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Differential DNA methylation in bronchial biopsies between persistent asthma and asthma in remission

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Abstract

About 40% of asthmatics experience remission of asthma symptoms. A better understanding of biological pathways leading to asthma remission may provide insight into new therapeutic targets for asthma. As an important mechanism of gene regulation, investigation of DNA methylation provides a promising approach. Our objective was to identify differences in epigenome wide DNA methylation levels in bronchial biopsies between subjects with asthma remission and subjects with persistent asthma or healthy controls.

We analysed differential DNA methylation in bronchial biopsies from 26 subjects with persistent asthma, 39 remission subjects and 70 healthy controls, using the limma package. The *comb-p* tool was used to identify differentially methylated regions. DNA methylation of CpG-sites was associated to expression of nearby genes from the same biopsies to understand function.

Four CpG-sites and 42 regions were differentially methylated between persistent asthma and remission. DNA methylation at two sites was correlated *in cis* with gene expression at *ACKR2* and *DGKQ*, respectively. Between remission subjects and healthy controls 1163 CpG-sites and 328 regions were differentially methylated. DNA methylation was associated with expression of a set of genes expressed in ciliated epithelium.

CpGs differentially methylated between remission and persistent asthma identify genetic loci associated with resolution of inflammation and airway responsiveness. Despite the absence of symptoms, remission subjects have a DNA methylation profile that is distinct from that of healthy controls, partly due to changes in cellular composition, with a higher gene expression signal related to ciliated epithelium in remission versus healthy controls.

Background

Asthma is a chronic inflammatory disease of the airways, characterized by variable airflow obstruction associated with symptoms of wheezing, shortness of breath, chest tightness and coughing. Chronic inflammation in asthma is associated with remodeling of the airways, e.g. increased basal membrane thickness, airway epithelial shedding, increase of goblet cells, increased mucus production and increase of smooth muscle mass [1]. Interestingly, in some asthma patients, symptoms disappear over time, and the need for pulmonary medication ceases. The prevalence of asthma is highest between 10 and 25 years and gradually decreases at higher age, the latter indicating that asthma remission rates have become higher than incidence rates [2]. In adulthood, the average remission rate of asthma is approximately 2% per year, with a higher chance to go into remission with an earlier onset of asthma, less severe airway obstruction, and cessation of smoking [3, 4]. A subset of patients with asthma in remission still have airway obstruction and/or show airway hyperresponsiveness (AHR) in provocation tests [5]. Vonk *et al.* [6] therefore introduced the terms 'clinical remission' and 'complete remission'. Clinical remission is defined as the absence of asthma symptoms and no use of asthma medication. Complete remission of asthma is defined as the absence of asthma symptoms, no use of asthma medication, normal lung function and no AHR.

We still have minimal understanding of the cellular and molecular mechanisms that determine whether or not asthma persists or undergoes apparent spontaneous resolution. As for asthma development, genetic and environmental factors are likely to be involved in asthma remission as well [7]. The effect of both genetic and environmental variation on health outcome is often mediated by differences in gene transcription [8]. The methylation of cytosine at CpG-sites is an important epigenetic modification that regulates transcription by affecting several

mechanisms [9]. Variation in DNA methylation at CpG-sites has been associated with asthma and other atopic diseases [10–15]. This warrants further investigation of this type of epigenetic variation.

In order to identify molecular mechanisms related to asthma remission in the airways, we investigated whether variation in DNA methylation in bronchial biopsies is associated with remission of asthma. Our main aim was to detect CpG-sites that are differentially methylated between well characterized subjects in complete and clinical remission and subjects with persistent asthma or healthy controls. In addition, we investigated how differentially methylated CpG-sites associate with the expression levels of nearby genes in these bronchial biopsies, and related these to candidate molecular and cellular pathways. This furthers our ultimate aim to identify cellular mechanisms related to asthma remission in the airways.

Methods

Subjects

From previous studies [16, 17] biopsies were available from clinically well characterized subjects with clinical remission (ClinR, *n* = 33), complete remission (ComR, *n* = 15), persistent asthma (PersA, *n* = 90). Biopsies from healthy controls (H, *n* = 94) were available from another study. The study design and methods have been published previously [16, 17]. The subjects with ClinR and ComR had a documented diagnosis of asthma, confirmed by AHR testing [6, 17]. Asthma was defined as documented reversibility and/or AHR to histamine (PC_{20} =< 32 mg/mL). Subjects were considered to be ClinR if they had not had an asthma attack or wheeze in the last 3 years, and did not use asthma medication (ß-agonists and ICS). Asthma patients were considered to be ComR if they, in addition to the previous criteria,

did not have AHR to both histamine and AMP (> 32 mg/mL in 30 s tidal breathing and > 320 mg/mL in 2 min tidal breathing respectively) and had no signs of airflow obstruction (FEV_1 %predicted > 80% pre bronchodilator or >90% post bronchodilator). The subjects with PersA were divided on the basis of use of inhaled corticosteroids (ICS), since corticosteroids are known to affect gene expression and may act as a confounder on DNA methylation as well [18]. The non-asthmatic healthy controls were recruited from the NORM study (clinical trials number NCT00848406) and were all current smokers and never smokers older than 18 years. Subjects were considered healthy if they had no respiratory symptoms, no history of respiratory disease and normal pulmonary function defined as a post bronchodilator FEV_1/FVC higher than the lower limit of normal, absence of AHR to methacholine (PC_{20} > 16mg/mL) and absence of FEV_1 reversibility (increase FEV1 after 400 μg salbutamol < 10% of the predicted FEV_1 value). Healthy subjects were excluded if they had used inhaled or oral corticosteroids within the last 5 years, or during a total of 5 years of their lives. Biopsies from healthy subjects were collected between 2009-2012 and biopsies from all other subjects between 2005-2007. All subjects were included in the same center (UMCG) and bronchoscopies and processing of samples were performed by the same team. For RNA and DNA extraction and further processing, an even distribution of case-control status, age, gender and smoking status among batches was carefully controlled during all steps in the experimental design. Details on the DNA/RNA extraction, sample preparation and QC are provided in the supplementary methods. The study protocol was approved by the local medical ethics committee. All subjects gave their written informed consent.

DNA methylation

DNA methylation levels were measured in bronchial biopsies using the Infinium HumanMethylation450 BeadChip array (450k array) (Illumina, San Diego, CA). Raw intensity data were processed using the minfi package [19]. Samples and probes failing QC were removed and raw beta values normalised using the dasen method as implemented in the wateRmelon package [20]. DNA methylation levels at each CpG-site were expressed as beta-values, ranging from zero (no methylation) to one (complete methylation). A detailed description can be found in the supplementary methods. An overview of the sample dropout during QC is shown in Supplementary Figure 1a.

RNA sequencing

RNA samples from airway wall biopsies were processed using the TruSeq Stranded Total RNA Sample Preparation Kit (Illumina, San Diego, CA). The cDNA fragment libraries were loaded unto an Illumina HiSeq2500 sequencer for paired-end sequencing (2 × 100 bp). Trimmed fastQ files where aligned to build b37 of the human reference genome using HISAT (version 0.1.5) and gene level quantification was performed by HTSeq (version 0.6.1p1) using Ensembl version 75 as gene annotation database [21]. A detailed description can be found in the supplementary methods. An overview of the sample dropout during QC is shown in Supplementary Figure 1b.

Differential methylation analysis

Differential methylation between subject groups was assessed for each probe using robust linear modelling in the limma package [22, 23]. To remove heteroscedasticity, beta-values were logit-transformed to M-values [24]. M-values were used as the dependent variable in all

analyses. Age, gender and current smoking status were corrected for. In addition, the principal components explaining 95% of the variation in the control probes were used as covariates to correct for technical variation [25]. We also analysed a model that included ex-smoker status in addition to current smoking, and found consistent results with the majority of DMRs remaining above the significance threshold. In remission vs asthma, of the 46 CpGs plus DMRs, 42 (91%) remained significant. In remission vs. healthy from the 1491 CpGs plus DMRs, 1223 remained significant (82%), but as this did not appreciably affect the results, these data will not be presented. We analyzed five subject categories; persistent asthma using ICS (PersA_ICS), persistent asthma not using ICS (PersA_no_ICS), ClinR, ComR and H. We pooled ClinR and ComR to increase sample size. We specified two contrasts: [ComR + ClinR] *vs.* PersA_no_ICS and [ComR + ClinR] *vs.* H. We refer to those contrasts as "remission *vs.* asthma" and "remission *vs.* healthy" respectively. To avoid the confounding of ICS use, we focused on the group of asthmatics without ICS. We applied correction for multiple testing by controlling the false discovery rate at 5% using the Benjamini-Hochberg method [26]. The most significant hits of individual CpG-sites were annotated to the nearest gene using information from the IlluminaHumanMethylation450kanno.ilmn12.hg19 annotation package, or when no annotation was provided we searched the UCSC genome browser [27, 28].

Differentially Methylated Regions (DMRs)

Regions of correlated CpG-sites with differential methylation were identified using the comb-p v0.48 command line tool and python library [29]. We used the pipeline with seed setting P = 0.05 and distance 750 bp. The region filter settings were n = 2 and a Sidak-corrected P = 0.05.

Association between DNA methylation and gene expression (eQTM mapping)

We used the MatrixEQTL package to determine whether DNA methylation levels at CpG-sites were associated with gene expression levels of nearby genes within 1 Mb of the CpG-site [30]. Raw read counts from RNA sequencing were normalized for library size using the weighted trimmed mean of M-values (TMM) method as implemented in the edgeR package [31]. The normalised counts were transformed to log2(Counts Per Million). We used methylation M-values as the explanatory variable and age, gender and current smoking status were set as covariables.

Cell type composition

Surrogate variable analysis (sva) provides estimates of latent variables, which is recommended as substitute for cell type deconvolution [32]. A detailed description can be found in the supplementary methods. We performed this analysis for all FDR-significant differentially methylated CpGs from remission *vs*. asthma and the ten most differentially methylated CpGs from remission *vs*. healthy.

We also took a targeted approach to the analysis of cell type composition, by extending the method proposed by Xu *et al.* [13]. For the same set of CpG-sites as used in the surrogate variable analysis, we performed genome wide mapping of DNA methylation to gene expression. For each CpG-site, the resulting set of test statistics was used as input for mean-rank gene set enrichment analysis as implemented in limma [33]. We tested enrichment of 20 gene sets expressed by the cell type clusters taken from single cell sequencing results of airway wall biopsies as reported in Vieira Braga *et al*. [34].

Results

Patient characteristics

We obtained DNA methylation data for 179 samples, after excluding 53 samples that were lost during processing or excluded during the QC procedure (Supplementary Figure 1). Of the included samples, 12 subjects had ComR, 27 subjects ClinR, 70 subjects PersA and 70 subjects were H. Of the PersA subjects, 26 were not using ICS. The patient characteristics of the 5 subject groups are presented in Table 1.

Differential methylation in remission *vs.* persistent asthma

Methylation levels at four individual CpG-sites and 42 regions were significantly different in remission *vs.* asthma (Table 2A, 3A). The most significant site was cg08364654, which showed 6% lower methylation in remission subjects than in asthmatics (Figure 1A). This CpG is also part of the most significant DMR on chromosome 3 (Table 3A). All CpGs in the DMR are located in the *KRBOX1* gene, but we did not find these CpGs to be associated with *KRBOX1* expression. Instead, a higher methylation was associated (most significantly at cg22714811 at $P = 7.9 \cdot 10^{-4}$) with increased expression of the atypical chemokine receptor 2 (*ACKR2*) gene (Figure 2A; Figure 3). The second CpG-site (cg23805470) also had 2% lower methylation in subjects in remission compared to persistent asthmatics. Methylation of cg23805470 was not significantly associated with expression of the gene it resides in (*tenascin XB, TNXB*) or any other nearby gene. The third site cg13525448 lies in an exon of *ladybird homeobox 1* (*LBX1*), but was not associated with gene expression in *cis*. It had 2% higher methylation in remission than in persistent asthma (Figure 1C). The fourth CpG-site (cg00741675) had 11% lower methylation in remission and is located in the 5'UTR of the diacylglycerol kinase, theta 110kDa (*DGKQ*) gene. It did not associate with gene expression

at the $P = 0.001$ cut-off, but is positively associated with gene expression of *DGKQ* at $P < 0.004$ (Figure 2B). The second significant DMR is located at chromosome 19 and associated with expression of *RPL13A*. The encoded product is a component of the IFN-gamma-activated inhibitor of translation (GAIT) complex, which plays a role in the repression of inflammatory genes and contributes to the resolution of chronic inflammation [35]. Among the four significant individual CpG-sites from the contrast remission *versus* asthma (Table 2A), all remained significantly differentially methylated (at $P < 0.001$) after correction for the first five surrogate variables, indicating that the differences in methylation were not driven by cell type composition (Table 2A, Supplementary Figure 2A). Significance of cg00741675 dropped sharply, but for all four CpGs log fold changes remained similar after adjustment.

Differential methylation in remission *vs.* healthy

We found 1163 individual CpG-sites and 328 regions to be differentially methylated between remission subjects and healthy controls, with one-third of the individual sites and 20% of the DMRs being higher methylated in remission (Table 2B and 3B show the top10, complete list in Supplementary Table 1B and 2B). Of the 1163 significant CpG-sites, 167 were located in a DMR. Correction for surrogate variables resulted in similar log fold changes but did appreciably affect the significance of the ten most significant CpG-sites, suggesting an impact of cell type composition in the contrast remission versus healthy (Supplementary Figure 2). To further investigate effects of cell type composition we identified cell type specific gene expression profiles by associating methylation levels of the ten most significant CpG-sites to genome-wide gene expression levels. Then we compared associated genes to gene sets characteristic for 20 major clusters of cells found in bronchial biopsies based on single cell sequencing data [34]. All ten tested CpG-sites from the contrast remission *vs.* healthy showed

strong enrichment for association with genes belonging to multiple sets of cell types (Supplementary Table 3). Highest enriched groups throughout were ciliated epithelial cells and basal cells. Several CpGs were most significantly enriched for other groups though: smooth muscle cells (cg06947286 and cg10986462), fibroblasts (cg23916878), neutrophils (cg18763536) and T-cells (cg08307963) (Figure 4a). Nine out of ten tested CpG-sites from the contrast remission *vs.* healthy showed strong enrichment ($P << 0.001$) for highly ranking genes from ciliated epithelium (Figure 4). We tested whether the enrichment was due to the underlying correlation structure of our data set, but this did not fully account for our findings. For comparison, only 49% of a randomly selected sample of CpG-sites has enrichment for this gene set at this significance level. In addition, five of ten tested CpG-sites belong to the top 1% enrichment as judged by comparison to *P*-values in the randomly selected sample. Figure 4B shows the ranking of correlated genes of a representative CpG-site from this set (cg07224931). Nearly all genes in the set related to ciliated epithelium have higher gene expression in remission versus healthy controls (99 %).

Discussion

We found four individual CpG-sites and 42 regions to be differentially methylated between subjects in remission and persistent asthmatics. Of the individual CpGs two associated with gene expression of *ACKR2* and *DGKQ*, respectively. These four CpGs were not strongly related to cell type composition of the airway wall biopsy. There were 1163 CpG-sites and 328 regions differentially methylated between remission subjects and healthy controls. Many of the highly significant CpG-sites that distinguish remission subjects from healthy controls were associated with increases in the expression of genes associated with ciliated epithelial cells, consistent with cell type composition differences in remission *versus* healthy. We found

differences in absolute methylation between groups between 2% and 11%. It should be noted that even modest differences can be relevant when they reflect changes within a specific cell type.

The most significant CpG site, as well as DMR, with lower methylation in the contrast remission *vs.* asthma was associated with lower expression of *ACKR2* in subjects with remission. This gene contributes to resolution of inflammation by post-inflammatory clearance of chemokines in a mouse model [36]. Allergen-challenged mice that are deficient for *ACKR2* have more infiltrating cells in the airways, primarily dendritic cells and eosinophils. Interestingly, these *ACKR2*-deficient mice have less airway reactivity to methacholine [37]. We suggest that lower expression of *ACKR2* may play a role in the remission of asthma, by reducing AHR. Of interest, the lower methylation and *ACKR2* gene expression was paralleled by decreased airway reactivity in the *ACKR2* deficient mice, but not by reduced inflammation as would be expected. The CpG-site in *TNXB* could not be related to expression of this gene, but tenascin genes are known to be important in airway remodeling [1]. Multiple CpG-sites in *TNXB* were less methylated in primary airway epithelium cells (AEC) after exposure to IL13, a type 2 cytokine and key mediator of airway inflammation and remodeling in asthma [15]. *TNXB* resides in the HLA class II region, which is important for immune function [38], but we were unable to link differential methylation at cg23805470 to expression of HLA genes. CpG-site cg00741675 in *DGKQ* has lower methylation in remission subjects when compared to persistent asthmatics. *DGKQ* encodes a member of the family of diacylglycerol kinases (DGKs) that attenuate levels of the second messenger diacylglycerol in cells by converting it to phosphatidic acid [39]. The precise mechanism by which it may be involved in the remission of asthma is not clear, but members of the DGK

family are expressed in immune cells, and thus may be required for proper cellular signaling in inflammatory processes [40].

Subjects in remission have a methylation profile that is distinct from that of persistent asthmatics, which may reflect differential regulation of immune functions. However, their methylation profile does not resemble the healthy situation either. Individuals with complete asthma remission retain characteristics that differ from healthy subjects without a history of asthma, for example, persistent airway remodeling as shown by increased basal membrane thickness [17]. Analogous to this situation, we find methylation differences between remission and healthy that do not occur between remission and asthma. We found 21 out of 42 DMRs and 3 out of 4 differentially methylated CpGs in remission vs. asthma to overlap DMRs found in asthma *vs.* healthy. For remission *vs.* healthy this concerned 126 out of 327 DMRs and 310 out of 1163 differentially methylated CpGs. This clearly shows that differential methylation in both the remission *vs.* asthma and the remission *vs.* healthy contrasts capture aspects of methylation differences between persistent asthmatics and healthy subjects, consistent with the intermediate position of remission subjects. A possible explanation is that subjects in asthma remission still display a epigenetic fingerprint of asthma. A similar lingering difference in methylation profiles was reported for ex-smokers [41]. Alternatively this may reflect an inherent predisposition to developing asthma, which puts remission subjects at an increased risk for relapse.

A strength of our design is the use of bronchial biopsies, which enabled us to study epigenetic profiles in the relevant tissue. Also, we included healthy subjects and well characterized subjects in clinical and complete remission. All remission subjects had previous objective

confirmation of their asthma diagnosis with detailed follow up. Finally, we added functional information to differentially methylated CpG-sites by their association with the expression levels of nearby genes, using the same biopsy as used for determination of methylation levels. One limitation is the absence of an independent replication cohort in which bronchial biopsies are available for remission subjects and healthy controls. To the best of our knowledge, no comparable replication cohort with a similar design is available. Another issue is that differential methylation among subject groups was partly driven by differences in cell type composition, which hampers identification of specific asthma or remission related CpG-sites. By annotating the associated CpGs with gene expression, we show that subjects in remission differ from healthy controls in methylation levels at CpG-sites associated with multiple cell types, and that there is strong enrichment of CpGs in genes associated with ciliated epithelium. A possible interpretation is that changes in the cell type composition, in particular the proportion of ciliated epithelium in remission subjects explains part of the differential methylation between remission subjects and healthy controls. This is supported by the inflation of the *P*-values in this particular contrast. The prominent signal from epithelium may reflect the abundance of this cell type in biopsies, and the importance of other cell types in asthma and remission should not be neglected, but it emphasises that the airways of subjects in remission still have not come to resemble the healthy profile.

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Author's contributions

CJV performed differential methylation analysis and drafted and finalized the manuscript, C-JX and JMV were involved in data management, data analysis and editing the manuscript, NHTtH, WT, IHH, MCN, AJvO, KA and GHK provided guidance and technical knowledge and edited the manuscript, JB performed eQTM analysis, MW contributed expression and methylation data, MvdB, NHTtH, WT and JMV were involved in the design of the study and MvdB drafted parts of the manuscript. All authors approved the final manuscript.

Competing interests

KA and AJvO are employees of GlaxoSmithKline.

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Additional Files

Supplementary Tables 1-3

Supplementary Figures 1-5

Supplementary Material and Methods

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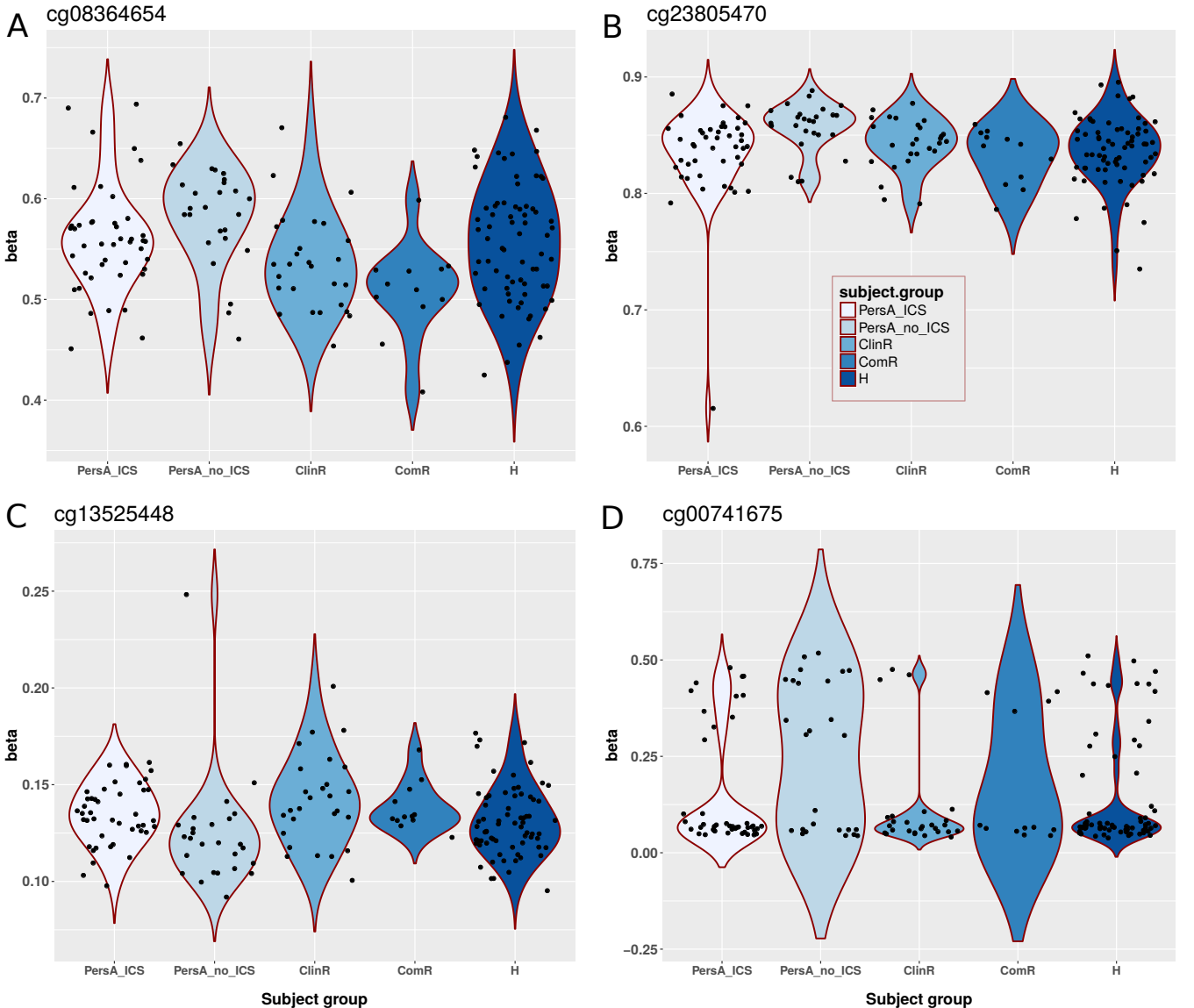
Figure Legends

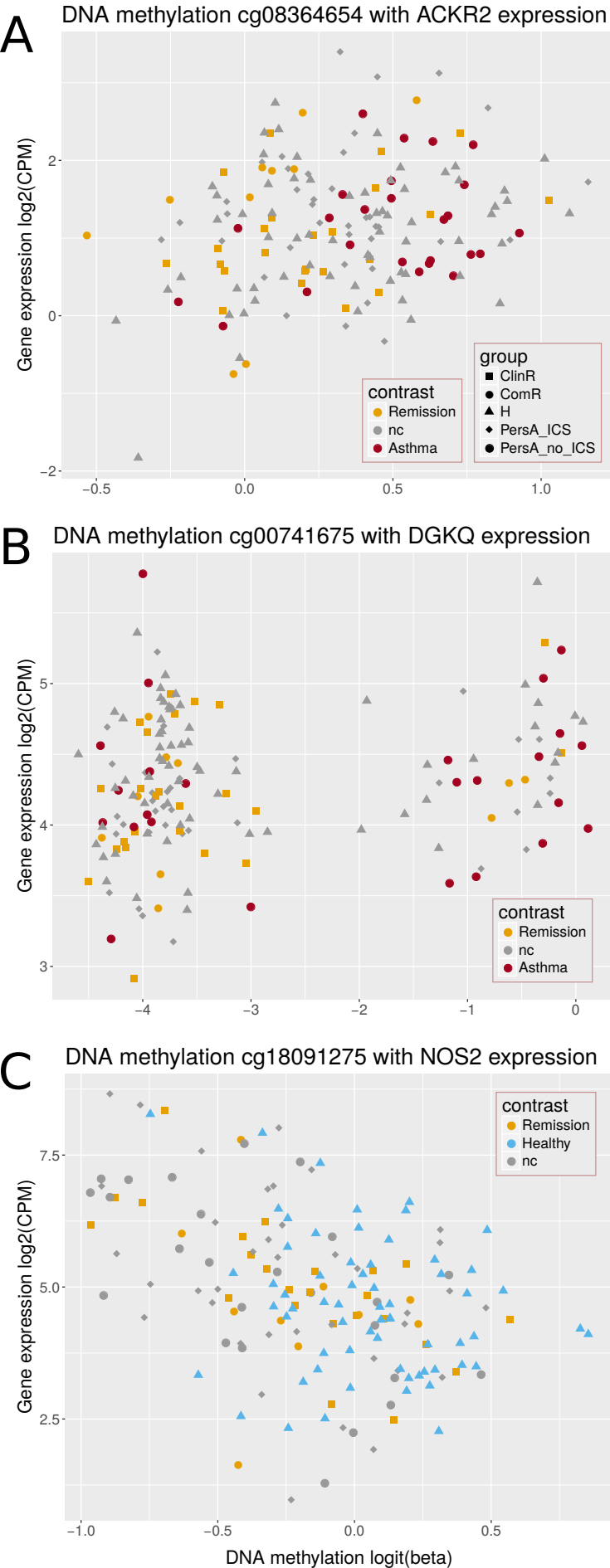
Figure 1: Violin plots of highly differentially methylated CpG-sites in the "asthma *vs.* remission" contrast. (A) cg08364654 in the *KRBOX1* gene (B) cg23805470 in the *TNXB* gene (C) cg13525448 and (D) cg00741675 in the *DGKQ* gene. Subject groups: PersA_ICS Persistent asthma with ICS use PersA_no_ICS Persistent asthma without ICS use, ClinR Clinical Remission, ComR Complete Remission, H Healthy Controls.

Figure 2: Correlation of DNA methylation at differentially methylated CpG-sites with gene expression of nearby genes. The groups used in the contrasts (either "remission *vs.* asthma" or "remission *vs.* healthy") are marked with non-gray colors; remission in yellow, asthma in red, healthy in blue. Subject groups (PersA_ICS Persistent asthma with ICS use PersA_no_ICS Persistent asthma without ICS use, ClinR Clinical Remission, ComR Complete Remission, H Healthy Controls) are indicated with different symbols.

Figure 3: CoMET plot of the genomic region of cg08364654. The top plot shows the strength of correlation with expression of the *ACKR2* gene for all the CpG-sites in the interval. The plot below shows the strength of association in the remission *versus* asthma contrast. Red symbols indicates positive and blue symbols negative associations. The default coMET annotation tracks were plotted: ENSEMBL genes, CpG islands, chromatin-state (Broad institute), DNAse sensitive regions and SNPs. See coMET documentation for detailed description. The bottom plot shows a correlation matrix of DNA methylation among all plotted CpG-sites.

Figure 4: Effect of cell type composition on average methylation levels. Effect of cell type composition was gauged by genome wide correlations with gene expression. A) Heatmap and hierarchical clustering of -log10(*P*-values) of mean-rank gene set tests on the test statistics of DNA methylation - gene expression correlations . The CpG-sites are the four most significant sites from the contrast remission *versus* asthma (R *vs* A) and the ten most significant hits from the contrast remission *versus* healthy (R *vs* H). The gene sets distinguish the four main clusters of epithelial cell types in single cell sequencing. See the MS for details. B) Ranks of test statistic for a selected CpG-site (cg07224931) demonstrates the enrichment of highly ranking genes of the ciliated epithelium.


A
cg08364654
beta
0.7
0.6
0.5
0.4
PersA_ICS
PersA_no_ICS
ClinR
ComR
H
B
cg23805470
beta
0.9
0.8
0.7
0.6
subject.group
PersA_ICS
PersA_no_ICS
ClinR
ComR
H
C
cg13525448
beta
0.25
0.20
0.15
0.10
Subject group
D
cg00741675
beta
0.75
0.50
0.25
0.00
−0.25
Subject group


A
DNA methylation cg08364654 with ACKR2 expression
Gene expression log2(CPM)
2
0
−2
−0.5
0.0
0.5
1.0
contrast
Remission
nc
Asthma
group
ClinR
ComR
H
PersA_ICS
PersA_no_ICS
B
DNA methylation cg00741675 with DGKQ expression
Gene expression log2(CPM)
5
4
3
−4
−3
−2
−1
0
contrast
Remission
nc
Asthma
C
DNA methylation cg18091275 with NOS2 expression
Gene expression log2(CPM)
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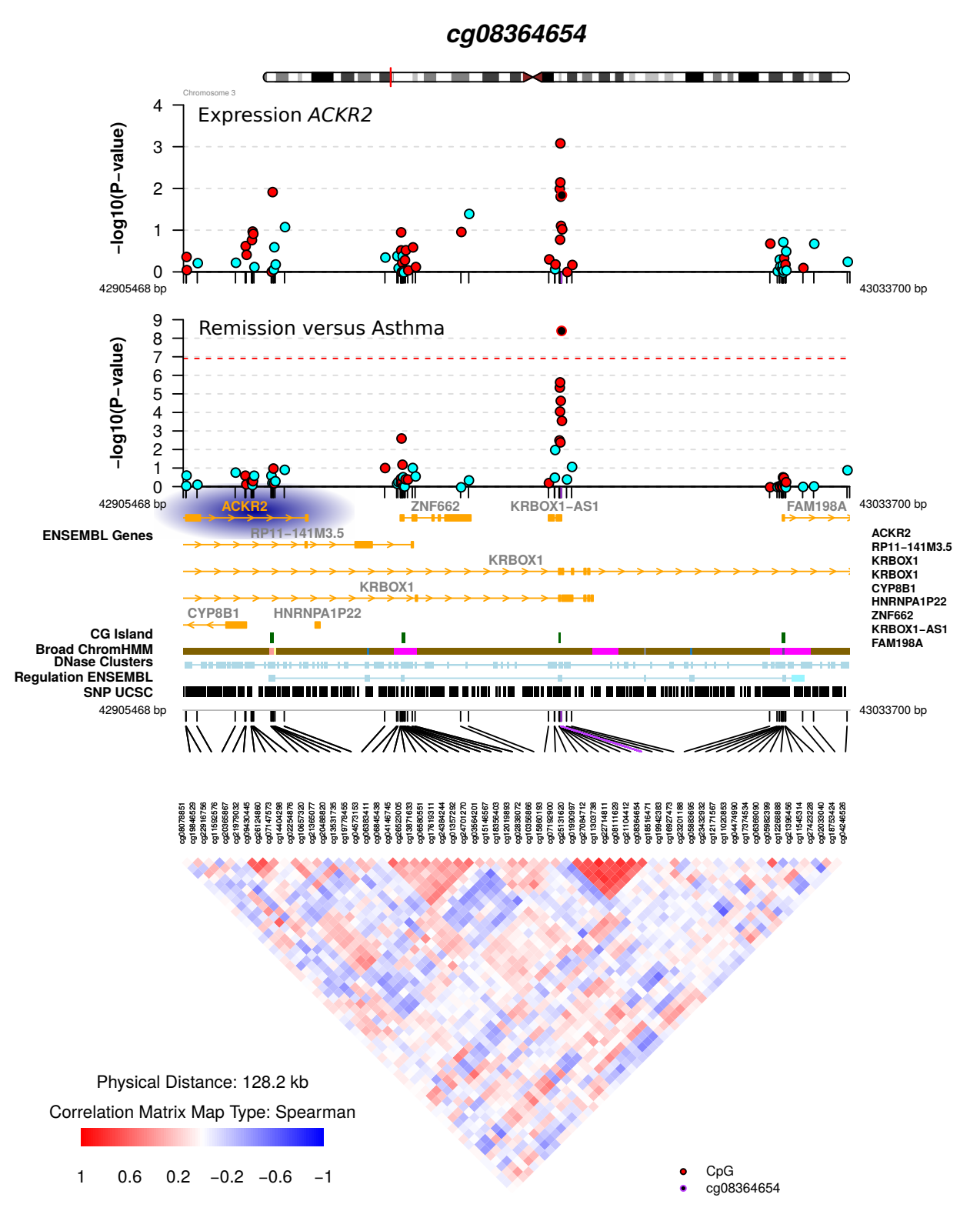
2.5
−1.0
−0.5
0.0
0.5
DNA methylation logit(beta)
contrast
Remission
Healthy
nc


cg08364654
Chromosome 3
Expression ACKR2
−log10(P−value)
42905468 bp
43033700 bp
Remission versus Asthma
ACKR2
ZNF662
KRBOX1−AS1
FAM198A
ENSEMBL Genes
RP11−141M3.5
KRBOX1
KRBOX1
CYP8B1
HNRNPA1P22
CG Island
Broad ChromHMM
DNase Clusters
Regulation ENSEMBL
SNP UCSC
ACKR2
RP11−141M3.5
KRBOX1
KRBOX1
CYP8B1
HNRNPA1P22
ZNF662
KRBOX1−AS1
FAM198A
Physical Distance: 128.2 kb
Correlation Matrix Map Type: Spearman
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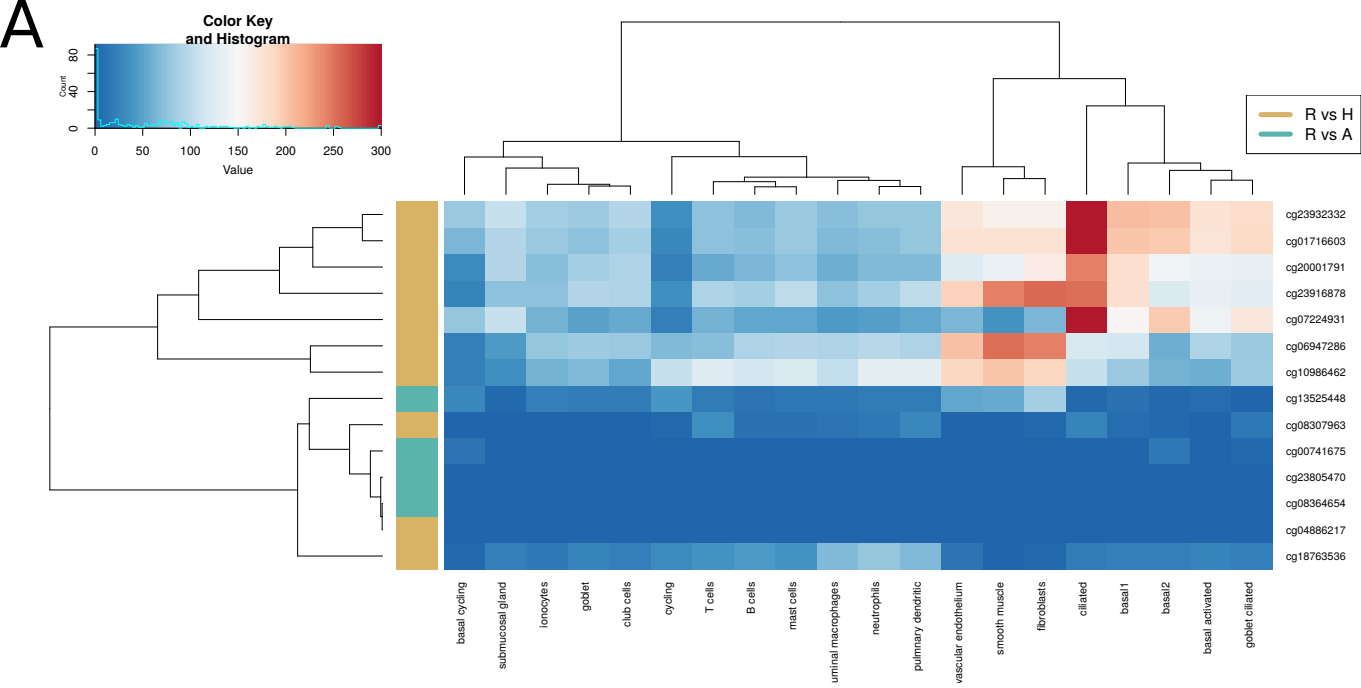
CpG
cg08364654


A
Color Key
and Histogram
Count
Value
R vs H
R vs A
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cg20001791
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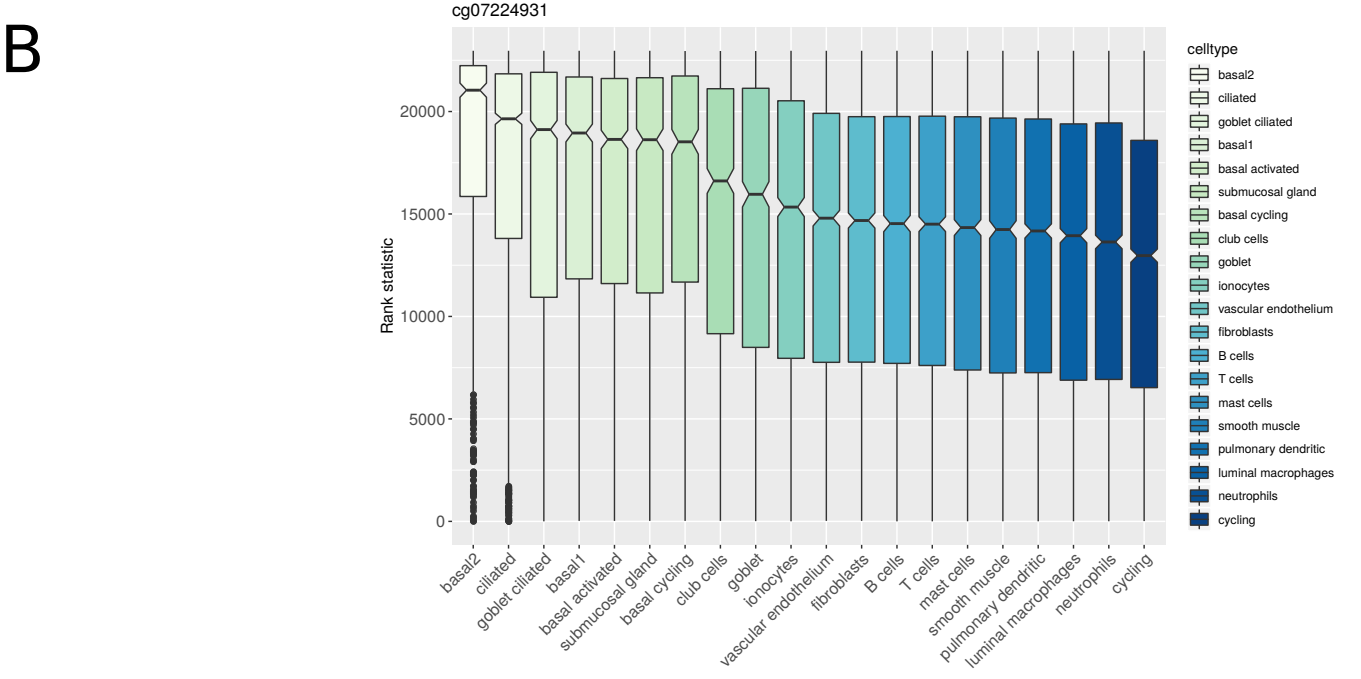
cg07224931
cg06947286
cg10986462
cg13525448
cg08307963
cg00741675
cg23805470
cg08364654
cg04886217
cg18763536
basal cycling
submucosal gland
ionocytes
goblet
club cells
cycling
T cells
B cells
mast cells
uminal macrophages
neutrophils
pulmnary dendritic
vascular endothelium
smooth muscle
fibroblasts
ciliated
basal1
basal2
basal activated
goblet ciliated


B
cg07224931
Rank statistic
celltype
basal2
ciliated
goblet ciliated
basal1
basal activated
submucosal gland
basal cycling
club cells
goblet
ionocytes
vascular endothelium
fibroblasts
B cells
T cells
mast cells
smooth muscle
pulmonary dendritic
luminal macrophages
neutrophils
cycling

Tables

Table 1: Patient characteristics.

Characteristic	PersA_ICS	PersA_no_ICS	ClinR	ComR	H	H_0: No differences between groups. test-statistic; df; *P*-value
N	44	26	27	12	70	X^2 = 55.2; df=4; P<<0.01
PC_{20}AMP (mg/mL) median [min,max]	64.9 [0.02,4871.5]	47.4 [0.02,3811.4]	700.2 [0.02,5090.7]	639.0 [414.8,5635.8]	2674.9 [40,5612.4]	$F_{4,174}$ = 10.9; P(emp) = 0.001
FEV1 (%pred) mean [s.e.m.]	83.1 [3.02]	83.3 [2.39]	90.8 [2.70]	101.8 [4.05]	101.0 [1.34]	$F_{4,174}$ = 14.0, P<<0.001
ICS dose (ug/day) median[min,max]	800 [28,2000]	NA	NA	NA	NA	NA
Beta-agonist use (n(%))	40 (91)	14 (54)	0 (0)	0 (0)	0 (0)	X^2 = 131.1; df=4; P<<0.01
Sex (m/f)	20/24	15/11	12/15	6/6	40/30	X^2= 2.47, df = 4, P = 0.650
Age (years) mean [s.e.m.]	48.8 [1.85]	46.3 [2.44]	47.5 [2.33]	45.3 [4.78]	39.5 [2.03]	$F_{4,174}$ = 3.37; P = 0.011
FEV1/FVC (%) mean [s.e.m.]	69.6 [1.68]	70.1 [1.58]	75.6 [1.55]	78.2 [2.37]	79.7 [0.76]	$F_{4,174}$ = 12.2; P << 0.001
Reversibility FEV1 (%) mean [s.e.m.]	8.64 [0.97]	9.20 [1.24]	6.57 [0.85]	4.38 [1.30]	3.46 [0.34]	$F_{4,173}$ = 11.4, P << 0.001
Atopy (skin prick) (n(%))	NA	NA	NA	NA	25 (36)	NA
Atopy (phadiatop) (n(%))	31 (70)	19 (73)	15 (56)	8 (67)	NA	X^2 = 3.95, df = 3, P = 0.267
Smoking status (Ncurrent,Nex,Nnever)	(6,21,17)	(10,3,13)	(4,11,12)	(4,1,7)	(33,3,34)	X^2 = 43.8; df = 8; P << 0.001
Blood eosinophils (*10^9/L) median [min,max]	0.195 [0.05,0.78]	0.260 [0.00,0.90]	0.170 [0.00,0.62]	0.115 [0.00,0.28]	0.155 [0.02,0.43]	$F_{4,174}$ = 3.373; P = 0.011

PersA persistent asthma, ClinR clinical remission, ComR complete remission, H healthy. Frequency data were analysed with chi-squared tests of independence. Differences in continuous variables were tested with oneway ANOVA. Variables were transformed, if necessary, to satisfy the assumption of normality. For FEV1 and FEV1/FVC ANOVA was performed on z-values (GLI2012_DataConversion software). When PC_{20}AMP was not reached at the highest dose, values were obtained by extrapolating from an exponential decay dose response curve. No appropriate transformation for PC_{20}AMP was found, and these data were analysed by oneway ANOVA based on a permutated distribution of F with 1000 permutations [42]

Table 2: Table 2: Toptables of differentially methylated CpGs

(2A)

Probe ID	Genomic position	UCSC RefGene Name	UCSC RefGene Group	Correlated expression	logFC	Moderated t value	*P* value	Adjusted *P* value	Sva corrected *P* value
cg08364654	chr3:42,978,180	-	-	-	0.83	6.23	3.5e-9	0.0015	6.5e-08
cg23805470	chr6:32,056,820	TNXB	Body	-	0.60	6.07	7.9e-9	0.0017	1.1e-07
cg13525448	chr10:102,986,601	-	-	-	-0.48	-5.26	4.4e-7	0.0466	3.2e-07
cg00741675	chr4:967,327	DGKQ	5'UTR; 1stExon	-	2.96	5.28	3.8e-7	0.0466	4.5e-04

(2B)

Probe ID	Genomic position	UCSC RefGene Name	UCSC RefGene Group	Correlated expression	logFC	Moderated t value	*P* value	Adjusted *P* value	Sva corrected P value
cg04886217	chr16:31,821,538	-	-	-	0.63	6.56	6.1e-10	0.0003	2.8e-08
cg06947286	chr5:131,596,602	PDLIM4	Body	PDLIM4; P4HA2; UQCRQ; HSPA4; KIF3A; ACSL6; ZCCHC10	-0.60	-6.20	4.2e-9	0.0006	6.8e-05
cg01716603	chr17:37,029,974	LASP1	Body	SRCIN1; PLXDC1; ARHGAP23; HNF1B; LINC00672; PIP4K2B; MLLT6; NEUROD2; STARD3; PCGF2; ENSG00000214546; CACNB1	-0.83	-6.19	4.3e-9	0.0006	1.7e-05

cg23932332	chr1:221,911,278	DUSP10	TSS1500; Body; 5'UTR	ENSG00000225265; FAM177B; MARC2; DUSP10	-0.87	-6.01	1.1e-8	0.0011	0.0062
cg18763536	chr12:11,812,062	ETV6	Body	MANSC1; CREBL2; ETV6	-0.44	-5.97	1.4e-8	0.0011	1.8e-05
cg23916878	chr6:44,011,187			DLK2; LRRC73; RSPH9; DNPH1; TCTE1; SPATS1; PTK7; ENSG00000272442	-0.68	-5.94	1.6e-8	0.0011	2.9e-05
cg20001791	chr6:16,239,799	GMPR	Body	GMPR; STMND1	-0.66	-5.88	2.1e-8	0.0013	4.2e-07
cg08307963	chr1:147,245,485	GJA5	TSS200	BCL9	0.54	5.78	3.4e-8	0.0017	2.0e-07
cg10986462	chr10:135,340,539	CYP2E1	TSS1500	FUOM	-1.12	-5.77	3.6e-8	0.0017	1.2e-05
cg07224931	chr12:121,130,567	MLEC	Body	DYNLL1-AS1; CIT; MORN3; UNC119B; PXN; DYNLL1	-0.53	-5.73	4.5e-8	0.0017	7.1e-05

Toptables of the contrasts (A) “remission versus asthma” and (B) “remission versus healthy”. The tables show the Probe ID, with its genomic position (hg19), the name of any nearby genes and its position relative to that gene, proximate genes with associated expression, the log2 fold change of the beta values, the moderated t-value and its associated probability of the null-hypothesis of no difference between the groups, as well as the adjusted P-value by Benjamini-Hochberg correction controlling the FDR at 5%. The rightmost column lists the P values of the analysis where surrogate variables were added as covariates (see text). Positive logFC indicate higher methylation in asthmatics than remission subjects in 2A and higher methylation in remission subjects than healthy controls in 2B.

Table 3: Toptables of differentially methylated regions

(3A)

Genomic position	n_probes	z_sidak_p	t.sum	refGene_name	refGene_feature	Associated expression
3:42977776-42978248	8	9.6e-20	34.0	KRBOX1-AS1;KRBOX1	nc_exon;TSS+intron+exon+utr5	ACKR2
19:50666237-50666552	6	2.4e-11	22.5	IZUMO2	TSS+utr5+cds	RPL13A
11:124746753-124747263	6	7.7e-08	18.7	ROBO3	intron+cds	ROBO3
17:1094028-1094555	7	8.6e-08	-20.7	ABR	intron	-
8:1049166-1049477	5	5.8e-06	-15.4	DLGAP2	nc_intron;intron	-
15:45671000-45671347	10	3.1e-05	24.1	GATM	intron+utr5	GATM;DUOX2;SPG11;B2M;SHF
3:142666107-142666476	4	1.3e-04	12.2	LOC100507389	intergenic	GK5
15:75251490-75251733	3	2.3e-04	10.2	RPP25	intergenic	CCDC33;ISLR
1:119532043-119532352	8	2.7e-04	19.0	TBX15	TSS+exon+utr5	-
11:1891931-1892307	10	3.3e-04	20.7	LSP1	TSS+intron+exon+utr5;intron+utr5;TSS+exon+utr5;intron	C11orf21;LSP1;TSPAN32;C11orf89

(3B)

Genomic position	n_probes	z_sidak_p	t.sum	refGene_name	refGene_feature	Associated expression
10:135340444-135341025	9	3.4e-12	-32.1	CYP2E1	TSS+utr5+cds	FUOM;TUBGCP2;ECHS1;SPRN
16:4714079-4714815	7	3.9e-10	-24.4	MGRN1	intron+cds;nc_intron+nc_exon	C16orf71;CORO7;SMIM22;GLYR1;CDIP1;C16orf89;ENSG00000266994;SEC14L5;GLIS2;TFAP4;ENSG00000262686
1:147245484-147245626	3	4.1e-10	14.8	NBPF19	intron	BCL9
11:69919474-69920054	5	1.8e-09	18.6	LINC02584	nc_intron	SHANK2;SHANK2-AS1;SHANK2-AS3;SHANK2-AS2;ENSG00000227726;CTTN
1:93805065-93814431	5	3.9e-09	-18.1	SPSB1	intron+utr5	ENSG00000234546;SPSB1;TMEM201;SLC45A1;H6PD;PIK3CD;CLSTN1;KIF1B;RBP7;SLC2A5
8:145018815-145019839	17	7.4e-09	-43.5	PLEC;MIR661;PLEC	intron;nc_gene;TSS+intron+utr5+cds	FAM83H-AS1;EEF1D;RHPN1-AS1;ENSG00000255224;MIR4664;TOP1MT;ARHGAP39;ZNF34;TONSL;ENSG00000254973;MAPK15;GPIHBP1;FAM83H;GPT;EXOSC4;TSTA3;C8orf31
13:114812176-114813015	6	9.5e-09	-20.1	RASA3	intron+utr5	TMCO3;CDC16;ADPRHL1;TMEM255B;RASA3;DCUN1D2;GAS6;PCID2;TFDP1

14:105932811-105933283	4	1.1e-08	-16.1	MTA1	intron+exon+utr3;intron+cds	C14orf79;ADSSL1;INF2;IGHV3-15;IGHV3-11;IGHV3-21;IGHV3-23;IGHM;IGHA1;KIAA0125;IGHV4-39;IGHJ3P;JAG2;IGHG2;IGHA2
12:132219327-132219529	2	1.9e-08	-10.6	SFSWAP	intron	POLE;STX2;GPR133;DDX51;ULK1;MMP17
14:94392717-94392932	4	2.4e-08	-16.4	FAM181A;FAM181A-AS1	intron;nc_exon;intron+utr5	PPP4R4;UNC79;ASB2;C14orf142;ENSG00000258987;FAM181A-AS1;PRIMA1;SERPINA6;MOAP1;SERPINA10;SERPINA1;FAM181A;IFI27L2

Toptables of the contrasts (A) “remission *versus* asthma” and (B) “remission *versus* healthy”. The tables show the genomic position (hg19), the number of probes in the DMR, the one-step Sidak corrected *P*-value, the summed *t*-value, the name of any nearby genes and CpG positions relative to that gene, and proximate genes with associated expression. Positive t.sum values indicate higher methylation in asthmatics than remission subjects (Table 3A) and higher methylation in remission subjects than healthy controls (Table 3B).

Supplementary Materials and Methods

DNA / RNA extraction

Bronchial biopsies were taken from segmental divisions of the main bronchi and immediately frozen in Tissue-Tek (VWR, Radnor, PA) at -80°C. After thawing at room temperature, biopsies were cut from the blocks when they were semi-solid. Samples were lysed in 600 µl RLT-plus using a IKA Ultra Turrax T10 Homogenizer. Total genomic DNA was extracted using AllPrep DNA/RNA/miRNA Universal Kit, according to the manufacturer's instructions (Qiagen, Venlo, the Netherlands). DNA samples were dissolved in 30 µl elution buffer. Concentrations of DNA were measured in 1 µl of fluid using a Nanodrop-1000 and in 2 µl of fluid run on a Labchip GX (Perkin Elmer, Waltham, MA).

DNA methylation: Sample preparation and Hybridization protocol

DNA samples were purified by a precipitation step, rinsed with ethanol (70%) and dissolved in elution buffer. Then, samples were treated with sodium bisulfite to convert unmethylated cytosine bases into uracil. This was followed by a PCR-free whole genome amplification, after which the treated DNA was hybridized to the Infinium HumanMethylation450 BeadChip array (450k array). After hybridization, allele-specific single-base extension incorporated a fluorescent label for detection of methylated and unmethylated sites. The conversion and hybridization protocol was performed according to the manufacturer's instructions (Illumina, San Diego, CA).

Every beadchip was run with a control sample of blood DNA from a single female, which was used to assess the efficiency of the normalization procedure by verifying that the among sample variance was minimized. We used a randomized block design, where samples were assigned to blocks based on subject group, smoking status and gender, and randomized within blocks.

DNA methylation: Quality control, sample filtering, probe filtering and normalization

Raw intensity values were read from IDAT-files, and converted to beta values using the minfi-package [1]. We identified bad quality samples using the R-package MethylAid, based on five diagnostic filter variables with the following thresholds; MU = 10.5, OP = 11.75, BS = 12.5, HC = 13.25, and DP = 0.95 [2]. Genotypes from 65 SNP probes on the 450k array were compared to previously acquired genotypes from blood samples and discordant samples were discarded as swapped or contaminated samples and excluded from the analysis.

We excluded probes where >1% of samples had intensities indistinguishable from background levels at $P = 0.05$, probes which were crossreactive [following 3], probes which have SNPs with MAF > 10% at the interrogation or extension site, and type I probes which displayed high intensity

signals [following 4]. In addition, we excluded all sex linked probes. The probe filtering procedure resulted in the removal of 48,059 unreliable probes (10 %). After probe-and sample-filtering, raw beta-values were background-corrected and normalized using the dasen method from the wateRmelon-package [5].

DNA methylation: Correction for cell type composition

We investigated how corrections for cell type composition affected the results for a subset of differentially methylated CpG sites. We estimated surrogate variables from our DNA methylation levels as implemented in the sva package and added those to our basic model as covariates [6]. This is a reasonable alternative to deconvolution using reference cell type profiles [7]. We reran the linear modelling analysis and monitored how this impacted the significance of the differential methylation in the contrasts.

RNA sequencing: Sample preparation and sequencing

RNA samples were further processed using the TruSeq Stranded Total RNA Sample Preparation Kit (Illumina, San Diego, CA), using an automated procedure in a Caliper Sciclone NGS Workstation (PerkinElmer, Waltham, MA). In this procedure, all cytoplasmic and mitochondria rRNA was removed (RiboZero Gold kit). The obtained cDNA fragment libraries were loaded in pools of multiple samples unto an Illumina HiSeq2500 sequencer using default parameters for paired-end sequencing (2 × 100 bp).

RNA sequencing: Gene expression quantification

The trimmed fastQ files where aligned to build b37 of the human reference genome using HISAT (version 0.1.5) allowing for 2 mismatches [8]. Before gene quantification SAMtools (version 1.2) was used to sort the aligned reads [9]. The gene level quantification was performed by HTSeq (version 0.6.1p1) using Ensembl version 75 as gene annotation database [10].

RNA sequencing: Quality Control

Quality control (QC) metrics were calculated for the raw sequencing data, using the FastQC tool (version 0.11.3) [11]. Alignments of 220 subjects were obtained. QC metrics were calculated for the aligned reads using Picard-tools (version 1.130) (URL http://picard.sourceforge.net) CollectRnaSeqMetrics, MarkDuplicates, CollectInsertSize-Metrics and SAMtools flagstat. We discarded 36 samples due to poor alignment metrics. In addition, we checked for concordance between sexlinked (XIST and Y-chromosomal genes) gene expression and reported sex. All samples were concordant. This resulted in high quality RNAseq data from 184 subjects.

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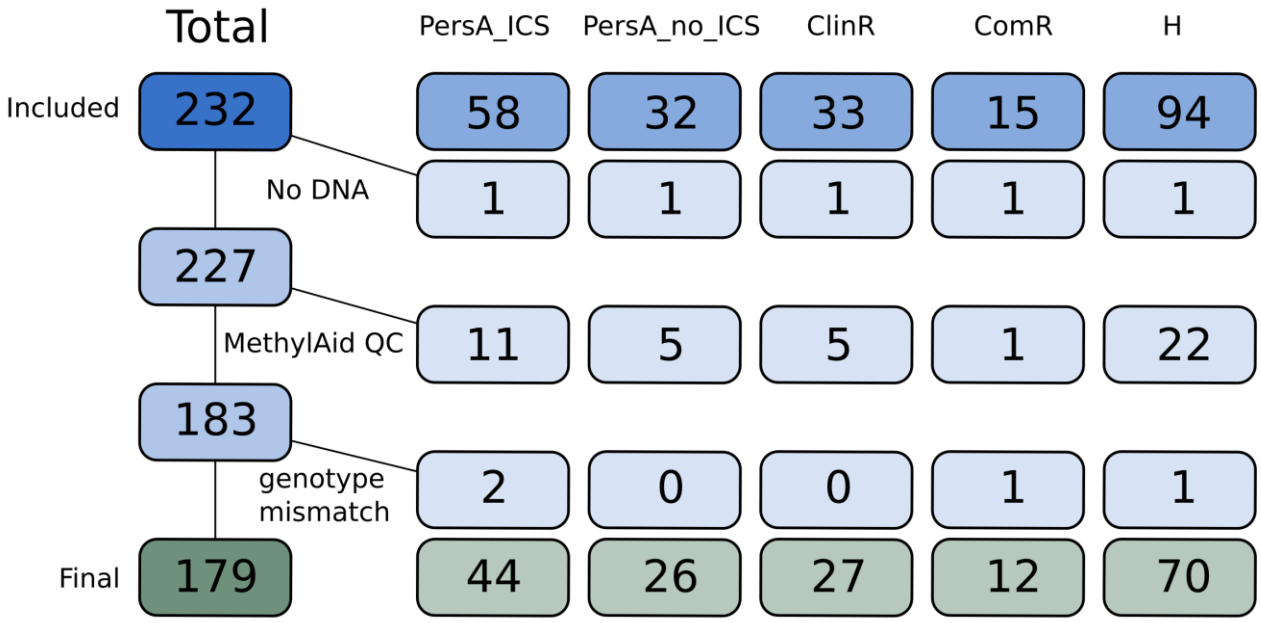
Supplementary Figures

Figure 1: Sample drop out during QC for A) DNA methylation array and B) RNAsequencing samples. The upper tier (dark blue) shows the total numbers of included subjects and the bottom tier (in green) shows the total numbers of samples analysed in this study. Samples are broken down by subject groups. : PersA_ICS Persistent asthma with ICS use PersA_no_ICS Persistent asthma without ICS use, ClinR Clinical Remission, ComR Complete Remission, H Healthy Controls. A) The middle tiers (light blue) show drop out of samples due to failed DNA extraction (no DNA), failure to meet the MethylAid QC criteria (MethylAid QC) and genotype mismatch between methylation array and independent SNP array (genotype mismatch). B) The middle tiers (light blue) show drop out of samples due to failed RNA extraction (no RNA), failure during sample processing (sample processing) and failure to meet QC criteria after sequencing (QC).

A)



B)

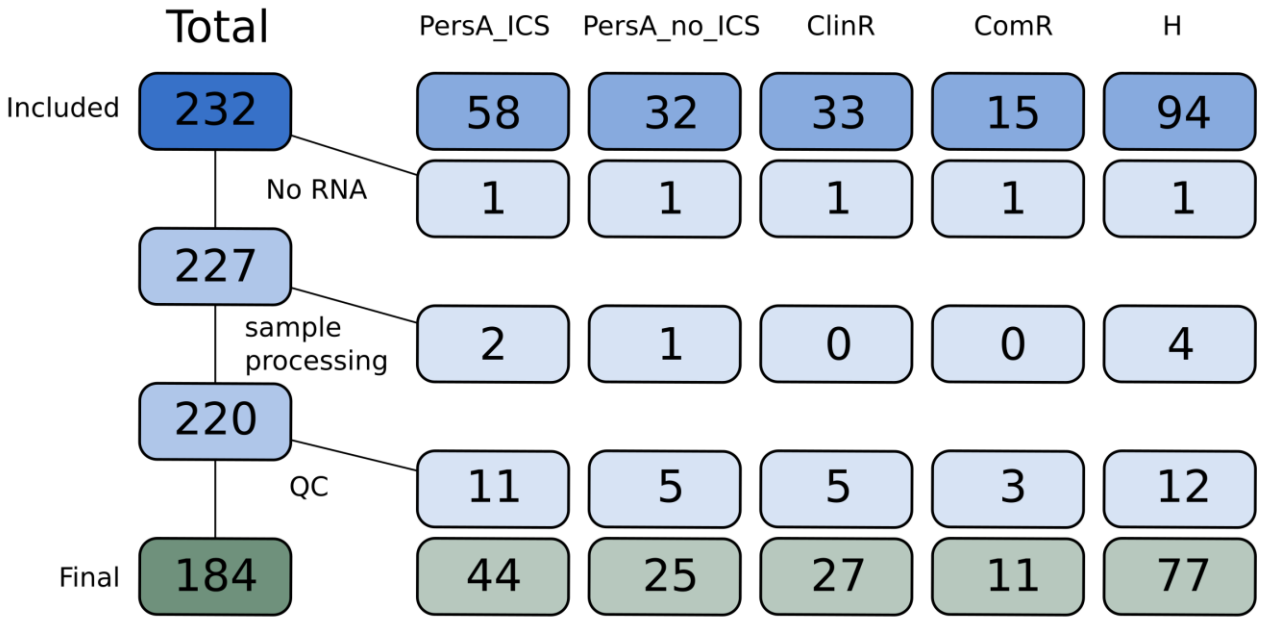
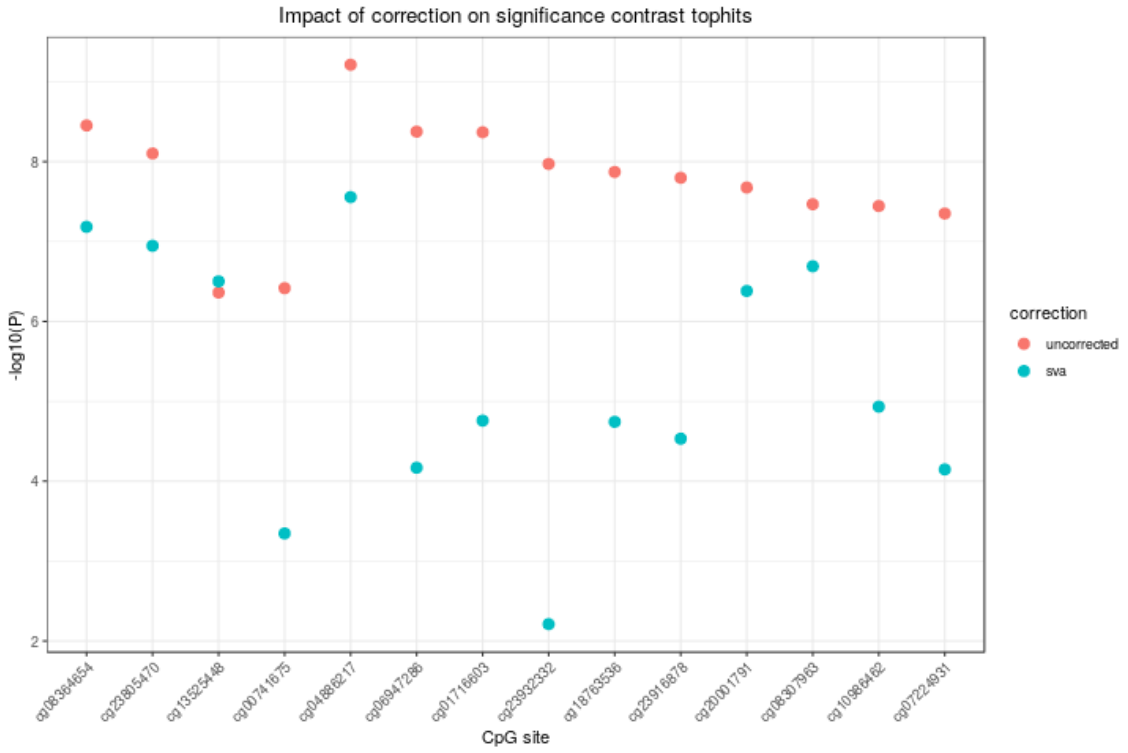


Figure 2: Summary statistics of the effect of adding cell type composition on differential methylation of a subset of CpG-sites. Figure (A) shows the -log10 transformed *P*-values from the contrasts that were assessed in the manuscript. The leftmost four CpG-sites are the tophits from the contrast remission *versus* asthma and the remaining sites come from the contrast remission *versus* healthy. See the MS for details. Plotted are the uncorrected *P*-values (red, also reported in Table 2A and 2B) and the *P*-values from the analysis including surrogate variables (blue). Figure (B) shows the -log10 transformed *P*-values for the surrogate variables for the same CpG-sites as in (A).

A)



B)

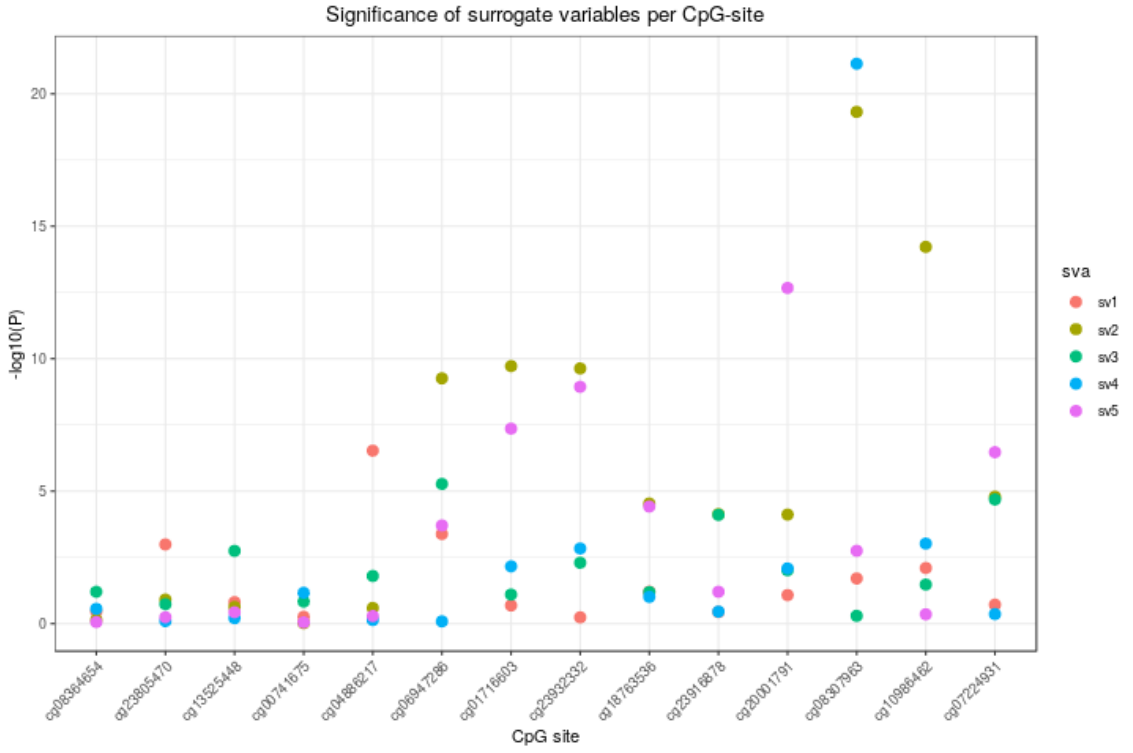
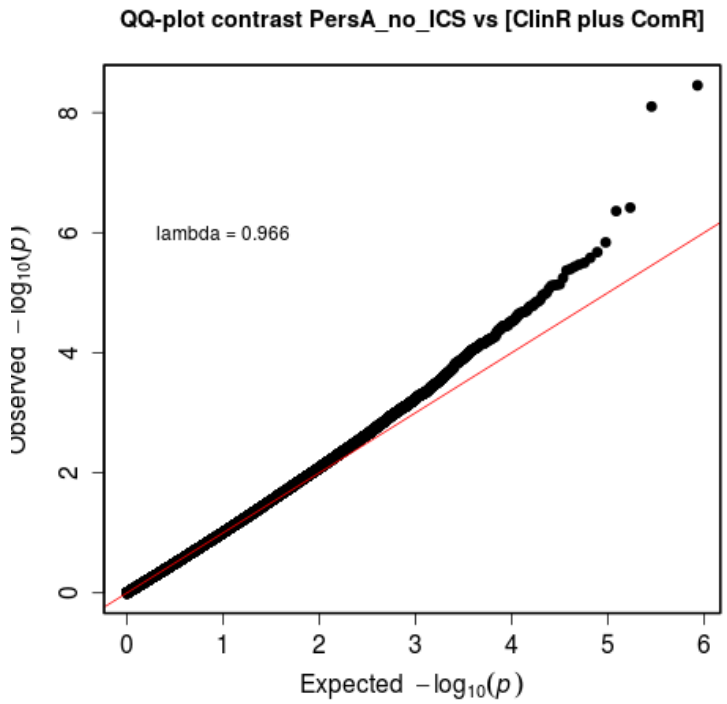


Figure 3: Quantile-quantile plots of observed *P*-values plotted against the expected *P*-values from a uniform distribution. Plots show data from the contrast (A) remission versus asthma and (B) remission versus healthy. The lambda values from chi-square statistics are reported in the figures. Lambda values differing from 1 indicate systematic bias, but may have a biological source (e.g. driven by differences cell composition).

A)



B)

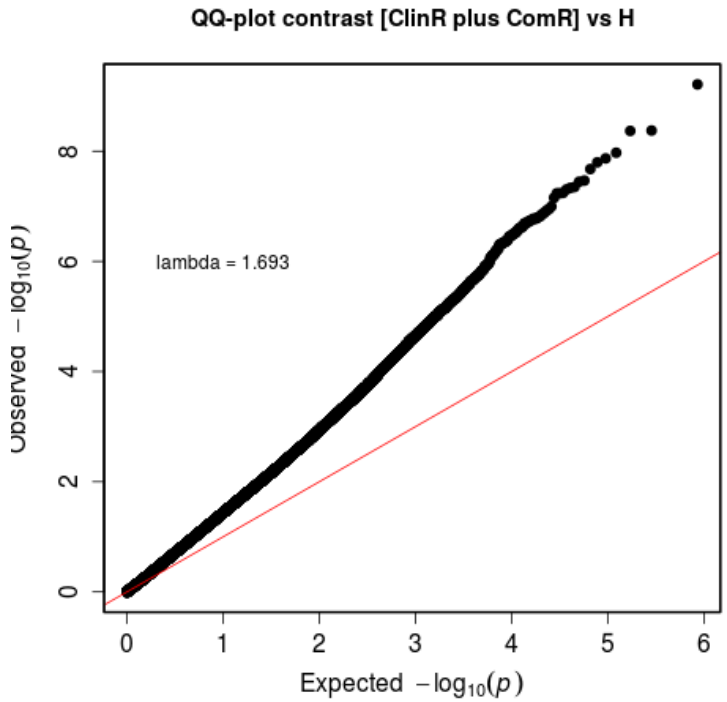


Figure 4: Manhattan plots of DMRs as output of the comb-p program. A) Asthma versus Remission. B) Remission versus Healthy.

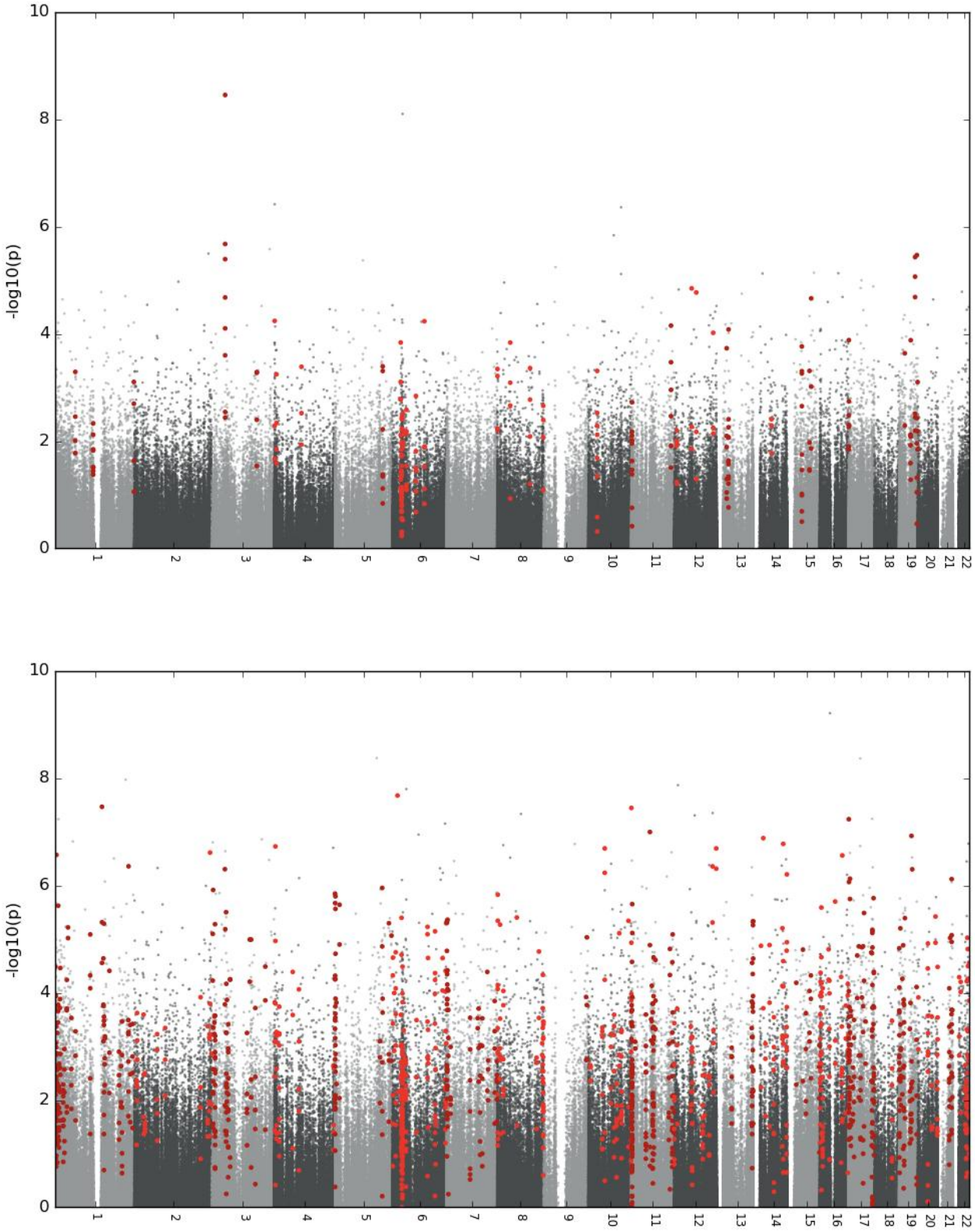
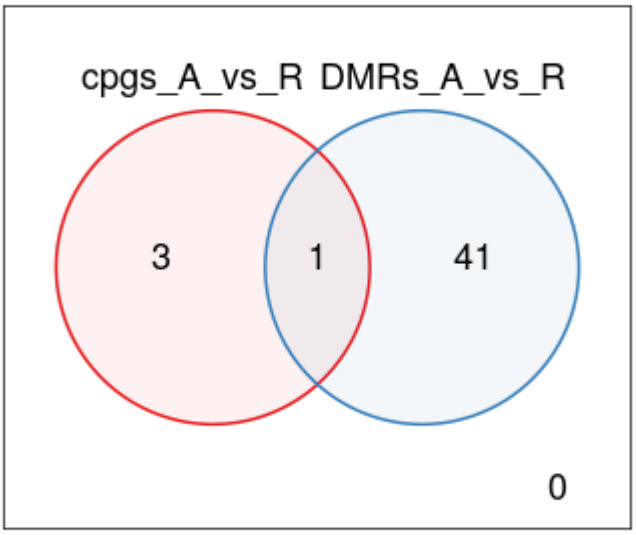
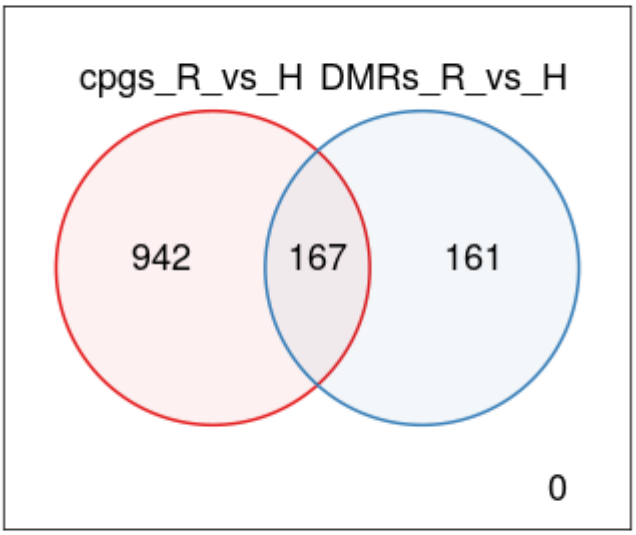


Figure 5: Overlap in genomic position of individual CpGs with DMRs. A) Asthma versus Remission. B) Remission versus Healthy.





Supplementary Tables

Table 1A-B: limma output R-PersA_no_ICS and R-H for all CpG-sites nominally significant P.Value < 0.05. Toptables of CpG-sites are annotated with genes with significantly correlated transcript abundance (P < 0.001).

Table 2A-B: Final comb-p output table of regions passing the filter

Table 3: P-values from limma's Mean Rank Gene Set Test. Input were the t-statistics from MatrixEQTL DNA methylation M-values versus gene expression for the 14 CpG-sites in the table rows. The colums show the twenty gene sets corresponding to genes expressed by four major cell type clusters.

Name	chr	pos	sym	logFC	t	P.Value	adj.P.Val
cg08364654	chr3	42978180		0.831109	6.22982	3.52E-09	0.001505
cg23805470	chr6	32056820		0.596536	6.07264	7.92E-09	0.001693
cg13525448	chr10	1.03E+08		-0.47906	-5.25533	4.36E-07	0.046629
cg00741675	chr4	967327		2.958508	5.283343	3.83E-07	0.046629
cg10809560	chr10	79936959		-0.6872	-4.99415	1.45E-06	0.123965
cg22714811	chr3	42977896	ACKR2	0.763206	4.910747	2.11E-06	0.15027
cg12001357	chr2	2.33E+08		-0.50608	-4.81859	3.18E-06	0.151638
cg23025893	chr3	1.83E+08		-0.46531	-4.86135	2.63E-06	0.151638
cg16954928	chr19	56135916		-0.43614	-4.80308	3.40E-06	0.151638
cg14742716	chr19	50666345		0.846393	4.783888	3.70E-06	0.151638
cg27084712	chr3	42977845		0.934103	4.763484	4.05E-06	0.151638
cg13982098	chr5	87955859		0.63036	4.751794	4.26E-06	0.151638
cg13558087	chr9	37488517		-0.51009	-4.68447	5.70E-06	0.187549
cg25771195	chr16	58163814		0.548798	4.623598	7.41E-06	0.192405
cg23940614	chr15	84115479		0.579058	4.629434	7.23E-06	0.192405
cg05872306	chr14	29236535		0.789351	4.621121	7.49E-06	0.192405
cg09697795	chr19	50666379	RPL13A	0.903148	4.589269	8.58E-06	0.203846
cg11498156	chr10	1.03E+08		-0.47079	-4.61617	7.65E-06	0.192405
cg12812489	chr17	40896724		-0.39174	-4.55249	1.00E-05	0.224472
cg01647111	chr8	22014425		-0.32094	-4.53023	1.10E-05	0.224472
cg15441973	chr2	1.39E+08		0.601896	4.538659	1.06E-05	0.224472
cg08816590	chr12	54954337		0.878218	4.47096	1.41E-05	0.25199
cg26351916	chr17	78084228		-0.41761	-4.49071	1.30E-05	0.25199
cg13823403	chr17	38296474	ENSG00000264198	-0.30142	-4.47447	1.39E-05	0.25199

cg01961156	chr12	14135228		0.441805	4.458826	1.49E-05	0.254499
cg27076669	chr12	69327457	ENSG00000240087	0.538032	4.428326	1.69E-05	0.258021
cg17187762	chr22	28070120		-0.59976	-4.43582	1.64E-05	0.258021
cg12064276	chr13	79182205		0.355215	4.415871	1.78E-05	0.262346
cg02854922	chr1	1.45E+08	LIX1L;RNF115;PIAS3;ANKRD35	0.58653	4.432367	1.66E-05	0.258021
cg24658517	chr1	2.21E+08		0.433003	4.39036	1.98E-05	0.262941
cg21104412	chr3	42978026		0.793248	4.376485	2.09E-05	0.262941
cg02186298	chr11	65101602		0.376488	4.372202	2.13E-05	0.262941
cg01857260	chr19	50666552		0.603942	4.380193	2.06E-05	0.262941
cg18612461	chr15	75251733	ISLR	0.5395	4.366998	2.18E-05	0.262941
cg10501305	chr16	71518232		0.35585	4.381505	2.05E-05	0.262941
cg14041976	chr1	22978981		-0.46704	-4.3568	2.27E-05	0.262941
cg14420108	chr9	34647483		0.499208	4.331087	2.52E-05	0.278409
cg07741524	chr16	25026707		-0.30006	-4.32952	2.54E-05	0.278409
cg02799712	chr20	48532227		-0.37473	-4.3563	2.28E-05	0.262941
cg10920329	chr8	1.26E+08		-0.45759	-4.3078	2.78E-05	0.28802
cg12449404	chr2	40437698		-0.88981	-4.29948	2.87E-05	0.28802
cg12489896	chr6	364068		0.450503	4.294786	2.93E-05	0.28802
cg05401764	chr3	1.58E+08		0.409231	4.288103	3.01E-05	0.28802
cg08085917	chr12	1.33E+08		-0.36951	-4.28801	3.01E-05	0.28802
cg05847755	chr22	50009422		-0.39272	-4.27662	3.15E-05	0.28802
cg02232839	chr1	1.56E+08		0.612817	4.24191	3.63E-05	0.28802
cg13507560	chr2	1.34E+08		-0.48896	-4.2492	3.52E-05	0.28802
cg25657187	chr5	87969213		0.577382	4.244909	3.58E-05	0.28802

cg04618333	chr17	46800674		0.557355	4.24354	3.60E-05	0.28802
cg05545441	chr4	1.74E+08		0.476986	4.253315	3.46E-05	0.28802
cg12824719	chr22	43116300		-0.44372	-4.24745	3.55E-05	0.28802
cg04600077	chr5	1852839		-0.35772	-4.241	3.64E-05	0.28802
cg04841358	chr8	10897293		-0.71889	-4.21251	4.08E-05	0.301247
cg08774452	chr12	1.29E+08		0.671594	4.22594	3.87E-05	0.300447
cg22658082	chr5	1.37E+08		-0.32823	-4.21205	4.09E-05	0.301247
cg00402366	chr1	74663750		-0.56323	-4.24445	3.59E-05	0.28802
cg17903590	chr1	28623081	DNAJC8	-0.72017	-4.20625	4.18E-05	0.303106
cg13916633	chr11	35644854		-1.53416	-4.27563	3.16E-05	0.28802
cg02401589	chr11	93584748		-0.60465	-4.21479	4.04E-05	0.301247
ch.19.732135R	chr19	17385198		-0.77619	-4.19057	4.45E-05	0.31378
cg17062917	chr15	70054539		0.350957	4.18	4.65E-05	0.32034
cg24281668	chr12	1.14E+08	CCDC42B;OAS1;ENSG00000199899;RITA1;IQCD;DDX54	0.481058	4.189259	4.48E-05	0.31378
cg12233363	chr6	1.01E+08		0.414921	4.123855	5.81E-05	0.336905
cg16512895	chr19	13410117		0.449209	4.144353	5.35E-05	0.336905
cg09131512	chr6	30713442		-0.40028	-4.14147	5.42E-05	0.336905
cg04530978	chr10	44858679		-0.59063	-4.12327	5.82E-05	0.336905
cg11055242	chr12	1.22E+08		0.396502	4.154417	5.14E-05	0.336905
cg22294849	chr4	4292494		-0.37594	-4.13442	5.57E-05	0.336905
cg06640718	chr6	91417950		0.72868	4.117439	5.96E-05	0.336905
cg16400631	chr1	91300215		0.466468	4.130967	5.65E-05	0.336905

cg04282694	chr6	5996412		0.491776	4.139303	5.46E-05	0.336905
cg08222618	chr4	941054		0.726098	4.127199	5.73E-05	0.336905
cg23570694	chr10	50976348		0.372851	4.120426	5.89E-05	0.336905
cg17903359	chr1	2.48E+08		-0.35518	-4.1084	6.17E-05	0.336905
cg06877486	chr13	45694166		0.940722	4.10048	6.37E-05	0.336905
cg24202021	chr6	31364902		-0.51178	-4.10846	6.17E-05	0.336905
cg23351271	chr8	1.46E+08		0.39001	4.096762	6.46E-05	0.336905
cg08833670	chr11	1.25E+08	ROBO3	0.776071	4.075525	7.02E-05	0.336905
cg04778274	chr19	35615444	LIN37	0.473012	4.108437	6.17E-05	0.336905
cg18315708	chr14	21673796	LINC00641	-0.62219	-4.06572	7.30E-05	0.338963
cg05957736	chr3	1.12E+08		-0.35409	-4.07723	6.97E-05	0.336905
cg01812045	chr2	2.2E+08		0.333636	4.080977	6.87E-05	0.336905
cg00471000	chr20	31618468	E2F1	-0.33712	-4.08603	6.74E-05	0.336905
cg12861809	chr5	1.26E+08		-0.53868	-4.07321	7.09E-05	0.336905
cg19198919	chr12	1.1E+08		0.460316	4.078496	6.94E-05	0.336905
cg00846483	chr8	1.25E+08		0.475822	4.075224	7.03E-05	0.336905
cg02504229	chr1	9555380		0.425159	4.106376	6.22E-05	0.336905
cg18030260	chr13	27884819		-0.36763	-4.08868	6.67E-05	0.336905
cg04095826	chr1	2.3E+08		0.648028	4.072898	7.09E-05	0.336905
cg07940428	chr4	1.85E+08		-0.48172	-4.0571	7.55E-05	0.343108
cg14546258	chr9	95421919	FAM120AOS	-0.38066	-4.07914	6.92E-05	0.336905
cg06748792	chr17	56062305		0.430353	4.077853	6.96E-05	0.336905
cg12503110	chr4	2760420		-0.36442	-4.06606	7.29E-05	0.338963
cg14549951	chr9	1.38E+08		0.601559	4.050113	7.75E-05	0.345704
cg08623548	chr1	1.54E+08		0.38578	4.057593	7.53E-05	0.343108

cg07022554	chr16	1993481		0.38191	4.039002	8.10E-05	0.345704
cg11303738	chr3	42977889		0.549872	4.045686	7.89E-05	0.345704
cg02917321	chr22	38215204	KCTD17	0.441082	4.029656	8.40E-05	0.345704
cg15905634	chr7	1.43E+08		-0.5246	-4.04304	7.97E-05	0.345704
cg25217100	chr13	37249426		0.6474	4.033496	8.27E-05	0.345704
cg02016838	chr11	1.1E+08		-0.42982	-4.04037	8.05E-05	0.345704
cg26377875	chr5	5421933		-0.68174	-4.02798	8.45E-05	0.345704
cg20046777	chr12	61961255		-0.51221	-4.03347	8.27E-05	0.345704
cg08724891	chr2	2.2E+08		-0.6187	-4.01709	8.82E-05	0.345704
cg05043461	chr5	1.41E+08		0.535876	4.019603	8.73E-05	0.345704
cg04147272	chr15	79261496		0.630305	4.022331	8.64E-05	0.345704
cg21560191	chr19	44408232		-0.58394	-4.02072	8.69E-05	0.345704
cg06081518	chr16	3220915		0.480304	4.026042	8.51E-05	0.345704
cg08539872	chr10	73004610	CDH23;PALD1;SLC29A3	-0.54481	-4.01442	8.91E-05	0.345704
cg00757420	chr1	8398058		-0.40083	-4.01238	8.98E-05	0.345704
cg03343631	chr13	1.15E+08		-0.53152	-4.00178	9.35E-05	0.350325
cg09368704	chr12	1.23E+08	CLIP1	-0.67186	-3.99624	9.56E-05	0.352105
cg11403027	chr5	42971411		0.600347	4.005978	9.20E-05	0.350325
cg00876273	chr10	94452311		0.635794	3.999793	9.43E-05	0.350325
cg21587066	chr13	37004940		0.540958	3.993336	9.66E-05	0.353025
cg05389958	chr16	614986		-0.41598	-4.0153	8.88E-05	0.345704
cg00804097	chr1	3349982		-0.56142	-4.00203	9.34E-05	0.350325
ch.9.91953F	chr9	76690975		0.558432	3.971762	0.000105	0.367688
cg20760116	chr3	13324924		0.528536	3.984707	9.99E-05	0.358828

cg16560313	chr14	1.03E+08		-0.5169	-3.97338	0.000104	0.367688
cg03236328	chr15	75101344		-0.33477	-3.96977	0.000106	0.367688
cg16245265	chr11	14995233		0.620567	3.987382	9.89E-05	0.35816
cg14884793	chr13	1.09E+08		0.684991	3.946064	0.000116	0.381055
cg08657247	chr17	27279763		0.331556	3.978493	0.000102	0.364451
cg25380207	chr10	49365197		0.415744	3.965814	0.000107	0.370301
cg02294764	chr13	1.13E+08		0.529251	3.95531	0.000112	0.37721
cg21466963	chr19	22817774		0.429915	3.954756	0.000112	0.37721
cg07140194	chr2	73150236		-0.36605	-3.9379	0.00012	0.38116
cg18771034	chr12	69327947		-0.54284	-3.944	0.000117	0.381055
cg17584512	chr3	73225164		-0.46545	-3.94972	0.000114	0.381055
cg25368651	chr11	6518287	OLFML1	0.605275	3.936053	0.00012	0.38116
cg14989252	chr5	57786449		0.596397	3.927864	0.000124	0.387509
cg16988989	chr15	25925801		-0.51207	-3.92356	0.000126	0.389161
cg16646743	chr19	9608947		0.710113	3.939913	0.000119	0.38116
cg22697962	chr2	71192118		0.446734	3.961455	0.000109	0.373533
cg17364913	chr7	1.57E+08		-0.58821	-3.91995	0.000128	0.389161
cg12853633	chr14	57264919		0.488271	3.928667	0.000124	0.387509
cg13252583	chr19	36909831		0.600661	3.913467	0.000131	0.390828
cg24692170	chr1	2.05E+08	SLC41A1	-0.51811	-3.92073	0.000128	0.389161
cg13912858	chr1	1.1E+08	C1orf194;GSTM4;STRIP1;GSTM3;GPSM2;CELSR2;CSF1;WDR47	0.465411	3.945727	0.000116	0.381055
cg16282339	chr11	47927019		0.476459	3.919189	0.000128	0.389161

cg07795548	chr16	69457652		0.706891	3.912275	0.000132	0.390828
cg03517919	chr1	10398268		0.377681	3.938172	0.000119	0.38116
cg10718894	chr17	1094057		-1.06097	-3.91432	0.000131	0.390828
cg22718636	chr4	961658	DGKQ	1.034075	3.883278	0.000147	0.392971
cg05441596	chr4	905441		-0.46226	-3.88346	0.000147	0.392971
cg13472341	chr11	85522005		-0.27238	-3.9071	0.000134	0.390828
cg25342207	chr10	1.32E+08		0.506398	3.899483	0.000138	0.392971
cg07091548	chr1	18432960		-0.57654	-3.88824	0.000144	0.392971
cg27328469	chr4	79367640		-0.46162	-3.90104	0.000138	0.392971
cg16418183	chr16	51360402		-0.5585	-3.90827	0.000134	0.390828
cg12006399	chr15	84954185		-0.27247	-3.90883	0.000134	0.390828
cg25343227	chr22	42353589		0.356785	3.879478	0.000149	0.395357
cg00620190	chr6	26240307	BTN2A1	0.725659	3.887298	0.000145	0.392971
cg06166767	chr8	41167848		0.488723	3.88646	0.000145	0.392971
cg10079867	chr2	2.42E+08		-0.46841	-3.88855	0.000144	0.392971
cg04638468	chr4	1.23E+08		0.436483	3.863502	0.000158	0.405563
cg27413290	chr8	1.45E+08	TSTA3	0.693918	3.889624	0.000144	0.392971
cg21148923	chr5	45553518		-0.59201	-3.88883	0.000144	0.392971
cg01575519	chr16	89151852		-0.46585	-3.87573	0.000151	0.396896
cg05934997	chr16	81214503		-0.24763	-3.89366	0.000141	0.392971
cg27015174	chr15	43622946		-0.46712	-3.89029	0.000143	0.392971
cg08133937	chr11	46868042		-0.39397	-3.88915	0.000144	0.392971
cg18998002	chr17	38570480		0.439196	3.878386	0.00015	0.395357
cg10379209	chr19	45569281		-0.47426	-3.86995	0.000155	0.400727
cg05573844	chr12	54354590		0.496037	3.872593	0.000153	0.399166

cg04025675	chr15	45671028		0.558943	3.841991	0.000172	0.432036
cg26829990	chr12	1.1E+08		-0.44156	-3.83755	0.000175	0.434171
cg00896578	chr14	38083827		-0.54358	-3.86437	0.000158	0.405563
cg25421069	chr16	75563114		0.456196	3.854544	0.000164	0.414591
cg19408572	chr4	967324		1.947552	3.861976	0.000159	0.405563
cg14161426	chr5	96143592		-0.20911	-3.82652	0.000182	0.441799
cg10754505	chr20	60303881		-0.73348	-3.82263	0.000185	0.441799
cg07515196	chr19	11354240	ICAM1	0.486886	3.805982	0.000197	0.456645
cg06647751	chr10	88149324		0.508603	3.828687	0.000181	0.441799
cg18281744	chr6	29455512		-0.49724	-3.82599	0.000182	0.441799
cg09596025	chr16	84090260		0.433453	3.839866	0.000173	0.432945
cg05216542	chr16	48109635	NETO2;PHKB	-0.63231	-3.81016	0.000194	0.452042
cg24699271	chr3	4638584		0.490888	3.826569	0.000182	0.441799
cg04461311	chr17	47926783		-0.37072	-3.81926	0.000187	0.444257
cg16290689	chr13	31506685		0.41732	3.822233	0.000185	0.441799
cg04732324	chr11	68564292		0.792877	3.792733	0.000207	0.464555
cg26554674	chr1	1.01E+08	EXTL2	0.464668	3.82258	0.000185	0.441799
cg00357503	chr15	44119060		0.328482	3.788678	0.00021	0.465615
cg22755534	chr11	1.29E+08		-0.39701	-3.78758	0.00021	0.465615
cg13385016	chr4	1.12E+08		0.73475	3.811004	0.000193	0.452042
cg08922603	chr4	4763690		-0.37949	-3.79794	0.000203	0.460503
cg02311456	chr4	6710661		0.585017	3.802062	0.000199	0.457548
cg21815667	chr2	1.77E+08		0.478672	3.801105	0.0002	0.457548
cg27191312	chr19	12750958		0.985929	3.795528	0.000204	0.462189
cg15698851	chr8	29940391		-0.51117	-3.81227	0.000192	0.452042

cg11342789	chr1	1.62E+08		-0.52702	-3.76511	0.000229	0.474631
cg20610605	chr16	30845651		0.405996	3.801746	0.0002	0.457548
cg02754706	chr6	82956845		-0.43146	-3.78512	0.000212	0.465615
cg20242499	chr14	24546847		-0.37915	-3.77056	0.000224	0.471384
cg11644479	chr11	2292914	CARS	-0.43453	-3.77147	0.000223	0.471384
cg20993909	chr8	916135	TDRP	-0.42578	-3.78187	0.000215	0.467017
cg21745873	chr7	4794773		-0.38123	-3.76149	0.000232	0.47488
cg27205902	chr11	1006985		0.379094	3.75591	0.000237	0.47488
cg13554878	chr6	1.59E+08	ENSG00000236537	-0.37757	-3.77017	0.000225	0.471384
cg09453116	chr7	1.12E+08		0.229715	3.776461	0.000219	0.471127
cg21877201	chr1	47070058		-0.2408	-3.78524	0.000212	0.465615
cg13209077	chr1	2.14E+08		0.337349	3.781555	0.000215	0.467017
cg21489391	chr12	1.33E+08		-0.57355	-3.75903	0.000234	0.47488
cg13857519	chr11	18062735		-0.44019	-3.78008	0.000216	0.467202
cg13241740	chr10	1.15E+08		0.414912	3.769097	0.000225	0.471384
cg00465277	chr16	86121393		-0.35883	-3.78576	0.000212	0.465615
cg00962755	chr1	2.01E+08	PKP1;CAMSAP2;LAD1	0.551468	3.768283	0.000226	0.471384
cg13899108	chr19	18344322	DDX49	0.429687	3.763534	0.00023	0.47488
cg07575770	chr4	1.74E+08		0.43562	3.77437	0.000221	0.471384
cg19421484	chr11	64052187		0.268396	3.757261	0.000235	0.47488
cg20856834	chr6	29342522		-0.6114	-3.7502	0.000242	0.478237
cg08118067	chr16	2986201		-0.4782	-3.75292	0.000239	0.475671
cg25021575	chr13	77461919		0.398318	3.736638	0.000254	0.493561
cg04694437	chr5	88185051		0.632998	3.756126	0.000236	0.47488

cg08590257	chr6	1.6E+08		-0.40524	-3.75377	0.000239	0.475671
cg16787600	chr10	1.06E+08		0.5346	3.737863	0.000253	0.493561
cg07221832	chr1	2.37E+08		-0.44627	-3.72689	0.000263	0.503981
cg27112897	chr17	5974078		0.325619	3.747308	0.000244	0.481133
cg01797160	chr19	7531966	CD209	-0.42849	-3.75781	0.000235	0.47488
cg18516471	chr3	42978248		0.608314	3.740308	0.000251	0.491417
cg08410613	chr7	26657674	HOXA5;HOXA3	-0.58497	-3.7187	0.000271	0.503981
cg11503720	chr1	1.67E+08		0.245389	3.717629	0.000272	0.503981
cg25456144	chr11	44629374	ALX4;TSPAN18;C11orf96	0.455772	3.718543	0.000271	0.503981
cg05373457	chr8	99439948		0.365501	3.729896	0.00026	0.501368
cg23495116	chr8	1.19E+08		0.557812	3.718532	0.000271	0.503981
cg16645033	chr5	1.5E+08		-0.44346	-3.72032	0.00027	0.503981
cg20456564	chr4	1.23E+08		0.595564	3.718131	0.000272	0.503981
cg00959308	chr20	61558735		0.401283	3.71425	0.000276	0.508049
cg04367866	chr2	66695875		-1.13554	-3.70257	0.000288	0.521132
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ch.19.1787100F	chr19	54635630	LAIR1	-0.33035	-3.70638	0.000284	0.518406
cg22946557	chr19	58878639		-0.53964	-3.70433	0.000286	0.520081
cg00255853	chr6	33176439		-0.21918	-3.6965	0.000294	0.521132
cg15123692	chr2	23886357		0.623954	3.712324	0.000278	0.509443
cg09763814	chr4	680234		0.424931	3.69341	0.000298	0.521132
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cg00327437	chr1	64578227	ENSG00000226891;MIR101-1	-0.6461	-3.69504	0.000296	0.521132
cg11523960	chr5	88004111		-0.41863	-3.69266	0.000298	0.521132
cg01210554	chr7	27191564		0.556954	3.684213	0.000308	0.521852
cg06399933	chr11	15134022		-0.34921	-3.719	0.000271	0.503981
cg04396312	chr10	88702403		0.552354	3.692056	0.000299	0.521132
cg04729655	chr2	2.2E+08		-0.27529	-3.6999	0.000291	0.521132
cg21101447	chr13	30911725		-0.34823	-3.67772	0.000315	0.527004
cg06884559	chr16	88688842	GALNS	-0.43427	-3.69472	0.000296	0.521132
cg24686270	chr5	1.47E+08		0.440626	3.667643	0.000327	0.527004
cg24077001	chr2	71504971		0.445978	3.690104	0.000301	0.521132
cg10016145	chr12	1.32E+08		-0.28003	-3.68074	0.000312	0.526388
cg05011258	chr16	67360300		0.495994	3.695181	0.000296	0.521132
cg19003304	chr8	60029914		0.540254	3.719408	0.000271	0.503981
cg11563680	chr6	1.01E+08		0.556275	3.687772	0.000304	0.521852
cg09287190	chr13	1.01E+08		0.306896	3.672773	0.000321	0.527004
cg26463621	chr18	13219222		0.364956	3.667992	0.000326	0.527004
cg06942946	chr1	52604255		-0.31922	-3.68747	0.000304	0.521852
cg22973468	chr8	54569817		0.512823	3.684648	0.000307	0.521852
cg19938922	chr22	47231861		0.469674	3.685002	0.000307	0.521852
cg25774098	chr1	1.61E+08		-0.26194	-3.66849	0.000326	0.527004
cg00217080	chr2	4050767		-0.69257	-3.67448	0.000319	0.527004
cg26387619	chr3	1.34E+08		-0.30586	-3.66332	0.000332	0.531934
cg07266046	chr2	2.03E+08		-0.55335	-3.65039	0.000348	0.535552
cg18943969	chr1	1.17E+08		-0.24016	-3.66885	0.000325	0.527004

cg25639449	chr15	68129069		-0.4518	-3.6677	0.000327	0.527004
cg01555604	chr14	45431583		0.370378	3.662277	0.000333	0.531934
cg17356964	chr6	1.07E+08		-0.41958	-3.67277	0.000321	0.527004
cg11382529	chr8	65490613		0.478158	3.660623	0.000335	0.531934
cg24252708	chr6	32046663		0.303468	3.671116	0.000323	0.527004
cg01364498	chr3	48594400		-0.2542	-3.67265	0.000321	0.527004
cg01253160	chr11	1.25E+08		0.525737	3.658896	0.000337	0.531934
cg06226279	chr2	1.22E+08		-0.38688	-3.64819	0.000351	0.535552
cg17022437	chr10	43800382		0.271705	3.658884	0.000337	0.531934
cg26510975	chr7	5347588		-0.58955	-3.65102	0.000347	0.535552
cg23522895	chr17	80673675		0.448177	3.679269	0.000313	0.527004
cg18964609	chr2	1.2E+08		0.471056	3.646719	0.000352	0.535552
cg17559549	chr17	19280947		-0.34636	-3.66107	0.000335	0.531934
cg17883960	chr12	1.3E+08		-0.45853	-3.64918	0.000349	0.535552
cg01181485	chr4	1.53E+08	ARFIP1	-0.36742	-3.65523	0.000342	0.535552
cg21920859	chr3	1.68E+08		0.375951	3.644929	0.000355	0.535552
cg17784591	chr6	30306659	ZNRD1	-0.51239	-3.65331	0.000344	0.535552
cg08833126	chr4	1.8E+08		-0.64873	-3.63695	0.000365	0.536164
cg25788088	chr4	1546465		-0.44201	-3.64305	0.000357	0.535552
cg02481789	chr17	40805506		0.379553	3.643456	0.000357	0.535552
cg26799196	chr6	31471658		-0.3633	-3.64503	0.000355	0.535552
cg14086681	chr7	1.58E+08		-0.37573	-3.64162	0.000359	0.536164
cg12425057	chr3	15107106		0.684246	3.638287	0.000363	0.536164
cg19660063	chr5	16616510		-0.52821	-3.62446	0.000382	0.547622
cg01112778	chr5	1.46E+08		0.478925	3.644495	0.000355	0.535552

cg26932432	chr11	31830524		0.383617	3.638287	0.000363	0.536164
cg04345751	chr1	2.45E+08	ENSG00000232059	0.586653	3.639356	0.000362	0.536164
cg14562715	chr10	37967668		0.289074	3.63771	0.000364	0.536164
cg03668997	chr19	21264131		0.548758	3.623286	0.000383	0.548093
cg27172880	chr19	40562354		-0.3463	-3.65297	0.000345	0.535552
cg21808240	chr19	36822564	ZFP82	0.429757	3.633713	0.000369	0.538749
cg01206970	chr19	49621187		-0.36903	-3.62736	0.000378	0.545609
cg27393285	chr19	57277288		0.62295	3.635004	0.000368	0.538088
cg06030689	chr15	20768083		-0.42471	-3.64592	0.000353	0.535552
cg02038418	chr15	39958882		0.49905	3.630176	0.000374	0.541945
cg17516945	chr8	38088501		0.381279	3.621923	0.000385	0.548589
cg14472384	chr6	27256375		0.527594	3.615953	0.000394	0.553447
cg09395732	chr3	10857456		0.491411	3.620454	0.000387	0.548589
cg22008551	chr19	46452989	CCDC8;FOXA3	-0.48948	-3.60367	0.000411	0.563195
cg24096387	chr13	1.14E+08		-0.41896	-3.60203	0.000414	0.563195
cg03298411	chr22	39077903		-0.19941	-3.62486	0.000381	0.547622
cg04151062	chr1	1.17E+08		0.346766	3.607272	0.000406	0.563195
cg25174438	chr4	85403915	NKX6-1	0.455143	3.604412	0.00041	0.563195
cg09970552	chr11	57520334		-0.3452	-3.61097	0.000401	0.55973
cg13666507	chr5	63257941		0.554753	3.611443	0.0004	0.55973
cg09152105	chr1	1.54E+08		-0.28514	-3.62025	0.000388	0.548589
cg10678486	chr18	48494218		-0.34982	-3.63062	0.000373	0.541945
cg00163199	chr17	18089483	FAM83G	0.557018	3.592441	0.000428	0.564874
cg09436067	chr3	1.86E+08		-0.37227	-3.60337	0.000412	0.563195
cg27039237	chr15	1.02E+08		-0.27398	-3.61841	0.00039	0.550399

cg27079322	chr17	59530436	ENSG00000267137	0.671154	3.598489	0.000419	0.564874
cg23558842	chr11	15095178	PDE3B	0.532429	3.59257	0.000428	0.564874
cg21046119	chr2	1.34E+08		-0.47856	-3.59657	0.000422	0.564874
cg22585224	chr4	1.23E+08		-0.37805	-3.59707	0.000421	0.564874
cg26211724	chr18	57636670		0.790483	3.602576	0.000413	0.563195
cg13460858	chr9	96720652	FGD3	0.317822	3.593236	0.000427	0.564874
cg07998396	chr10	1.3E+08	MKI67	-0.41012	-3.59422	0.000425	0.564874
cg11584098	chr5	1.16E+08		0.592104	3.596389	0.000422	0.564874
cg04106395	chr8	1049215		-0.98442	-3.57788	0.000451	0.564874
cg06818605	chr7	1.49E+08		0.36338	3.603978	0.000411	0.563195
cg14859749	chr22	30753135	ZMAT5	-0.24671	-3.58414	0.000441	0.564874
cg00039016	chr16	87421584		0.414525	3.584107	0.000441	0.564874
cg16560192	chr12	1.21E+08	RNU4-1	0.469891	3.58484	0.00044	0.564874
cg26212163	chr5	1.5E+08		0.609872	3.609328	0.000403	0.5612
cg23043611	chr15	93139145		0.530393	3.572589	0.00046	0.564874
cg08635255	chr17	79604305	PYCR1	-0.36206	-3.57331	0.000458	0.564874
cg09129067	chr8	1.04E+08		-0.56395	-3.58832	0.000434	0.564874
cg00268149	chr4	1.84E+08		0.524524	3.576466	0.000453	0.564874
cg20191030	chr10	81743546		0.461162	3.571601	0.000461	0.564874
cg27429106	chr2	1E+08		-0.36203	-3.57567	0.000454	0.564874
cg05241830	chr5	17128822		-0.40424	-3.57261	0.000459	0.564874
cg01107741	chr17	77006080		0.341398	3.571231	0.000462	0.564874
cg08273935	chr1	2518354		-0.3212	-3.57704	0.000452	0.564874
cg17630389	chr8	1.04E+08		-0.52007	-3.56251	0.000476	0.564874
cg03242698	chr10	1.03E+08		0.385654	3.565274	0.000472	0.564874

cg02073408	chr3	49296857		0.467534	3.569612	0.000464	0.564874
cg09919570	chr16	49311782		0.46137	3.563058	0.000475	0.564874
cg27254620	chr6	27265855		0.409257	3.584989	0.00044	0.564874
cg15087178	chr10	61946556	RHOBTB1	0.837434	3.572356	0.00046	0.564874
cg03790422	chr17	39552818		-0.32263	-3.5694	0.000465	0.564874
cg15161371	chr1	3613808		-0.40358	-3.57059	0.000463	0.564874
cg05475277	chr22	36902578		0.430298	3.570141	0.000464	0.564874
cg14452299	chr9	1.41E+08		-0.44077	-3.56775	0.000467	0.564874
cg05572568	chr7	98475809		-0.40466	-3.54726	0.000503	0.564874
cg11878016	chr7	84816843		0.659058	3.567587	0.000468	0.564874
cg01292846	chr17	33672543	SLFN5;UNC45B	0.431082	3.558634	0.000483	0.564874
cg06369327	chr3	1.47E+08		0.556408	3.563566	0.000474	0.564874
cg06814256	chr16	85382703		-0.34149	-3.56973	0.000464	0.564874
cg02933909	chr10	27703329		0.641411	3.554348	0.00049	0.564874
cg25053142	chr10	775353		-0.49168	-3.54697	0.000503	0.564874
cg01402347	chr4	96472269		-0.55628	-3.56959	0.000464	0.564874
cg05016408	chr5	1.5E+08	ZNF300P1;SLC36A1	0.725072	3.55365	0.000491	0.564874
cg17358883	chr4	1.12E+08		0.403878	3.558608	0.000483	0.564874
cg00781604	chr2	2.03E+08		-0.28613	-3.56915	0.000465	0.564874
cg18435832	chr15	45671155		0.557469	3.550835	0.000496	0.564874
cg03282336	chr10	18947857		0.512041	3.56517	0.000472	0.564874
cg11722971	chr2	1286544	PXDN	0.435374	3.549606	0.000498	0.564874
cg13597528	chr17	46800680		0.406671	3.560989	0.000479	0.564874
cg24723140	chr2	1.15E+08		0.624052	3.576673	0.000453	0.564874

cg05871614	chr22	42078330		0.265078	3.580635	0.000447	0.564874
cg06842781	chr15	29562077		0.211018	3.540858	0.000514	0.564901
cg23977002	chr2	8945049		0.526235	3.548554	0.0005	0.564874
cg09537031	chr8	19171706		-0.41362	-3.56461	0.000473	0.564874
cg05556361	chr8	93097402		-0.43594	-3.55141	0.000495	0.564874
cg11398031	chr19	51302503		-0.37468	-3.55609	0.000487	0.564874
cg18759190	chr1	2.07E+08	FAIM3	0.430843	3.583567	0.000442	0.564874
cg24676303	chr2	1682401		0.3503	3.546027	0.000505	0.564874
cg22443762	chr1	1.98E+08		0.41018	3.558473	0.000483	0.564874
cg23445341	chr19	1113357		0.394319	3.547831	0.000502	0.564874
cg01929377	chr13	37634127		0.48895	3.552865	0.000493	0.564874
cg12869983	chr3	8468525		-0.4555	-3.53723	0.000521	0.564901
cg04774597	chr15	69744390		0.558174	3.554836	0.000489	0.564874
cg04858987	chr3	15359338	FGD5;EAF1	-0.3956	-3.5571	0.000485	0.564874
cg19818271	chr7	77468418	MAGI2;CCDC146;RPL13AP17;ENSG00000232756;ENSG00000250990	0.780467	3.55007	0.000498	0.564874
cg06366791	chr1	63249213		0.822657	3.542734	0.000511	0.564901
cg07765706	chr8	1.33E+08		-0.46944	-3.5468	0.000503	0.564874
cg04809712	chr7	44749757		-0.38557	-3.54962	0.000498	0.564874
cg13084049	chr19	55851240		-0.29521	-3.5334	0.000528	0.565434
cg21052415	chr13	25746587		0.297617	3.55325	0.000492	0.564874
cg22496973	chr2	75937535		-0.50134	-3.53579	0.000523	0.564901
ch.6.98859407F	chr6	98752686		0.666175	3.540829	0.000514	0.564901

cg19513207	chr3	1.43E+08		0.572961	3.532071	0.00053	0.566674
cg16421526	chr4	1.15E+08		-0.25394	-3.54164	0.000513	0.564901
cg27135692	chr14	60097536	DACT1	0.405112	3.557169	0.000485	0.564874
cg19784873	chr4	1.85E+08		-0.41481	-3.54718	0.000503	0.564874
cg01085328	chr22	17589864		0.429212	3.53714	0.000521	0.564901
cg15744692	chr15	45671195	GATM	0.484852	3.524676	0.000544	0.568385
cg17270891	chr4	1.33E+08		-0.42293	-3.54793	0.000501	0.564874
cg24653270	chr15	80543517		0.39051	3.556315	0.000487	0.564874
cg08162327	chr22	39642281		-0.36733	-3.54671	0.000504	0.564874
cg07264726	chr3	1.43E+08		0.438614	3.540232	0.000515	0.564901
cg11054774	chr11	824777		0.610479	3.534384	0.000526	0.564901
cg02761497	chr5	6712440		-0.24718	-3.53486	0.000525	0.564901
cg19670885	chr4	3345495		-0.41675	-3.52281	0.000548	0.568385
cg14694381	chr8	1.1E+08		-0.4833	-3.52857	0.000537	0.568385
cg07839313	chr19	17514600		0.241928	3.525481	0.000543	0.568385
cg24057680	chr5	6633496		-0.26399	-3.53982	0.000516	0.564901
cg19592829	chr20	57426215		0.266042	3.53609	0.000523	0.564901
cg02472486	chr20	42143502		0.275375	3.544475	0.000508	0.564901
cg10279055	chr11	1.34E+08		-0.37321	-3.53533	0.000524	0.564901
cg00407484	chr19	45566128		0.39382	3.534439	0.000526	0.564901
cg17591219	chr2	1.67E+08		0.537959	3.52163	0.00055	0.569374
cg12806001	chr8	19614157		-0.38405	-3.51452	0.000564	0.576776
cg15364276	chr12	62860451		-0.35277	-3.51822	0.000557	0.572084
cg02767202	chr2	2.2E+08		0.265854	3.519843	0.000554	0.570199
cg07295248	chr9	79074560		0.358099	3.541511	0.000513	0.564901

cg00712050	chr8	1.33E+08	KCNQ3;LRRC6	-0.35561	-3.51998	0.000553	0.570199
cg13921220	chr1	18610522		-0.3482	-3.52707	0.00054	0.568385
cg01412011	chr4	3652433		0.329195	3.52976	0.000535	0.568385
cg20866694	chr6	27181670		0.609889	3.526419	0.000541	0.568385
cg02184226	chr17	37385773	THRA;PLXDC1;WIPF2;PIP4K2B;RAPGEFL1;MLLT6	-0.39289	-3.51742	0.000558	0.572306
cg11611600	chr15	84323154		0.498232	3.500134	0.000593	0.589161
cg23418467	chr4	6729081		0.951392	3.512725	0.000568	0.579045
cg01006193	chr12	6097872	SCARNA10	0.313239	3.531308	0.000532	0.566783
cg04833938	chr16	81248670		0.27622	3.525273	0.000543	0.568385
cg09473315	chr17	76228233		0.55204	3.506472	0.00058	0.585803
cg00459289	chr7	1.52E+08		-0.25411	-3.52736	0.000539	0.568385
cg04445871	chr3	1.37E+08		0.381893	3.499112	0.000595	0.589161
cg20296524	chr1	2.35E+08		-0.20561	-3.49955	0.000594	0.589161
cg10238603	chr1	2337875		-0.48354	-3.49972	0.000594	0.589161
cg16874252	chr2	2.34E+08		-0.48614	-3.50603	0.000581	0.585803
cg21515003	chr8	1049335		-0.52186	-3.49236	0.00061	0.589161
cg04212979	chr17	63096635	LRRC37A3	-0.33832	-3.51049	0.000572	0.582201
cg22460366	chr20	55108116		-0.35997	-3.49353	0.000607	0.589161
cg02373152	chr6	52227767		-0.55942	-3.52294	0.000548	0.568385
cg00320625	chr6	30584596		0.416396	3.504074	0.000585	0.588443
cg17971747	chr15	45410236	DUOX2;DUOXA1;DUOXA2;C15orf48;DUOX1	0.476716	3.506399	0.00058	0.585803

cg05577548	chr11	70666748		-0.53418	-3.4935	0.000607	0.589161
cg18944047	chr17	72322143		0.463856	3.496516	0.000601	0.589161
cg25721732	chr2	74602550		-0.39486	-3.50203	0.000589	0.589161
cg12058372	chr20	48252667		0.770535	3.523012	0.000547	0.568385
cg10508416	chr12	324747		-0.37192	-3.47342	0.000651	0.597099
cg13364146	chr18	74606944		-0.46002	-3.49871	0.000596	0.589161
cg10217327	chr6	1.19E+08		0.290305	3.507783	0.000578	0.585803
cg22187125	chr19	58565865	ZIK1;ZNF135;ZNF418;ZNF211;ZNF274;ZNF549;ZNF134	-0.3884	-3.48778	0.000619	0.591541
cg10400499	chr19	53088849		0.679885	3.480889	0.000634	0.596331
cg18639049	chr17	78965417		-0.30533	-3.48719	0.000621	0.591541
cg02608019	chr9	93564028		-0.27755	-3.48959	0.000615	0.591192
cg03132556	chr12	54366760	ESPL1;CALCOCO1;TENC1	0.534191	3.487655	0.00062	0.591541
cg12121075	chr12	1.22E+08		0.427974	3.498315	0.000597	0.589161
cg05210526	chr1	64059049		-0.31673	-3.49401	0.000606	0.589161
cg24218995	chr18	67873134		-0.27359	-3.49188	0.000611	0.589161
cg25420398	chr3	1.34E+08		0.48559	3.492562	0.000609	0.589161
cg04144218	chr7	69559531		-0.46969	-3.50046	0.000593	0.589161
cg06479254	chr2	1.77E+08		0.533502	3.493391	0.000607	0.589161
cg13587180	chr4	42403248		0.660662	3.478504	0.00064	0.596331
cg06872163	chr11	72145126	P2RY6	0.344459	3.486853	0.000621	0.591541
cg00734960	chr14	50319966		0.489136	3.47631	0.000645	0.596409
cg18190417	chr12	1.31E+08	GPR133	0.39551	3.495602	0.000603	0.589161

cg01306985	chr6	29720340		-0.32443	-3.47767	0.000642	0.596331
cg00562976	chr12	95927545		0.581473	3.482377	0.000631	0.596331
cg04526124	chr7	23571763		0.280255	3.468788	0.000662	0.597099
cg18219997	chr10	1.34E+08	TTC40	0.31493	3.484493	0.000627	0.595104
cg10941006	chr4	942705		0.392008	3.473194	0.000652	0.597099
cg15266121	chr12	1.06E+08	RPL18AP3	0.191592	3.471246	0.000656	0.597099
cg13937164	chr18	19780587		0.441812	3.478767	0.000639	0.596331
cg22278087	chr10	21462145		-0.56005	-3.47254	0.000653	0.597099
cg20810903	chr1	63787094	EFCAB7	0.252588	3.474718	0.000648	0.597099
cg02975243	chr16	85171958		-0.46263	-3.48088	0.000634	0.596331
cg17339414	chr4	1334513		-0.37631	-3.49186	0.000611	0.589161
cg08432383	chr11	1.29E+08	BARX2;C11orf45	0.531511	3.470309	0.000658	0.597099
cg22648375	chr7	1.07E+08		-0.37577	-3.4746	0.000649	0.597099
cg13489347	chr15	90321747	POLG	-0.26494	-3.4804	0.000636	0.596331
cg16903225	chr7	32111066		0.396153	3.467327	0.000665	0.597099
cg07778534	chr16	89601834		0.413033	3.468223	0.000663	0.597099
cg25546004	chr11	1.15E+08		0.419631	3.477492	0.000642	0.596331
cg25137403	chr2	1.77E+08		0.450349	3.456537	0.00069	0.602338
cg16549027	chr6	43149629	KLHDC3	0.409156	3.489925	0.000615	0.591192
cg04052466	chr19	2251061		0.606997	3.476969	0.000643	0.596331
cg00152322	chr15	65198005	ANKDD1A	0.719889	3.452225	0.000701	0.604028
cg12126786	chr5	77656518	PDE8B	-0.29271	-3.46467	0.000671	0.597799
cg05736768	chr8	1.05E+08		0.391458	3.469259	0.000661	0.597099
cg23705224	chr15	48483948		0.448325	3.457596	0.000688	0.602338
cg19334406	chr11	1.26E+08		0.405102	3.456425	0.000691	0.602338

cg06338499	chr18	34854300		0.368052	3.462085	0.000677	0.597799
cg10046671	chr1	956299		-0.22317	-3.47753	0.000642	0.596331
cg11560374	chr15	55790446		0.359662	3.464333	0.000672	0.597799
cg06357305	chr20	48183673		-0.45413	-3.46877	0.000662	0.597099
cg05726432	chr17	79317944		-0.28433	-3.45807	0.000687	0.602338
cg02059315	chr16	3989432	PKMYT1;ENSG00000272079	0.40548	3.455932	0.000692	0.602338
cg26943378	chr22	50689804		0.187147	3.462796	0.000676	0.597799
cg14181169	chr14	36003074		0.299412	3.460619	0.000681	0.598724
cg01245787	chr4	71859630		-0.45722	-3.4679	0.000664	0.597099
cg20985560	chr4	1409174		0.496871	3.461659	0.000678	0.597799
cg18527971	chr2	1.78E+08		-0.54766	-3.45206	0.000701	0.604028
cg10127490	chr3	15563072	ANKRD28;FGD5	0.378721	3.463753	0.000673	0.597799
cg03826430	chr10	1.35E+08		-0.3246	-3.44603	0.000716	0.604028
cg00874558	chr8	2021720	CSMD1	0.419103	3.471088	0.000656	0.597099
cg23345300	chr2	1.77E+08		0.435723	3.452825	0.000699	0.604028
cg15240990	chr19	10959157		0.463003	3.446101	0.000716	0.604028
cg04398526	chr16	1035197		-0.58394	-3.4447	0.000719	0.604028
cg03974889	chr1	91192162		0.383619	3.448906	0.000709	0.604028
cg02076785	chr2	98963582		0.528491	3.480638	0.000635	0.596331
cg26333837	chr10	71332744		0.333447	3.449999	0.000706	0.604028
cg13451548	chr9	98545297		0.364684	3.466788	0.000666	0.597099
cg13392078	chr9	36036514		0.825807	3.437098	0.000738	0.604028
cg03062196	chr1	64934334		0.596939	3.45029	0.000706	0.604028
cg04722605	chr1	1.17E+08		-0.33273	-3.44918	0.000708	0.604028

cg18709349	chr19	46999274	SNRPD2;HIF3A	-0.41078	-3.44132	0.000728	0.604028
cg01214458	chr22	28193996	PITPNB	0.511662	3.450994	0.000704	0.604028
cg11385938	chr7	6432590	RAC1	-0.48923	-3.43597	0.000741	0.604028
cg19194448	chr2	1.79E+08		-0.39937	-3.43131	0.000753	0.604028
cg13676763	chr9	1.29E+08	SLC2A8	0.359182	3.432512	0.00075	0.604028
cg15931921	chr6	1.71E+08		-0.70811	-3.44294	0.000724	0.604028
cg09262732	chr7	1E+08		-0.37036	-3.46341	0.000674	0.597799
cg13051607	chr15	22956714		-0.34716	-3.44562	0.000717	0.604028
cg14089981	chr9	1.25E+08		-0.35831	-3.43342	0.000748	0.604028
cg11630989	chr16	1267866		-0.32771	-3.43796	0.000736	0.604028
cg05941924	chr12	1.08E+08		-0.39609	-3.43656	0.00074	0.604028
cg03669000	chr5	1556703		-0.39043	-3.43859	0.000735	0.604028
cg14244493	chr9	1.38E+08		-0.41838	-3.43124	0.000754	0.604028
cg14651249	chr9	1.35E+08		0.40145	3.445241	0.000718	0.604028
cg24286765	chr3	1.37E+08		0.430743	3.462289	0.000677	0.597799
cg24092307	chr3	1.46E+08		0.696167	3.432908	0.000749	0.604028
cg17648241	chr11	1.07E+08		-0.41887	-3.4314	0.000753	0.604028
cg09145053	chr16	84693437		-0.33413	-3.43297	0.000749	0.604028
cg27621514	chr8	2029571		-0.40854	-3.45066	0.000705	0.604028
cg19801256	chr5	52166469	ITGA2	-0.43517	-3.4276	0.000763	0.604028
cg16817826	chr3	62356323		0.399386	3.423436	0.000774	0.604028
cg25048100	chr6	1.68E+08		-0.38131	-3.43072	0.000755	0.604028
cg11879514	chr17	66287032		0.619826	3.431696	0.000752	0.604028
cg00436476	chr6	26240505		0.357498	3.419947	0.000783	0.604028
cg03735888	chr19	58951602		-0.31807	-3.43153	0.000753	0.604028

cg12758973	chr1	2.48E+08		0.740055	3.419136	0.000786	0.604028
cg14729456	chr17	27324244		-0.32209	-3.43022	0.000756	0.604028
cg09261262	chr10	88414554		-0.36898	-3.42774	0.000763	0.604028
cg12588200	chr13	41372722	MRPS31;OR7E36P;LINC00332;RGCC	0.562028	3.436554	0.00074	0.604028
cg24554147	chr5	1.61E+08		0.594606	3.424719	0.000771	0.604028
cg13560452	chr6	1.38E+08		0.402729	3.419508	0.000785	0.604028
cg03052962	chr21	44312871		-0.42006	-3.43226	0.000751	0.604028
cg25130385	chr9	1.36E+08		0.412091	3.422245	0.000777	0.604028
cg19437183	chr8	77585222		-0.54898	-3.42304	0.000775	0.604028
cg06858584	chr2	1.32E+08		-0.43445	-3.41943	0.000785	0.604028
cg17202735	chr12	78604453		-0.45445	-3.42228	0.000777	0.604028
cg17918830	chr19	10982064		-0.25634	-3.42368	0.000773	0.604028
cg09706021	chr6	33399109		0.415175	3.420584	0.000782	0.604028
cg06610849	chr19	58520847	ENSG00000176593	0.438315	3.416914	0.000792	0.604028
cg11761728	chr4	1.12E+08		0.226402	3.423252	0.000775	0.604028
cg02528400	chr8	2832078		0.473729	3.428024	0.000762	0.604028
cg21769969	chr6	1.08E+08		0.557145	3.41575	0.000795	0.604028
cg01463154	chr8	65491938		0.425034	3.415515	0.000795	0.604028
cg02788731	chr1	2.48E+08		-0.63018	-3.42108	0.00078	0.604028
cg03446165	chr16	3107168		-0.31685	-3.41903	0.000786	0.604028
cg05370136	chr19	36910116	LINC00665	0.45172	3.435061	0.000744	0.604028
cg09911585	chr19	38308749		0.418256	3.431759	0.000752	0.604028
cg08042258	chr9	1.03E+08		0.626801	3.403784	0.000828	0.604028
cg12649539	chr6	42111545		-0.41399	-3.41531	0.000796	0.604028

cg20891987	chr6	30295951		0.435171	3.416507	0.000793	0.604028
cg19131343	chr12	1.33E+08		0.350974	3.41537	0.000796	0.604028
cg25027699	chr12	1.01E+08		-0.505	-3.4233	0.000774	0.604028
cg21693883	chr21	47408455		-0.66043	-3.41925	0.000785	0.604028
cg20048599	chr12	6992923		-0.31964	-3.41371	0.0008	0.604028
cg07366660	chr22	45680498		0.36957	3.41771	0.000789	0.604028
cg04683824	chr16	34293670		0.557515	3.41055	0.000809	0.604028
cg19445588	chr12	1.17E+08		-0.35325	-3.41985	0.000784	0.604028
cg08985259	chr11	1.17E+08		0.485733	3.406146	0.000821	0.604028
cg01074584	chr8	41168072		0.473137	3.409265	0.000813	0.604028
cg26018685	chr12	46663660		0.573864	3.419138	0.000786	0.604028
cg09268963	chr14	64692302		-0.31203	-3.41046	0.000809	0.604028
cg24295405	chr19	1174407		-0.4767	-3.40081	0.000837	0.607113
cg04799664	chr16	57053850		-0.42139	-3.40467	0.000826	0.604028
cg06400334	chr16	71436020	ZNF19;HYDIN;MTSS1L;PMFBP1	-0.42351	-3.41189	0.000805	0.604028
cg08406348	chr2	75700566		-0.33185	-3.40531	0.000824	0.604028
cg18186327	chr1	38888789		-0.45487	-3.4113	0.000807	0.604028
cg09499856	chr5	41510325		0.552991	3.398347	0.000844	0.61067
cg23780110	chr2	26045244		0.626118	3.410005	0.000811	0.604028
cg13844899	chr7	1.05E+08	KMT2E	0.443434	3.423557	0.000774	0.604028
cg14216630	chr9	1.08E+08		-0.53571	-3.41081	0.000808	0.604028
cg11705167	chr10	86001364		-0.45737	-3.4056	0.000823	0.604028
cg08238794	chr19	581564		-0.28127	-3.41491	0.000797	0.604028
cg21383810	chr12	65515470		0.462928	3.416342	0.000793	0.604028

cg12928619	chr2	74648754		0.226222	3.423523	0.000774	0.604028
cg19354656	chr1	1.6E+08		0.349815	3.406987	0.000819	0.604028
cg12954267	chr6	33093109		-0.48156	-3.41297	0.000802	0.604028
cg27431671	chr11	72810801	FCHSD2	0.458679	3.412423	0.000804	0.604028
cg26120902	chr11	46765391	C11orf49	0.405233	3.394668	0.000854	0.61067
cg18004239	chr11	57283236		-0.25997	-3.39587	0.000851	0.61067
cg22432760	chr17	80829718		1.008809	3.405791	0.000822	0.604028
cg19081437	chr17	46655796	SKAP1;NXPH3	0.490015	3.406993	0.000819	0.604028
cg14725151	chr19	46930115	PNMAL2	0.401019	3.392005	0.000862	0.612974
cg11821439	chr7	29833650	ENSG00000196295;GGCT	0.53001	3.386564	0.000878	0.612974
cg00281837	chr2	2.32E+08		0.363223	3.404294	0.000827	0.604028
cg05895453	chr13	41768968		0.362058	3.422927	0.000775	0.604028
cg25860912	chr15	41169340		-0.31923	-3.40847	0.000815	0.604028
cg26700277	chr16	88495352		0.502575	3.393675	0.000857	0.611725
cg07846755	chr3	1.94E+08		-0.34013	-3.39787	0.000845	0.61067
cg16172408	chr7	88388622		0.502052	3.394699	0.000854	0.61067
cg09470142	chr2	1.91E+08		0.662563	3.396046	0.00085	0.61067
cg02795076	chr12	50505329		0.406474	3.410253	0.00081	0.604028
cg23237418	chr14	23790594		-0.40113	-3.40476	0.000825	0.604028
cg13595212	chr13	28369574		0.382804	3.402927	0.000831	0.604028
cg01878214	chr7	45145334	IGFBP3;PPIA;SNHG15	0.334152	3.389856	0.000869	0.612974
cg19747876	chr17	41467024	RPL27	-0.29721	-3.38404	0.000886	0.612974
cg09525994	chr12	48512905		-0.3086	-3.38881	0.000872	0.612974
cg00532455	chr2	1.49E+08		0.430691	3.416598	0.000793	0.604028

cg23659062	chr1	1.67E+08		0.33906	3.39563	0.000852	0.61067
cg10286983	chr6	24494717		0.437445	3.395575	0.000852	0.61067
cg20519525	chr17	73077622	GPRC5C;TSEN54	-0.36567	-3.38059	0.000896	0.612974
cg24394643	chr3	1.23E+08		0.389395	3.39651	0.000849	0.61067
cg13307718	chr11	85995223		-0.47362	-3.38334	0.000888	0.612974
cg07443717	chr3	1.29E+08		-0.47719	-3.387	0.000877	0.612974
cg21908344	chr17	17185060		0.472108	3.402792	0.000831	0.604028
cg26521404	chr7	27204981		0.804942	3.391606	0.000863	0.612974
cg13122377	chr19	57683687	PEG3;ZNF154;ZNF135;ZNF667-AS1;ZIK1;ZNF418;ZNF667;ZNF471;ZSCAN1;ZNF772;ZNF211;ZNF671;ZNF419;ZNF71;ZFP28;ZNF542	0.786926	3.38021	0.000898	0.612974
cg18842157	chr14	68825875		0.589536	3.378729	0.000902	0.614152
cg26147947	chr12	1.31E+08		0.48367	3.382708	0.00089	0.612974
cg02433139	chr10	346807		-0.39112	-3.38632	0.000879	0.612974
cg08046044	chr14	54419614	CDKN3	0.560055	3.385928	0.00088	0.612974
cg14016057	chr4	54975250		0.450508	3.380161	0.000898	0.612974
cg01540023	chr13	98950565		-0.30314	-3.39089	0.000865	0.612974
cg23989004	chr19	12624770		0.421609	3.385014	0.000883	0.612974
cg25668368	chr2	1.64E+08		-0.47796	-3.38165	0.000893	0.612974
cg12573033	chr13	95022023		-0.49528	-3.40479	0.000825	0.604028

cg12256688	chr12	1.31E+08		0.437709	3.371797	0.000924	0.617166
cg11155621	chr17	43238118		0.349887	3.378129	0.000904	0.614222
cg10755961	chr19	9785647		0.467319	3.403658	0.000828	0.604028
cg15505349	chr1	2.47E+08		0.198858	3.381171	0.000895	0.612974
cg11907797	chr5	1.41E+08		0.521968	3.381922	0.000892	0.612974
cg24792717	chr5	1.4E+08		0.940401	3.3715	0.000925	0.617166
cg00055603	chr1	48508839		-0.53683	-3.36807	0.000935	0.617166
cg24414788	chr10	8093298		0.380124	3.377695	0.000905	0.614222
cg13996395	chr18	77138860		0.435099	3.371592	0.000924	0.617166
cg10911913	chr17	33700817		-0.5198	-3.41356	0.000801	0.604028
cg20697251	chr19	5331734		-0.41332	-3.36949	0.000931	0.617166
cg13486833	chr15	71507300		0.508837	3.390399	0.000867	0.612974
cg13338877	chr6	29974531		-0.34374	-3.37866	0.000902	0.614152
cg26674943	chr15	76627788		0.386907	3.376338	0.00091	0.614845
cg24572153	chr13	21047387		0.366285	3.368443	0.000934	0.617166
cg11240495	chr12	1.1E+08		0.446641	3.385431	0.000882	0.612974
cg23478098	chr5	87972122		0.408002	3.367862	0.000936	0.617166
cg04700828	chr11	65773979	PELI3	0.413291	3.361174	0.000958	0.618054
cg10947408	chr10	77155404		0.741616	3.367346	0.000938	0.617166
cg01462744	chr6	30457252		-0.38623	-3.36783	0.000936	0.617166
cg14194875	chr10	1.31E+08		0.278482	3.38447	0.000885	0.612974
cg13482308	chr9	37002685		0.436235	3.370282	0.000928	0.617166
cg02949572	chr4	26065071		0.264441	3.365972	0.000942	0.617166
cg13955572	chr9	15422376		-0.36163	-3.38832	0.000873	0.612974
cg02873991	chr12	25151263		0.421898	3.376435	0.000909	0.614845

cg06132324	chr6	43544046		-0.48253	-3.35897	0.000965	0.618271
cg04247829	chr1	38218080		0.31597	3.387394	0.000876	0.612974
cg18713168	chr3	45883381		0.234401	3.381151	0.000895	0.612974
cg07952011	chr1	36395998		-0.25859	-3.36652	0.00094	0.617166
cg06415582	chr4	87515299		-0.27055	-3.38356	0.000887	0.612974
cg03559389	chr10	679322	DIP2C	0.803045	3.364475	0.000947	0.617166
cg09900085	chr19	6361967	ZNF557	0.375925	3.363777	0.000949	0.617166
cg00894352	chr5	269864		-0.35691	-3.36541	0.000944	0.617166
cg07346931	chr12	49743523		-0.39182	-3.36923	0.000932	0.617166
cg10492801	chr17	59476859		-0.26789	-3.36306	0.000952	0.617166
cg25770340	chr6	1.47E+08		0.43034	3.375538	0.000912	0.614845
cg23245009	chr10	725706		-0.41706	-3.36058	0.00096	0.618054
cg05854217	chr2	1595819		0.350734	3.353859	0.000982	0.618753
cg00021325	chr14	91294412		0.476244	3.369719	0.00093	0.617166
cg05627522	chr15	75251581		0.443225	3.359525	0.000963	0.618054
cg14551503	chr6	1.69E+08		-0.31477	-3.36734	0.000938	0.617166
cg07386898	chr15	83315627		0.431704	3.355577	0.000976	0.618753
cg12864185	chr1	2.4E+08		0.550308	3.357762	0.000969	0.618703
cg04652943	chr2	3750565		0.491043	3.375061	0.000913	0.614876
cg18527276	chr10	1.34E+08		0.786612	3.386329	0.000879	0.612974
cg03490759	chr14	1E+08		0.527764	3.36334	0.000951	0.617166
cg01959716	chr6	1.67E+08	RPS6KA2-IT1	0.378183	3.375697	0.000912	0.614845
cg18519988	chr7	30491309		-0.46973	-3.34524	0.001011	0.621737
cg01373721	chr10	51623735		-0.22214	-3.36529	0.000944	0.617166
cg09523275	chr6	28227093	PGBD1	0.488762	3.367074	0.000939	0.617166

cg03760035	chr21	32624306		-0.47089	-3.35641	0.000973	0.618753
cg01997884	chr2	2.25E+08	SERPINE2	-0.70987	-3.36341	0.00095	0.617166
cg08165221	chr2	5833017		0.601796	3.358515	0.000966	0.618306
cg00809863	chr1	15251881		-0.43926	-3.36508	0.000945	0.617166
cg12484411	chr8	1.1E+08		-0.42127	-3.3536	0.000983	0.618753
cg15084543	chr1	79472408	IFI44	0.717542	3.359519	0.000963	0.618054
cg11194108	chr1	2.15E+08		-0.40444	-3.36183	0.000955	0.618054
cg03992830	chr16	67681065	RLTPR;NFATC3;ESRP2;SLC12A4	-0.50262	-3.35512	0.000978	0.618753
cg25799879	chr8	27099930		0.380827	3.352616	0.000986	0.618753
cg18232828	chr1	10846092		-0.50035	-3.35744	0.00097	0.618703
cg15934804	chr7	2672400		0.32236	3.343676	0.001016	0.621737
cg21106407	chr14	57262177	TMEM260	0.609182	3.359832	0.000962	0.618054
cg05612904	chr1	1.01E+08		-0.33333	-3.35415	0.000981	0.618753
cg22615255	chr10	1.01E+08		-0.34459	-3.35469	0.000979	0.618753
cg05053562	chr2	73429308	ALMS1	0.408739	3.34911	0.000998	0.621737
cg05664317	chr4	3650474		0.411846	3.352782	0.000985	0.618753
cg14368247	chr9	1.37E+08		-0.3374	-3.34568	0.001009	0.621737
cg03745160	chr19	17393902	BST2;IL12RB1;JAK3;FCHO1;ENSG00000267275	-0.47864	-3.34424	0.001014	0.621737
cg26816564	chr1	7831052		0.438156	3.346827	0.001005	0.621737
cg01754037	chr8	99077049		-0.26279	-3.35288	0.000985	0.618753
cg10756647	chr7	56101905		0.317201	3.344526	0.001013	0.621737
cg21096050	chr4	85502665		0.339117	3.350089	0.000994	0.621737

cg11695266	chr7	1.57E+08		0.423697	3.354889	0.000978	0.618753
cg21249152	chr13	23501457		0.474864	3.346413	0.001007	0.621737
cg21142398	chr1	54200078		-0.3456	-3.34979	0.000995	0.621737
cg16956031	chr18	3451545		-0.19979	-3.36026	0.000961	0.618054
cg15335104	chr12	1.33E+08		-0.36668	-3.33632	0.001042	0.623779
cg25578967	chr7	25018440		-0.39685	-3.34444	0.001013	0.621737
cg18064842	chr5	14874549		-0.46626	-3.34442	0.001014	0.621737
cg16613240	chr6	10099623		0.566048	3.342302	0.001021	0.621737
cg05613447	chr10	95327305		0.623498	3.338863	0.001033	0.621737
cg02506421	chr3	49145923		0.446006	3.33244	0.001055	0.624627
cg09522056	chr16	31830979		0.548742	3.329284	0.001067	0.62563
cg18763536	chr12	11812062	MANSC1;CREBL2;ETV6	0.299956	3.351387	0.00099	0.620422
cg13300630	chr3	78756422		-0.41999	-3.34055	0.001027	0.621737
cg14582100	chr15	45693742	SLC28A2;SPATA5L1;GATM	0.650515	3.340276	0.001028	0.621737
cg05170326	chr12	7125723		0.277261	3.345103	0.001011	0.621737
cg07400057	chr11	7111072		1.171877	3.331883	0.001057	0.624627
cg21938179	chr3	1.04E+08		-0.47307	-3.33137	0.001059	0.624627
cg09300604	chr13	1.14E+08		0.552812	3.342578	0.00102	0.621737
cg16785077	chr21	42791867		0.32667	3.341141	0.001025	0.621737
cg08364956	chr5	1.78E+08		-0.38123	-3.34442	0.001014	0.621737
cg11988733	chr2	1.77E+08		-0.37412	-3.33828	0.001035	0.622086
cg07755343	chr16	1712697		-0.38701	-3.33048	0.001062	0.624627
cg19091621	chr5	1.76E+08		0.480526	3.32278	0.00109	0.62563
cg12349300	chr10	23460646		0.340757	3.335357	0.001045	0.624627

cg21238414	chr2	97426921		0.229255	3.339467	0.001031	0.621737
cg14867604	chr14	1E+08		-0.22275	-3.33471	0.001047	0.624627
cg26230674	chr19	17982925	ENSG00000269640	0.33243	3.34675	0.001006	0.621737
cg21837826	chr1	1.8E+08		-0.46117	-3.32642	0.001077	0.62563
cg10880006	chr4	81122687	PRDM8	0.546072	3.333878	0.00105	0.624627
cg06976634	chr11	886709	ANO9	-0.42845	-3.32729	0.001074	0.62563
cg03529744	chr12	9600884	CLEC2B	-0.24273	-3.33949	0.001031	0.621737
cg23939610	chr19	40362773		-0.55461	-3.32625	0.001078	0.62563
cg21008363	chr7	75053134		0.28076	3.330799	0.001061	0.624627
cg25480418	chr2	88583785		0.493287	3.331679	0.001058	0.624627
cg04866380	chr7	31725973		-0.36152	-3.32097	0.001097	0.62563
cg17272642	chr11	1.25E+08		0.303541	3.318408	0.001106	0.62563
cg16761752	chr17	38474378		0.247186	3.333362	0.001052	0.624627
cg26422177	chr8	1.07E+08		-0.36863	-3.34299	0.001018	0.621737
cg10164738	chr15	87667552		-0.49637	-3.32497	0.001082	0.62563
cg00492055	chr3	1.38E+08	MRAS	0.528704	3.336228	0.001042	0.623779
cg15644604	chr19	15443264		-0.24006	-3.33742	0.001038	0.623012
cg12709556	chr7	1E+08		-0.23459	-3.3268	0.001076	0.62563
cg11187427	chr7	73082056		-0.23124	-3.33235	0.001056	0.624627
cg26132774	chr13	79170146		0.496029	3.318855	0.001105	0.62563
cg00049502	chr12	1.12E+08		-0.31594	-3.34035	0.001028	0.621737
cg21674835	chr2	2.39E+08		-0.31451	-3.32005	0.0011	0.62563
cg04372120	chr8	1.43E+08	ENSG00000271959	0.437863	3.31201	0.00113	0.626609
cg09662201	chr15	39371335		0.399942	3.32477	0.001083	0.62563
cg19461519	chr14	1E+08		0.454923	3.320106	0.0011	0.62563

cg15554505	chr19	22123728		-0.3694	-3.33058	0.001062	0.624627
cg18347423	chr19	4723614		0.223641	3.326232	0.001078	0.62563
cg02263539	chr3	1.87E+08	EIF4A2	-0.2959	-3.33897	0.001032	0.621737
cg10369688	chr19	39898283	MAP4K1;PLEKHG2	-0.29341	-3.3128	0.001127	0.626609
cg00291054	chr16	81073839		0.395506	3.328061	0.001071	0.62563
cg25735294	chr3	1.86E+08	ENSG00000171658	-0.66428	-3.32239	0.001092	0.62563
cg08109815	chr6	1.42E+08		0.530981	3.316617	0.001113	0.62563
cg14661959	chr1	1.52E+08		0.534735	3.31962	0.001102	0.62563
cg20893464	chr4	1.55E+08		0.213092	3.323984	0.001086	0.62563
cg20456258	chr4	962124	DGKQ;LETM1	0.835747	3.310523	0.001136	0.626609
cg00553619	chr17	292816		0.379064	3.316026	0.001115	0.62563
cg14222307	chr15	61097246		-0.45339	-3.31914	0.001104	0.62563
cg25805026	chr7	92617198		-0.4072	-3.3167	0.001113	0.62563
cg13920784	chr6	52900225		-0.44868	-3.3237	0.001087	0.62563
cg09682330	chr6	28411287		0.297518	3.3221	0.001093	0.62563
cg12271587	chr9	1.35E+08		0.36329	3.321061	0.001097	0.62563
cg22186291	chr11	1.3E+08	TMEM45B;ARHGAP32;BARX2;SNX19;ENSG00002072412	0.641109	3.331308	0.001059	0.624627
cg21525176	chr5	77906752	TBCA	-0.36127	-3.31147	0.001133	0.626609
cg05371005	chr6	7389895		0.265845	3.314021	0.001123	0.626609
cg23309969	chr18	56529866		0.395612	3.317538	0.00111	0.62563
cg02367144	chr2	2.37E+08		0.576116	3.303286	0.001164	0.632984
cg22053042	chr19	50119262		0.344976	3.325171	0.001082	0.62563

cg22751848	chr7	1.59E+08		-0.34357	-3.31102	0.001134	0.626609
cg05164396	chr7	2154026		0.361213	3.314286	0.001122	0.626609
cg09387229	chr14	47120507		-0.40097	-3.31061	0.001136	0.626609
cg12755477	chr20	36156813	SNORA71D	-0.21807	-3.33991	0.001029	0.621737
cg25397945	chr19	37096148	ZFP82;ZNF382	0.813395	3.31688	0.001112	0.62563
cg24677268	chr2	61764011		0.48177	3.303207	0.001164	0.632984
cg07388700	chr1	10020901		-0.40087	-3.30305	0.001165	0.632984
cg23540020	chr7	1.59E+08		0.463181	3.312531	0.001129	0.626609
cg26776742	chr6	1.17E+08		0.175792	3.307158	0.001149	0.629658
cg25123225	chr4	39063859		-0.42882	-3.32508	0.001082	0.62563
cg04414518	chr8	1.01E+08		-0.52562	-3.31463	0.001121	0.626609
cg25450335	chr5	1.35E+08		-0.31925	-3.30336	0.001164	0.632984
cg18153816	chr10	1.03E+08		0.243577	3.317746	0.001109	0.62563
cg05845615	chr10	35606672		0.25994	3.323263	0.001089	0.62563
cg26367197	chr18	76307273		-0.4855	-3.3124	0.001129	0.626609
cg20382867	chr2	12310085		-0.52513	-3.31613	0.001115	0.62563
cg16918989	chr17	8869213	PIK3R5	0.311281	3.339158	0.001032	0.621737
cg13744481	chr3	8308781		-0.63115	-3.30878	0.001143	0.627857
cg07820868	chr1	1.2E+08		0.374515	3.304951	0.001158	0.632984
cg07302910	chr10	1.19E+08		0.386592	3.321077	0.001097	0.62563
cg26962778	chr5	1.41E+08		0.385757	3.298787	0.001182	0.637751
cg15570432	chr20	30460881		-0.36873	-3.31173	0.001132	0.626609
cg05906871	chr10	97416826		0.325427	3.309265	0.001141	0.627857
cg14156405	chr1	2.42E+08		0.40447	3.308809	0.001143	0.627857
cg12861945	chr4	1.66E+08		0.415611	3.308038	0.001146	0.628609

cg04859757	chr17	47021964		-0.35774	-3.31804	0.001108	0.62563
cg26067361	chr8	38010768		-0.27271	-3.29582	0.001194	0.637751
cg06704093	chr10	1.1E+08		0.832391	3.294972	0.001197	0.637751
cg15783935	chr6	34495054		0.229421	3.300243	0.001176	0.637065
cg19590914	chr19	8028642	CD209	0.446421	3.30292	0.001165	0.632984
cg01447498	chr1	2.32E+08		-0.32114	-3.29889	0.001181	0.637751
cg10927719	chr10	44880819		0.404983	3.290297	0.001216	0.638382
cg00138926	chr2	11118414	CYS1;KLF11	0.450388	3.300291	0.001176	0.637065
cg14051147	chr6	33539394	HLA-DPB1;RPS18;HLA-DMB;SYNGAP1	0.30968	3.292993	0.001205	0.637751
cg07167632	chr11	67269440		-0.34492	-3.29484	0.001197	0.637751
cg04539155	chr12	1.22E+08		-0.29295	-3.28534	0.001236	0.641157
cg11774227	chr14	23564985		-0.46449	-3.30324	0.001164	0.632984
cg01845427	chr6	1.47E+08		-0.38463	-3.31093	0.001135	0.626609
cg15818005	chr2	1.39E+08		0.535861	3.294257	0.0012	0.637751
cg26882224	chr15	89386800		-0.77065	-3.28046	0.001256	0.644326
cg20645729	chr17	66194433		0.336447	3.295541	0.001195	0.637751
cg05185040	chr8	41425077		0.352123	3.295985	0.001193	0.637751
cg05249393	chr19	11199883		0.577689	3.290526	0.001215	0.638382
cg15911859	chr22	45810043		0.559678	3.2863	0.001232	0.640663
cg26427908	chr5	1225074	ENSG00000271781	-0.34745	-3.29826	0.001184	0.637751
cg05112555	chr17	71739385		0.414078	3.293845	0.001201	0.637751
cg07871590	chr7	1.28E+08		-0.33172	-3.29216	0.001208	0.637751
cg27301649	chr3	1.3E+08		-0.71681	-3.29037	0.001215	0.638382

cg03474795	chr5	1.76E+08		-0.35691	-3.29207	0.001209	0.637751
cg10993470	chr8	55533939		0.75757	3.29209	0.001208	0.637751
cg27518631	chr16	2846005	ABCA3;PRSS22;CCNF;PKMYT1;KCTD5;IL32	-0.4705	-3.29409	0.0012	0.637751
cg19036219	chr19	40502760	ZNF546	-0.25596	-3.29562	0.001194	0.637751
cg25505974	chr21	33984651		-0.31005	-3.27628	0.001274	0.646693
cg01386424	chr6	1E+08		0.39013	3.2781	0.001266	0.644326
cg18377512	chr20	55101089		0.346633	3.283031	0.001246	0.643771
cg03879291	chr3	43132552	CCDC13;CCDC13-AS1;HHATL-AS1;POMGNT2;HHATL;ZBTB47;SEC22C	0.584153	3.291396	0.001211	0.638382
cg09253287	chr17	46985714		0.227773	3.281544	0.001252	0.644326
cg27166661	chr10	1.15E+08		-0.19997	-3.29271	0.001206	0.637751
cg09769542	chr16	52582262	ENSG00000260057;TOX3;RBL2	0.613954	3.316146	0.001115	0.62563
cg14212266	chr15	68346341		0.205693	3.286917	0.00123	0.640483
cg14602471	chr19	44405998	ZNF404;ZNF229	0.488605	3.288408	0.001223	0.639758
cg05924537	chr3	1.7E+08	GPR160;ACTRT3	0.473375	3.288867	0.001222	0.639758
cg23744182	chr6	28494196		0.397231	3.288888	0.001221	0.639758
cg16403860	chr21	34394412		0.360948	3.277125	0.00127	0.645636
cg03894119	chr7	57247873		-0.47438	-3.28675	0.00123	0.640483
cg03388848	chr6	1.64E+08		0.464835	3.278092	0.001266	0.644326
cg25214924	chr6	1.64E+08		-0.38568	-3.28406	0.001241	0.642353

cg27207881	chr4	1864134		-0.78769	-3.28216	0.001249	0.644326
cg03770703	chr1	1.83E+08		0.385705	3.27447	0.001282	0.647641
cg15996816	chr5	1.11E+08		-0.36506	-3.28545	0.001236	0.641157
cg05946692	chr1	1.14E+08	SLC16A1	-0.29913	-3.2986	0.001182	0.637751
cg24877885	chr1	44063475		0.488138	3.27836	0.001265	0.644326
cg03711348	chr7	22862508		-0.24464	-3.2737	0.001285	0.647641
cg00409049	chr2	1.19E+08		0.582405	3.28064	0.001256	0.644326
cg18730746	chr3	51705912		-0.19987	-3.27022	0.0013	0.650577
cg07987697	chr2	1.32E+08		-0.29812	-3.28818	0.001224	0.639758
cg12030941	chr4	1558628		-0.35008	-3.28115	0.001253	0.644326
cg27396583	chr16	30960343		-0.24966	-3.27056	0.001298	0.650577
cg05397812	chr11	14994847		0.340333	3.287695	0.001226	0.640022
cg10986864	chr15	74988803		0.422784	3.28148	0.001252	0.644326
cg09341491	chr16	50707795	ADCY7	0.398295	3.294716	0.001198	0.637751
cg22538871	chr19	1326119		-0.47633	-3.27407	0.001283	0.647641
cg03224013	chr14	1.06E+08		-0.41849	-3.27181	0.001293	0.649121
cg20592940	chr17	933155		1.020572	3.265071	0.001322	0.654582
cg22788465	chr5	1.31E+08		-0.3721	-3.27985	0.001259	0.644326
cg10100256	chr8	1.44E+08		-0.33315	-3.26678	0.001315	0.654582
cg24909548	chr19	36736272		0.436896	3.26501	0.001323	0.654582
cg17776324	chr12	9903429		0.478753	3.264824	0.001323	0.654582
cg12777474	chr10	4069749		-0.43349	-3.29471	0.001198	0.637751
cg22021975	chr6	30953064		-0.39221	-3.26511	0.001322	0.654582
cg20225681	chr15	65503447		-0.27529	-3.26941	0.001303	0.651575
cg12392519	chr17	47308867	FAM117A	0.323485	3.274391	0.001282	0.647641

cg19172170	chr11	20627781		0.480942	3.260855	0.001341	0.655782
cg05923197	chr14	54418804		0.435969	3.273979	0.001284	0.647641
cg14181459	chr5	1.35E+08		0.402864	3.266265	0.001317	0.654582
cg09470274	chr6	28584057		0.478428	3.272499	0.00129	0.649121
cg22097891	chr4	4405946		0.650432	3.258896	0.00135	0.657241
cg16854200	chr12	5603261		0.39929	3.278253	0.001266	0.644326
cg16581532	chr11	66445312	CD248;RBM4;AIP	-0.23488	-3.26356	0.001329	0.655173
cg07656641	chr22	50018876		-0.3352	-3.26119	0.001339	0.655782
cg22750845	chr17	80966690		0.387901	3.274776	0.00128	0.647641
cg18301583	chr19	53635967	ZNF415	0.648843	3.261462	0.001338	0.655782
cg03748158	chr16	85670174		-0.30102	-3.26543	0.001321	0.654582
cg26265787	chr19	10491889		0.412904	3.262948	0.001332	0.655651
cg03616377	chr14	60386272		0.356678	3.294899	0.001197	0.637751
cg01388979	chr11	19388224		-0.40064	-3.2623	0.001335	0.655651
cg03889236	chr16	85845626		0.370769	3.26245	0.001334	0.655651
cg13899279	chr3	52030037	RNU6ATAC16P	-0.39197	-3.25301	0.001376	0.662446
cg12650252	chr11	77791508		-0.46897	-3.26615	0.001318	0.654582
ch.3.122624 5F	chr3	55731563		-0.50526	-3.28478	0.001238	0.641569
cg22066230	chr11	66034960		0.1887	3.272053	0.001292	0.649121
cg08188893	chr2	37600397		0.417419	3.264177	0.001326	0.654582
cg08890824	chr16	66958786	ENSG00000261386	0.328291	3.257446	0.001356	0.657638
cg19757261	chr10	44222463		-0.44561	-3.25672	0.001359	0.657759
cg18899035	chr14	20811563		0.459537	3.267297	0.001313	0.654582
cg16705481	chr1	36615026		-0.35686	-3.25186	0.001381	0.664217
cg03982537	chr11	64404325	BATF2	-0.3887	-3.24846	0.001397	0.665326

cg13996962	chr9	1.32E+08		-0.28804	-3.24881	0.001396	0.665326
cg24631360	chr3	1.12E+08	ZBED2;BTLA	0.291129	3.260135	0.001344	0.656599
cg02402587	chr10	27702774		0.386218	3.279471	0.00126	0.644326
cg05653714	chr3	1.84E+08		-0.38294	-3.24994	0.00139	0.665326
cg00232827	chr5	1.72E+08	SH3PXD2B	0.450937	3.254221	0.001371	0.66054
cg05996213	chr1	1.76E+08		0.556999	3.241332	0.00143	0.665872
cg22394663	chr2	2.38E+08		-0.38904	-3.2596	0.001347	0.65701
cg24517295	chr3	14641410		-0.53009	-3.2716	0.001294	0.649121
cg13434489	chr1	3189088	TTC34;MORN1;PRDM16	-0.60011	-3.24614	0.001408	0.665872
cg14840081	chr7	1.53E+08		0.381006	3.245131	0.001413	0.665872
cg19136371	chr6	40357140		-0.53736	-3.25726	0.001357	0.657638
cg13568348	chr2	54952346		0.349297	3.243421	0.001421	0.665872
cg22109370	chr17	77070546		-0.39788	-3.25039	0.001388	0.665326
cg25345102	chr20	31619420	C20orf203	-0.28581	-3.25831	0.001352	0.657241
cg09926046	chr11	1.17E+08		-0.30654	-3.24347	0.00142	0.665872
cg20957648	chr5	1.09E+08		-0.19076	-3.24877	0.001396	0.665326
cg15071854	chr1	45792688	TOE1	-0.25314	-3.26105	0.00134	0.655782
cg25903779	chr15	68128025		-0.35992	-3.2586	0.001351	0.657241
cg19568544	chr5	1.41E+08		0.54801	3.248317	0.001398	0.665326
cg13600494	chr10	1.35E+08		0.543442	3.240295	0.001435	0.665872
cg24018799	chr5	1.73E+08		-0.41116	-3.24426	0.001417	0.665872
cg19498228	chr19	36342725	ZFP14	0.301847	3.241885	0.001428	0.665872
cg08244301	chr19	17610751	NWD1;SSBP4;OCEL1;C19orf44	0.506999	3.249111	0.001394	0.665326

cg10734665	chr15	26107410	ATP10A;ENSG00000257647	0.503993	3.241429	0.00143	0.665872
cg02703563	chr10	91852861		-0.34808	-3.26424	0.001326	0.654582
cg14245228	chr9	1.36E+08	ENSG00000224992;SURF4	0.438287	3.249297	0.001393	0.665326
cg05673079	chr10	1.1E+08		-0.638	-3.23736	0.001449	0.666128
cg09136695	chr1	1.12E+08		-0.52276	-3.2401	0.001436	0.665872
cg22711111	chr6	30139979		0.408078	3.241498	0.00143	0.665872
cg12495591	chr2	2.41E+08		0.357037	3.258122	0.001353	0.657241
cg09713515	chr7	1.11E+08		0.303732	3.238638	0.001443	0.665872
cg16074228	chr6	74072261		0.657238	3.239883	0.001437	0.665872
cg14258154	chr1	52718499		0.593734	3.237063	0.001451	0.666128
cg15011622	chr7	36193062		0.295053	3.23962	0.001439	0.665872
cg27416721	chr15	25441636		-0.28327	-3.25498	0.001367	0.660359
cg03760839	chr1	1.2E+08		0.29161	3.244343	0.001416	0.665872
cg19021188	chr8	1.44E+08	MAPK15;FAM83H-AS1;RHPN1-AS1;BAI1;RHPN1;LY6H;ENSG00000254973;TOP1MT;PYCRL;ZNF623	0.486988	3.244859	0.001414	0.665872
cg23455785	chr1	2E+08		-0.47019	-3.24079	0.001433	0.665872
cg07759042	chr18	77193502		-0.56583	-3.24007	0.001436	0.665872
cg16574934	chr16	81931759		-0.39092	-3.24901	0.001395	0.665326
cg13718559	chr12	6383042	C1S	-0.30469	-3.23845	0.001444	0.665872
cg23972785	chr8	11611189	ENSG00000270154	-0.61529	-3.22942	0.001488	0.667687

cg02036259	chr16	88027502		0.394715	3.237029	0.001451	0.666128
cg11113469	chr7	96628963		0.623157	3.234691	0.001462	0.667184
cg08230177	chr5	72596822		0.434503	3.244466	0.001416	0.665872
cg06843871	chr2	2.43E+08		0.422049	3.228218	0.001494	0.667687
cg02793854	chr16	67867809		-0.25625	-3.24718	0.001403	0.665872
cg17737776	chr17	79122455		-0.4538	-3.25426	0.001371	0.66054
cg20090194	chr10	75401258	TTC18;DNAJC9-AS1;RNU6-833P;P4HA1	-0.29747	-3.24183	0.001428	0.665872
cg11661000	chr11	1413315		0.327745	3.243819	0.001419	0.665872
cg27172877	chr11	1.25E+08		-0.3354	-3.24071	0.001433	0.665872
cg00994394	chr1	86934607		-0.3848	-3.24282	0.001423	0.665872
cg07582047	chr11	65658459		0.24683	3.243594	0.00142	0.665872
cg23981116	chr5	1.67E+08		0.412891	3.231279	0.001479	0.667687
cg25732462	chr19	44324898	ZNF404	0.516755	3.234392	0.001464	0.667184
cg22186216	chr15	74637558	CYP11A1	-0.32387	-3.22794	0.001495	0.667687
cg20449685	chr19	58545728	ENSG00000176593;ZNF606;ZSCAN18	0.678988	3.238709	0.001443	0.665872
cg17104766	chr2	66617333		-0.6668	-3.23453	0.001463	0.667184
cg00406542	chr4	9500293		-0.53056	-3.22815	0.001494	0.667687
cg26918105	chr5	41928727		0.358478	3.234025	0.001465	0.667184
cg04572860	chr14	1.02E+08		-0.27404	-3.23556	0.001458	0.667184
cg05016051	chr16	30996447	DCTPP1;CD2BP2	-0.19186	-3.22024	0.001533	0.669166
cg25899961	chr7	1.52E+08		-0.33676	-3.25652	0.00136	0.657759
cg14457610	chr3	69171735		0.433214	3.225875	0.001505	0.667687

cg24653125	chr5	61708168		0.459439	3.240029	0.001437	0.665872
cg23251141	chr5	496464	SLC9A3;ENSG00000188242;CEP72	0.471042	3.2387	0.001443	0.665872
cg00595356	chr21	32931379		0.211959	3.236201	0.001455	0.667184
cg04255278	chr5	92918068		0.500293	3.224502	0.001512	0.667687
cg23610373	chr1	1.49E+08	HIST2H4B	0.496779	3.223947	0.001515	0.667687
cg27289662	chr15	28272656		-0.49837	-3.22392	0.001515	0.667687
cg14750948	chr3	1.47E+08		0.44771	3.235343	0.001459	0.667184
cg10803577	chr2	1.77E+08	HOXD-AS1;HOXD3	0.320107	3.237764	0.001447	0.666128
cg11609560	chr19	14231215		-0.32875	-3.2201	0.001534	0.669166
cg15877425	chr7	1.3E+08		-0.48023	-3.22546	0.001507	0.667687
cg09260773	chr1	1.2E+08		0.329455	3.218361	0.001543	0.669166
cg26159601	chr7	1248693		0.338988	3.231275	0.001479	0.667687
cg05204798	chr11	30607888		0.700152	3.22355	0.001517	0.667687
cg20921894	chr17	40203750		-0.2866	-3.21878	0.001541	0.669166
cg13316625	chr12	1.18E+08		0.467699	3.224784	0.001511	0.667687
cg27532938	chr4	1512248		-0.94999	-3.21317	0.001569	0.669409
cg15066967	chr2	2.37E+08	IQCA1;RAB17;COL6A3;COPS8;MLPH;ACKR3	0.592878	3.233954	0.001466	0.667184
cg11280661	chr3	61549475		-0.32533	-3.22558	0.001507	0.667687
cg14588682	chr12	68647289		-0.46181	-3.22707	0.001499	0.667687
cg02749105	chr19	58879056	ZNF135;ZNF550	0.632227	3.229377	0.001488	0.667687
cg23247274	chr13	21750649	SKA3	-0.77901	-3.27938	0.001261	0.644326
cg04249460	chr6	41040849		-0.23188	-3.22443	0.001512	0.667687

cg20982112	chr3	1.11E+08	ZBED2	0.328992	3.230766	0.001481	0.667687
cg15347156	chr10	88702795		0.766447	3.216798	0.001551	0.669166
cg01685549	chr6	33092097	HLA-DPA1	-0.38876	-3.22706	0.001499	0.667687
cg04569641	chr7	70765131		0.357477	3.226157	0.001504	0.667687
cg06495803	chr12	6553489	CD163L1;CLSTN3;CD27;C1S;C1R;C1RL-AS1;RBP5;IFFO1;C1RL;TAPBPL	0.40324	3.218124	0.001544	0.669166
cg15055817	chr3	1.86E+08	LIPH	0.535606	3.213755	0.001566	0.669166
cg18839637	chr5	1.41E+08	DIAPH1;WDR55	0.468455	3.225112	0.001509	0.667687
cg18307912	chr17	42856773		0.284871	3.215092	0.00156	0.669166
cg25418363	chr11	1.21E+08	ENSG00000255248	-0.55231	-3.22972	0.001486	0.667687
cg23363981	chr12	8185344		0.304916	3.218157	0.001544	0.669166
cg18845417	chr2	95745976		-0.35554	-3.2151	0.00156	0.669166
cg13386070	chr1	1.75E+08		-0.42869	-3.22038	0.001533	0.669166
cg10496560	chr6	30640525		-0.22534	-3.2207	0.001531	0.669166
cg09381666	chr16	88757816		-1.07325	-3.21409	0.001565	0.669166
cg26549185	chr6	1.37E+08		-0.59752	-3.22701	0.0015	0.667687
cg08160224	chr11	62248459	PPP1R32;MYRF;MTA2	0.494492	3.222786	0.001521	0.66799
cg04776122	chr22	40441809		0.334517	3.224724	0.001511	0.667687
cg14473485	chr6	37605107	FGD2	-0.34579	-3.22617	0.001504	0.667687
cg05501868	chr3	64516087		0.572496	3.216249	0.001554	0.669166
cg09237133	chr17	80278914		0.526161	3.21444	0.001563	0.669166
cg18784903	chr7	1337353		0.330511	3.226174	0.001504	0.667687

cg27432085	chr1	11958572		0.529632	3.223	0.00152	0.66799
cg07613945	chr5	1.41E+08		0.541532	3.215076	0.00156	0.669166
cg18609078	chr4	13538807		0.373926	3.216148	0.001554	0.669166
cg15841865	chr7	1.43E+08		-0.44872	-3.21678	0.001551	0.669166
cg03276956	chr6	30034558		0.449214	3.218422	0.001543	0.669166
cg00354258	chr19	57306738		0.536183	3.205557	0.001609	0.672139
cg04774914	chr12	50560863		-0.24202	-3.22367	0.001516	0.667687
cg00792966	chr6	21595983		0.300992	3.215556	0.001557	0.669166
cg27063012	chr19	36915447	ZFP14	-0.32364	-3.20761	0.001598	0.672108
cg06571090	chr8	62745100		0.318715	3.224329	0.001513	0.667687
cg27628707	chr15	31727289		-0.37734	-3.21659	0.001552	0.669166
cg22577438	chr12	57146359		0.349055	3.216874	0.00155	0.669166
cg19904265	chr1	3166712		-0.39649	-3.21635	0.001553	0.669166
cg15425280	chr4	1.58E+08		0.436502	3.226404	0.001503	0.667687
cg00906130	chr4	1.75E+08		-0.29034	-3.21151	0.001578	0.669409
cg22396979	chr8	1.44E+08	GPIHBP1	-0.40319	-3.21979	0.001536	0.669166
cg25642217	chr8	1.46E+08		-0.23232	-3.21102	0.001581	0.669409
cg07621456	chr3	1.29E+08		-0.29721	-3.21247	0.001573	0.669409
cg01695579	chr16	70571479		0.484167	3.199135	0.001643	0.675861
cg02744588	chr19	48823880	EHD2;RUVBL2	0.320075	3.212336	0.001574	0.669409
cg08918985	chr1	1.52E+08		-0.38602	-3.20442	0.001615	0.672139
cg01089838	chr16	88091471		0.337754	3.206649	0.001603	0.672139
cg27360300	chr18	12407130		-0.36992	-3.2266	0.001502	0.667687
cg24027100	chr19	36822549	ZFP82;LINC00665;ZNF382	0.576582	3.206431	0.001604	0.672139

cg03347934	chr5	1.32E+08		-0.69099	-3.21656	0.001552	0.669166
cg26132947	chr2	2.43E+08	ENSG00000237940	0.533064	3.208527	0.001594	0.672108
cg24122922	chr20	24449392		0.33846	3.219453	0.001537	0.669166
cg02586830	chr1	1.74E+08	ENSG00000203739	-0.26751	-3.21361	0.001567	0.669166
cg00997079	chr2	80529990		0.387944	3.204081	0.001617	0.672139
cg09250965	chr16	25708274		0.615998	3.202507	0.001625	0.672139
cg17560832	chr10	1.31E+08	MKI67	-0.42164	-3.20414	0.001617	0.672139
cg12501761	chr2	2.41E+08		-0.4872	-3.20891	0.001591	0.672108
cg26076884	chr2	1.19E+08		-0.17121	-3.21007	0.001585	0.670285
cg01443452	chr19	36024439		0.539115	3.210776	0.001582	0.669409
cg19558860	chr14	93582779	LGMN;UNC79	-0.25478	-3.20827	0.001595	0.672108
cg08625482	chr8	24855264		-0.35566	-3.2301	0.001484	0.667687
cg11594303	chr9	1.24E+08		-0.23292	-3.19773	0.001651	0.676414
cg23259375	chr6	26016732		0.51732	3.198609	0.001646	0.675874
cg21748201	chr5	1.54E+08		-0.43107	-3.20202	0.001628	0.672139
cg13934625	chr15	52472770	LYSMD2	0.404314	3.207441	0.001599	0.672108
cg25882591	chr17	405178		0.312173	3.195003	0.001666	0.678026
cg09949429	chr12	1.13E+08		-0.28746	-3.23023	0.001484	0.667687
cg26174326	chr6	26016674		0.598065	3.193726	0.001673	0.678893
cg06987936	chr6	74406097	MB21D1	-0.21144	-3.21083	0.001582	0.669409
cg01330815	chr1	2.05E+08		-0.35888	-3.20366	0.001619	0.672139
cg02055264	chr6	27210913		0.465302	3.207858	0.001597	0.672108
cg21845182	chr3	1.23E+08	CSTA	-0.44112	-3.19903	0.001644	0.675861
cg10137837	chr17	6926742		0.396991	3.211365	0.001579	0.669409
cg09761550	chr6	30879552		-0.23208	-3.20422	0.001616	0.672139

cg02318549	chr13	1.12E+08		-0.38976	-3.19602	0.00166	0.676427
cg14355482	chr21	22373039		-0.53643	-3.2147	0.001562	0.669166
cg06106599	chr11	70048801		0.547838	3.192852	0.001677	0.678926
cg07046369	chr10	1.03E+08		0.376323	3.205975	0.001607	0.672139
cg10538929	chr1	22149812	HSPG2;LDLRAD2;ZBTB40	-0.66659	-3.20177	0.001629	0.672139
cg13881619	chr9	1.3E+08	CERCAM;CDK9;SH2D3C;DNM1;FAM129B;ENG	-0.42345	-3.20261	0.001625	0.672139
cg10023272	chr1	1.11E+08		0.488111	3.196899	0.001655	0.676414
cg18008037	chr7	1.58E+08	ENSG00000231980	-0.38557	-3.19717	0.001654	0.676414
cg01638225	chr4	1202930	PDE6B	-0.61962	-3.21148	0.001578	0.669409
cg04411893	chr3	1.85E+08		0.334576	3.198909	0.001644	0.675861
cg20363838	chr12	1.32E+08		0.397146	3.193157	0.001676	0.678893
cg14219896	chr12	1.25E+08		-0.31762	-3.1933	0.001675	0.678893
cg07264401	chr16	1506482		-0.97646	-3.20375	0.001619	0.672139
cg11771402	chr17	27621314		0.418427	3.201439	0.001631	0.672229
cg01324507	chr7	1177794		-0.20848	-3.20495	0.001612	0.672139
cg20781516	chr1	2.01E+08		-0.325	-3.20195	0.001628	0.672139
cg06382344	chr2	1.62E+08		0.434406	3.194621	0.001668	0.678226
cg09380695	chr17	4689284		0.296664	3.202374	0.001626	0.672139
cg22495968	chr2	5622155		-0.51929	-3.19169	0.001684	0.680216
cg06154827	chr4	26649548		-0.30901	-3.19769	0.001651	0.676414
cg10204652	chr14	23495374	SLC22A17	0.367546	3.204492	0.001615	0.672139
cg17695512	chr11	55735459		0.415349	3.19691	0.001655	0.676414

cg05288172	chr8	1.04E+08		-0.52026	-3.19232	0.00168	0.67947
cg26266703	chr8	1.45E+08		-0.24319	-3.18103	0.001743	0.686752
cg09221932	chr1	87597830		0.362397	3.186548	0.001712	0.683015
cg27011620	chr12	94136156		0.279563	3.196111	0.00166	0.676427
cg18246262	chr8	9762100		0.325035	3.186095	0.001715	0.683015
cg24640561	chr13	1.09E+08		-0.34166	-3.18921	0.001697	0.681889
cg01389283	chr11	5539372	TRIM5;APBB1	-0.28414	-3.19343	0.001674	0.678893
cg24694675	chr1	76082066		-0.32644	-3.18379	0.001728	0.68471
cg26931990	chr16	1661230		0.266479	3.203318	0.001621	0.672139
cg00058296	chr1	2.38E+08		-0.48311	-3.18753	0.001707	0.683015
cg19042947	chr14	95027441		-0.35892	-3.18846	0.001702	0.682919
cg18856296	chr11	60609242	CD5;CD6;SDHAF2;MS4A1	0.337955	3.181722	0.001739	0.686752
cg10327168	chr1	44417664	ATP6V0B	-0.28881	-3.17642	0.00177	0.689499
cg03534647	chr14	74417040		0.238799	3.177136	0.001766	0.689162
cg04063045	chr2	71124531		0.331982	3.172808	0.001791	0.691805
cg19248256	chr11	76901188		-0.42256	-3.17844	0.001758	0.68782
cg22029297	chr1	26736798		0.317521	3.186346	0.001713	0.683015
cg12634591	chr2	1.77E+08	HOXD3;HOXD-AS1	0.407838	3.177435	0.001764	0.689121
cg03311684	chr10	1.19E+08		0.290285	3.178589	0.001757	0.68782
cg15224139	chr11	1.19E+08	ENSG00000254561;HYOU1	-0.24018	-3.18631	0.001714	0.683015
cg26000619	chr19	2251067		0.543957	3.178297	0.001759	0.68782
cg02443583	chr17	57970530		0.241143	3.189475	0.001696	0.681889

			ZNF542;PEG3;ZNF471;ZNF154;ZNF671;ZNF667;ZNF772;ZIK1;ZNF667-AS1				
cg22354595	chr19	57351440		0.29113	3.17573	0.001774	0.689801
cg23994043	chr2	2E+08		0.311713	3.185547	0.001718	0.683015
cg05400883	chr1	2.44E+08		-0.39044	-3.19606	0.00166	0.676427
cg12101354	chr11	20622652		0.463112	3.186602	0.001712	0.683015
cg15824864	chr17	77812175		0.420734	3.181119	0.001743	0.686752
cg08501533	chr10	12084975		0.184924	3.186981	0.00171	0.683015
cg12485992	chr17	3374971		0.32169	3.189667	0.001695	0.681889
cg11405544	chr13	1.13E+08		-0.35954	-3.19129	0.001686	0.680456
cg24039019	chr2	47169181		-0.40587	-3.18336	0.00173	0.68471
cg27306777	chr5	1.72E+08		-0.63717	-3.18409	0.001726	0.68471
cg23275840	chr4	47708675		-0.29947	-3.17085	0.001802	0.691921
cg07295586	chr8	1.43E+08		-0.36959	-3.18408	0.001726	0.68471
cg19192585	chr20	62948037		0.39074	3.174407	0.001781	0.691061
cg25426208	chr6	27198646		0.547266	3.181228	0.001742	0.686752
cg23674011	chr8	29706233		-0.41021	-3.17482	0.001779	0.691061
cg06060522	chr20	44782039		1.042508	3.179942	0.001749	0.68729
cg21337580	chr8	11141424	PRSS51	0.49655	3.187977	0.001704	0.683015
cg19827787	chr1	23763612		0.45125	3.185789	0.001716	0.683015
cg08530978	chr2	1.73E+08		-0.37535	-3.17433	0.001782	0.691061
cg04941278	chr12	3566096		-0.33873	-3.19041	0.001691	0.681781
cg03132911	chr5	75698732		-0.4184	-3.18978	0.001694	0.681889
cg18118262	chr5	1.41E+08		0.651611	3.167	0.001825	0.694207

cg16441919	chr17	1094029		-0.60522	-3.16888	0.001814	0.693335
cg05583240	chr12	1.05E+08		0.435779	3.179557	0.001752	0.68752
cg22161784	chr17	78337534	CCDC40;ENSG00000263069;ENDOV;EIF4A3	0.331904	3.164977	0.001837	0.694207
cg01477835	chr4	87989696		0.766166	3.171343	0.001799	0.691921
cg19442138	chr10	21783344		0.42842	3.180659	0.001745	0.68695
cg27569034	chr1	1.53E+08	JTB	-0.45459	-3.1737	0.001785	0.691671
cg27524515	chr8	38239417		-0.50218	-3.17188	0.001796	0.691921
ch.3.23997726R	chr3	1.23E+08		-0.5307	-3.16557	0.001833	0.694207
cg05992340	chr5	58882243		-0.36601	-3.18194	0.001738	0.686752
cg13718539	chr5	1.41E+08		0.433331	3.163059	0.001848	0.694207
cg21946667	chr17	40839643	ENSG00000267221	0.333574	3.173501	0.001787	0.691671
cg02635592	chr3	98376574		0.650068	3.176413	0.00177	0.689499
cg10487221	chr20	60119551		-0.41109	-3.16303	0.001848	0.694207
cg19801921	chr1	63784864		0.494443	3.163572	0.001845	0.694207
cg01300641	chr10	2960614		-0.43413	-3.16235	0.001852	0.695024
cg15708153	chr19	56879554	ZNF542;ZNF667-AS1;ZNF471	0.451804	3.163949	0.001843	0.694207
cg21842262	chr14	1.04E+08		-0.38501	-3.17062	0.001803	0.691921
cg18927255	chr14	91977255		0.198126	3.172607	0.001792	0.691805
cg10944097	chr13	25691517		0.344453	3.158066	0.001878	0.695024
cg21529477	chr11	1892092	LSP1;C11orf89;C11orf21;TSPAN32	0.395708	3.157502	0.001882	0.695024
cg14653390	chr1	2930315		-0.37685	-3.17134	0.001799	0.691921

cg00458890	chr13	27333986		0.667608	3.165261	0.001835	0.694207
cg08571229	chr10	74927769		-0.35994	-3.18339	0.00173	0.68471
cg13258655	chr1	45244184		-0.33033	-3.16405	0.001842	0.694207
cg23799440	chr1	2.47E+08		0.518099	3.158156	0.001878	0.695024
cg18172186	chr6	1.31E+08		0.36213	3.166594	0.001827	0.694207
cg06397424	chr16	15737279		-0.35114	-3.17284	0.00179	0.691805
cg13555689	chr14	1.01E+08		-0.53844	-3.1567	0.001887	0.695024
cg27517282	chr7	28476022	CREB5	0.357587	3.179973	0.001749	0.68729
cg01975957	chr1	1.53E+08		-0.39698	-3.15423	0.001902	0.695349
cg08595182	chr15	89010613		0.246668	3.165433	0.001834	0.694207
cg04200643	chr14	24605215		-0.19479	-3.16405	0.001842	0.694207
cg22293500	chr3	1.87E+08		-0.40183	-3.16486	0.001837	0.694207
cg09699193	chr5	9457024	ROPN1L;MARCH6;SEMA5A;ENSG00000272417;FAM173B	-0.3758	-3.17908	0.001754	0.68782
cg12533010	chr14	58711667		-0.50653	-3.16609	0.00183	0.694207
cg13462909	chr9	1.19E+08		-0.35959	-3.15869	0.001875	0.695024
cg04876407	chr2	1.35E+08		-0.38969	-3.15547	0.001894	0.695349
cg01793042	chr12	1.17E+08		-0.4511	-3.16407	0.001842	0.694207
cg12045875	chr6	74104594	DDX43	1.037762	3.15844	0.001876	0.695024
cg00210204	chr6	10748101		-0.23486	-3.1482	0.001939	0.695349
cg26834043	chr5	1.08E+08		-0.51762	-3.15642	0.001888	0.695024
cg04062965	chr2	2.19E+08		-0.24084	-3.14936	0.001932	0.695349
cg17471779	chr2	2.33E+08		-0.30965	-3.16971	0.001809	0.692449

cg24427895	chr11	20230313		0.497767	3.151539	0.001918	0.695349
cg11932961	chr4	1.3E+08		-0.31929	-3.17016	0.001806	0.692327
cg23365071	chr16	30793845		0.285608	3.156228	0.001889	0.695024
cg27331495	chr5	1.18E+08		0.448303	3.171199	0.0018	0.691921
cg18055075	chr5	1.15E+08		-0.36651	-3.15369	0.001905	0.695349
cg10159432	chr10	1.35E+08		-0.45378	-3.16196	0.001855	0.695024
cg00758584	chr1	40254741		-0.2357	-3.16085	0.001861	0.695024
cg11166106	chr2	2.2E+08		-0.20835	-3.14905	0.001934	0.695349
cg27146001	chr21	45786615		-0.34799	-3.16774	0.00182	0.694207
cg09289005	chr10	1.33E+08	GLRX3	-0.37002	-3.16955	0.00181	0.692449
cg02728651	chr5	79251870		-0.52179	-3.15489	0.001898	0.695349
cg13936261	chr15	91642911		0.312668	3.15457	0.0019	0.695349
cg01391681	chr7	1.42E+08		-0.26412	-3.15267	0.001911	0.695349
cg04031757	chr6	28793329		-0.25164	-3.15471	0.001899	0.695349
cg10622536	chr1	36771021	MRPS15;PSMB2;AGO3;CLSPN;TRAPPC3	-0.43701	-3.17614	0.001771	0.689499
cg12962191	chr5	1.4E+08		0.687211	3.158975	0.001873	0.695024
cg02739850	chr15	86380880		-0.4344	-3.14953	0.001931	0.695349
cg15459537	chr3	35730993		-0.42261	-3.15897	0.001873	0.695024
cg22702833	chr5	164172		-0.35112	-3.14964	0.00193	0.695349
cg21470600	chr1	6040824		-0.42314	-3.16009	0.001866	0.695024
cg26312542	chr11	1.12E+08	IL18	0.853061	3.15734	0.001883	0.695024
cg14614563	chr10	32218901		0.495781	3.164812	0.001838	0.694207
cg22345063	chr1	48191702		0.294758	3.151381	0.001919	0.695349

cg05142358	chr18	76264889		-0.24675	-3.1638	0.001844	0.694207
cg07002711	chr8	63998640		0.281724	3.152873	0.00191	0.695349
cg05303132	chr1	2984631		-0.55778	-3.15818	0.001878	0.695024
cg16521594	chr17	56084977		-0.32856	-3.16009	0.001866	0.695024
cg00616525	chr17	26646045		0.211421	3.156747	0.001886	0.695024
cg05630136	chr15	23891780		-0.42271	-3.14407	0.001965	0.698827
cg23452443	chr1	65210737		0.249456	3.14968	0.00193	0.695349
cg12300353	chr4	44450358		0.544988	3.164547	0.001839	0.694207
cg17368737	chr8	1.45E+08		-0.22237	-3.14587	0.001954	0.697137
cg27485530	chr17	80041172		-0.29843	-3.15829	0.001877	0.695024
cg06579024	chr19	50789808	PIH1D1	-0.36452	-3.13742	0.002008	0.703663
cg07562835	chr17	73734756	CASKIN2;ICT1	-0.30425	-3.157	0.001885	0.695024
cg04292187	chr1	2.36E+08		-0.25106	-3.17096	0.001801	0.691921
cg00643333	chr22	45705037	KIAA0930	0.500693	3.150605	0.001924	0.695349
cg00426089	chr1	2.13E+08		-0.36802	-3.15842	0.001876	0.695024
cg01287218	chr3	1.08E+08		-0.54303	-3.16	0.001867	0.695024
cg11332519	chr12	26348093	ENSG00000247903	0.547911	3.135389	0.002021	0.704489
cg03330377	chr7	92242243		-0.36115	-3.14838	0.001938	0.695349
cg06567373	chr10	1.02E+08		0.426997	3.151361	0.001919	0.695349
cg14228980	chr17	78122221		-0.40629	-3.15079	0.001923	0.695349
cg07130466	chr11	35573212		0.310863	3.147838	0.001941	0.695584
cg22179256	chr19	17986728		-0.2534	-3.1427	0.001974	0.700601
cg25574761	chr12	1.23E+08		-0.47168	-3.1406	0.001987	0.701639
cg07922825	chr4	66900082		-0.43804	-3.15342	0.001907	0.695349
cg07797747	chr1	1.56E+08		-0.28618	-3.15265	0.001911	0.695349

cg16281276	chr11	7695528		-0.31046	-3.14747	0.001944	0.695787
cg00585818	chr16	1053715		-0.39103	-3.14852	0.001937	0.695349
cg13189147	chr17	80958128		0.321583	3.147229	0.001945	0.695787
cg12633739	chr17	8370548		0.337032	3.156883	0.001885	0.695024
cg26136285	chr21	15756085		-0.34273	-3.16333	0.001846	0.694207
cg02077100	chr2	1.78E+08		0.371526	3.148928	0.001935	0.695349
cg15105011	chr4	940614		0.601612	3.148515	0.001937	0.695349
cg25426807	chr6	29395221	HCG4	-0.4756	-3.14975	0.001929	0.695349
cg18353826	chr19	10019939		0.320765	3.145595	0.001956	0.697137
cg24313249	chr13	1.14E+08		-0.27337	-3.1524	0.001913	0.695349
cg04906242	chr16	75150880		-0.37881	-3.13252	0.00204	0.706536
cg23590404	chr8	11071946		-0.39698	-3.14945	0.001931	0.695349
cg09814480	chr7	1.35E+08		-0.27748	-3.14172	0.00198	0.700601
cg18350186	chr6	1.12E+08		-0.229	-3.15698	0.001885	0.695024
cg12469755	chr5	1.11E+08	NREP	-0.31556	-3.14562	0.001955	0.697137
cg04679712	chr8	25898839		0.405944	3.149103	0.001934	0.695349
cg13420366	chr1	2.05E+08		-0.72636	-3.13291	0.002037	0.706536
cg12066770	chr8	1.4E+08	COL22A1	-0.2981	-3.13811	0.002003	0.703615
cg24048008	chr1	1.1E+08		0.302704	3.13647	0.002014	0.703874
cg06087029	chr3	48488078		-0.26357	-3.1283	0.002068	0.706872
cg00238815	chr8	1.45E+08		0.338918	3.136816	0.002012	0.703663
cg12374511	chr3	1.21E+08		0.324551	3.141913	0.001979	0.700601
cg21399021	chr1	9048292		-0.30221	-3.14464	0.001962	0.698361
cg19305040	chr4	1.85E+08		-0.1606	-3.14276	0.001974	0.700601
cg19099050	chr3	9594382		0.414682	3.140515	0.001988	0.701639

cg11561218	chr6	24122547	ALDH5A1	0.434146	3.131763	0.002045	0.706536
ch.7.122671817R	chr7	1.23E+08		0.658609	3.136055	0.002017	0.704085
cg04481181	chr3	1.65E+08		-0.22243	-3.14884	0.001935	0.695349
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cg09076339	chr1	2.27E+08	ADCK3;H3F3A	-0.42519	-3.13519	0.002022	0.704489
cg14670213	chr5	1.2E+08		-0.35864	-3.13024	0.002055	0.706757
cg05007022	chr14	75330462		-0.2937	-3.13248	0.00204	0.706536
cg04707519	chr10	21799314		0.666317	3.141779	0.00198	0.700601
cg02539518	chr2	1.14E+08		-0.26831	-3.13239	0.002041	0.706536
cg00670552	chr12	1.32E+08		-0.33649	-3.13773	0.002006	0.703663
cg06347582	chr1	2829700		-0.30711	-3.12812	0.002069	0.706872
cg04206967	chr8	1.1E+08		0.357793	3.125357	0.002087	0.711467
cg18305031	chr19	3982603		0.389631	3.132147	0.002042	0.706536
cg20423977	chr21	42557641		0.405312	3.141516	0.001981	0.700601
cg21837207	chr1	1.2E+08		-0.39242	-3.13859	0.002	0.703615
cg12845268	chr10	63657363		0.42858	3.144535	0.001962	0.698361
cg22346081	chr1	1.1E+08		-0.35433	-3.13379	0.002031	0.70652
cg17645823	chr12	1.15E+08		0.277844	3.119539	0.002127	0.717159
cg18279126	chr7	2041391		-0.54387	-3.13178	0.002045	0.706536
cg11073382	chr4	1.21E+08		-0.50175	-3.13916	0.001997	0.703053
cg16179182	chr5	1.4E+08		0.426843	3.129583	0.002059	0.706757
cg18629514	chr7	5388895		0.298253	3.131219	0.002048	0.706631
cg06894651	chr1	1.52E+08		0.267252	3.13587	0.002018	0.704085
cg13930544	chr1	2.48E+08	KIF28P	0.507132	3.138306	0.002002	0.703615
cg03582827	chr16	958339		-0.39094	-3.13453	0.002027	0.705394

cg10047762	chr17	80875998		-0.48178	-3.12932	0.002061	0.706757
cg09602452	chr3	1.84E+08		-0.28592	-3.116	0.002151	0.719705
cg19416879	chr17	55038611		0.38403	3.13715	0.00201	0.703663
cg01897562	chr4	74904675		-0.28288	-3.13697	0.002011	0.703663
cg12305074	chr7	78368756		-0.582	-3.13131	0.002048	0.706631
cg23424407	chr12	1.15E+08		0.586475	3.129945	0.002057	0.706757
cg18898992	chr7	94286484		0.292173	3.118353	0.002135	0.717926
cg17222401	chr5	1464340		0.35575	3.139123	0.001997	0.703053
cg20747577	chr7	26897253	NFE2L3	0.805814	3.119075	0.00213	0.717384
cg26420013	chr5	6632020	SRD5A1;ENSG00000272520	0.330607	3.133035	0.002036	0.706536
cg21037570	chr2	86422857		-0.2333	-3.14004	0.001991	0.702137
cg12600418	chr1	37939923		0.2524	3.118104	0.002137	0.717926
cg02653526	chr19	50371215		-0.25849	-3.12952	0.00206	0.706757
cg13941027	chr1	12335550	C1orf158;AGTRAP;MTHFR	0.469348	3.123302	0.002101	0.713774
cg13484295	chr2	1.74E+08		0.269481	3.128916	0.002064	0.706757
cg14892886	chr11	45826170		-0.26843	-3.11597	0.002151	0.719705
cg08485259	chr3	1.97E+08		-0.37498	-3.1212	0.002115	0.715719
cg10496030	chr11	76510466		0.270546	3.130566	0.002053	0.706757
cg25573227	chr7	53286592		0.56399	3.122382	0.002107	0.714035
cg05578452	chr5	1.79E+08		-0.25435	-3.12103	0.002117	0.715719
cg10332003	chr4	1.85E+08		0.344246	3.128915	0.002064	0.706757
cg08695724	chr9	95527179		-0.30534	-3.14666	0.001949	0.696493
cg01831177	chr1	1.77E+08		0.298123	3.1182	0.002136	0.717926
cg08586642	chr8	854690		-0.37986	-3.11778	0.002139	0.718104

cg02347881	chr13	91579373		-0.4849	-3.12918	0.002062	0.706757
cg04572930	chr7	4754834	FSCN1;RNF216	-0.55383	-3.12745	0.002073	0.707823
cg02119348	chr16	6069731		0.386811	3.11585	0.002152	0.719705
cg14824386	chr8	41167923		0.327901	3.112986	0.002172	0.719705
cg11727569	chr9	1.12E+08		0.537048	3.115327	0.002156	0.719705
cg18367433	chr10	1.05E+08		-0.52867	-3.11045	0.00219	0.719705
cg14043049	chr19	19748575	ENSG00000267383;LINC00663	0.667498	3.110989	0.002186	0.719705
cg16448702	chr2	2.34E+08	DNAJB3;NGEF	-0.68618	-3.11598	0.002151	0.719705
cg18237618	chr1	41328258		-0.20463	-3.1236	0.002099	0.713774
cg19829602	chr19	49448199	PLA2G4C;TEAD2;CPT1C;RCN3;FCGRT;EMP3;RRAS;RASIP1;DBP;FAM83E;CYTH2;CARD8;HRC;RUVBL2;FUT2;CA11;PPFIA3	-0.38876	-3.12542	0.002087	0.711467
cg21209395	chr9	35406764		0.428747	3.112884	0.002173	0.719705
cg16727243	chr2	20441905		0.628504	3.104229	0.002234	0.719705
cg00503383	chr1	91301651		0.519626	3.11527	0.002156	0.719705
ch.14.1824732F	chr14	1.04E+08		0.479275	3.111504	0.002182	0.719705
cg19149785	chr19	51506273		0.500115	3.111853	0.00218	0.719705
cg26838691	chr2	24397539		-0.49369	-3.1285	0.002066	0.706872
cg03421801	chr11	1.02E+08		0.423703	3.104441	0.002232	0.719705
cg11203143	chr17	36634106		0.320051	3.122256	0.002108	0.714035

cg08772265	chr6	32812395		-0.25317	-3.11503	0.002158	0.719705
cg11823178	chr8	41519399		-0.40088	-3.11135	0.002183	0.719705
cg13871633	chr3	42947385		0.378016	3.103731	0.002237	0.719705
cg07631828	chr20	57582581		0.341643	3.112121	0.002178	0.719705
cg01669540	chr16	67884473		0.390286	3.122917	0.002104	0.713774
cg10194341	chr6	43027125	TBCC;RRP36	0.296402	3.108543	0.002203	0.719705
cg16920191	chr4	1379968		0.361582	3.113221	0.00217	0.719705
cg26034375	chr1	31907354		0.245205	3.110478	0.002189	0.719705
cg10257905	chr17	12568092		0.305867	3.099578	0.002267	0.719705
cg14931683	chr17	35872880		0.458467	3.102803	0.002244	0.719705
cg27582625	chr4	1.38E+08		-0.34681	-3.10752	0.00221	0.719705
cg01258997	chr14	53419701		0.450871	3.103346	0.00224	0.719705
cg15654136	chr2	71047710	TGFA	0.326698	3.102278	0.002248	0.719705
cg00050336	chr4	15377965	FGFBP1;TAPT1-AS1;CC2D2A	-0.38629	-3.10554	0.002224	0.719705
cg23026602	chr19	21646605	ENSG00000268416;ZNF208;ZNF429	0.420192	3.110684	0.002188	0.719705
cg18251191	chr19	32715259		0.469094	3.101793	0.002251	0.719705
cg05890616	chr17	41859201		-0.33804	-3.10657	0.002217	0.719705
cg24186506	chr10	1.26E+08		-0.42923	-3.10274	0.002244	0.719705
cg06951011	chr16	20996704		0.440842	3.106053	0.002221	0.719705
cg07698783	chr11	47395915	ACP2	-0.25027	-3.12286	0.002104	0.713774
cg05744510	chr17	39844982		0.15104	3.107421	0.002211	0.719705
cg13182010	chr14	23235291		0.461362	3.096753	0.002288	0.719705
cg19155100	chr2	2.34E+08		0.290961	3.120181	0.002122	0.717102

cg26031288	chr7	40787015		-0.44176	-3.10817	0.002206	0.719705
cg04887124	chr1	16557469		-0.30148	-3.11006	0.002192	0.719705
cg16530587	chr11	1.23E+08		0.505592	3.096991	0.002286	0.719705
cg12743388	chr1	84755291		0.40393	3.124074	0.002096	0.713268
cg00542775	chr1	4188710		0.305151	3.113178	0.002171	0.719705
cg18849920	chr11	86013510		-0.27235	-3.10939	0.002197	0.719705
cg15419211	chr5	1.15E+08		0.35995	3.110354	0.00219	0.719705
cg07559427	chr7	95467004		0.334124	3.098327	0.002276	0.719705
cg00680696	chr2	2.2E+08		0.281863	3.101309	0.002255	0.719705
cg01888129	chr15	64126210		-0.30699	-3.10319	0.002241	0.719705
cg15846718	chr6	75953307		0.375718	3.107387	0.002211	0.719705
cg12287785	chr6	99295470		0.355227	3.107411	0.002211	0.719705
cg19074970	chr2	2.28E+08		-0.22144	-3.12458	0.002093	0.712679
cg07537896	chr11	1.21E+08		0.323979	3.096219	0.002291	0.719705
cg23238677	chr2	1.7E+08	CCDC173;BBS5	-0.53818	-3.10646	0.002218	0.719705
cg03415638	chr10	7213843		-0.33523	-3.10337	0.00224	0.719705
cg20954533	chr5	71462729		-0.36029	-3.11942	0.002128	0.717159
cg23607033	chr10	30723892		-0.32171	-3.11331	0.00217	0.719705
cg16872086	chr7	25991027		-0.18199	-3.10758	0.00221	0.719705
cg19619405	chr12	43945892		0.374146	3.106155	0.00222	0.719705
cg23631636	chr2	2.17E+08		-0.23827	-3.09807	0.002278	0.719705
cg20381115	chr15	45671148		0.413317	3.105328	0.002226	0.719705
cg00483562	chr5	1931781		0.438638	3.094069	0.002307	0.719705
cg15311814	chr7	35296213		0.383438	3.090831	0.002331	0.719705
cg15446073	chr11	62339136		0.295124	3.107259	0.002212	0.719705

cg14631276	chr8	1.45E+08	KIAA1875	0.86761	3.11021	0.002191	0.719705
cg09677268	chr19	58556044		0.538241	3.102988	0.002242	0.719705
cg07496687	chr22	22236176		-0.29333	-3.09634	0.002291	0.719705
cg02939767	chr20	584773	SDCBP2	-0.48788	-3.10145	0.002254	0.719705
cg20696050	chr15	25963402	SNHG14;PWAR6	0.366264	3.099564	0.002267	0.719705
cg15404665	chr19	4724679	PLIN3	0.662965	3.095632	0.002296	0.719705
cg24694501	chr2	16154177		0.458221	3.097233	0.002284	0.719705
cg19271111	chr3	1.47E+08		0.342719	3.101331	0.002254	0.719705
cg03257172	chr1	2E+08	KIF21B	0.311684	3.107639	0.002209	0.719705
cg14541800	chr9	1.37E+08		0.403651	3.107538	0.00221	0.719705
cg05892167	chr3	79350387		0.288457	3.091045	0.00233	0.719705
cg13690424	chr18	54789193		0.414872	3.091222	0.002328	0.719705
cg16505704	chr13	80378331		0.342694	3.119734	0.002125	0.717159
cg20079306	chr20	34129701		-0.30796	-3.08475	0.002377	0.719705
cg15920739	chr21	33765737		0.655291	3.086157	0.002366	0.719705
cg02837536	chr1	4771682		0.454274	3.094445	0.002304	0.719705
cg22234080	chr22	29876942		0.309515	3.103674	0.002238	0.719705
cg00791712	chr10	1.24E+08		-0.32679	-3.09068	0.002332	0.719705
cg15148683	chr19	36736872		0.475376	3.098762	0.002273	0.719705
cg12066118	chr10	1.32E+08		-0.21415	-3.09275	0.002317	0.719705
cg02282631	chr5	42953543		0.510172	3.092319	0.00232	0.719705
cg12243622	chr17	32633974		-0.31978	-3.10955	0.002196	0.719705
cg07109115	chr10	28030398	MKX;MPP7	0.442867	3.115349	0.002155	0.719705
cg01601746	chr19	58038689		0.29214	3.090951	0.00233	0.719705
cg19139554	chr3	50126253		0.197947	3.085216	0.002373	0.719705

cg24948792	chr10	1.03E+08		0.477903	3.095554	0.002296	0.719705
cg20201957	chr17	2603638	TSR1	0.307843	3.094116	0.002307	0.719705
cg00929658	chr21	47546030		-0.54623	-3.08871	0.002347	0.719705
cg22173537	chr5	1.66E+08		-0.2753	-3.08858	0.002348	0.719705
cg19990342	chr5	2564660		-0.3676	-3.09258	0.002318	0.719705
cg04889069	chr8	57030408		0.485759	3.099534	0.002267	0.719705
cg25070075	chr15	27083993		0.682323	3.082534	0.002394	0.719705
cg17132501	chr2	442702	FAM110C	-0.24003	-3.08431	0.00238	0.719705
cg22056094	chr5	1.41E+08		0.775675	3.091884	0.002323	0.719705
cg18045195	chr2	45178950		0.291934	3.098183	0.002277	0.719705
cg26825412	chr20	62681428		0.203845	3.090811	0.002331	0.719705
cg10425949	chr17	38210997		0.271703	3.099294	0.002269	0.719705
cg00718414	chr17	938121	ENSG00000228133;SCARF1	0.347309	3.086602	0.002363	0.719705
cg01921918	chr2	1.71E+08		0.331344	3.098181	0.002277	0.719705
cg20421914	chr13	1E+08		0.181688	3.089549	0.002341	0.719705
cg00647217	chr1	1.65E+08		0.714627	3.087841	0.002354	0.719705
cg14222607	chr8	21967298		-0.2927	-3.08861	0.002348	0.719705
cg13029731	chr14	24037054	C14orf93	0.300216	3.088453	0.002349	0.719705
cg26906629	chr11	68564367		0.609934	3.081361	0.002403	0.719705
cg18941151	chr1	1.14E+08		0.440494	3.086819	0.002361	0.719705
cg24708471	chr19	30719437		0.510469	3.086509	0.002364	0.719705
cg26021273	chr7	1.57E+08		0.296416	3.077521	0.002432	0.721388
cg06607825	chr11	19825800		-0.47805	-3.09484	0.002302	0.719705
cg03215422	chr5	1.35E+08		0.395141	3.09703	0.002286	0.719705

cg02532518	chr16	3210066		0.647928	3.092449	0.002319	0.719705
cg01716600	chr2	2.02E+08		-0.23632	-3.09387	0.002309	0.719705
cg08427573	chr4	1.4E+08		-0.22886	-3.08818	0.002351	0.719705
cg00074415	chr10	1.15E+08		-0.83957	-3.08513	0.002374	0.719705
cg06633061	chr14	57261601		0.391966	3.081545	0.002401	0.719705
cg18683103	chr10	1.15E+08		-0.39308	-3.09137	0.002327	0.719705
cg03536320	chr1	62211713		0.419335	3.090761	0.002332	0.719705
cg05239163	chr1	1.54E+08	C1orf189;S100A14;S100A16	0.368856	3.085936	0.002368	0.719705
cg03359362	chr19	47289611		-0.48793	-3.07991	0.002414	0.719705
cg08657671	chr5	1.76E+08		-0.44474	-3.08172	0.0024	0.719705
cg19375053	chr19	35991319		0.29168	3.08423	0.002381	0.719705
cg17363276	chr2	33150993		-0.3062	-3.08381	0.002384	0.719705
cg13423098	chr15	23807234		0.431671	3.081784	0.002399	0.719705
cg13987792	chr12	1.32E+08		0.249	3.08651	0.002364	0.719705
cg03644238	chr7	1.48E+08	CUL1	-0.68079	-3.09212	0.002322	0.719705
cg23404110	chr11	68609590		0.284207	3.085395	0.002372	0.719705
cg18375236	chr19	30024706		-0.27608	-3.10293	0.002243	0.719705
cg11998703	chr19	58446669	ZIK1;ZNF772;ZNF154;ZNF418;ZNF671;ZNF134;ZNF773;ZNF274;ZNF549	0.414943	3.08414	0.002381	0.719705
cg04173523	chr8	88889648		-0.34388	-3.08248	0.002394	0.719705
cg12987059	chr3	33067108		0.398389	3.086433	0.002364	0.719705
cg13777717	chr5	76250527		0.432649	3.084823	0.002376	0.719705

cg23522475	chr5	95068092		0.476543	3.078802	0.002422	0.720287
cg10152131	chr19	51111677		0.532976	3.092539	0.002319	0.719705
cg25351003	chr7	22705607		-0.35508	-3.10138	0.002254	0.719705
cg05048377	chr16	3237964	IL32;CCDC64B;PRSS22	0.32869	3.085389	0.002372	0.719705
cg25124228	chr12	1.26E+08		-0.48554	-3.08084	0.002407	0.719705
cg18009000	chr10	71811927		0.451284	3.089757	0.002339	0.719705
cg10189962	chr2	1.75E+08	WIPF1	-0.37893	-3.07688	0.002437	0.722354
cg09998519	chr1	2.45E+08		-0.42687	-3.08165	0.0024	0.719705
cg22364219	chr1	16714091		0.379148	3.08879	0.002346	0.719705
cg21146537	chr22	35695301		0.398686	3.079616	0.002416	0.719705
cg19051195	chr17	26989222		-0.22311	-3.08387	0.002383	0.719705
cg01661777	chr11	1983308		-0.43419	-3.08287	0.002391	0.719705
cg19464320	chr12	1.21E+08		-0.47986	-3.09327	0.002313	0.719705
cg01656470	chr19	57350096	ZNF542	0.344682	3.079546	0.002416	0.719705
cg23372936	chr17	1162810	MIR22HG	0.233737	3.079683	0.002415	0.719705
cg15319457	chr2	2.39E+08		0.445804	3.096078	0.002293	0.719705
cg04610601	chr5	1.68E+08		-0.32207	-3.08002	0.002413	0.719705
cg12449974	chr15	68883256		-0.25771	-3.07545	0.002448	0.722768
cg20200516	chr8	81400156		0.492427	3.074524	0.002455	0.722768
cg26559509	chr7	766384		-0.20315	-3.08232	0.002395	0.719705
cg08544583	chr4	1341575		-0.30755	-3.0864	0.002364	0.719705
cg25479682	chr3	1.85E+08		0.367441	3.090748	0.002332	0.719705
cg07285481	chr16	81667167	HSD17B2;GAN	-0.28931	-3.0822	0.002396	0.719705
cg00844078	chr2	26098817		0.475133	3.091682	0.002325	0.719705

cg01828753	chr6	99272871		0.461478	3.083398	0.002387	0.719705
cg10906729	chr17	46682390	HOXB4;HOXB-AS2;NXPH3;LRRC46;PRR15L;TTLL6	0.58264	3.078658	0.002423	0.720287
cg12809483	chr5	72702746		0.346178	3.092685	0.002317	0.719705
cg06720001	chr18	51795815		0.191126	3.071272	0.002481	0.72348
cg02607130	chr19	1008643		0.315972	3.073009	0.002467	0.722768
cg15319522	chr14	76819459		0.250719	3.094635	0.002303	0.719705
cg17891715	chr19	50529185	ZNF473;SLC6A16;PTOV1-AS1	-0.23656	-3.07475	0.002454	0.722768
cg27592564	chr19	58071582	ZIK1	0.442572	3.078177	0.002427	0.720886
cg10879683	chr2	10442817		-0.25883	-3.08289	0.002391	0.719705
cg07891820	chr4	7799636		0.526245	3.075158	0.00245	0.722768
cg02097429	chr16	27210995		-0.42781	-3.07119	0.002481	0.72348
cg16854524	chr4	83931902		-0.3048	-3.08046	0.002409	0.719705
cg15388107	chr7	36700916	ANLN	-0.38112	-3.0734	0.002464	0.722768
cg00899976	chr20	56227540		0.702241	3.075895	0.002445	0.722768
cg19442889	chr8	41639488		0.33721	3.08076	0.002407	0.719705
cg01492710	chr6	79788336		-0.27355	-3.09077	0.002332	0.719705
cg02795432	chr2	2.04E+08	CARF	-0.2198	-3.08811	0.002352	0.719705
cg21973687	chr6	1.48E+08		0.43077	3.07965	0.002416	0.719705
cg15085805	chr19	18433592	IL12RB1	-0.34496	-3.06755	0.00251	0.726271
cg03855954	chr20	43753635		0.423804	3.06496	0.002531	0.726271
cg11348293	chr2	2.2E+08		0.429903	3.081935	0.002398	0.719705
cg01959730	chr1	1.2E+08		0.499234	3.071397	0.00248	0.72348

cg14433428	chr9	1.4E+08		-0.31708	-3.09688	0.002287	0.719705
cg00824793	chr9	1.16E+08		0.296643	3.07935	0.002418	0.719705
cg19202292	chr12	54347057		0.404898	3.073601	0.002462	0.722768
cg01378812	chr17	36004794		0.346914	3.080545	0.002409	0.719705
cg16294566	chr11	32458656		0.446303	3.068821	0.0025	0.725673
cg01054658	chr8	33342664		0.233059	3.073225	0.002465	0.722768
cg14609757	chr1	1.57E+08		0.214075	3.062378	0.002552	0.726271
cg06888058	chr19	52552233	ZNF649	-0.34355	-3.06743	0.002511	0.726271
cg08182191	chr2	1.07E+08		0.287434	3.072462	0.002471	0.723034
cg10336131	chr11	66049756		0.308269	3.070169	0.002489	0.725332
cg20967446	chr17	4939521		-0.23656	-3.07474	0.002454	0.722768
cg06999858	chr5	1967249		0.427141	3.0746	0.002455	0.722768
cg06532379	chr15	85360319	UBE2Q2P1;CSPG4P11	0.355148	3.074269	0.002457	0.722768
cg22717378	chr19	19299305		-0.44644	-3.0893	0.002343	0.719705
cg15488822	chr13	37393523		-0.21388	-3.06946	0.002495	0.725673
cg04846036	chr10	8079205		0.363417	3.065746	0.002525	0.726271
cg23250019	chr11	66138472	CTSF;EFEMP2	0.261774	3.087809	0.002354	0.719705
cg10237479	chr6	42858959		0.251979	3.081912	0.002398	0.719705
cg01194279	chr12	1.14E+08		0.350785	3.073977	0.00246	0.722768
cg17188567	chr12	81649347		-0.47512	-3.08238	0.002395	0.719705
cg00331541	chr20	62220778		-0.57245	-3.06749	0.002511	0.726271
cg04751133	chr5	1.71E+08		0.365055	3.068551	0.002502	0.725673
cg07107628	chr6	27210934		0.425215	3.072629	0.00247	0.723034
cg01889574	chr11	44590889		-0.25105	-3.0651	0.00253	0.726271

cg10492953	chr4	55097420		0.312164	3.081543	0.002401	0.719705
cg23718195	chr17	21300791	DHRS7B;LGALS9B	0.442716	3.06692	0.002515	0.726271
cg03606269	chr5	77779546		0.581758	3.062013	0.002555	0.726271
cg07156006	chr7	2195321		-0.40933	-3.09856	0.002274	0.719705
cg07414574	chr12	1.11E+08		-0.30115	-3.07771	0.002431	0.721388
cg26111761	chr3	1.37E+08		-0.21546	-3.06658	0.002518	0.726271
cg13931663	chr10	90983647		0.299257	3.073251	0.002465	0.722768
cg00028507	chr1	2918106		-0.35365	-3.06629	0.00252	0.726271
cg03507018	chr3	97886603		-0.45134	-3.07567	0.002446	0.722768
cg07162727	chr16	4848039		-0.32776	-3.05393	0.002621	0.729289
cg02441831	chr11	64901569		-0.18492	-3.06697	0.002515	0.726271
cg22375689	chr19	34175036		0.384378	3.062584	0.00255	0.726271
cg00938859	chr5	1591904		-0.43229	-3.06852	0.002503	0.725673
cg01735558	chr16	960144		0.425866	3.07447	0.002456	0.722768
cg01094687	chr11	1.25E+08		0.368202	3.068556	0.002502	0.725673
cg01013955	chr6	1.51E+08		0.441769	3.059676	0.002574	0.726563
cg18180339	chr1	2.2E+08	MARC2;MARC1	-0.34661	-3.05634	0.002601	0.727412
cg21800258	chr6	28557080		0.5836	3.057404	0.002592	0.72727
cg26338202	chr6	1.64E+08		-0.7227	-3.0605	0.002567	0.726271
cg03363248	chr3	27754391		-0.26813	-3.05511	0.002611	0.727999
cg13595439	chr22	17564750		-0.36135	-3.07132	0.00248	0.72348
cg05083325	chr16	74254113		-0.23278	-3.0617	0.002557	0.726271
cg07477090	chr1	1.2E+08		0.211371	3.063043	0.002546	0.726271
cg17494446	chr11	2569380		-0.43591	-3.05055	0.002649	0.730504
cg00788660	chr2	8424578		-0.30265	-3.06018	0.00257	0.726271

cg01267076	chr12	1.16E+08		0.335036	3.07211	0.002474	0.723345
cg22202692	chr2	6121939		0.476761	3.057786	0.002589	0.72727
cg17217665	chr6	44186914		0.492101	3.05558	0.002607	0.727412
cg18222176	chr19	56126034		0.3597	3.060012	0.002571	0.726271
cg24928391	chr8	55370336	LYPLA1	0.402507	3.060387	0.002568	0.726271
cg27012108	chr5	1.16E+08		0.385239	3.060245	0.002569	0.726271
cg24933645	chr1	2.2E+08		0.413818	3.060103	0.00257	0.726271
cg18016254	chr3	1.22E+08	KPNA1	0.53769	3.056872	0.002596	0.72727
cg13763633	chr9	1.28E+08		-0.28797	-3.05699	0.002596	0.72727
cg27391334	chr7	1352002	PSMG3;FTSJ2	-0.3031	-3.06257	0.00255	0.726271
cg18940723	chr2	45837923		-0.27868	-3.06584	0.002524	0.726271
cg18710692	chr13	20437712		-0.2853	-3.05461	0.002615	0.728323
cg02557269	chr7	54826467		0.418863	3.060546	0.002567	0.726271
cg04683830	chr9	1.4E+08		-0.40109	-3.06928	0.002496	0.725673
cg01423964	chr1	1.11E+08		0.219203	3.064148	0.002537	0.726271
cg13421062	chr7	35301069		0.321892	3.060083	0.00257	0.726271
cg10828210	chr9	35072977		0.362375	3.060631	0.002566	0.726271
cg13577628	chr1	1.2E+08		0.33117	3.057648	0.00259	0.72727
cg10992704	chr1	1.63E+08		-0.30791	-3.06712	0.002514	0.726271
cg03794617	chr17	78796999	CCDC40	0.435286	3.061709	0.002557	0.726271
cg08289130	chr16	3210357	KCTD5	0.487196	3.062538	0.00255	0.726271
cg25544384	chr13	44000493		0.461403	3.050523	0.002649	0.730504
cg24175522	chr2	98350827		-0.3902	-3.0577	0.00259	0.72727
cg02482042	chr3	10465412		0.276257	3.057922	0.002588	0.72727
cg16284953	chr8	11471571		0.446199	3.046972	0.002679	0.730504

cg06089684	chr1	63783375		0.226327	3.073039	0.002467	0.722768
cg18624274	chr3	9834185		-0.33905	-3.0571	0.002595	0.72727
cg21549927	chr8	1.11E+08		0.419726	3.061844	0.002556	0.726271
cg19565423	chr2	2.25E+08	DOCK10	-0.34703	-3.05153	0.002641	0.730504
cg16111073	chr12	1.24E+08		-0.34475	-3.06462	0.002534	0.726271
cg06086389	chr16	22981614	SCNN1B;SCNN1G	-0.35459	-3.04791	0.002671	0.730504
cg16617795	chr1	5895056		-0.51912	-3.04751	0.002674	0.730504
cg10604476	chr19	10403908	PDE4A;KANK2;AP1M2	0.634372	3.059192	0.002578	0.726814
cg26937809	chr1	1.74E+08		0.224363	3.060078	0.00257	0.726271
cg08404739	chr16	48269424		0.460832	3.064236	0.002537	0.726271
cg26645237	chr5	1.58E+08	CYFIP2	-0.37355	-3.06309	0.002546	0.726271
cg11645155	chr19	47288114	C5AR2	-0.40559	-3.05856	0.002583	0.72727
cg03180426	chr9	1.4E+08		0.219494	3.046434	0.002683	0.730504
cg24265076	chr10	1939618		0.488992	3.063704	0.002541	0.726271
cg20016673	chr1	1.08E+08		0.694394	3.045441	0.002692	0.730531
cg16214826	chr2	1065770	PXDN	0.543182	3.061512	0.002559	0.726271
cg26241863	chr8	1.46E+08		-0.29227	-3.05165	0.00264	0.730504
cg08053904	chr16	20085897	ENSG00000188477	0.485923	3.061998	0.002555	0.726271
cg15817224	chr14	53015645		0.424991	3.052135	0.002636	0.730504
cg11106865	chr4	1.85E+08		0.454179	3.054552	0.002616	0.728323
cg06629870	chr16	88144213		0.359343	3.055942	0.002604	0.727412
cg09290866	chr10	6020369		-0.47748	-3.05704	0.002595	0.72727
cg01055279	chr7	1.5E+08		0.392183	3.049766	0.002655	0.730504
cg07251046	chr12	97791023		-0.48595	-3.05585	0.002605	0.727412

cg22026389	chr6	1.55E+08		0.441181	3.050331	0.002651	0.730504
cg21813369	chr4	70999362		0.484924	3.051896	0.002638	0.730504
cg00299767	chr14	21560917	TEP1;TTC5;RPPH1	0.438116	3.056442	0.0026	0.727412
cg09188322	chr1	1.13E+08		0.252093	3.042209	0.002719	0.734375
cg18912574	chr7	65842487		-0.31639	-3.04123	0.002728	0.735154
cg25298189	chr19	935259	HMHA1;GRIN3B;PCSK4;GPX4;ARID3A	0.365249	3.049295	0.002659	0.730504
cg24004345	chr12	96220001		0.440358	3.042036	0.002721	0.734375
cg04458776	chr11	62753944	RARRES3;POLR2G	-0.36278	-3.04646	0.002683	0.730504
cg20374595	chr13	1.01E+08		0.414231	3.041922	0.002722	0.734375
cg14753631	chr12	3260174	FOXM1;TSPAN9;PRMT8	0.532313	3.050222	0.002652	0.730504
cg19258665	chr7	1.57E+08		-0.26575	-3.04954	0.002657	0.730504
cg21132352	chr17	7350001	ARHGEF15;BCL6B;NLGN2;CLDN7;MPDU1;TRAPPC1;CYB5D1;CTC1;KCTD11;MED31;SLC2A4;WRAP53;TMEM107	0.369968	3.059149	0.002578	0.726814
cg25062778	chr14	57265268		0.396366	3.044379	0.002701	0.732049
cg01540301	chr6	32940371	TAP1;BAK1	-0.22542	-3.04556	0.002691	0.730531
cg04573661	chr4	57254799		0.427861	3.043939	0.002705	0.732137
cg09089421	chr3	1.28E+08		0.328589	3.045736	0.002689	0.730531
cg11467440	chr2	44065278		-0.28315	-3.0518	0.002638	0.730504

cg00152611	chr4	1.23E+08		-0.41949	-3.04707	0.002678	0.730504
cg23795429	chr7	73152092		-0.26054	-3.03677	0.002766	0.73625
cg21323720	chr4	1.14E+08		-0.58231	-3.04646	0.002683	0.730504
cg25529304	chr5	43034529		0.28859	3.046597	0.002682	0.730504
cg02808397	chr6	1.6E+08		-0.28153	-3.04694	0.002679	0.730504
cg00107630	chr9	1.2E+08		0.299933	3.05277	0.00263	0.730504
cg00962459	chr2	68871642	ANTXR1;CNRIP1	-0.255	-3.06445	0.002535	0.726271
cg00473245	chr13	1.11E+08		-0.21421	-3.03789	0.002757	0.736145
cg24600560	chr8	42698531		-0.31349	-3.04323	0.002711	0.73284
cg26099164	chr10	7574782		0.603357	3.050415	0.00265	0.730504
cg00946316	chr7	1.58E+08		-0.41647	-3.03887	0.002748	0.736145
cg11009596	chr17	8113758	PIK3R5	-0.29345	-3.03779	0.002758	0.736145
cg04241863	chr8	18067331	NAT1;PCM1;SLC7A2	0.458693	3.049922	0.002654	0.730504
cg11563074	chr7	73723905		-0.33672	-3.03754	0.00276	0.736145
cg00503646	chr7	1.12E+08		0.415629	3.048968	0.002662	0.730504
cg00070370	chr15	83439027		0.300961	3.051074	0.002644	0.730504
cg09472821	chr4	4405913		0.209379	3.051122	0.002644	0.730504
cg02662003	chr5	19988018		0.511529	3.037107	0.002763	0.736145
cg07645844	chr8	26722635		0.33742	3.041766	0.002723	0.734375
cg02175503	chr12	58329896		0.364602	3.038797	0.002749	0.736145
cg19498844	chr21	46707878		-0.25127	-3.04766	0.002673	0.730504
cg18897632	chr2	5836231		0.503966	3.036467	0.002769	0.7365
cg24720355	chr1	1.2E+08		0.417588	3.037677	0.002759	0.736145
cg05922925	chr14	1.06E+08		-0.25381	-3.0389	0.002748	0.736145

cg13223276	chr1	6211176	-0.37535	-3.04057	0.002734	0.735762
cg05921316	chr13	25690906	-0.30139	-3.03236	0.002805	0.739262
cg14814195	chr6	1313485	-0.37579	-3.03055	0.002821	0.739262
cg10142189	chr11	33183151	0.230524	3.048924	0.002662	0.730504
cg03504865	chr4	1.08E+08	0.380899	3.04976	0.002655	0.730504
cg22330533	chr22	50173996	-0.32434	-3.03196	0.002809	0.739262
cg04250608	chr1	1.2E+08	-0.38327	-3.04749	0.002675	0.730504
cg11105585	chr21	45759228	0.241129	3.069155	0.002497	0.725673
cg04049203	chr22	44291664	-0.28927	-3.04577	0.002689	0.730531
cg08198377	chr14	51707975	0.451605	3.037287	0.002762	0.736145
cg09858583	chr1	2.48E+08	0.386969	3.027975	0.002844	0.74079
cg18392604	chr14	1.01E+08	0.511843	3.031619	0.002812	0.739262
cg14737125	chr2	2.37E+08	-0.33613	-3.02918	0.002833	0.739757
cg03651852	chr6	52285170	-0.20181	-3.0357	0.002776	0.73737
cg16837326	chr11	1.02E+08	0.318977	3.030612	0.00282	0.739262
cg00082310	chr3	1.72E+08	0.463942	3.055568	0.002607	0.727412
cg12757684	chr6	1.44E+08	-0.37274	-3.05359	0.002624	0.729587
cg07755203	chr2	1.5E+08	0.428273	3.045067	0.002695	0.730928
cg04714110	chr10	21799143	0.361157	3.038787	0.002749	0.736145
cg10631262	chr19	17666381	-0.30786	-3.03192	0.002809	0.739262
cg09170051	chr1	19229061	0.189501	3.043985	0.002704	0.732137
cg05107535	chr16	3242850	0.663287	3.02238	0.002894	0.74079
cg23778358	chr6	30131749	0.46292	3.038932	0.002748	0.736145
cg21246431	chr3	1.42E+08	-0.26327	-3.0466	0.002682	0.730504
cg22139271	chr8	11725596	-0.22916	-3.03461	0.002785	0.738053

cg20784841	chr1	1.97E+08		0.474539	3.035437	0.002778	0.737514
cg26505319	chr6	14408336		0.367049	3.032632	0.002803	0.739262
cg12442902	chr4	7427446		0.629377	3.034846	0.002783	0.737969
cg11314748	chr19	56985323	ZNF667-AS1	-0.37062	-3.03835	0.002753	0.736145
cg19373760	chr1	2.48E+08	ZNF496	-0.45403	-3.03347	0.002795	0.739262
cg17383236	chr7	1E+08		0.277327	3.027399	0.002849	0.74079
cg19914238	chr2	1.13E+08		-0.31608	-3.02501	0.00287	0.74079
cg09336628	chr7	1.43E+08		0.300266	3.027901	0.002845	0.74079
cg04220579	chr7	915756	ZFAND2A	0.285425	3.025604	0.002865	0.74079
cg26215982	chr12	4915878	RAD51AP1	-0.42649	-3.02698	0.002853	0.74079
cg07056962	chr6	99962757		-0.44799	-3.03873	0.002749	0.736145
cg20149431	chr10	3168685		0.329977	3.022441	0.002894	0.74079
cg12048253	chr19	4954627		-0.33007	-3.02958	0.00283	0.739514
cg14510371	chr2	1.22E+08		-0.33721	-3.02997	0.002826	0.739262
cg12608775	chr11	8680517		0.322526	3.035192	0.00278	0.737623
cg15811753	chr2	65454775		-0.21582	-3.04343	0.002709	0.73284
cg05197690	chr15	85197812	GOLGA2P7	-0.24623	-3.0256	0.002865	0.74079
cg16303061	chr12	54974116		-0.32539	-3.03062	0.00282	0.739262
cg00264754	chr11	40136810		-0.5153	-3.03614	0.002772	0.736802
cg22112035	chr11	70002414	CTTN	-0.63754	-3.03807	0.002755	0.736145
cg04576607	chr1	2.36E+08		0.384553	3.018486	0.00293	0.743739
cg03339854	chr16	9797401		-0.45312	-3.03151	0.002813	0.739262
cg16035735	chr7	1.5E+08		0.253545	3.030107	0.002825	0.739262
cg26385172	chr12	1.15E+08	TBX3;TBX5;TBX5-AS1	0.374785	3.046259	0.002685	0.730504

cg17405586	chr12	53074257		-0.3154	-3.02527	0.002868	0.74079
cg25473794	chr11	77921181		0.371755	3.033961	0.002791	0.738814
cg21483929	chr13	20392406		0.50449	3.025307	0.002868	0.74079
cg04253037	chr7	44614489		-0.33364	-3.02039	0.002912	0.742786
cg00455526	chr7	28996196	WIPF3	0.44577	3.040899	0.002731	0.735453
cg01990997	chr3	42977777		0.618824	3.026819	0.002854	0.74079
cg10520405	chr10	820509		-0.43369	-3.02754	0.002848	0.74079
cg24182333	chr10	73610570		0.33595	3.01717	0.002942	0.743739
cg16937611	chr14	95048102	PRIMA1	-0.3752	-3.03077	0.002819	0.739262
cg10739528	chr7	5229821		-0.20986	-3.02239	0.002894	0.74079
cg13740187	chr1	1.54E+08	SLC50A1;INTS3	-0.39485	-3.04021	0.002737	0.736123
cg05337228	chr11	70419071		-0.34507	-3.03224	0.002806	0.739262
cg07015775	chr1	86174125		-0.21734	-3.03884	0.002748	0.736145
cg07270289	chr7	93207872		0.940999	3.048238	0.002668	0.730504
cg20047230	chr16	19535092		0.401019	3.023562	0.002884	0.74079
cg21335958	chr15	41254710		-0.33012	-3.0183	0.002931	0.743739
cg11917968	chr6	1.69E+08		0.42833	3.028023	0.002843	0.74079
cg13442728	chr9	1.39E+08	PPP1R26-AS1;C9orf173	0.274422	3.023432	0.002885	0.74079
cg08271996	chr1	62739132		-0.32434	-3.03051	0.002821	0.739262
cg14774305	chr5	1.37E+08		0.318205	3.030993	0.002817	0.739262
ch.7.163474F	chr7	3469498		-0.39071	-3.01654	0.002948	0.743739
cg10896827	chr4	1.87E+08		0.46765	3.016355	0.002949	0.743739
cg15098077	chr1	34642000		-0.36576	-3.01447	0.002967	0.743798
cg05246645	chr5	1.38E+08	TMEM173;SLC23A1	-0.26716	-3.02406	0.002879	0.74079

cg23599229	chr17	7230234		0.321955	3.030116	0.002825	0.739262
cg05446539	chr8	976072	ENSG00000272005	-0.46493	-3.0213	0.002904	0.741937
cg19077494	chr2	1.59E+08		0.361437	3.022241	0.002895	0.74079
cg08228917	chr13	40177062		-0.25912	-3.03139	0.002814	0.739262
cg20062691	chr1	949392		0.340113	3.016376	0.002949	0.743739
cg17411031	chr13	1.13E+08	ATP11A;ADPRHL1;LAMP1	0.317004	3.020371	0.002913	0.742786
cg17944885	chr19	12225735		-0.38507	-3.01226	0.002987	0.743798
cg18065811	chr4	1.86E+08		0.374648	3.009668	0.003012	0.743798
ch.18.844464R	chr18	43853776		0.492692	3.02232	0.002895	0.74079
cg10523696	chr4	106750		0.329209	3.037017	0.002764	0.736145
cg08483834	chr6	33248239	ZBTB9	0.297012	3.032724	0.002802	0.739262
cg26933359	chr14	20937370		0.400198	3.022834	0.00289	0.74079
cg16728616	chr21	35747582		-0.20199	-3.02306	0.002888	0.74079
cg16971380	chr15	48483080		0.441391	3.01658	0.002947	0.743739
cg13898548	chr5	1.77E+08		-0.22442	-3.0112	0.002997	0.743798
cg01111006	chr6	11161658	TFAP2A	-0.50895	-3.01848	0.00293	0.743739
cg04194341	chr13	96293572		0.54218	3.019415	0.002921	0.743739
cg26516499	chr6	32149183	PPT2-EGFL8	0.283002	3.014146	0.00297	0.743798
cg15885043	chr15	29383103	NDNL2;WHAMMP2	-0.27575	-3.01462	0.002965	0.743798
cg06615040	chr1	85156266		-0.28245	-3.0139	0.002972	0.743798
cg05712903	chr5	1.79E+08		-0.3379	-3.01774	0.002937	0.743739
cg16719810	chr8	865742		-0.27791	-3.01346	0.002976	0.743798
cg02835734	chr2	28974942		-0.34014	-3.02363	0.002883	0.74079
cg21678312	chr12	71314587		0.372437	3.010563	0.003003	0.743798

cg17420659	chr11	1.08E+08		0.469196	3.019832	0.002917	0.743584
cg03639919	chr7	44191311		0.279125	3.021634	0.002901	0.741609
cg07128330	chr12	2921958		-0.29154	-3.02639	0.002858	0.74079
cg00632657	chr10	27703336		0.506016	3.013479	0.002976	0.743798
cg09070760	chr17	5412948		0.300144	3.014431	0.002967	0.743798
cg22745355	chr7	2623374	CHST12;BRAT1	0.375502	3.022177	0.002896	0.74079
cg06602601	chr8	67977437		-0.31019	-3.02948	0.002831	0.739514
cg13762082	chr5	31640096		-0.37464	-3.01723	0.002941	0.743739
cg07787666	chr10	1.35E+08	LRRC27;TTC40;KNDC1;INPP5A;TUBGCP2	-0.34491	-3.02654	0.002857	0.74079
cg02454636	chr16	87885301		0.240341	3.026862	0.002854	0.74079
cg05536439	chr10	1.35E+08		0.335945	3.025136	0.002869	0.74079
cg04547170	chr19	4670527		-0.36715	-3.02319	0.002887	0.74079
cg22824998	chr19	46974972	PNMAL1	0.428024	3.015728	0.002955	0.743798
cg06800321	chr11	67211054		-0.21952	-3.02428	0.002877	0.74079
cg14586555	chr19	3273583		-0.35333	-3.01217	0.002988	0.743798
cg21905437	chr5	1.78E+08		0.587356	3.009303	0.003015	0.743798
cg25708328	chr2	1.77E+08		0.431705	3.016807	0.002945	0.743739
cg14864352	chr8	1041611		-0.28327	-3.03389	0.002792	0.738814
cg12052661	chr9	1.41E+08		0.321124	3.009687	0.003011	0.743798
cg09160020	chr5	72740748		0.379719	3.022505	0.002893	0.74079
cg24813038	chr4	85404026		0.377051	3.010785	0.003001	0.743798
cg11011759	chr15	56758270		0.460138	3.019279	0.002922	0.743739
cg02381751	chr2	32503542		0.428586	3.012425	0.002986	0.743798

cg04156369	chr1	1.02E+08		0.216266	3.006777	0.003039	0.743798
cg10182244	chr14	1.03E+08		-0.31608	-3.01545	0.002958	0.743798
cg02932669	chr13	1.02E+08		0.330724	3.006592	0.003041	0.743798
cg02362686	chr1	1.51E+08		-0.17446	-3.01387	0.002972	0.743798
cg19844325	chr19	18314808		-0.17671	-3.00247	0.00308	0.743798
cg01109574	chr2	36824259		0.470433	3.017714	0.002937	0.743739
cg09449927	chr3	65983019		-0.46653	-3.00993	0.003009	0.743798
cg00301018	chr16	352599		0.312365	3.017838	0.002936	0.743739
cg26114457	chr1	1.58E+08		-0.36328	-3.02425	0.002877	0.74079
cg23954057	chr6	1.64E+08		0.45443	3.004977	0.003056	0.743798
cg07023208	chr6	32797253	HLA-DMA;PSMB9	0.576321	3.005945	0.003047	0.743798
cg23093090	chr10	1.05E+08	ARL3;CNNM2;SH3PXD2A;C10orf95;LDB1;GBF1;KCNIP2;TRIM8	0.51981	3.014095	0.00297	0.743798
cg08969922	chr8	1.46E+08		-0.51461	-3.0066	0.003041	0.743798
cg10580282	chr3	50340564		-0.23682	-3.0176	0.002938	0.743739
cg25765027	chr8	46940943		0.344811	3.005527	0.003051	0.743798
cg07200897	chr3	1.23E+08		-0.34526	-3.00312	0.003074	0.743798
cg20659025	chr11	1.26E+08		-0.21126	-3.0154	0.002958	0.743798
cg17782000	chr19	18303124		0.465748	3.008574	0.003022	0.743798
cg15032638	chr10	51565035		-0.54391	-3.00221	0.003083	0.743798
cg25568561	chr14	1.02E+08		-0.43912	-3.01666	0.002947	0.743739
cg17108064	chr15	78857060		0.442324	3.013048	0.00298	0.743798
cg17522601	chr12	1.33E+08		0.443765	3.009967	0.003009	0.743798

cg10210369	chr15	90197924		0.43647	3.009673	0.003012	0.743798
cg03408920	chr4	1.44E+08		-0.26349	-3.00549	0.003051	0.743798
cg01435791	chr19	4585323		-0.28749	-3.00721	0.003035	0.743798
cg01963976	chr14	21498561		0.271924	3.018763	0.002927	0.743739
cg01924372	chr16	28309935	ENSG00000260908;KIAA0556	0.372094	3.00831	0.003024	0.743798
cg24487784	chr11	696252	TMEM80	-0.23461	-3.02237	0.002894	0.74079
cg16037062	chr1	2.04E+08	NFASC	-0.26197	-3.00442	0.003061	0.743798
cg13078847	chr4	3664401	ADD1	-0.44895	-3.01023	0.003006	0.743798
cg09002677	chr17	5999		-0.48441	-3.0038	0.003067	0.743798
cg07484849	chr19	12886986		0.31141	3.006077	0.003046	0.743798
cg26224473	chr7	9672879		-0.46502	-3.00072	0.003097	0.743798
cg02426623	chr12	3259078	CACNA1C-AS4;PRMT8;TULP3;CACNA1C;TSPAN9;CACNA1C-IT3	-0.45049	-3.00459	0.00306	0.743798
cg19143211	chr6	1.24E+08		-0.50765	-3.00802	0.003027	0.743798
cg03402922	chr11	68134331		0.251034	2.999898	0.003105	0.743798
cg26288160	chr1	1.51E+08		0.303371	3.005957	0.003047	0.743798
cg09028899	chr13	1.15E+08		0.386701	3.023828	0.002881	0.74079
cg17409809	chr5	1667128		-0.36898	-3.01208	0.002989	0.743798
cg03759236	chr15	68891950	CORO2B	-0.32185	-3.00652	0.003041	0.743798
cg25353171	chr8	9755804		0.451556	2.995712	0.003146	0.743798
cg13728394	chr3	44115791		-0.2863	-2.99567	0.003146	0.743798
cg25821304	chr17	29297824		-0.41785	-3.00049	0.003099	0.743798

cg26681628	chr16	54210550	IRX3;RPGRIP1L;FTO;FTO-IT1;CRNDE	0.459009	3.007471	0.003032	0.743798
cg18239253	chr20	238156		0.441234	2.995791	0.003145	0.743798
cg26789319	chr5	60995472		-0.29328	-2.99644	0.003139	0.743798
cg05318169	chr6	33255475	DAXX	0.226288	3.003793	0.003067	0.743798
cg05570739	chr16	89757371		-0.28018	-3.00401	0.003065	0.743798
cg24296452	chr19	50666538		0.617367	3.00438	0.003062	0.743798
cg06949081	chr1	51435859		0.311215	3.011718	0.002992	0.743798
cg01907837	chr6	37321337		0.405655	3.001359	0.003091	0.743798
cg24888352	chr10	2908597		-0.43479	-3.00237	0.003081	0.743798
cg20021570	chr14	1.01E+08		-0.39444	-2.99913	0.003112	0.743798
cg26525486	chr22	32146186	PIK3IP1;RNF185;PATZ1	-0.22227	-3.00499	0.003056	0.743798
cg00790916	chr22	42080705		-0.38158	-2.99197	0.003183	0.747415
cg00107890	chr15	71492746	UACA	0.282994	3.00139	0.00309	0.743798
cg04698650	chr16	57760170		-0.36732	-3.02036	0.002913	0.742786
cg11218619	chr3	1.97E+08		0.586832	2.994081	0.003162	0.745383
cg24354924	chr6	33288680		0.440212	2.997454	0.003129	0.743798
cg14126461	chr19	44144585	LYPD3;KCNN4	-0.31105	-3.00901	0.003018	0.743798
cg23601376	chr2	40678101		0.386673	2.997424	0.003129	0.743798
cg12506013	chr19	14991752	ASF1B	-0.37151	-3.00297	0.003075	0.743798
cg16065899	chr11	44332958		0.280094	2.994178	0.003161	0.745383
cg15690525	chr8	68864964		-0.33051	-2.9985	0.003118	0.743798
cg00966749	chr8	1.42E+08		-0.29741	-3.01324	0.002978	0.743798
cg10519460	chr12	1.31E+08		-0.34177	-3.00609	0.003045	0.743798

cg10613252	chr2	10953011		-0.23263	-2.99855	0.003118	0.743798
cg16065538	chr17	32964615	SLFN12L;ENSG00000267046;ENSG00000255987	0.438887	2.994451	0.003158	0.745383
cg15991862	chr12	1.11E+08		-0.21336	-3.00457	0.00306	0.743798
cg03781505	chr17	16310359		0.327723	3.015878	0.002954	0.743798
cg26755083	chr2	1.53E+08		0.368883	3.005271	0.003053	0.743798
cg27182555	chr4	83821584		-0.29889	-2.9962	0.003141	0.743798
cg15962965	chr12	1.33E+08		-0.2816	-3.00398	0.003066	0.743798
cg06602723	chr17	46693336		0.302335	3.000223	0.003102	0.743798
cg02709167	chr1	31996811		-0.77648	-2.9963	0.00314	0.743798
cg16731240	chr19	52391250		0.689514	2.992119	0.003181	0.747415
cg05533723	chr15	31441236	FAN1	0.280745	2.989143	0.003211	0.748788
cg20060080	chr15	44063940	SERF2	-0.30523	-3.00054	0.003099	0.743798
cg07697201	chr16	12853189		-0.40354	-3.00288	0.003076	0.743798
cg07203423	chr2	74743009		0.651655	2.998488	0.003119	0.743798
cg02926033	chr7	1.55E+08		-0.31282	-3.00015	0.003102	0.743798
cg10186768	chr16	3613274		-0.2533	-3.00085	0.003096	0.743798
cg14419310	chr9	85677330		0.40537	2.995513	0.003148	0.743798
cg06890890	chr7	1.56E+08	SHH	-0.39417	-2.99624	0.003141	0.743798
cg04550103	chr2	2.35E+08		0.305396	3.003004	0.003075	0.743798
cg09115026	chr6	84232241		-0.42045	-3.01183	0.002991	0.743798
cg17760571	chr5	74062831		-0.37315	-2.99704	0.003133	0.743798
cg17430393	chr2	17722068		-0.36199	-3.01067	0.003002	0.743798
cg08949408	chr10	16562470		0.317523	3.004991	0.003056	0.743798

cg20539816	chr17	5988249		-0.48212	-3.00062	0.003098	0.743798
cg26003813	chr16	23689802	ENSG00000261528	0.289419	3.006835	0.003038	0.743798
cg20578159	chr12	1.14E+08		-0.20728	-2.99897	0.003114	0.743798
cg16496750	chr12	1.06E+08		-0.22891	-2.99415	0.003161	0.745383
cg18342196	chr19	12402933		0.336871	3.000505	0.003099	0.743798
cg25889711	chr10	1.02E+08		0.407349	2.998438	0.003119	0.743798
cg23287222	chr1	6845431		-0.22548	-2.99751	0.003128	0.743798
cg10149225	chr19	58521273	ZNF134;ZNF671;ZIK1	0.483567	2.988912	0.003213	0.748788
cg22378614	chr19	10981704		0.21616	3.00564	0.00305	0.743798
ch.2.6569 2908F	chr2	65839404		-0.42845	-2.9979	0.003124	0.743798
cg00489401	chr5	1.8E+08		0.462716	2.99216	0.003181	0.747415
cg27613749	chr6	25756473		-0.37562	-2.99875	0.003116	0.743798
cg06986543	chr20	60942666		-0.34408	-2.98608	0.003241	0.750847
cg15463280	chr11	96450386		0.420094	2.988429	0.003218	0.749503
cg11208869	chr5	1.54E+08		0.382962	3.009114	0.003017	0.743798
cg23526353	chr4	1E+08		-0.26355	-2.99177	0.003184	0.747466
cg15629134	chr6	43027399		-0.21906	-2.99197	0.003182	0.747415
cg14665965	chr5	1.35E+08	H2AFY	0.307023	2.99751	0.003128	0.743798
cg22452230	chr15	69754698		0.345283	2.997814	0.003125	0.743798
cg24657817	chr4	42153708		0.28757	2.985513	0.003247	0.750847
cg14848594	chr1	2.2E+08		0.343161	2.989472	0.003207	0.748788
cg20547407	chr7	1.55E+08		0.425848	2.990582	0.003196	0.748584
cg21522254	chr12	27175280		-0.29391	-3.01144	0.002995	0.743798
cg09344740	chr14	67995755		-0.27794	-2.98549	0.003247	0.750847

cg00994583	chr17	36613498		0.215133	2.991532	0.003187	0.747604
cg25644095	chr19	3030324		-0.35878	-2.9925	0.003177	0.747415
cg25162533	chr17	81032067		-0.32032	-2.98159	0.003287	0.750954
cg25462842	chr5	1.79E+08		0.387478	3.002127	0.003083	0.743798
cg02687067	chr5	1.54E+08		0.201384	2.989488	0.003207	0.748788
cg12553223	chr20	55044302		-0.45167	-2.99135	0.003189	0.74761
cg27649089	chr8	22436424	DMTN;NPM2;SORBS3;SLC39A14	-0.27005	-2.9874	0.003228	0.750685
cg09646593	chr4	1.26E+08		0.410376	2.996411	0.003139	0.743798
cg20325454	chr2	74078577	ALMS1;FBXO41	0.311438	2.999119	0.003112	0.743798
cg23680787	chr14	1.05E+08		-0.35971	-2.98228	0.00328	0.750847
cg00629370	chr12	28123081		-0.23454	-2.99547	0.003148	0.743798
cg03705346	chr8	37962920	ENSG00000254111	-0.20224	-2.99867	0.003117	0.743798
cg23409608	chr8	1.29E+08		-0.21894	-3.00061	0.003098	0.743798
cg17663406	chr10	88022641		0.326013	2.99203	0.003182	0.747415
cg08367069	chr2	36565096	ENSG00000272054	-0.4822	-2.9863	0.003239	0.750847
cg09541000	chr20	42143489		0.302639	2.988963	0.003212	0.748788
cg23397571	chr11	6440463		-0.22506	-2.99065	0.003196	0.748584
cg14142965	chr12	1.05E+08		-0.31399	-2.98397	0.003263	0.750847
cg22068044	chr9	1.4E+08		-0.21552	-2.98624	0.00324	0.750847
cg05342945	chr12	48394962		0.389507	2.997016	0.003133	0.743798
cg03718655	chr16	5008289		-0.19567	-2.98746	0.003227	0.750685
ch.6.150914 66F	chr6	14983487		-0.57783	-2.97974	0.003306	0.751685
cg16284238	chr6	87196595		-0.425	-2.98788	0.003223	0.75037
cg11905007	chr3	62861071		0.461375	2.990264	0.003199	0.748774

cg17036654	chr5	1.27E+08		-0.2742	-2.97712	0.003333	0.751756
cg01679528	chr6	10430966		-0.29551	-2.98164	0.003286	0.750954
cg03717616	chr9	1.39E+08		-0.28858	-2.98321	0.00327	0.750847
cg13362320	chr15	1.01E+08		0.415521	2.982695	0.003276	0.750847
cg23932332	chr1	2.22E+08	ENSG00000225265;FAM177B;MARC2;DUSP10	0.528835	3.003801	0.003067	0.743798
cg15741855	chr2	31440451	CAPN14;ENSG00000235997	-0.67834	-2.98316	0.003271	0.750847
cg03377286	chr10	5781747		-0.3135	-2.98257	0.003277	0.750847
cg15727424	chr6	32016100	HLA-C;PSMB8	0.471797	2.986277	0.003239	0.750847
cg26146988	chr14	1.02E+08		-0.30681	-2.98309	0.003272	0.750847
cg15524173	chr19	40854170		-0.22288	-2.98656	0.003236	0.750847
cg10849289	chr21	46087249		-0.50366	-2.98987	0.003203	0.748788
cg11074814	chr11	43601969		0.336117	2.975554	0.003349	0.752954
cg11230363	chr10	72039764		-0.49078	-2.97539	0.003351	0.752954
cg19312085	chr1	2.48E+08	TFB2M;NLRP3;ZNF124	0.519585	2.981331	0.003289	0.75106
ch.3.1112380F	chr3	51439951		0.478026	2.978906	0.003314	0.751685
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cg06688182	chr11	1.26E+08		-0.55685	-2.98292	0.003273	0.750847
cg18451310	chr22	42017231		0.323191	2.989156	0.00321	0.748788
cg15789607	chr19	4769690		0.385397	2.978018	0.003323	0.751756
cg01466631	chr17	1094369		-0.48741	-2.98099	0.003293	0.751445
cg21498547	chr8	1651128		-3.96797	-2.9668	0.003441	0.753539

			TNRC6C;ENSG00000178404;C1QTNF1;SYNGR2;ENSG00000267491;TIMP2;CYTH1				
cg20398362	chr17	76228626		0.210278	2.984064	0.003262	0.750847
cg09350548	chr16	77270312		0.455098	2.983409	0.003268	0.750847
cg05512100	chr7	32109997		0.440339	2.983051	0.003272	0.750847
cg25839023	chr3	22414349		0.393	2.97718	0.003332	0.751756
cg22658451	chr6	1.17E+08		0.429209	2.985569	0.003246	0.750847
cg27327357	chr16	31128929		-0.24349	-2.97995	0.003304	0.751685
cg10093833	chr1	17942618		0.283638	2.986194	0.00324	0.750847
cg01589412	chr2	62133120		-0.25009	-2.98211	0.003281	0.750847
cg18292664	chr11	20181877	ENSG00000255160	0.610753	2.984637	0.003256	0.750847
cg01936220	chr13	1.15E+08	GAS6	-0.47755	-2.97816	0.003322	0.751756
cg22104487	chr8	42010424		0.257017	2.984448	0.003258	0.750847
cg11957400	chr12	2017093		0.596348	2.985191	0.00325	0.750847
cg24680979	chr2	85788672		0.208558	2.978622	0.003317	0.751685
cg22131452	chr12	1.32E+08		-0.2113	-2.97287	0.003377	0.753082
cg15632839	chr1	2.3E+08		-0.43754	-2.97596	0.003345	0.752954
cg16818145	chr3	1.83E+08		0.378125	2.97882	0.003315	0.751685
cg14173258	chr6	28832474	ZKSCAN8	0.343467	2.984719	0.003255	0.750847
cg03347632	chr1	2.3E+08		0.68607	2.973611	0.003369	0.753082
cg23789054	chr6	28832537		0.456451	2.978489	0.003319	0.751685
cg00160478	chr2	20739356	WDR35;SDC1;C2orf43;HS1BP3	-0.35312	-2.97575	0.003347	0.752954

cg02888048	chr7	98335163		0.424128	2.979028	0.003313	0.751685
cg09295799	chr6	5994235		0.466884	2.970711	0.003399	0.753539
cg11789530	chr4	8429930		-0.24528	-2.98274	0.003275	0.750847
cg23193320	chr3	11608514		0.478612	2.996516	0.003138	0.743798
cg23475112	chr5	1.32E+08		-0.71895	-2.97748	0.003329	0.751756
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cg22941646	chr1	2.36E+08		0.417794	2.980167	0.003301	0.751685
cg22915534	chr4	8160569		0.159387	2.992149	0.003181	0.747415
cg08320861	chr6	33095982		-0.22499	-2.97895	0.003314	0.751685
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cg20453969	chr10	27541301		0.352041	2.978915	0.003314	0.751685
cg26157031	chr11	1.02E+08		-0.44844	-2.97334	0.003372	0.753082
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cg02523018	chr10	1.02E+08	SNORA12;LINC00263	-0.28842	-2.97336	0.003372	0.753082
cg22523072	chr1	2.48E+08		0.646901	2.974716	0.003358	0.753082
cg17104824	chr2	1.77E+08		0.285943	2.990148	0.003201	0.748774
cg25572695	chr12	1.32E+08		-0.36098	-2.97389	0.003366	0.753082
cg08020574	chr16	89557182		-0.20564	-2.97888	0.003314	0.751685
cg14460953	chr17	7835493		0.195515	3.005199	0.003054	0.743798
cg06678005	chr10	1.3E+08		-0.27421	-2.97569	0.003347	0.752954
cg14117180	chr9	95858233		0.291226	2.969689	0.00341	0.753539
cg13917712	chr19	38714681		-0.2206	-2.97279	0.003378	0.753082
cg01226029	chr4	8588929		-0.30516	-2.98547	0.003247	0.750847
cg05062179	chr17	76987630		0.360308	2.981549	0.003287	0.750954

cg11469285	chr4	1.01E+08		-0.28939	-2.96943	0.003413	0.753539
cg21657577	chr19	52956622	ZNF415	0.334035	2.967227	0.003436	0.753539
cg20463533	chr10	1.35E+08	ECHS1	0.40555	2.973352	0.003372	0.753082
cg22018967	chr1	16073520		-0.33392	-2.97183	0.003388	0.753082
cg19241831	chr2	26782726		-0.32636	-2.97024	0.003404	0.753539
cg16245111	chr14	96750514		-0.40668	-2.97521	0.003352	0.752968
cg00674679	chr2	1.77E+08		0.453365	2.968363	0.003424	0.753539
cg19031374	chr3	49591752		-0.21247	-2.97211	0.003385	0.753082
cg02071005	chr2	1.75E+08		0.528316	2.966788	0.003441	0.753539
cg19626546	chr15	89074512		0.291094	2.97231	0.003383	0.753082
cg16073236	chr7	1.08E+08		-0.50204	-2.9648	0.003462	0.753539
cg05120156	chr1	2.28E+08		0.28714	2.971452	0.003392	0.753082
cg18053383	chr12	29285982		-0.43728	-2.96879	0.00342	0.753539
cg12157673	chr19	52996617		0.495498	2.967983	0.003428	0.753539
cg00750917	chr8	1.4E+08		-0.31947	-2.96496	0.00346	0.753539
cg05711542	chr1	90460799		0.229958	2.967824	0.00343	0.753539
cg14619640	chr6	30585541		-0.21625	-2.97051	0.003402	0.753539
cg02940147	chr11	1.25E+08	ROBO3	0.563231	2.969526	0.003412	0.753539
cg06498267	chr5	45695922		0.51162	2.961893	0.003493	0.753539
cg27591053	chr5	1.81E+08		-0.23084	-2.97746	0.003329	0.751756
cg00837812	chr7	1.39E+08		0.450207	2.96532	0.003457	0.753539
cg19446077	chr3	1.72E+08		0.344239	2.974645	0.003358	0.753082
cg03068030	chr22	46688823		0.329051	2.972486	0.003381	0.753082

cg20221381	chr7	857981	SUN1;HEATR2;FAM20C;PDGFA;PRKAR1B	-0.62762	-2.96593	0.00345	0.753539
cg07856071	chr5	15928114		-0.44273	-2.97997	0.003303	0.751685
cg23643980	chr6	37592975		-0.22987	-2.97741	0.00333	0.751756
cg07913999	chr7	99613796		-0.23392	-2.97155	0.003391	0.753082
cg00437048	chr10	3162191		0.501873	2.967714	0.003431	0.753539
cg22215631	chr3	1.47E+08		0.351062	2.963014	0.003481	0.753539
cg12584355	chr7	1.01E+08		0.224113	2.963818	0.003473	0.753539
cg18928153	chr9	37030203		-0.38712	-2.96633	0.003446	0.753539
cg17703048	chr11	1.34E+08	JAM3	-0.53586	-2.97993	0.003304	0.751685
cg07175255	chr10	1.31E+08		0.621254	2.960953	0.003503	0.753539
cg27646848	chr11	62389601		-0.20442	-2.97202	0.003386	0.753082
cg09211494	chr2	2.25E+08		-0.34336	-2.97319	0.003373	0.753082
cg22226091	chr18	43684032		0.358263	2.976231	0.003342	0.752954
cg21160105	chr20	62384326		-0.36928	-2.96632	0.003446	0.753539
cg21117330	chr5	1.41E+08		0.504275	2.966195	0.003447	0.753539
cg00698771	chr1	1.13E+08		0.781823	2.964358	0.003467	0.753539
cg02023402	chr7	82100675		0.323213	2.970412	0.003403	0.753539
cg21164303	chr15	79603277		-0.33952	-2.9649	0.003461	0.753539
cg13024389	chr5	1.54E+08		0.305437	2.970247	0.003404	0.753539
cg20695433	chr19	30019102		0.389882	2.963927	0.003471	0.753539
cg04611203	chr20	2781438		0.327777	2.960834	0.003505	0.753539
cg24082680	chr1	63249199		0.744092	2.962045	0.003492	0.753539
cg22099404	chr17	4458623		-0.20796	-2.9679	0.003429	0.753539

cg03571121	chr11	2832861		-0.30408	-2.9624	0.003488	0.753539
cg14058774	chr5	3286025		-0.39771	-2.96123	0.003501	0.753539
cg10442157	chr11	61284134		-0.34383	-2.97161	0.00339	0.753082
cg13357903	chr1	2.23E+08		0.303191	2.959896	0.003515	0.754746
cg20476021	chr11	1.23E+08		0.414077	2.969258	0.003415	0.753539
cg17379532	chr9	1.17E+08		0.316728	2.9695	0.003412	0.753539
cg06929595	chr16	20085625		0.395806	2.956487	0.003552	0.758341
ch.10.79767096R	chr10	80097090		0.336896	2.972926	0.003376	0.753082
cg13291004	chr3	47844187		-0.23481	-2.95928	0.003522	0.754937
cg22982767	chr22	46454012		-0.35093	-2.96581	0.003451	0.753539
cg19922281	chr3	50540680		-0.18081	-2.95983	0.003516	0.754746
cg25270424	chr7	24965657	OSBPL3;DFNA5;ENSG00000260951;C7orf31;MPP6	0.405714	2.984039	0.003262	0.750847
cg17918501	chr2	27717709		0.402244	2.97705	0.003333	0.751756
cg17933722	chr1	1.17E+08		0.352516	2.964326	0.003467	0.753539
cg02569437	chr6	42947051	CRIP3	-0.17334	-2.96556	0.003454	0.753539
cg10343742	chr3	1.37E+08		0.304238	2.953954	0.00358	0.758629
cg04500909	chr5	1.59E+08		-0.33604	-2.95189	0.003603	0.760039
cg09863441	chr6	87647129		0.313186	2.957918	0.003536	0.756295
cg01768385	chr15	22960745		0.269415	2.964542	0.003465	0.753539
cg23680821	chr1	1.09E+08	CLCC1	0.51049	2.976923	0.003335	0.751756
cg19042013	chr7	68947865		0.363461	2.95307	0.00359	0.760039
cg04493169	chr7	27912112	HOXA-AS2;HOXA3;HOXA5;HOXA2	0.409057	2.960083	0.003513	0.754746

cg25648639	chr10	32216910		-0.22796	-2.96568	0.003453	0.753539
cg08932256	chr12	1.16E+08		0.632253	2.955209	0.003566	0.758529
cg25382652	chr17	3716426		0.407978	2.954663	0.003572	0.758529
cg08854582	chr1	45265622		-0.20774	-2.95689	0.003548	0.757811
cg13930557	chr9	1.4E+08	ABCA2;NPDC1	0.387154	2.960903	0.003504	0.753539
cg25892537	chr4	6611128		-0.39825	-2.96086	0.003504	0.753539
cg26647617	chr2	73519343		0.265857	2.961046	0.003502	0.753539
cg08188330	chr19	50666484		0.436764	2.951407	0.003608	0.760076
cg12354192	chr3	1.71E+08	FNDC3B;CLDN11;PLD1	-0.45494	-2.96101	0.003503	0.753539
cg16900980	chr19	44303058		-0.28682	-2.95926	0.003522	0.754937
cg09275783	chr10	77195235		0.30814	2.951249	0.00361	0.760076
cg21028633	chr14	60043767		0.475185	2.961309	0.0035	0.753539
cg00783916	chr19	12835059		0.256926	2.966976	0.003439	0.753539
cg03424246	chr1	38945700		-0.40423	-2.97296	0.003376	0.753082
cg19979590	chr15	63011250		-0.41869	-2.94964	0.003628	0.760469
cg02252907	chr19	2151887		0.327847	2.957728	0.003539	0.756295
ch.1.47985357R	chr1	2.41E+08		-0.37576	-2.96144	0.003498	0.753539
cg18052665	chr6	74064140		0.829338	2.952157	0.0036	0.760039
cg07570159	chr2	1.28E+08		0.274454	2.962633	0.003485	0.753539
cg00223245	chr3	64307530	ADAMTS9;PRICKLE2	-0.48778	-2.96541	0.003456	0.753539
cg08251398	chr19	15490696		-0.21791	-2.95606	0.003557	0.758341
cg16314432	chr6	1.59E+08		-0.27085	-2.95242	0.003597	0.760039
cg00132616	chr10	63663140		-0.25245	-2.95149	0.003607	0.760076
cg09684233	chr2	1.75E+08		0.459036	2.9577	0.003539	0.756295

cg24512132	chr1	2.29E+08		-0.22558	-2.95556	0.003562	0.758529
cg24366127	chr3	1.13E+08		0.37119	2.962006	0.003492	0.753539
cg13842556	chr10	88023243		0.418568	2.952182	0.0036	0.760039
cg23670519	chr1	2.06E+08		0.389483	2.974218	0.003363	0.753082
cg17810781	chr1	2.01E+08		0.438203	2.945323	0.003676	0.762378
cg16911349	chr19	10406935	ENSG00000175898;ICAM1	0.370016	2.957892	0.003537	0.756295
cg09877301	chr6	1.69E+08		-0.42549	-2.94911	0.003634	0.760469
cg23264776	chr1	18686650		-0.55583	-2.96542	0.003455	0.753539
cg04403629	chr3	1.15E+08		-0.4695	-2.95432	0.003576	0.758529
cg25886284	chr19	36909418		0.388997	2.961095	0.003502	0.753539
cg25525068	chr15	79589996		0.352696	2.954008	0.003579	0.758629
cg06454283	chr8	40552037		-0.28062	-2.96315	0.00348	0.753539
cg23365183	chr10	1.03E+08		0.357757	2.948854	0.003637	0.760469
cg15771683	chr20	62697566		-0.40333	-2.95004	0.003623	0.760345
cg14585167	chr2	709329		0.414933	2.954376	0.003575	0.758529
cg04797936	chr12	49659154		-0.22901	-2.96576	0.003452	0.753539
cg01373151	chr15	72613029		0.291639	2.968005	0.003428	0.753539
cg20446938	chr9	37753072		-0.4285	-2.94678	0.00366	0.760483
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cg21860452	chr15	80189582		0.204549	2.952326	0.003598	0.760039
cg07519373	chr19	9650240	ZNF559;ENSG00000270614	0.228674	2.958974	0.003525	0.755216
cg20737382	chr12	56040096		0.624292	2.94619	0.003666	0.761126
cg06635722	chr4	13532622		0.319156	2.943064	0.003702	0.763068
cg03310167	chr8	1649143		0.468907	2.952213	0.003599	0.760039

cg18700428	chr16	3243304		0.418562	2.948371	0.003642	0.760469
cg26407146	chr1	19229049		0.243683	2.947698	0.00365	0.760483
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cg12528115	chr3	1.16E+08	ZBTB20;LSAMP	-0.54523	-2.95476	0.003571	0.758529
cg22539356	chr15	87667434		0.542517	2.950015	0.003624	0.760345
cg07392307	chr10	81319751	ZCCHC24	-0.33963	-2.95944	0.00352	0.754937
cg03960804	chr1	15570129		0.246522	2.954347	0.003576	0.758529
cg05521982	chr16	89159988		0.411924	2.950223	0.003621	0.760345
cg01380607	chr19	996373	WDR18	0.580462	2.950785	0.003615	0.760345
cg21216477	chr12	54440773		0.297411	2.952328	0.003598	0.760039
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cg21558268	chr19	2785419		0.161551	2.954642	0.003572	0.758529
cg20083388	chr19	56615895		0.481553	2.942998	0.003703	0.763068
cg05837890	chr20	4702538		-0.35506	-2.94707	0.003657	0.760483
cg12038518	chr11	1.28E+08		-0.62753	-2.94098	0.003726	0.764333
cg24768365	chr12	43944652		0.340822	2.943595	0.003696	0.762773
cg23257935	chr1	1.19E+08		0.397081	2.948812	0.003637	0.760469
cg24365215	chr20	61315208	MRGBP	-0.32058	-2.9651	0.003459	0.753539
cg07559653	chr16	75032477		-0.293	-2.96162	0.003496	0.753539
cg12820122	chr11	76156044		0.180492	2.944861	0.003681	0.762378
cg07928541	chr7	1.51E+08		-0.21395	-2.94843	0.003641	0.760469
cg20007890	chr10	468755		0.322135	2.956019	0.003557	0.758341
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cg00933924	chr22	36903051		-0.27551	-2.95562	0.003562	0.758529
cg09331651	chr16	87100066		-0.43548	-2.94706	0.003657	0.760483
cg08221207	chr11	1.25E+08		0.357593	2.944698	0.003683	0.762378
cg06177791	chr1	82092210		-0.54746	-2.94749	0.003652	0.760483
cg02381468	chr5	1.32E+08		-0.21699	-2.94392	0.003692	0.762378
cg16158843	chr3	9595646		0.417246	2.955262	0.003566	0.758529
cg26460506	chr16	13874207		-0.35597	-2.96336	0.003478	0.753539
cg08111629	chr3	42977953		0.527643	2.948787	0.003637	0.760469
cg13930388	chr9	1.34E+08		-0.28131	-2.93773	0.003763	0.764333
cg27083284	chr12	60663727		-0.5372	-2.9393	0.003745	0.764333
cg12668482	chr8	72987762		0.389497	2.950417	0.003619	0.760345
cg19926505	chr6	33239487	SYNGAP1;RGL2	-0.22662	-2.93983	0.003739	0.764333
cg08617160	chr19	345312		0.478586	2.945002	0.00368	0.762378
cg13825876	chr6	39902443		0.394758	2.946938	0.003658	0.760483
cg01909621	chr5	1.77E+08		0.32226	2.939585	0.003742	0.764333
cg21576154	chr15	90437891		0.550401	2.942162	0.003712	0.764294
cg20196215	chr13	23422801		-0.42158	-2.93818	0.003758	0.764333
cg20477084	chr18	76769175		0.342212	2.943363	0.003698	0.76295
cg19030994	chr5	273394	ENSG00000188242	-0.28417	-2.94497	0.00368	0.762378
cg19531536	chr14	76873334	TMEM63C	-0.28571	-2.93798	0.00376	0.764333
cg23752380	chr4	1.01E+08	ADH4	0.285183	2.938112	0.003759	0.764333
cg06180915	chr7	2394179		-0.23663	-2.95601	0.003557	0.758341
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cg02263999	chr15	66994432		-0.30972	-2.93692	0.003772	0.764333

cg20699960	chr11	64135904		-0.30049	-2.96172	0.003495	0.753539
cg09002919	chr12	50339186		0.4853	2.937725	0.003763	0.764333
cg26414257	chr4	6888038	S100P;AFAP1;CCDC96	0.292008	2.958721	0.003528	0.755429
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cg21370986	chr7	6145114		0.17212	2.939597	0.003742	0.764333
cg12924302	chr5	1.54E+08		0.623089	2.931656	0.003834	0.765667
cg18489614	chr14	95027530		-0.28387	-2.93685	0.003773	0.764333
cg23090396	chr1	3407936	MMEL1	-0.22158	-2.9417	0.003717	0.764325
cg08715465	chr4	7666117		-0.33882	-2.93634	0.003779	0.764816
cg02203922	chr6	657011		0.368354	2.97052	0.003401	0.753539
cg04059965	chr5	1.79E+08		-0.26836	-2.93713	0.00377	0.764333
cg03199014	chr1	2.27E+08		0.42074	2.937459	0.003766	0.764333
cg13782090	chr2	2.2E+08		0.504802	2.929031	0.003865	0.765667
cg20037088	chr7	999994		-0.26769	-2.93895	0.003749	0.764333
cg26526897	chr6	33232433		-0.20277	-2.94447	0.003686	0.762378
cg10996368	chr11	1.32E+08		-0.36324	-2.93575	0.003786	0.765274
cg04824666	chr21	48085517		-0.47212	-2.93211	0.003828	0.765667
cg14116463	chr7	63641507		0.532515	2.929774	0.003856	0.765667
cg26654519	chr8	1.43E+08		0.34706	2.949539	0.003629	0.760469
cg17415555	chr12	83081389		-0.32136	-2.94168	0.003718	0.764325
cg09492074	chr15	66263624	RAB11A;SMAD6;PTPLAD1;SNAPC5;UBAP1L	-0.31522	-2.94222	0.003711	0.764294

cg18919659	chr22	43343084	EFCAB6;ENSG00000233157;EFCAB6-AS1	0.441977	2.941237	0.003723	0.764333
cg14370079	chr22	49935090		-0.28813	-2.94862	0.003639	0.760469
cg25044834	chr11	68177524		0.391497	2.925785	0.003903	0.765667
cg10007534	chr21	46378354	ADARB1;LRRC3DN;PCBP3;ENSG00000267857	0.761436	2.934132	0.003805	0.765667
cg10495227	chr16	82970452		-0.38994	-2.94022	0.003734	0.764333
cg11437810	chr15	69744829		0.469028	2.931791	0.003832	0.765667
cg05635953	chr19	11039152		-0.20561	-2.93145	0.003836	0.765667
cg15961744	chr5	1.4E+08		0.397051	2.938193	0.003758	0.764333
cg24129177	chr12	1.32E+08		-0.23738	-2.93689	0.003773	0.764333
cg13170032	chr1	2.21E+08		0.442729	2.937527	0.003765	0.764333
cg09079275	chr5	1.57E+08	MED7	0.443585	2.929654	0.003857	0.765667
cg04180460	chr3	41240962		0.256862	2.946849	0.003659	0.760483
cg23428905	chr5	1.73E+08		-0.28319	-2.93687	0.003773	0.764333
cg24760869	chr10	1.16E+08		0.316397	2.937035	0.003771	0.764333
cg09471280	chr17	39968804		0.315864	2.937675	0.003764	0.764333
cg17498867	chr2	72371552		0.342465	2.928429	0.003872	0.765667
cg16038738	chr1	1.09E+08		0.343195	2.939624	0.003741	0.764333
cg11211204	chr18	55923895		-0.41925	-2.93127	0.003838	0.765667
cg13928068	chr22	18324130		-0.35962	-2.92465	0.003917	0.765667
cg02049180	chr1	1.57E+08	LMNA;NES;IQGAP3;UBQLN4	0.375924	2.94069	0.003729	0.764333
cg14209299	chr2	1.08E+08		0.272963	2.932831	0.00382	0.765667

cg27234864	chr13	21295941		0.488256	2.935708	0.003786	0.765274
cg21426686	chr12	334268		-0.37975	-2.92681	0.003891	0.765667
cg20213166	chr11	6191635		-0.43474	-2.92844	0.003872	0.765667
cg25900085	chr8	65291513		0.309216	2.93352	0.003812	0.765667
cg17768491	chr19	41018876		0.468147	2.937013	0.003771	0.764333
cg16477091	chr17	56833000		0.46757	2.939645	0.003741	0.764333
cg22942384	chr21	46424715		-0.39819	-2.92938	0.003861	0.765667
cg27516774	chr15	44955616		-0.18521	-2.93287	0.00382	0.765667
cg16565562	chr5	52786484		-0.5491	-2.94444	0.003686	0.762378
cg07756434	chr3	1.79E+08		0.342575	2.935679	0.003787	0.765274
cg19953843	chr22	29168388	PITPNB;TTC28;UQCR10;MN1	0.408758	2.930387	0.003849	0.765667
cg18558073	chr15	36872349		0.618422	2.934793	0.003797	0.765667
cg06202585	chr2	38325802		-0.68784	-2.92572	0.003904	0.765667
cg00886512	chr10	1.32E+08		0.350329	2.933388	0.003813	0.765667
cg14510322	chr13	1.13E+08		-0.27309	-2.93695	0.003772	0.764333
cg10597545	chr19	39340813	KCNK6	-0.33013	-2.93439	0.003802	0.765667
cg26330518	chr8	24770342		0.322507	2.922996	0.003937	0.765667
cg01040434	chr1	86081443		-0.33703	-2.92436	0.00392	0.765667
cg00333870	chr7	51870809		-0.33793	-2.93018	0.003851	0.765667
cg17330515	chr19	13031369	CACNA1A	0.469168	2.950858	0.003614	0.760345
cg26573518	chr17	33700745		-0.22373	-2.92298	0.003937	0.765667
cg17954957	chr19	56136072		-0.30914	-2.94181	0.003716	0.764325
cg24282486	chr6	1.39E+08	ABRACL	0.262456	2.936698	0.003775	0.764333
cg21156970	chr7	47711149		-0.42319	-2.93123	0.003839	0.765667

cg10940374	chr7	10979992		-0.30767	-2.92938	0.003861	0.765667
cg16503683	chr11	58345717		-0.50586	-2.93285	0.00382	0.765667
cg03827386	chr3	15540665		-0.25346	-2.923	0.003937	0.765667
cg14785018	chr15	93447817		-0.37825	-2.9394	0.003744	0.764333
cg20129073	chr6	32027528		0.367517	2.923884	0.003926	0.765667
cg06478886	chr5	1.35E+08		0.682429	2.951745	0.003604	0.760039
cg09650907	chr17	71224983		-0.35632	-2.92633	0.003897	0.765667
cg09926178	chr1	2.3E+08		0.488082	2.919918	0.003974	0.765667
cg09003833	chr3	1.47E+08		0.336271	2.927056	0.003888	0.765667
cg08770961	chr16	66956122		0.438566	2.924415	0.00392	0.765667
cg11546554	chr2	2.41E+08		-0.39722	-2.92178	0.003951	0.765667
cg08210300	chr13	37575268		0.281768	2.927568	0.003882	0.765667
cg26651830	chr7	1.07E+08		-0.41571	-2.92528	0.003909	0.765667
cg14361586	chr7	1.29E+08		0.302609	2.925588	0.003906	0.765667
cg05487589	chr8	25896196		-0.41807	-2.93348	0.003812	0.765667
cg00370229	chr6	29521602	PPP1R11	0.856625	2.926173	0.003899	0.765667
cg13491959	chr9	1.39E+08		-0.24229	-2.9306	0.003846	0.765667
cg16570507	chr10	88024598	GRID1	-0.35374	-2.92844	0.003872	0.765667
cg14829953	chr4	1.54E+08		0.32143	2.944392	0.003687	0.762378
cg15155738	chr12	1.21E+08		-0.24696	-2.93082	0.003844	0.765667
cg04909854	chr1	1.7E+08		0.40889	2.947767	0.003649	0.760483
cg00156569	chr20	42908863		-0.37069	-2.92058	0.003966	0.765667
cg27263741	chr21	43099365	UBASH3A	-0.46915	-2.92306	0.003936	0.765667
cg10063565	chr11	17884883		-0.28944	-2.92775	0.00388	0.765667
cg27123392	chr15	50570473		-0.47627	-2.93045	0.003848	0.765667

cg09336947	chr11	2465950		-0.30155	-2.9168	0.004012	0.765667
cg07659624	chr8	23425272	TNFRSF10A;TNFRSF10B;TNFRSF10D	0.375808	2.922605	0.003941	0.765667
cg00641391	chr3	1.97E+08		0.430884	2.918868	0.003987	0.765667
cg02081701	chr2	1.4E+08		0.385792	2.932091	0.003829	0.765667
cg06890761	chr7	1.58E+08	WDR60	0.402678	2.930041	0.003853	0.765667
cg01534707	chr3	57130436		-0.34539	-2.92884	0.003867	0.765667
cg24298026	chr6	1.26E+08		-0.36924	-2.926	0.003901	0.765667
cg04101342	chr7	1909417	SNX8	-0.41144	-2.92085	0.003963	0.765667
cg20415811	chr2	74700246	RTKN	0.374423	2.926549	0.003894	0.765667
cg08462306	chr1	45273545		-0.20767	-2.92214	0.003947	0.765667
cg20714110	chr3	1.37E+08		0.335779	2.930462	0.003848	0.765667
cg20181600	chr6	1.7E+08		-0.25888	-2.92951	0.003859	0.765667
cg22995692	chr5	1.41E+08		0.43189	2.915971	0.004022	0.765667
cg00719373	chr8	47318649		-0.27652	-2.92773	0.00388	0.765667
cg03389662	chr11	67007586		-0.20083	-2.92145	0.003955	0.765667
cg17963840	chr8	26722861		0.272893	2.930348	0.003849	0.765667
cg10172669	chr4	42154840	ATP8A1	0.465025	2.919834	0.003975	0.765667
cg17387870	chr12	1.33E+08		0.373954	2.916443	0.004016	0.765667
cg26966001	chr7	1.3E+08		-0.26619	-2.92053	0.003966	0.765667
cg01437235	chr4	939027	WHSC1	0.357294	2.936803	0.003774	0.764333
cg07975778	chr14	52535425		0.536022	2.940511	0.003731	0.764333
cg05488439	chr7	91510314		0.443097	2.921334	0.003957	0.765667
cg16309936	chr1	40874587		-0.34234	-2.92915	0.003863	0.765667
cg27586410	chr17	80818684		0.451537	2.914195	0.004044	0.765667

cg15056471	chr10	48351143		-0.31494	-2.92915	0.003863	0.765667
cg18698884	chr11	16632724		0.498116	2.927813	0.003879	0.765667
cg21121616	chr13	37249450		0.429933	2.926281	0.003897	0.765667
cg00731917	chr18	60263973		0.315061	2.914105	0.004045	0.765667
cg06113665	chr4	1.71E+08		-0.33976	-2.92032	0.003969	0.765667
cg05149195	chr3	12823966		-0.28814	-2.91428	0.004043	0.765667
cg07598357	chr6	1.71E+08		-0.34056	-2.92293	0.003937	0.765667
cg06527154	chr7	1.22E+08		0.502173	2.919246	0.003982	0.765667
cg08135503	chr19	34177741		-0.42532	-2.91547	0.004028	0.765667
cg16626327	chr16	30022598		-0.28067	-2.92011	0.003972	0.765667
cg02527030	chr14	63785334		0.403004	2.933415	0.003813	0.765667
cg01230243	chr6	1.38E+08		-0.38607	-2.92316	0.003935	0.765667
cg02577122	chr11	1.25E+08		0.362617	2.916143	0.00402	0.765667
cg08095654	chr19	58728560		0.526167	2.930881	0.003843	0.765667
cg21037784	chr14	1.01E+08	DIO3	0.313212	2.920683	0.003965	0.765667
cg09146577	chr10	1.05E+08		-0.48455	-2.91379	0.004049	0.765667
cg18019280	chr22	23860693	ZNF70;POM121L9P	-0.26586	-2.9127	0.004062	0.765667
cg12070159	chr8	54789325		0.474221	2.912324	0.004067	0.765667
cg04400147	chr3	52522246		0.417218	2.926987	0.003889	0.765667
cg13208732	chr8	57124347		0.266109	2.92366	0.003929	0.765667
cg14938029	chr20	23421747		-0.43436	-2.91458	0.004039	0.765667
cg26065870	chr3	52522591	RRP9	-0.29021	-2.93297	0.003818	0.765667
cg12492087	chr15	42749885	TMEM62	0.600359	2.914774	0.004037	0.765667
cg10546562	chr7	5390491		0.469316	2.928694	0.003869	0.765667

cg03531100	chr19	49260119		-0.44829	-2.91606	0.004021	0.765667
cg25730356	chr1	1.55E+08		-0.24715	-2.91983	0.003975	0.765667
cg17143565	chr17	33569990		-0.25643	-2.91636	0.004017	0.765667
cg02683197	chr6	28174875	PRSS16	0.435379	2.916058	0.004021	0.765667
cg12710899	chr14	57261702		0.429455	2.926642	0.003893	0.765667
cg22366279	chr6	28848900	HLA-F	0.401413	2.916867	0.004011	0.765667
cg12718528	chr4	47710147		-0.39526	-2.92393	0.003925	0.765667
cg01883777	chr22	38201848		0.5696	2.918754	0.003988	0.765667
cg20310435	chr2	1.79E+08		-0.20619	-2.92682	0.003891	0.765667
cg03960589	chr17	40840485		0.270859	2.91425	0.004043	0.765667
cg05113078	chr3	12583485		0.284151	2.918867	0.003987	0.765667
cg01680573	chr19	19256777		0.475071	2.919191	0.003983	0.765667
cg13422359	chr7	75959073		-0.32114	-2.92146	0.003955	0.765667
cg24372485	chr19	2078331	GNG7;ZNF57;HMHA1	-0.58618	-2.92639	0.003896	0.765667
cg22846776	chr17	2324861		0.305282	2.928765	0.003868	0.765667
cg25224232	chr17	72129955	DNAI2;KIF19	-0.36908	-2.91473	0.004037	0.765667
cg19459600	chr21	44898847		-0.23466	-2.91999	0.003973	0.765667
cg13424422	chr13	1.11E+08		0.318855	2.920919	0.003962	0.765667
cg12673429	chr18	11150043		0.412699	2.912976	0.004059	0.765667
cg13813366	chr4	42398518		0.607238	2.909786	0.004099	0.766334
cg08119275	chr16	56623549		-0.25986	-2.91153	0.004077	0.765723
cg02423471	chr7	1.35E+08		-0.48745	-2.92181	0.003951	0.765667
cg03615145	chr3	1.07E+08		-0.49873	-2.92122	0.003958	0.765667
cg02057782	chr13	26042598		0.354894	2.911102	0.004082	0.766286

cg05440824	chr17	32581035		0.305498	2.926824	0.003891	0.765667
cg22288927	chr4	1.44E+08		0.445358	2.910364	0.004091	0.766329
cg20253855	chr7	1.02E+08		-0.41154	-2.92383	0.003927	0.765667
cg11021940	chr5	1.15E+08		0.324802	2.919172	0.003983	0.765667
cg26123824	chr10	1.21E+08	GRK5;CASC2;RAB11FIP2	-0.37555	-2.91149	0.004077	0.765723
cg02653557	chr19	58095424	ZIK1;PEG3	0.391471	2.918116	0.003996	0.765667
cg04975778	chr2	62733617		0.517309	2.917461	0.004004	0.765667
cg13975098	chr10	1.21E+08	ENSG00000236426	0.443815	2.906726	0.004137	0.766628
cg22061831	chr2	1.32E+08	CCDC74A;CCDC74B;ARHGEF4	1.094293	2.909193	0.004106	0.766628
cg13580084	chr8	23330039	ENSG00000253930	-0.24636	-2.91355	0.004052	0.765667
cg16048771	chr10	5541146	IL15RA	-0.37847	-2.91677	0.004012	0.765667
cg05656763	chr12	1.33E+08		-0.3216	-2.90855	0.004114	0.766628
cg20541752	chr13	54821786		-0.53797	-2.91237	0.004066	0.765667
cg17880050	chr7	26416735		0.563316	2.920325	0.003969	0.765667
cg16384136	chr15	27215898		0.513792	2.921493	0.003955	0.765667
cg11807105	chr6	28784852		0.468676	2.912557	0.004064	0.765667
cg06637961	chr2	2.07E+08	ADAM23	0.486007	2.913022	0.004058	0.765667
cg16418734	chr1	1720537		0.28551	2.918892	0.003986	0.765667
cg18567944	chr20	42843864		0.353647	2.912099	0.00407	0.765667
cg18920368	chr2	27069408		0.274537	2.908763	0.004111	0.766628
cg17928651	chr1	3457807	FAM213B	-0.39181	-2.91085	0.004085	0.766329
cg03100024	chr19	42571402		-0.30853	-2.91872	0.003988	0.765667
cg17840858	chr17	62775998	RGS9	0.2191	2.907717	0.004124	0.766628

cg16418800	chr5	76476455		0.403722	2.914278	0.004043	0.765667
cg05355381	chr10	63545645		-0.38818	-2.92	0.003973	0.765667
cg15696462	chr5	1.63E+08		0.399798	2.906506	0.00414	0.766628
cg15428453	chr8	92038766		-0.28069	-2.91429	0.004043	0.765667
cg25202298	chr2	31456741		-0.18881	-2.91194	0.004072	0.765667
cg08461586	chr10	97802977		0.359013	2.921348	0.003957	0.765667
cg11852471	chr6	363485		0.297061	2.906476	0.00414	0.766628
cg06771021	chr12	1.25E+08		-0.29752	-2.91198	0.004071	0.765667
cg11974077	chr10	51465444		-0.41995	-2.91814	0.003996	0.765667
cg23048698	chr1	2109816		-0.33139	-2.90155	0.004203	0.76732
cg03190219	chr7	25898688	ENSG00000260951	0.505661	2.912624	0.004063	0.765667
cg08082908	chr7	1067951	ENSG00000249574	0.229594	2.90683	0.004136	0.766628
cg10940914	chr2	2.36E+08		-0.37694	-2.90604	0.004146	0.766628
cg24371438	chr3	1.84E+08		0.23551	2.91952	0.003979	0.765667
cg19114300	chr15	68866992		0.289791	2.914344	0.004042	0.765667
cg07195118	chr8	1.45E+08		0.438742	2.916005	0.004022	0.765667
cg07524873	chr11	72305346	P2RY6	-0.3558	-2.90691	0.004135	0.766628
cg21136104	chr3	1.43E+08	GK5	0.527432	2.918384	0.003993	0.765667
cg08125488	chr6	31591517		0.338525	2.90657	0.004139	0.766628
cg25846765	chr18	9615093		-0.20672	-2.91271	0.004062	0.765667
cg04868376	chr16	64984977		0.410127	2.910014	0.004096	0.766334
cg06856563	chr7	75623987		0.18571	2.909844	0.004098	0.766334
cg09667721	chr11	1.26E+08		0.330075	2.915095	0.004033	0.765667
cg24384212	chr20	31482267		-0.41609	-2.90683	0.004136	0.766628
cg21496658	chr3	1.55E+08		0.401257	2.910397	0.004091	0.766329

cg07476201	chr1	1.53E+08	FLG-AS1	-0.38117	-2.89935	0.004231	0.770163
cg11509907	chr2	2.35E+08		-0.32844	-2.92603	0.0039	0.765667
cg27549887	chr15	48623952		-0.19014	-2.91298	0.004059	0.765667
cg14524955	chr1	17531661	PADI1;MFAP2;PADI2;RCC2	-0.29206	-2.91822	0.003995	0.765667
cg11343211	chr17	15686309		0.395807	2.904149	0.00417	0.766628
cg12877723	chr8	57358312		0.581546	2.910458	0.00409	0.766329
cg09827902	chr10	45475610	RASSF4;CXCL12	-0.35706	-2.9007	0.004213	0.76865
cg26198644	chr5	1.77E+08		0.591636	2.903729	0.004175	0.766628
cg13346869	chr8	37605517		0.347433	2.907174	0.004131	0.766628
cg15781838	chr2	1.28E+08		-0.45382	-2.90835	0.004117	0.766628
cg06641415	chr2	73384073		0.399603	2.906517	0.00414	0.766628
cg02859129	chr16	55357253	IRX6	0.356373	2.902831	0.004186	0.766628
cg24569251	chr6	36628087		0.392931	2.921085	0.00396	0.765667
cg01960456	chr3	1.87E+08		-0.34548	-2.90565	0.00415	0.766628
cg19853440	chr6	31838474	ABHD16A;RPL3P2	-0.20136	-2.91523	0.004031	0.765667
cg10689404	chr17	35300645		0.378736	2.904083	0.00417	0.766628
cg14782015	chr19	6464080		0.304054	2.906878	0.004135	0.766628
cg25894939	chr21	46521281		0.733432	2.903263	0.004181	0.766628
cg08316983	chr4	14067054		-0.49813	-2.90416	0.004169	0.766628
cg26168881	chr2	9451170	CYS1;KLF11;KIDINS220;ENSG00000261104	-0.43908	-2.91214	0.004069	0.765667
cg10879958	chr5	68708084		-0.48893	-2.9085	0.004115	0.766628
cg24420574	chr7	1893710		-0.36512	-2.91224	0.004068	0.765667
cg11784990	chr12	1.03E+08		0.411624	2.907064	0.004133	0.766628

cg20910807	chr20	57875384		0.331767	2.900002	0.004222	0.769295
cg05913250	chr14	75348325		0.29316	2.914576	0.004039	0.765667
cg19052384	chr7	44622341	YKT6;MYO1G	0.242541	2.901998	0.004197	0.766628
cg18759990	chr2	1.16E+08		0.231139	2.902407	0.004192	0.766628
cg17955557	chr5	1.49E+08		-0.30001	-2.9115	0.004077	0.765723
cg01141252	chr19	45251925		0.260346	2.901988	0.004197	0.766628
cg24787138	chr6	43214590		0.314264	2.907568	0.004126	0.766628
cg18229270	chr14	92608027		-0.3444	-2.90589	0.004147	0.766628
cg16786274	chr13	1.03E+08		0.404316	2.900971	0.00421	0.768345
cg09797337	chr13	1.13E+08		0.434663	2.915932	0.004023	0.765667
cg13846473	chr9	1.32E+08		-0.1939	-2.9023	0.004193	0.766628
cg10515753	chr1	1.56E+08		-0.31852	-2.90259	0.004189	0.766628
cg17845732	chr19	36130321		0.394169	2.905687	0.00415	0.766628
cg06469455	chr5	1.27E+08		-0.47288	-2.89151	0.004333	0.773155
cg19089070	chr1	2.25E+08		0.354321	2.902022	0.004197	0.766628
cg07471572	chr17	39879439	COASY;ACLY;ENSG00000236194	-0.28208	-2.91221	0.004068	0.765667
cg15134714	chr8	37558448		0.312377	2.902919	0.004185	0.766628
cg10221637	chr1	11866416		0.258311	2.895456	0.004281	0.77249
cg20103519	chr18	67070045		0.464192	2.903381	0.004179	0.766628
cg17201947	chr3	42700007		0.247231	2.909835	0.004098	0.766334
cg13335567	chr8	71127379		0.593663	2.890214	0.00435	0.773328
cg06803257	chr16	67999044		0.304196	2.914373	0.004042	0.765667
cg19651694	chr11	71955164		0.326709	2.915478	0.004028	0.765667
cg13917619	chr15	48623422		-0.25101	-2.90249	0.004191	0.766628

cg17070611	chr13	33001498		-0.22772	-2.90386	0.004173	0.766628
cg04691270	chr10	2371195		0.456776	2.906394	0.004141	0.766628
cg27005255	chr2	1.98E+08		0.1961	2.916243	0.004019	0.765667
cg14964512	chr19	53832493		0.357415	2.902712	0.004188	0.766628
cg23105605	chr6	1.66E+08		-0.34855	-2.89811	0.004247	0.770771
cg00338002	chr1	28198813	ENSG00000270605;FCN3	0.31189	2.903399	0.004179	0.766628
cg01301382	chr18	15198067		0.338224	2.8984	0.004243	0.770771
cg22865989	chr8	1012382		0.339129	2.894371	0.004295	0.77249
cg05300697	chr1	1.68E+08		0.28628	2.902699	0.004188	0.766628
cg04132555	chr5	31194641		0.358324	2.896929	0.004262	0.772229
cg04309480	chr1	2.05E+08		-0.25653	-2.89591	0.004275	0.77249
cg25726128	chr21	45656979		0.406893	2.889649	0.004357	0.773328
cg05072008	chr7	50518647		0.441501	2.897877	0.00425	0.770991
cg25862644	chr10	77168553		-0.27793	-2.8939	0.004301	0.77249
cg24222512	chr6	38128777	RNF8	-0.33723	-2.89419	0.004298	0.77249
cg27248699	chr11	23561621		0.548963	2.900187	0.00422	0.769193
cg02825985	chr22	49579410		-0.23623	-2.90551	0.004152	0.766628
cg01181150	chr7	1.54E+08		-0.29363	-2.90451	0.004165	0.766628
cg19626725	chr5	1.79E+08		0.484735	2.894485	0.004294	0.77249
cg19844233	chr11	85376231		0.389358	2.887409	0.004387	0.77452
cg07171538	chr2	1.05E+08		0.274724	2.898565	0.004241	0.770771
cg04918708	chr1	2.04E+08		-0.26072	-2.89629	0.00427	0.772414
cg00136077	chr12	1.33E+08		-0.30728	-2.89303	0.004313	0.77249
cg02707290	chr16	80952459		0.299619	2.88923	0.004363	0.773328

cg20702559	chr8	58907821		-0.39445	-2.89698	0.004261	0.772229
cg24233194	chr10	1.14E+08	VTI1A	-0.38883	-2.91043	0.004091	0.766329
cg21324308	chr1	1.11E+08		0.314195	2.907825	0.004123	0.766628
cg14711366	chr5	1.77E+08		0.303655	2.895321	0.004283	0.77249
cg02542872	chr11	70269505		-0.38288	-2.8956	0.004279	0.77249
cg20349076	chr11	1.19E+08		0.197346	2.892422	0.004321	0.77249
cg21549422	chr6	70993107		0.298346	2.908939	0.004109	0.766628
cg11111600	chr17	40718964		0.189963	2.897095	0.00426	0.772229
cg22123309	chr1	31191561		-0.20854	-2.89263	0.004318	0.77249
cg14970695	chr10	29698447		-0.60489	-2.89001	0.004352	0.773328
cg00064020	chr3	1.84E+08	ECE2;C3orf70;MCF2L2	0.285018	2.889492	0.004359	0.773328
cg12007166	chr6	30228058		0.36509	2.896758	0.004264	0.772304
cg17141735	chr1	1.5E+08		0.252843	2.902318	0.004193	0.766628
cg01612220	chr14	1.05E+08		-0.34922	-2.89839	0.004243	0.770771
cg23796329	chr6	1.07E+08		0.231387	2.903009	0.004184	0.766628
cg02988267	chr1	78149396		-0.18824	-2.89322	0.00431	0.77249
cg17825989	chr6	1.56E+08		0.267347	2.896063	0.004273	0.77249
cg02436098	chr19	4640159	UHRF1;CHAF1A;STAP2;PLIN4;ANKRD24	-0.35474	-2.89224	0.004323	0.77249
cg12461677	chr19	58862089	ZNF135;ZNF418	0.450961	2.904012	0.004171	0.766628
cg17759274	chr19	39260954	LGALS7;LGALS7B	0.908184	2.902454	0.004191	0.766628
cg12492504	chr7	26416890		0.315387	2.902403	0.004192	0.766628
cg12419348	chr17	54991398		-0.21742	-2.90664	0.004138	0.766628
cg02034949	chr22	38302860		-0.21549	-2.88645	0.0044	0.77452

cg17577636	chr12	1.12E+08		-0.2393	-2.89232	0.004322	0.77249
cg15035350	chr7	83824382		0.451545	2.892878	0.004315	0.77249
cg07690733	chr19	1066985		0.147983	2.903393	0.004179	0.766628
cg23605843	chr1	26735630		0.43763	2.887931	0.00438	0.77452
cg00046499	chr3	1.54E+08		0.55497	2.890056	0.004352	0.773328
cg10271408	chr7	77648600		0.350457	2.890361	0.004348	0.773328
cg13387854	chr5	2225323	LPCAT1;ENSG00000188002	0.543358	2.892756	0.004316	0.77249
cg08717980	chr5	1386005		-0.25542	-2.88994	0.004353	0.773328
cg04135558	chr15	50979175		-0.24609	-2.88932	0.004362	0.773328
cg02349186	chr2	2.39E+08	COL6A3;LRRFIP1	0.616718	2.8929	0.004314	0.77249
cg01850798	chr4	77341251	USO1;SDAD1	-0.34215	-2.88572	0.004409	0.77452
cg10142315	chr2	84930277		-0.38292	-2.89912	0.004234	0.770375
cg08761396	chr5	42468836		-0.33343	-2.89462	0.004292	0.77249
cg23683254	chr14	99584667		0.590093	2.882606	0.004451	0.77452
cg02640558	chr8	22299141	ENTPD4	-0.22933	-2.89652	0.004267	0.772323
cg04038150	chr11	70742796		-0.24235	-2.89062	0.004344	0.773328
cg21204020	chr2	3828566		-0.52666	-2.88904	0.004365	0.773328
cg23412820	chr15	27959543		0.387257	2.890276	0.004349	0.773328
cg04117480	chr1	1.2E+08		-0.35302	-2.88853	0.004372	0.773795
cg25258291	chr13	98795562		-0.23035	-2.8995	0.004229	0.770132
cg00498219	chr2	1.42E+08		-0.41215	-2.90028	0.004219	0.769193
cg11200929	chr15	78632670		0.404048	2.883851	0.004434	0.77452
cg07156484	chr7	1.01E+08		-0.26806	-2.89255	0.004319	0.77249
cg01830271	chr6	31275148		0.613702	2.888998	0.004366	0.773328

cg19533231	chr18	54814390		0.687567	2.889307	0.004362	0.773328
cg14035828	chr1	87291903		-0.31108	-2.8907	0.004343	0.773328
cg14645545	chr2	2.19E+08		0.444932	2.883044	0.004445	0.77452
cg00734592	chr7	1.39E+08		-0.34014	-2.88933	0.004361	0.773328
cg22400015	chr2	2.2E+08	CYP27A1	0.385767	2.883228	0.004443	0.77452
cg25272554	chr2	2.22E+08		-0.22316	-2.89337	0.004308	0.77249
cg16294280	chr12	25048139		0.60327	2.885912	0.004407	0.77452
cg08309135	chr7	1.28E+08		0.386838	2.890405	0.004347	0.773328
cg13267195	chr11	67777215	TBC1D10C;PTPRCAP	-0.45012	-2.88639	0.0044	0.77452
cg16453617	chr16	1257884	CACNA1H	-0.36913	-2.88765	0.004384	0.77452
cg13277493	chr2	1.25E+08		0.38892	2.884038	0.004432	0.77452
cg02918910	chr1	1.51E+08		0.318775	2.877467	0.004521	0.774543
cg02984009	chr7	86850498		-0.40848	-2.89441	0.004295	0.77249
cg05022301	chr14	93650515		0.299799	2.891468	0.004333	0.773155
cg12060499	chr14	1.02E+08		0.567127	2.888374	0.004374	0.773828
cg18950778	chr11	32455362		0.319483	2.886967	0.004393	0.77452
cg09413615	chr15	78913637		0.398614	2.88627	0.004402	0.77452
cg04457792	chr10	1.02E+08		0.294138	2.882448	0.004453	0.77452
cg27243166	chr11	64479496	RASGRP2	0.385023	2.896471	0.004268	0.772323
cg00581979	chr19	47778059		-0.26517	-2.89328	0.004309	0.77249
cg12230289	chr8	70946891		0.385863	2.888619	0.004371	0.773795
cg26112457	chr2	21267334		0.331141	2.886603	0.004398	0.77452
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cg09687025	chr13	77459109		0.420048	2.88466	0.004423	0.77452

cg00876784	chr19	39986016		0.226817	2.883405	0.00444	0.77452
cg05072819	chr3	20081367		-0.30092	-2.89227	0.004323	0.77249
cg03167633	chr2	1.45E+08		-0.44348	-2.88184	0.004461	0.77452
cg06770735	chr1	11840031	MTHFR	-0.3107	-2.87719	0.004525	0.774543
cg11036315	chr7	636258		0.337945	2.874991	0.004555	0.774639
cg26397265	chr12	25348258		-0.25054	-2.8827	0.00445	0.77452
cg18417562	chr5	1.38E+08	MZB1;TMEM173	-0.4846	-2.89244	0.00432	0.77249
cg16267322	chr14	92864074	TC2N;CATSPERB	-0.39089	-2.88298	0.004446	0.77452
cg14305942	chr9	1.33E+08		0.268465	2.883953	0.004433	0.77452
cg12024311	chr6	1.71E+08		0.175666	2.881923	0.00446	0.77452
cg03063806	chr5	1.76E+08	ARL10	-0.28967	-2.88535	0.004414	0.77452
cg18594482	chr1	27480543	THEMIS2	-0.43098	-2.89429	0.004296	0.77249
cg12969193	chr2	1.77E+08		0.427733	2.891405	0.004334	0.773155
cg00146756	chr4	6729110		1.282299	2.874579	0.00456	0.774942
cg13661497	chr9	5110940		0.285299	2.88761	0.004384	0.77452
cg20264534	chr19	41816349		-0.44135	-2.88469	0.004423	0.77452
cg26915336	chr7	35407225	DPY19L1	-0.41304	-2.87643	0.004535	0.774543
cg17642369	chr7	47783644		0.375962	2.891586	0.004332	0.773155
cg18962786	chr14	32030354		0.356343	2.892248	0.004323	0.77249
cg09735723	chr10	1.06E+08		0.400107	2.884888	0.00442	0.77452
cg02022808	chr5	1.41E+08		0.521884	2.885856	0.004407	0.77452
cg01295203	chr8	70984199		0.322977	2.886042	0.004405	0.77452
cg06653004	chr6	50785325		0.485562	2.885281	0.004415	0.77452
cg06688770	chr14	74892331		0.416304	2.880216	0.004483	0.77453
cg19169023	chr15	41853346		-0.88131	-2.86923	0.004634	0.777232

cg10947611	chr2	2.4E+08		-0.40122	-2.89816	0.004246	0.770771
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cg00636769	chr20	57408795		-0.44109	-2.88009	0.004485	0.77453
cg23686014	chr7	93519924		-0.31102	-2.88144	0.004467	0.77452
cg22791045	chr11	1.33E+08	VPS26B;GLB1L2;ENSG00000255545	-0.368	-2.88574	0.004409	0.77452
cg24759599	chr11	3114884		-0.28632	-2.87674	0.004531	0.774543
cg10182243	chr17	41570164		0.382482	2.884409	0.004427	0.77452
cg04727071	chr19	4061359	TBXA2R;PLIN4	-0.40983	-2.8805	0.00448	0.77453
cg02253567	chr17	74117573		-0.17096	-2.88461	0.004424	0.77452
cg22142968	chr12	52238436		-0.45468	-2.86965	0.004629	0.777232
cg02384661	chr12	54369638		0.395373	2.876852	0.004529	0.774543
cg22595209	chr19	11289102		0.296409	2.884635	0.004424	0.77452
cg17169397	chr7	32111453		0.317354	2.875201	0.004552	0.774639
cg03355204	chr19	1008063		0.329758	2.877688	0.004518	0.774543
cg17373644	chr5	1806786		0.293107	2.877383	0.004522	0.774543
cg09298183	chr10	1.26E+08		-0.32594	-2.89385	0.004302	0.77249
cg24931632	chr1	47899667	TAL1	0.404124	2.8682	0.004649	0.777232
cg24933651	chr3	77147070		0.560732	2.883742	0.004436	0.77452
cg11235259	chr19	47526657		0.284266	2.88208	0.004458	0.77452
cg03218003	chr19	19303504		-0.17855	-2.87878	0.004503	0.774543
cg00128805	chr15	40330701		-0.22395	-2.87326	0.004578	0.776878
cg02325679	chr20	34542290		-0.21875	-2.87963	0.004491	0.77453
cg01121127	chr6	84140785		-0.62537	-2.90333	0.00418	0.766628
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cg02461773	chr10	70168312		0.323396	2.879414	0.004494	0.77453
cg27512205	chr12	88973398		-0.26856	-2.88184	0.004461	0.77452
cg17613707	chr5	55424626		-0.66407	-2.87868	0.004504	0.774543
cg14298379	chr6	16128926		-0.34621	-2.88316	0.004444	0.77452
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cg14961435	chr12	1.2E+08		0.536663	2.871222	0.004607	0.777232
cg10195295	chr12	21809973		-0.26402	-2.88247	0.004453	0.77452
cg19591105	chr12	1724930		-0.33889	-2.8795	0.004493	0.77453
cg01405761	chr8	62200689		0.427989	2.881043	0.004472	0.77452
cg06660116	chr16	89433876		0.311391	2.895077	0.004286	0.77249
cg22006392	chr17	927457		1.304992	2.875134	0.004553	0.774639
cg21497990	chr7	1.55E+08		0.493255	2.88061	0.004478	0.77453
cg26134095	chr8	1.02E+08	GRHL2	-0.5257	-2.87787	0.004515	0.774543
cg25369980	chr5	73937328		0.223445	2.871133	0.004608	0.777232
cg23880198	chr2	7907372		-0.31676	-2.8827	0.00445	0.77452
cg25037000	chr1	2931557		-0.246	-2.87635	0.004536	0.774543
cg21195185	chr4	76555782		0.377604	2.877328	0.004523	0.774543
cg24396074	chr6	30308095		-0.28642	-2.87488	0.004556	0.774639
cg12534008	chr19	2252029		0.442089	2.86852	0.004644	0.777232
cg08702805	chr5	1058239		-0.28845	-2.87666	0.004532	0.774543
cg25273507	chr2	1.98E+08		-0.2165	-2.88001	0.004486	0.77453
cg13626505	chr15	76603987		0.190825	2.882095	0.004458	0.77452
cg17654660	chr5	1.77E+08	FGFR4;COL23A1;GRK6	-0.40316	-2.87511	0.004553	0.774639
cg19141563	chr17	56833253		-0.28881	-2.87678	0.00453	0.774543

cg10235018	chr1	2.45E+08		0.235239	2.881323	0.004468	0.77452
cg18065686	chr8	23411171		-0.37738	-2.87503	0.004554	0.774639
cg05945661	chr5	77147651		-0.34702	-2.8863	0.004402	0.77452
cg06697600	chr4	7070879		0.432417	2.868888	0.004639	0.777232
cg21420622	chr7	1.05E+08	CDHR3	0.310235	2.87624	0.004538	0.774543
cg13938785	chr9	1.4E+08		0.286262	2.872119	0.004594	0.777232
cg07116336	chr16	88337645		-0.26131	-2.8777	0.004518	0.774543
cg00429268	chr20	48097073	KCNB1	-0.27771	-2.87656	0.004533	0.774543
cg22372930	chr19	55630001		0.384217	2.877381	0.004522	0.774543
cg23734815	chr20	34359740		0.49932	2.87133	0.004605	0.777232
cg22837714	chr2	1.98E+08	ANKRD44;PGAP1;RFTN2	0.451089	2.883361	0.004441	0.77452
cg21211873	chr15	22960638		0.342886	2.881132	0.004471	0.77452
cg15212821	chr22	44395017		0.29032	2.884107	0.004431	0.77452
cg14575222	chr9	1.32E+08		-0.31998	-2.86389	0.00471	0.777399
cg08351105	chr2	28614671		-0.31025	-2.87129	0.004606	0.777232
cg15915602	chr2	1.15E+08		0.55865	2.879919	0.004487	0.77453
cg07977661	chr16	81567375		-0.28112	-2.86769	0.004656	0.777232
cg13852116	chr10	1.22E+08		-0.37275	-2.8708	0.004613	0.777232
cg11399837	chr1	64014796		0.403639	2.881472	0.004466	0.77452
cg10093648	chr16	29912700		0.385591	2.866345	0.004675	0.777232
cg23601515	chr17	74017805	MXRA7	0.324841	2.877907	0.004515	0.774543
cg20194872	chr6	41519635		0.340503	2.870988	0.00461	0.777232
cg03481774	chr11	45959600	PEX16	-0.25549	-2.87707	0.004526	0.774543
cg10440011	chr17	1933183		0.227088	2.883433	0.00444	0.77452

cg11889730	chr10	37967356		-0.42684	-2.87276	0.004585	0.777136
cg15863539	chr17	17716950		-0.28155	-2.87818	0.004511	0.774543
cg14484793	chr9	1.38E+08		0.474016	2.873966	0.004569	0.77585
cg07892597	chr1	1.2E+08		0.327569	2.866807	0.004668	0.777232
cg07303435	chr7	1.51E+08		0.341523	2.873734	0.004572	0.776086
cg13651483	chr19	48566587	PRR24	0.386152	2.871912	0.004597	0.777232
cg02656060	chr10	1.32E+08		-0.44091	-2.86989	0.004625	0.777232
cg12208258	chr18	25757438	AQP4-AS1	0.322037	2.868288	0.004648	0.777232
cg18217136	chr20	36157651	TGM2;SAMHD1;SNHG17;NNAT	-0.35188	-2.87161	0.004601	0.777232
cg02173849	chr5	1.09E+08		0.454573	2.874921	0.004556	0.774639
cg23032045	chr1	91870067		-0.25978	-2.86882	0.00464	0.777232
cg15201877	chr1	71512973		0.318652	2.875074	0.004554	0.774639
cg01687680	chr16	49312238		0.353026	2.866416	0.004674	0.777232
cg05242523	chr19	51588750	ZNF432;C19orf48;ZNF614;JOSD2;FPR1;ZNF615;ENSG00000167765	0.487323	2.878434	0.004508	0.774543
cg13631444	chr8	1.1E+08		0.317229	2.872825	0.004585	0.777136
cg01142676	chr11	1.18E+08	SIK3-IT1;MPZL2	-0.40028	-2.86885	0.00464	0.777232
cg22940031	chr7	1.28E+08		0.411801	2.863304	0.004718	0.777399
cg14700153	chr18	77515904		-0.44555	-2.8661	0.004678	0.777232
cg14059830	chr9	1.26E+08		-0.28331	-2.87155	0.004602	0.777232
cg24423503	chr2	6028915		-0.34877	-2.87942	0.004494	0.77453
cg04922803	chr12	1.04E+08	GLT8D2	0.428719	2.865218	0.004691	0.777399

cg00412675	chr8	11577758		0.42902	2.86043	0.004759	0.777399
cg04385631	chr12	46385625		0.273274	2.898303	0.004244	0.770771
cg25966022	chr22	40417869		-0.34734	-2.86444	0.004702	0.777399
cg12924262	chr12	1.02E+08		0.30146	2.865979	0.00468	0.777232
cg01283417	chr18	5896071		0.339873	2.869343	0.004633	0.777232
cg05503968	chr18	30051336		0.465378	2.861339	0.004746	0.777399
cg10598066	chr11	44087808		0.208413	2.858058	0.004793	0.777399
cg16768376	chr13	20392608	IFT88	0.47034	2.860802	0.004754	0.777399
cg09119433	chr6	30069319		-0.33282	-2.87763	0.004519	0.774543
cg10682299	chr4	1.12E+08		0.415318	2.870737	0.004613	0.777232
cg03488588	chr6	32135129		0.357493	2.870031	0.004623	0.777232
cg27526649	chr1	2.08E+08	PFKFB2	0.551032	2.874486	0.004562	0.774942
cg21601919	chr5	1.71E+08		0.260704	2.859771	0.004768	0.777399
cg11183001	chr5	34838922		0.381644	2.875486	0.004548	0.774639
cg18357696	chr2	2.19E+08		0.358023	2.865981	0.00468	0.777232
cg16035921	chr17	48187466		-0.40962	-2.8793	0.004496	0.77453
cg17548054	chr5	1.69E+08	C5orf58	-0.40432	-2.86911	0.004636	0.777232
cg15726492	chr6	1.27E+08		0.337319	2.868811	0.00464	0.777232
cg05305434	chr11	1874049	LSP1	-0.73194	-2.87001	0.004624	0.777232
cg03997730	chr16	1487180		-0.31055	-2.86246	0.00473	0.777399
cg17947140	chr6	37787739		0.179772	2.865997	0.00468	0.777232
cg04165337	chr8	697377		1.727458	2.861817	0.004739	0.777399
cg23902550	chr8	1.45E+08	RHPN1-AS1	0.187585	2.861235	0.004747	0.777399
cg26281310	chr20	58149139		-0.3402	-2.85532	0.004833	0.778576
cg08962038	chr10	88022859		0.508488	2.858121	0.004792	0.777399

			ZFP82;ZNF382;ZNF568;ZNF529;CLIP3;COX7A1;ZNF566;ZNF540;ZNF383				
cg02587316	chr19	37096321		0.575493	2.869168	0.004635	0.777232
cg20968678	chr2	2.17E+08	MREG	-0.32525	-2.86202	0.004736	0.777399
cg10589447	chr12	1.16E+08		-0.20617	-2.87507	0.004554	0.774639
cg02838683	chr1	1063857		0.251986	2.861275	0.004747	0.777399
cg04117455	chr14	1.04E+08	ENSG00000260285;ADSSL1	0.385869	2.881302	0.004469	0.77452
cg10747042	chr3	1.5E+08	ANKUB1	-0.17482	-2.86725	0.004662	0.777232
cg03249789	chr19	15233798		-0.3384	-2.86957	0.00463	0.777232
cg22794704	chr2	1.62E+08		0.293024	2.863621	0.004713	0.777399
cg12476052	chr15	91839976		-0.2087	-2.86449	0.004701	0.777399
cg11688568	chr20	58179414		-0.2899	-2.86701	0.004666	0.777232
cg07123069	chr12	54367250		0.330197	2.856447	0.004816	0.778295
cg17570276	chr7	6099250		0.332622	2.86247	0.00473	0.777399
cg25683358	chr10	24833063		-0.52174	-2.86996	0.004624	0.777232
cg16708451	chr19	54411208		0.396117	2.856217	0.00482	0.77854
cg18627360	chr20	61809834		0.402755	2.860751	0.004754	0.777399
cg24165760	chr14	1.03E+08		-0.22746	-2.86855	0.004644	0.777232
cg27053629	chr14	71953890		0.435707	2.859849	0.004767	0.777399
cg04142011	chr1	4541470		0.391938	2.85905	0.004779	0.777399
cg06251016	chr16	89258571		-0.24529	-2.86521	0.004691	0.777399
cg25579157	chr11	2020549		-0.13403	-2.86256	0.004729	0.777399
cg22273427	chr2	1.28E+08		-0.24739	-2.86786	0.004654	0.777232

cg26271212	chr12	77277138		-0.42425	-2.86718	0.004663	0.777232
cg05628616	chr12	80794579		0.481836	2.863373	0.004717	0.777399
cg15613012	chr6	28887742		-0.26957	-2.85806	0.004793	0.777399
cg03939612	chr17	21156707		-0.18604	-2.86573	0.004684	0.777399
cg16119372	chr1	2.02E+08		-0.31502	-2.85781	0.004797	0.777399
cg19326023	chr15	78424152	CRABP1	-0.2186	-2.86115	0.004749	0.777399
cg04296885	chr1	1.55E+08		-0.20864	-2.85787	0.004796	0.777399
cg06850283	chr5	44389769		0.428533	2.859888	0.004767	0.777399
cg22812280	chr11	5173605		-0.43899	-2.86683	0.004668	0.777232
cg10508940	chr22	50689915		-0.22865	-2.85991	0.004766	0.777399
cg26005082	chr19	4769660		0.358682	2.859476	0.004773	0.777399
cg03224175	chr20	3996790		-0.37688	-2.86824	0.004648	0.777232
cg21148025	chr21	19639479		-0.54867	-2.85537	0.004832	0.778576
cg11806703	chr2	2.19E+08		-0.28074	-2.86248	0.00473	0.777399
cg21484680	chr2	27593328		0.213872	2.865948	0.004681	0.777232
cg22613010	chr3	1.84E+08		-0.29022	-2.86184	0.004739	0.777399
cg17001566	chr1	2990490	PRDM16	0.3391	2.861893	0.004738	0.777399
cg08867241	chr15	53087487		0.382279	2.853983	0.004852	0.778694
cg27391093	chr2	1.05E+08		-0.29038	-2.85563	0.004828	0.778576
cg03315940	chr6	27569167		0.461694	2.85745	0.004802	0.777423
cg02001571	chr14	50319805		-0.26989	-2.85902	0.004779	0.777399
cg00390511	chr7	36701016	ANLN	-0.47939	-2.85986	0.004767	0.777399
cg09874177	chr12	77272943		0.2224	2.866093	0.004679	0.777232
cg11726911	chr1	6241120	KCNAB2	0.314589	2.854017	0.004852	0.778694
cg09157302	chr4	25656830	SLC34A2	0.918713	2.854863	0.004839	0.778694

cg26563005	chr17	56296757		0.20756	2.852386	0.004875	0.779765
cg07402337	chr8	98672544		-0.40761	-2.8591	0.004778	0.777399
cg11491186	chr19	42388160		-0.38758	-2.85863	0.004785	0.777399
cg21790715	chr2	1.22E+08		0.361866	2.861001	0.004751	0.777399
cg14237674	chr17	43239170		-0.25472	-2.85682	0.004811	0.778295
cg09084892	chr4	1.88E+08		-0.3038	-2.86878	0.004641	0.777232
cg02858594	chr21	34400211		-0.31023	-2.8609	0.004752	0.777399
cg13990947	chr9	19128801		0.364782	2.853343	0.004861	0.779397
cg03091590	chr19	42700573		0.343443	2.868733	0.004641	0.777232
cg10438893	chr19	1924761		0.235251	2.863533	0.004715	0.777399
cg08314387	chr7	1.5E+08		0.342466	2.855305	0.004833	0.778576
cg07129731	chr7	99695537		-0.21983	-2.86452	0.004701	0.777399
cg16920123	chr9	1.4E+08		-0.22697	-2.85452	0.004844	0.778694
cg20132698	chr11	86617261	ENSG00000255471;FZD4	0.411173	2.863147	0.00472	0.777399
cg12233100	chr12	1.14E+08		0.309718	2.86187	0.004738	0.777399
cg16803791	chr10	49813128		0.27969	2.853768	0.004855	0.778694
cg05037863	chr13	92305086		-0.40978	-2.86825	0.004648	0.777232
cg02324227	chr5	1.81E+08		0.315624	2.850215	0.004907	0.781969
cg09308536	chr10	1.34E+08		-0.28981	-2.85389	0.004853	0.778694
cg13252540	chr3	1.26E+08		0.34312	2.855392	0.004832	0.778576
cg19230800	chr10	1.33E+08		-0.40646	-2.85426	0.004848	0.778694
cg02677947	chr16	739463		-0.26858	-2.86494	0.004695	0.777399
cg15823954	chr5	1.43E+08		-0.44527	-2.85877	0.004783	0.777399
cg20833838	chr5	1.76E+08		0.374837	2.856638	0.004813	0.778295

cg05852008	chr20	45523541		-0.40115	-2.85778	0.004797	0.777399
cg17185404	chr3	70374240		-0.34595	-2.86027	0.004761	0.777399
cg06348245	chr10	74140821		-0.34963	-2.85422	0.004849	0.778694
cg20969781	chr17	5015309		0.173207	2.85828	0.00479	0.777399
cg22313025	chr6	1.05E+08		-0.36593	-2.85463	0.004843	0.778694
cg19403541	chr4	1.74E+08		-0.28125	-2.87005	0.004623	0.777232
cg03488522	chr2	2.2E+08		-0.20222	-2.85771	0.004798	0.777399
cg06652112	chr3	1.94E+08		0.188614	2.846367	0.004964	0.784229
cg11226913	chr14	29254961		0.389731	2.852312	0.004876	0.779765
cg25504222	chr19	4639508		-0.16274	-2.85452	0.004844	0.778694
cg17031478	chr12	54427173		0.310598	2.857522	0.004801	0.777423
cg09949366	chr6	12957651		0.242439	2.862399	0.004731	0.777399
cg03698539	chr16	68012273		-0.21766	-2.85875	0.004783	0.777399
cg02164574	chr2	1.77E+08		0.420797	2.859587	0.004771	0.777399
cg06655860	chr12	66524311		0.248123	2.856513	0.004815	0.778295
cg01473507	chr4	15163451		-0.33167	-2.85282	0.004869	0.779435
cg25950625	chr5	41510116		0.495803	2.858616	0.004785	0.777399
cg16764362	chr16	87682674	SLC7A5	-0.31674	-2.85302	0.004866	0.779435
cg08576197	chr17	80170622		0.233603	2.851845	0.004883	0.780273
cg03938353	chr16	87740479		-0.33601	-2.84913	0.004923	0.782501
cg26529833	chr12	49483619		0.313426	2.845026	0.004984	0.784229
cg10634950	chr1	1.66E+08		0.340088	2.852702	0.004871	0.779435
cg04464085	chr6	30923327		0.24389	2.861855	0.004739	0.777399
cg13070193	chr7	45613752		0.300415	2.847584	0.004946	0.783862
cg22451887	chr20	60969143		0.267873	2.866409	0.004674	0.777232

cg01479187	chr2	43158610		-0.35672	-2.8552	0.004834	0.778576
cg00663000	chr1	1.55E+08		0.341588	2.852777	0.00487	0.779435
cg10234841	chr13	73302007		0.175583	2.850011	0.00491	0.781969
cg10875868	chr12	48152928		0.212509	2.84986	0.004912	0.781969
cg17329691	chr19	3626947		-0.206	-2.84922	0.004922	0.782501
cg10761843	chr2	1.72E+08		-0.35704	-2.86481	0.004697	0.777399
cg14898779	chr7	23749607		-0.50665	-2.85863	0.004785	0.777399
cg26831241	chr2	1.76E+08		-0.21383	-2.86006	0.004764	0.777399
cg02444695	chr6	1.49E+08		0.386131	2.855735	0.004827	0.778576
cg07237979	chr11	1874017	LSP1;C11orf89	-0.67593	-2.84374	0.005003	0.785951
cg09992746	chr15	60285821		0.455392	2.843293	0.00501	0.786408
cg02977254	chr11	1.23E+08	CLMP	0.565625	2.855463	0.00483	0.778576
cg12405520	chr11	1.26E+08	PKNOX2;FAM118B	-0.31332	-2.84878	0.004928	0.782501
cg04106489	chr12	1.18E+08		-0.39053	-2.85093	0.004897	0.781896
cg23376861	chr18	43678713		0.375485	2.850496	0.004903	0.781969
cg22660207	chr4	1.74E+08		0.52516	2.85197	0.004881	0.780273
cg18153213	chr1	1.79E+08	TOR3A	-0.29101	-2.86408	0.004707	0.777399
cg07807690	chr1	41157266		-0.2081	-2.8626	0.004728	0.777399
ch.7.41324965F	chr7	41358440		-0.40824	-2.85037	0.004905	0.781969
cg07368146	chr5	1.11E+08		-0.37779	-2.84963	0.004916	0.781969
cg09936799	chr5	1.4E+08		0.650856	2.848478	0.004933	0.782703
cg11400759	chr10	1.35E+08		-0.35683	-2.85283	0.004869	0.779435
cg04548856	chr14	57284528	TMEM260	0.423651	2.850903	0.004897	0.781896
cg18566125	chr3	1.6E+08		-0.39697	-2.85038	0.004905	0.781969

cg05976168	chr12	611508	RNU4ATAC16P;ERC1	0.317729	2.845758	0.004973	0.784229
cg18988498	chr11	31824262		0.441151	2.846381	0.004964	0.784229
cg00495305	chr3	43659797	CCDC13;HHATL-AS1;ZNF197-AS1	0.387513	2.844928	0.004986	0.784229
cg12101264	chr14	79792615		-0.37603	-2.84609	0.004968	0.784229
cg00824018	chr10	1.05E+08		0.45666	2.848805	0.004928	0.782501
cg04932544	chr1	2.1E+08		0.228257	2.845861	0.004972	0.784229
cg25998887	chr2	70676036		-0.39853	-2.84111	0.005043	0.787228
cg26028371	chr18	76163007		-0.29523	-2.83815	0.005088	0.787555
cg24739849	chr10	1.05E+08		-0.4344	-2.84535	0.004979	0.784229
cg05220042	chr16	721934		-0.30078	-2.84084	0.005047	0.787461
cg03804568	chr22	39548919	ATF4	0.257215	2.861564	0.004743	0.777399
cg18974926	chr1	1.1E+08	CELSR2	0.522548	2.866637	0.004671	0.777232
cg17755888	chr5	1.08E+08		0.31284	2.841341	0.005039	0.786981
cg22051199	chr15	22881539		0.355479	2.84887	0.004927	0.782501
cg01101782	chr1	2.03E+08	PTPN7	0.452557	2.853928	0.004853	0.778694
cg22046688	chr18	7122191		-0.32303	-2.84152	0.005037	0.786981
cg06887778	chr16	87101965		-0.38512	-2.84506	0.004984	0.784229
cg17546247	chr3	1.47E+08		0.395689	2.848367	0.004934	0.782703
cg20813827	chr6	1.7E+08		0.251326	2.858986	0.00478	0.777399
cg11730925	chr1	1.18E+08		-0.1746	-2.84591	0.004971	0.784229
cg19526166	chr5	1.1E+08		0.572127	2.845091	0.004983	0.784229
cg06913593	chr11	1.09E+08	C11orf65	0.37266	2.862735	0.004726	0.777399

cg01980562	chr19	1174207	ENSG00000129951;SCAMP4;PPAP2C	-0.25712	-2.84782	0.004943	0.783606
cg14780068	chr1	2.02E+08	KIF21B;PTPN7	-0.29091	-2.83939	0.005069	0.787461
cg00157638	chr1	10963932	PGD;KIF1B	-0.22887	-2.84318	0.005012	0.786408
cg23297891	chr8	1.04E+08		0.298239	2.837483	0.005098	0.787908
cg00664634	chr19	58513648	ZNF773;ZNF134	0.575751	2.838625	0.00508	0.787536
cg02172150	chr7	70597774		0.345857	2.838057	0.005089	0.787555
cg09626984	chr8	11566096		0.314361	2.839626	0.005065	0.787461
cg15827214	chr8	80522324		-0.36328	-2.84832	0.004935	0.782703
cg15215348	chr19	18344520		0.608503	2.836785	0.005109	0.787908
cg14119137	chr6	24477147	PPIAP29	-0.42037	-2.8367	0.00511	0.787908
cg06385079	chr16	89634522		-0.28523	-2.83957	0.005066	0.787461
ch.11.2007778R	chr11	96049266		0.440069	2.839681	0.005064	0.787461
cg12271797	chr8	50891864		-0.53148	-2.84634	0.004965	0.784229
cg22540552	chr6	1.67E+08		0.396212	2.834866	0.005138	0.788819
cg27073349	chr4	3640481		-0.49126	-2.83938	0.005069	0.787461
cg18689958	chr5	33936232		0.303731	2.840179	0.005057	0.787461
cg13602798	chr17	8152519		0.228742	2.839486	0.005067	0.787461
cg18353661	chr7	2250448		0.410635	2.86621	0.004677	0.777232
cg13882169	chr9	1.4E+08		-0.43716	-2.8389	0.005076	0.787536
cg02881684	chr19	45978153	HIF3A	0.42768	2.85658	0.004814	0.778295
cg11391335	chr1	1.2E+08		0.362111	2.849684	0.004915	0.781969
cg25334860	chr17	1094299		-0.36323	-2.84343	0.005008	0.78639
cg00908004	chr13	1.14E+08		0.39215	2.841599	0.005035	0.786981
cg20618996	chr20	33562784		0.27687	2.841738	0.005033	0.786981

cg15602241	chr14	27066771		0.473799	2.843895	0.005001	0.785951
cg11721554	chr14	1.02E+08		-0.41526	-2.85033	0.004906	0.781969
cg23783444	chr7	1130284		0.26216	2.842621	0.00502	0.786847
cg03852659	chr2	1827732		0.35907	2.8371	0.005104	0.787908
cg06946797	chr16	11422409	ENSG00000262222;SOCS1	-0.60708	-2.8371	0.005104	0.787908
cg24154853	chr7	1.58E+08		-0.40252	-2.84587	0.004971	0.784229
cg12520549	chr2	1.62E+08		0.361769	2.83931	0.00507	0.787461
cg01492061	chr6	30919056	PPP1R18	-0.37277	-2.83179	0.005185	0.790074
cg12257233	chr6	29597083	ZNRD1-AS1	0.287527	2.833025	0.005166	0.790074
cg12426748	chr11	22454152		0.406589	2.840634	0.00505	0.787461
cg14515614	chr9	1.17E+08	FKBP15;BSPRY	0.308547	2.84175	0.005033	0.786981
cg14726357	chr15	85326723		0.284856	2.841527	0.005037	0.786981
cg16454940	chr6	4892329		-0.36082	-2.8453	0.00498	0.784229
cg10621924	chr7	39171070		-0.74066	-2.83829	0.005086	0.787555
cg26154819	chr5	1.58E+08		-0.3436	-2.84032	0.005055	0.787461
cg25831111	chr17	40713740		0.360404	2.835214	0.005133	0.788819
cg25599161	chr2	2.42E+08		0.281754	2.845587	0.004976	0.784229
cg18809855	chr15	57668539		-0.25999	-2.83915	0.005072	0.787536
cg06454380	chr22	50067053	CPT1B	-0.3285	-2.84592	0.004971	0.784229
cg01215328	chr16	34208792		-0.33645	-2.84571	0.004974	0.784229
cg10184889	chr8	86350919		0.246267	2.842712	0.005019	0.786847
cg01323098	chr16	89271303		0.359605	2.839463	0.005068	0.787461
cg04832177	chr10	77155143		0.438322	2.838513	0.005082	0.787536
cg13960576	chr13	43980408		-0.37623	-2.83055	0.005205	0.790074

cg27521093	chr2	25358056		-0.29289	-2.8455	0.004977	0.784229
cg19029536	chr11	69867425		-0.31532	-2.83337	0.005161	0.790074
cg04830147	chr1	53306959	ZCCHC11;SCP2	-0.36945	-2.83673	0.005109	0.787908
cg19933908	chr11	1.14E+08		-0.25276	-2.83877	0.005078	0.787536
cg26312149	chr1	1.8E+08		-0.31841	-2.8427	0.005019	0.786847
cg24065270	chr5	1.42E+08		0.428625	2.830016	0.005213	0.790074
cg08228724	chr1	78444087		0.388981	2.841958	0.00503	0.786981
cg06272916	chr22	42306237		-0.34317	-2.83765	0.005095	0.787908
cg23350904	chr17	4648580		0.364778	2.835437	0.005129	0.788819
cg21905819	chr17	5972032		0.396457	2.835109	0.005134	0.788819
cg14002950	chr11	65245129		-0.31432	-2.83619	0.005118	0.788529
cg16709232	chr17	72322154	HN1;ATP5H	0.446175	2.841878	0.005031	0.786981
cg00107772	chr14	57261886		0.469941	2.836987	0.005105	0.787908
cg21923619	chr14	29235469		0.318299	2.832318	0.005177	0.790074
cg07978472	chr4	1.23E+08	CCNA2	0.415828	2.835022	0.005135	0.788819
ch.21.788740F	chr21	46964226		-0.32109	-2.83865	0.00508	0.787536
cg01858089	chr4	1.25E+08	LINC01091;ANKRD50;FAT4	0.499363	2.850001	0.00491	0.781969
cg02304465	chr2	1.77E+08		0.343018	2.842155	0.005027	0.786981
cg05661459	chr11	1.08E+08		-0.28146	-2.83395	0.005152	0.789835
cg06922248	chr10	1.35E+08		-0.5695	-2.83563	0.005126	0.788819
cg14305383	chr9	1.32E+08		-0.31127	-2.83058	0.005204	0.790074
cg23936609	chr19	15352972	RASAL3;SYDE1;SNRPGP15	-0.3222	-2.82999	0.005213	0.790074
cg00838150	chr3	69788442		0.20766	2.845481	0.004977	0.784229
cg24552773	chr1	9100506		0.246729	2.844838	0.004987	0.784229

cg05211836	chr19	16999576	HSH2D;FCHO1;JAK3;COLGALT1	-0.35662	-2.82955	0.00522	0.790074
cg06047587	chr3	1.17E+08		-0.45308	-2.82395	0.005308	0.793658
cg18500177	chr8	69387218	C8orf34;ENSG00000248801	-0.3879	-2.83366	0.005156	0.790074
cg25153769	chr13	96707199		-0.50989	-2.83046	0.005206	0.790074
cg13586696	chr22	29458723		-0.74228	-2.82891	0.00523	0.790336
cg20546928	chr8	27167985		-0.28873	-2.8372	0.005102	0.787908
cg08668790	chr19	58220662	PEG3	0.424979	2.835335	0.005131	0.788819
cg02225137	chr17	2656868	ASPA	-0.28685	-2.83503	0.005135	0.788819
cg04437605	chr17	80922369		0.416793	2.840266	0.005056	0.787461
cg12311815	chr2	1.33E+08		0.648042	2.82792	0.005246	0.790638
cg20814179	chr4	940893		0.66583	2.83277	0.00517	0.790074
cg14174317	chr10	27703362		0.313596	2.831628	0.005188	0.790074
cg14673247	chr3	59136006		-0.41822	-2.83456	0.005143	0.789256
cg02471325	chr15	42290555		-0.31082	-2.82442	0.005301	0.79331
cg05123106	chr22	41212450		0.414505	2.825172	0.005289	0.79331
cg11058951	chr7	92855729		0.502317	2.831972	0.005182	0.790074
cg06908474	chr11	34460516		-0.41989	-2.8349	0.005137	0.788819
cg07988120	chr16	57520496		0.173908	2.831137	0.005195	0.790074
ch.11.2527482R	chr11	1.21E+08		-0.42081	-2.83843	0.005083	0.787536
cg11856189	chr19	16308750		-0.20423	-2.83259	0.005173	0.790074
cg03059528	chr6	1.28E+08		-0.23355	-2.83158	0.005189	0.790074
cg09230442	chr15	65809997		-0.2801	-2.83071	0.005202	0.790074
cg03490331	chr5	1.73E+08		0.30818	2.830359	0.005207	0.790074

			EML1;DEGS2;ENSG00000271417;MEG3;HHIPL1;BCL11B;BEGAIN;ENSG00000225746;SLC25A29;MEG8;CCDC85C				
cg10764891	chr14	1E+08		-0.35944	-2.83648	0.005113	0.788143
cg25818109	chr3	1.87E+08		-0.44993	-2.83301	0.005166	0.790074
cg19325477	chr17	64688496	PITPNC1	0.489657	2.829664	0.005218	0.790074
cg04456892	chr11	6898245		-0.40335	-2.82429	0.005303	0.79331
cg25044701	chr12	7849439		-0.3457	-2.83725	0.005101	0.787908
cg18777774	chr17	1111345		-0.27242	-2.8279	0.005246	0.790638
cg08792314	chr17	40714406	RPL27;ENSG00000267002	-0.28776	-2.82883	0.005231	0.790336
cg20019524	chr4	1.7E+08		0.463665	2.82274	0.005327	0.793658
cg11006288	chr14	69012387	RAD51B;DDX18P1	0.329843	2.839874	0.005062	0.787461
cg12563372	chr8	25908503		0.429254	2.830358	0.005207	0.790074
cg08553082	chr17	79235567		-0.30991	-2.82789	0.005246	0.790638
cg11344026	chr11	71144007		-0.19621	-2.82184	0.005341	0.793658
cg07681579	chr12	54954396		0.552359	2.818452	0.005396	0.793662
cg16792230	chr16	27629665		0.393213	2.83114	0.005195	0.790074
cg24575083	chr11	7695485	OR5P1P	-0.31048	-2.8315	0.00519	0.790074
cg20612875	chr17	1094308		-0.52513	-2.81709	0.005417	0.793662
cg14531862	chr19	44764205		0.301479	2.822324	0.005334	0.793658
cg08125436	chr16	7855305		0.511047	2.831049	0.005197	0.790074
cg18936757	chr18	77623282		0.518811	2.830916	0.005199	0.790074

cg24516542	chr3	15374170		-0.20094	-2.82612	0.005274	0.79331
cg02457750	chr1	2E+08		0.317812	2.831791	0.005185	0.790074
cg02359589	chr17	8045663		-0.2365	-2.82817	0.005242	0.790638
ch.21.40139802R	chr21	41217932		-0.34097	-2.82543	0.005285	0.79331
cg11673092	chr10	23216727	COMMD3	0.511425	2.829089	0.005227	0.790336
cg25985734	chr19	58908421	ZIK1;ZNF135	0.253586	2.829631	0.005219	0.790074
cg23999081	chr1	1.78E+08		-0.37295	-2.82982	0.005216	0.790074
cg02994025	chr1	20902240		-0.37529	-2.82254	0.00533	0.793658
cg06933322	chr8	12654008		0.271305	2.828014	0.005244	0.790638
cg18380175	chr1	77334070		0.323117	2.82528	0.005287	0.79331
cg20223392	chr8	328499	ENSG00000272005	-0.60563	-2.84376	0.005003	0.785951
cg12924573	chr6	1.39E+08		-0.37692	-2.8311	0.005196	0.790074
cg02105034	chr1	1.83E+08		0.265136	2.824568	0.005298	0.79331
cg27120649	chr7	94286261		0.29025	2.829333	0.005223	0.790317
cg26249873	chr10	25465430		0.301357	2.824809	0.005294	0.79331
cg18055007	chr6	31698226	SNORA38	0.453304	2.820531	0.005362	0.793658
cg00803827	chr10	43393846		0.394408	2.828486	0.005237	0.790635
cg19096460	chr4	89490818		-0.3509	-2.82147	0.005347	0.793658
cg14197071	chr4	81110459	PRDM8;ANTXR2	0.522432	2.823701	0.005312	0.793658
cg21749312	chr1	59248412		-0.37577	-2.82188	0.005341	0.793658
cg16786136	chr2	1.22E+08		-0.4749	-2.82598	0.005276	0.79331
cg09793118	chr10	1.04E+08		-0.20696	-2.82352	0.005315	0.793658
cg26937798	chr16	27326054		0.324774	2.835136	0.005134	0.788819
cg10327400	chr14	42075406		0.370837	2.828732	0.005233	0.790336
cg19964811	chr7	25896490	OSBPL3	0.402989	2.821816	0.005342	0.793658

cg27393126	chr1	75139364		0.239178	2.827415	0.005253	0.791311
cg00318347	chr8	25812500		0.497386	2.823568	0.005314	0.793658
cg09107432	chr20	2361461		-0.4467	-2.8198	0.005374	0.793658
cg15357118	chr2	1.29E+08		0.39111	2.832884	0.005168	0.790074
cg01547541	chr2	2.11E+08		-0.33411	-2.8328	0.00517	0.790074
cg10321208	chr1	53662243		-0.33981	-2.82489	0.005293	0.79331
cg06618254	chr22	20307980		0.213298	2.820734	0.005359	0.793658
cg19021221	chr1	52834398		-0.2931	-2.83163	0.005188	0.790074
cg02466926	chr10	1.27E+08		-0.26731	-2.81516	0.005449	0.793815
cg19012681	chr3	14643719		0.289639	2.82273	0.005327	0.793658
cg21911851	chr7	1.52E+08		-0.36739	-2.81621	0.005432	0.793662
cg05659526	chr1	1.61E+08		-0.27784	-2.81384	0.00547	0.793895
cg09275602	chr7	66370330		-0.30994	-2.81287	0.005486	0.795374
cg09757277	chr19	44529822	ZNF229	0.445359	2.827372	0.005254	0.791311
cg25297146	chr10	679399		0.823308	2.814965	0.005452	0.793815
cg25515639	chr17	78323799		-0.35469	-2.81449	0.005459	0.793815
cg22509027	chr19	38997351		0.500921	2.82141	0.005348	0.793658
cg25325636	chr20	57766896		0.466073	2.816119	0.005433	0.793662
cg03258495	chr8	1.35E+08		-0.31496	-2.8222	0.005336	0.793658
cg16763270	chr3	57131910		0.31556	2.820473	0.005363	0.793658
cg03995966	chr7	25219874		-0.24996	-2.82003	0.00537	0.793658
cg09977376	chr1	53951348		0.29115	2.823733	0.005311	0.793658
cg07027706	chr2	1.69E+08		0.47462	2.821079	0.005354	0.793658
cg07623116	chr2	2.34E+08	NPPC;UGT1A8;ENSG00000248705	-0.39248	-2.8156	0.005441	0.793662

cg06390041	chr7	1.4E+08		0.381639	2.817786	0.005406	0.793662
cg12981876	chr7	1E+08		0.296126	2.820655	0.00536	0.793658
cg06929152	chr1	4837112		-0.30882	-2.82505	0.005291	0.79331
cg13534424	chr7	44365292	COA1	-0.20655	-2.82447	0.0053	0.79331
cg00811535	chr6	31587543		-0.41785	-2.81449	0.005459	0.793815
ch.3.78427614R	chr3	78344924		-0.26888	-2.82518	0.005288	0.79331
cg23314893	chr5	96881859		-0.58534	-2.81908	0.005385	0.793658
cg08550588	chr6	31696063		0.339021	2.824677	0.005296	0.79331
cg22426938	chr7	1423890		-0.27321	-2.83444	0.005144	0.789256
cg25548582	chr13	52598798		-0.42946	-2.84145	0.005038	0.786981
cg04985163	chr6	31476231		-0.37799	-2.81615	0.005433	0.793662
cg11933094	chr7	32111068		0.333852	2.814835	0.005454	0.793815
cg18576158	chr19	57702772		-0.17469	-2.82	0.005371	0.793658
cg13860006	chr19	6741178		0.483683	2.820919	0.005356	0.793658
cg00487506	chr8	1.44E+08		-0.28311	-2.82017	0.005368	0.793658
cg19248242	chr19	3094902		-0.23378	-2.81196	0.005501	0.795727
cg21169525	chr6	32862273		-0.30242	-2.83414	0.005149	0.78968
cg05369766	chr8	50629982		-0.3596	-2.83139	0.005191	0.790074
cg25134747	chr3	52480218		-0.23407	-2.82907	0.005228	0.790336
cg08995368	chr7	5632251		0.226587	2.816348	0.005429	0.793662
cg05265042	chr14	1.02E+08		-0.25028	-2.81969	0.005376	0.793658
cg15937784	chr19	54230170		-0.33565	-2.81619	0.005432	0.793662
cg15073065	chr12	34530380		0.339564	2.818888	0.005389	0.793658
cg18341491	chr13	38174258	POSTN	-0.52321	-2.82492	0.005293	0.79331
cg06817368	chr5	1.12E+08		0.392894	2.822597	0.005329	0.793658

cg00446807	chr17	2235848		-0.30467	-2.82048	0.005363	0.793658
cg08817786	chr2	2.33E+08		0.171049	2.815628	0.005441	0.793662
cg11091262	chr7	1.52E+08		-0.34796	-2.81611	0.005433	0.793662
cg26249046	chr1	50489823		0.376196	2.819157	0.005384	0.793658
cg18599162	chr15	31217417		0.332341	2.822824	0.005326	0.793658
cg00549375	chr2	1.72E+08		0.352199	2.814297	0.005463	0.793815
cg07107171	chr1	1.76E+08		0.276313	2.812121	0.005498	0.795727
cg20112735	chr8	95009646		0.312592	2.824422	0.0053	0.79331
cg09142647	chr16	75674568		0.396161	2.820286	0.005366	0.793658
cg07542540	chr16	89122431		-0.49494	-2.84503	0.004984	0.784229
cg10201712	chr2	40960283		-0.43103	-2.81561	0.005441	0.793662
cg26221019	chr6	4135837		0.203723	2.809224	0.005545	0.79684
cg00714725	chr10	94825576		0.493934	2.816984	0.005419	0.793662
cg25367206	chr8	1.42E+08		-0.33581	-2.82312	0.005321	0.793658
cg00686429	chr19	18207235		-0.30968	-2.81812	0.005401	0.793662
cg03710889	chr2	2.19E+08		0.349881	2.815647	0.005441	0.793662
cg02726018	chr3	1.23E+08	ADCY5;MYLK	0.172289	2.815773	0.005439	0.793662
cg23561806	chr11	9483653		0.337895	2.819215	0.005383	0.793658
cg02054559	chr17	41856495		0.176111	2.824339	0.005302	0.79331
cg18462521	chr2	64879911	CEP68	0.52766	2.816611	0.005425	0.793662
cg22030698	chr7	75931773		0.191191	2.817271	0.005414	0.793662
cg14973408	chr5	1.56E+08		-0.41162	-2.82997	0.005213	0.790074
cg22303045	chr6	1.01E+08		0.365721	2.814081	0.005466	0.793815
cg05622915	chr19	571204		-0.33901	-2.81357	0.005474	0.794252
cg01274421	chr12	76084549		-0.57765	-2.82692	0.005261	0.792097

cg24331312	chr11	44971833		-0.17959	-2.81626	0.005431	0.793662
cg11635839	chr11	1.29E+08		-0.38624	-2.8207	0.00536	0.793658
cg08897924	chr1	52832660		0.330844	2.816186	0.005432	0.793662
cg24107453	chr1	7720977		-0.31507	-2.80545	0.005608	0.79684
cg16662821	chr8	41164679		0.286464	2.817738	0.005407	0.793662
cg02130905	chr8	27116213		-0.26696	-2.82089	0.005356	0.793658
cg02480320	chr5	2135054		-0.34027	-2.80894	0.00555	0.79684
cg06053702	chr17	78872709	CCDC40;ENSG00000263069	0.224113	2.812309	0.005495	0.795727
cg23765086	chr7	44348976		0.468596	2.819967	0.005371	0.793658
cg22226804	chr8	1.42E+08		0.50794	2.826278	0.005271	0.79331
cg09530156	chr11	69867139	ANO1;SHANK2;SHANK2-AS1	-0.38841	-2.81562	0.005441	0.793662
cg09294937	chr2	2.19E+08		-0.36828	-2.80727	0.005578	0.79684
cg07671949	chr6	1.52E+08		0.349323	2.82208	0.005338	0.793658
cg08320225	chr16	54689252		0.431139	2.811911	0.005501	0.795727
cg20952204	chr7	32931388		-0.22676	-2.806	0.005599	0.79684
cg05020081	chr14	1.02E+08		0.408606	2.80941	0.005542	0.79684
cg05076730	chr8	1.29E+08	PVT1	0.439795	2.818588	0.005393	0.793662
cg05181186	chr4	85504391		-0.26012	-2.80812	0.005564	0.79684
cg03539623	chr11	75294284	SERPINH1	-0.37576	-2.80956	0.00554	0.79684
cg00473749	chr7	63955932		0.550666	2.81769	0.005408	0.793662
cg05827233	chr18	33484837		-0.26535	-2.81769	0.005408	0.793662
cg11926268	chr2	2.2E+08		0.233763	2.8094	0.005543	0.79684
cg07797367	chr6	84136471		-0.48183	-2.81785	0.005405	0.793662

cg05826255	chr18	55019307		0.408458	2.80347	0.005641	0.79684
cg12090994	chr14	1.05E+08		-0.30155	-2.80813	0.005563	0.79684
cg00910586	chr8	54522246		0.571225	2.807069	0.005581	0.79684
cg19352062	chr8	9791449		0.347417	2.814394	0.005461	0.793815
cg14119706	chr14	60180222		-0.47804	-2.80476	0.005619	0.79684
cg05251952	chr4	1.66E+08		0.390629	2.807971	0.005566	0.79684
cg16742990	chr6	1.28E+08		-0.44179	-2.80458	0.005622	0.79684
cg08690859	chr2	2E+08		0.344013	2.810785	0.00552	0.796297
cg00042335	chr10	70587154		-0.1695	-2.80137	0.005676	0.797531
cg15868178	chr3	1.21E+08		-0.32451	-2.81181	0.005503	0.795727
cg16706240	chr12	1.25E+08	DNAH10;TCTN2;CCDC92;ZNF664;DHX37;DNAH10OS;ATP6V0A2	0.304762	2.805896	0.0056	0.79684
cg12533479	chr10	1.27E+08		-0.22793	-2.81086	0.005519	0.796297
cg01017608	chr13	91627026		0.326813	2.831548	0.005189	0.790074
cg11706177	chr7	1.56E+08		0.267685	2.814365	0.005461	0.793815
cg17693669	chr2	8711075		0.439683	2.806392	0.005592	0.79684
cg03286202	chr11	71639070		-0.24362	-2.80859	0.005556	0.79684
cg24828455	chr3	1.93E+08		0.361374	2.812542	0.005491	0.795636
cg10851033	chr14	65377797		-0.54041	-2.80398	0.005632	0.79684
cg00083535	chr8	1.41E+08		-0.29069	-2.80599	0.005599	0.79684
cg00435606	chr17	16257223		0.397097	2.80539	0.005609	0.79684
cg26229648	chr11	58390406		-0.32034	-2.82281	0.005326	0.793658
cg19421752	chr5	1225224		-0.34387	-2.80894	0.00555	0.79684

cg25625146	chr22	37213081		0.339732	2.803318	0.005643	0.79684
cg10176692	chr11	48238296		0.555341	2.815943	0.005436	0.793662
cg11562312	chr8	1.44E+08		-0.35778	-2.80917	0.005546	0.79684
cg10741333	chr14	72400168		0.398726	2.811191	0.005513	0.796196
cg16357287	chr18	12947517		0.215837	2.81452	0.005459	0.793815
cg09182435	chr1	7579016		-0.29688	-2.8194	0.00538	0.793658
cg07962128	chr13	37004812		0.365187	2.81077	0.00552	0.796297
cg19844829	chr12	1.2E+08	SRSF9	0.451353	2.799175	0.005713	0.800051
ch.19.12242617R	chr19	12381617		-0.43108	-2.81	0.005533	0.796783
cg04028099	chr9	1.16E+08		-0.33786	-2.80576	0.005603	0.79684
cg24300012	chr2	32853008		-0.22052	-2.8054	0.005609	0.79684
cg01524278	chr12	54355460		0.334715	2.807998	0.005566	0.79684
cg09784977	chr15	83361057	RPS17	0.332962	2.810615	0.005523	0.796366
cg14929148	chr8	1.45E+08		-0.17027	-2.80916	0.005546	0.79684
cg21670752	chr8	41997579		-0.17964	-2.82041	0.005364	0.793658
cg06124793	chr11	1939725	LSP1	-0.3704	-2.80668	0.005588	0.79684
cg13987192	chr12	6933322		0.356254	2.819771	0.005374	0.793658
cg01188584	chr16	103901		0.201124	2.803666	0.005638	0.79684
cg07746943	chr3	238615		0.70258	2.813988	0.005468	0.793815
cg13170640	chr8	98471635		-0.35438	-2.80303	0.005648	0.79684
cg19619387	chr17	1881036	MIR22HG	0.233625	2.817512	0.005411	0.793662
cg11836884	chr10	11934313		-0.34175	-2.80874	0.005553	0.79684
cg27398720	chr4	1.12E+08		0.344817	2.796908	0.005751	0.800479
cg26452056	chr10	1.32E+08		0.393532	2.803652	0.005638	0.79684
cg17843887	chr1	2542359		0.358723	2.797261	0.005745	0.800479

cg23878205	chr12	1.23E+08	CLIP1;ENSG0000 0256304	-0.47887	-2.8052	0.005612	0.79684
cg04048517	chr2	2.02E+08		0.319575	2.808143	0.005563	0.79684
cg26090940	chr12	60130454		-0.30835	-2.80664	0.005588	0.79684
cg24788028	chr19	30869034		-0.41155	-2.80268	0.005654	0.79684
cg17118775	chr8	74282812		0.841383	2.804022	0.005632	0.79684
cg00702325	chr1	17665930		-0.34959	-2.80409	0.005631	0.79684
cg15934090	chr1	1E+08		-0.31221	-2.81505	0.00545	0.793815
cg04378518	chr20	60585259		-0.38202	-2.8133	0.005479	0.794635
cg05658173	chr20	43377579	WFDC6	-0.31255	-2.81554	0.005442	0.793662
cg03743432	chr4	1.64E+08		0.450983	2.812145	0.005498	0.795727
cg24959965	chr18	76543059		-0.28968	-2.79598	0.005767	0.800479
cg20745652	chr12	69979104		-0.29634	-2.80373	0.005636	0.79684
cg05054683	chr16	1124349		-0.58601	-2.81892	0.005388	0.793658
cg17641631	chr3	4535021		-0.26198	-2.80563	0.005605	0.79684
cg23275972	chr7	1.57E+08		-0.43341	-2.80256	0.005656	0.79684
cg06826283	chr7	600452		-0.33016	-2.80025	0.005695	0.79902
cg10993074	chr6	31627313		0.264344	2.797705	0.005738	0.800479
cg01299369	chr10	1.03E+08		-0.2794	-2.80334	0.005643	0.79684
cg05226283	chr9	21560355		-0.57085	-2.81041	0.005526	0.796366
cg01859312	chr8	1.46E+08		-0.36921	-2.79426	0.005797	0.800495
cg13799941	chr7	96632294		0.26229	2.803173	0.005646	0.79684
cg21935549	chr17	48198183		-0.20819	-2.79479	0.005788	0.800479
cg24296920	chr10	1.24E+08		-0.30704	-2.81132	0.005511	0.796196
cg12683533	chr4	1.85E+08		-0.35904	-2.80272	0.005653	0.79684

cg16247184	chr17	63822421		-0.52423	-2.80209	0.005664	0.79684
cg24917673	chr19	17798755		0.438286	2.797842	0.005736	0.800479
cg01820093	chr3	55202157		-0.41245	-2.81253	0.005491	0.795636
cg21831612	chr13	1.12E+08		-0.42652	-2.79577	0.005771	0.800479
cg09875444	chr12	52317302	SLC4A8;OR7E47P;TFCP2	-0.28328	-2.80704	0.005581	0.79684
cg01298945	chr14	73259435		-0.3181	-2.80385	0.005635	0.79684
cg26067647	chr19	1420404		0.282655	2.8114	0.00551	0.796196
cg26856475	chr5	1.41E+08		0.385433	2.800186	0.005696	0.79902
cg03777868	chr7	1.35E+08		-0.29481	-2.80159	0.005672	0.797265
cg08164371	chr1	18967220		0.202417	2.799564	0.005706	0.799443
cg26446816	chr2	2.37E+08		-0.34724	-2.79656	0.005757	0.800479
cg01202519	chr11	85645743		0.477102	2.801942	0.005666	0.79684
cg16578938	chr5	1.79E+08	ADAMTS2;GFPT2	-0.29461	-2.79731	0.005745	0.800479
cg16036305	chr1	1.15E+08		-0.15031	-2.80359	0.005639	0.79684
cg04879832	chr16	88717456		-0.18823	-2.80189	0.005667	0.79684
cg00927035	chr11	45825445		0.287051	2.802095	0.005664	0.79684
cg09394306	chr2	20330742		-0.30684	-2.80801	0.005565	0.79684
cg06556497	chr18	76828521		0.470452	2.796604	0.005757	0.800479
cg01091156	chr16	87991122		-0.28673	-2.80023	0.005695	0.79902
cg10770533	chr1	2997542		-0.29151	-2.79739	0.005743	0.800479
cg08766503	chr6	32822246		-0.33464	-2.81409	0.005466	0.793815
cg24701606	chr13	1.15E+08		-0.37513	-2.80374	0.005636	0.79684
cg15571686	chr13	1.13E+08		-0.39361	-2.8104	0.005526	0.796366
cg18383538	chr6	28557823	ZSCAN12	0.396394	2.803871	0.005634	0.79684

cg10700634	chr1	6566528		-0.34885	-2.8022	0.005662	0.79684
ch.19.748535F	chr19	17764577		-0.35551	-2.80113	0.00568	0.797835
cg15203777	chr1	1.59E+08	SLAMF8;FCRL6;AIM2;CCDC19	-0.31928	-2.79448	0.005793	0.800479
cg20220196	chr16	111753		0.366567	2.803844	0.005635	0.79684
cg03585447	chr15	29077683	APBA2	0.372005	2.794802	0.005787	0.800479
cg00874073	chr17	73073329		0.24164	2.811154	0.005514	0.796196
cg25722880	chr19	8396681		-0.299	-2.80478	0.005619	0.79684
cg20479805	chr18	43684716	TCEB3B	-0.28393	-2.80067	0.005688	0.798671
cg07851278	chr18	21033426		-0.24622	-2.79957	0.005706	0.799443
cg00744524	chr6	44239416		-0.24559	-2.80406	0.005631	0.79684
cg23658362	chr1	1.8E+08	TOR1AIP2	-0.2811	-2.79296	0.005819	0.800567
cg10817223	chr8	1.45E+08		-0.35981	-2.80223	0.005662	0.79684
cg04228553	chr3	15247818	CCDC174;ENSG00000251576	-0.23803	-2.79456	0.005792	0.800479
cg03013699	chr7	50772477		-0.30144	-2.80309	0.005647	0.79684
cg19534805	chr19	6418059		0.365133	2.798686	0.005721	0.800211
cg00175579	chr6	33272215	HLA-DOA	0.30004	2.806461	0.005591	0.79684
cg24760414	chr11	3167563		0.342046	2.792818	0.005821	0.800567
cg14206668	chr10	31955302		0.276413	2.805887	0.005601	0.79684
cg27639662	chr4	81111393	PRDM8	0.362876	2.789902	0.005872	0.801315
cg26429856	chr1	1.84E+08		-0.21335	-2.80468	0.005621	0.79684
cg19808483	chr19	56011528		-0.24342	-2.80321	0.005645	0.79684
cg03052541	chr17	78925543		-0.21947	-2.80351	0.00564	0.79684
cg00422474	chr8	67261068		0.464554	2.793983	0.005801	0.800495

cg07539798	chr5	1.41E+08	WDR55;DIAPH1	0.444338	2.795802	0.00577	0.800479
cg25096847	chr8	95274654		-0.24398	-2.80475	0.005619	0.79684
cg27627803	chr17	20744682		0.50726	2.795322	0.005779	0.800479
cg19697239	chr12	752646		0.449558	2.790009	0.00587	0.801315
cg03347095	chr7	1.58E+08		-0.42549	-2.79747	0.005742	0.800479
cg03443751	chr19	37407462		0.228162	2.795557	0.005775	0.800479
cg20034372	chr15	37179610		-0.33817	-2.79217	0.005833	0.800567
cg18052106	chr6	93354363		0.49052	2.789799	0.005874	0.801315
cg02769104	chr1	27333245	CD52	0.237219	2.807816	0.005569	0.79684
cg09576124	chr4	1807287		-0.3306	-2.79439	0.005794	0.800479
cg02298116	chr14	57264579		0.344458	2.789237	0.005883	0.802132
cg04476286	chr9	1.4E+08		-0.349	-2.7936	0.005808	0.800557
cg11188741	chr12	42876885		0.236251	2.795067	0.005783	0.800479
cg15490715	chr6	29521568		0.621355	2.791927	0.005837	0.800567
cg05037168	chr11	46259470		0.27217	2.808827	0.005552	0.79684
cg22666598	chr13	27073814	WASF3	-0.55597	-2.79166	0.005841	0.800567
cg06302295	chr16	58764886		-0.33399	-2.80253	0.005657	0.79684
cg17653368	chr5	1.26E+08	ALDH7A1	0.36705	2.792144	0.005833	0.800567
cg02550949	chr12	22777790		-0.36056	-2.79495	0.005785	0.800479
cg23984035	chr1	2719864		-0.29262	-2.79509	0.005782	0.800479
cg11531021	chr2	2.2E+08		0.22643	2.797812	0.005736	0.800479
cg09618773	chr8	1049167		-0.54759	-2.79243	0.005828	0.800567
cg16935980	chr7	1.55E+08		0.405084	2.796091	0.005765	0.800479
cg18071832	chr13	23345152		0.389976	2.79778	0.005737	0.800479
cg02334081	chr10	45475126		-0.21744	-2.79162	0.005842	0.800567

cg09422614	chr19	54484823	ZNF415	0.359542	2.791543	0.005843	0.800567
cg12344605	chr17	11924919		0.253889	2.791439	0.005845	0.800567
cg07482257	chr5	1.74E+08		0.48934	2.792017	0.005835	0.800567
cg27570596	chr5	6633851		0.213442	2.796512	0.005758	0.800479
cg06264183	chr20	35202306		-0.43246	-2.78536	0.005951	0.803674
cg13643240	chr11	1.03E+08		0.360042	2.797223	0.005746	0.800479
cg02987095	chr1	1.46E+08		0.314556	2.798796	0.005719	0.800211
cg21942893	chr19	835499	HMHA1	0.434476	2.787503	0.005913	0.80338
cg15729137	chr19	36024282		0.478695	2.793852	0.005804	0.800495
cg04841121	chr21	47529764		-0.21314	-2.80286	0.005651	0.79684
cg08751265	chr13	95366044	GPC6	-0.25795	-2.789	0.005887	0.802442
cg26472973	chr7	1.58E+08		-0.30517	-2.79543	0.005777	0.800479
cg21047695	chr8	63614552		0.525177	2.787425	0.005915	0.80338
cg26775176	chr6	27725308		0.331992	2.78644	0.005932	0.80338
cg10079740	chr16	55513480		0.772596	2.798438	0.005726	0.800479
cg19611392	chr18	56888922		0.34526	2.796737	0.005754	0.800479
cg15682797	chr8	1049394		-0.59824	-2.78499	0.005958	0.803777
cg10731073	chr4	1.26E+08		0.398864	2.787602	0.005912	0.80338
cg00943245	chr5	1.41E+08	PCDH1	-0.27192	-2.79879	0.00572	0.800211
cg14932794	chr17	52977932		-0.22617	-2.78487	0.00596	0.803777
cg14422899	chr14	95538385		-0.24983	-2.79081	0.005856	0.801234
cg26601660	chr17	79849648	FN3KRP	-0.1886	-2.78809	0.005903	0.803051
cg13166532	chr14	50418578	KLHDC1	-0.43542	-2.7927	0.005824	0.800567
cg08739651	chr10	51784888		0.486579	2.788489	0.005896	0.802921
cg03276408	chr13	1.13E+08		0.313367	2.803881	0.005634	0.79684

cg04469880	chr19	36736565		0.302485	2.791432	0.005845	0.800567
cg06056028	chr17	17184997		0.552496	2.781893	0.006012	0.804467
cg00410576	chr15	52311136		-0.3246	-2.79502	0.005784	0.800479
cg00122215	chr14	68086827		-0.3156	-2.79373	0.005806	0.800495
cg10913456	chr6	35656590		0.16442	2.791555	0.005843	0.800567
cg17218882	chr3	1.39E+08		-0.34917	-2.78649	0.005931	0.80338
cg19062489	chr19	15662114		0.318678	2.790273	0.005865	0.801315
cg17589056	chr13	72454090		0.466531	2.79974	0.005704	0.799443
cg24613050	chr10	81743128		0.30775	2.785495	0.005949	0.803674
cg19275978	chr2	60983087	KIAA1841	0.360585	2.793027	0.005818	0.800567
cg13361920	chr10	94333759		-0.23168	-2.78851	0.005896	0.802921
cg01601573	chr4	1.44E+08		0.313671	2.791066	0.005852	0.80111
cg16778527	chr15	45406477		-0.21239	-2.79787	0.005735	0.800479
cg23877043	chr12	6818384	VWF;IFFO1;CLSTN3	-0.55928	-2.79591	0.005769	0.800479
cg26631127	chr19	54568346		0.331114	2.799086	0.005715	0.800051
cg17839259	chr20	62715661		-0.17191	-2.7898	0.005873	0.801315
cg02770672	chr6	1.64E+08		-0.56975	-2.78526	0.005953	0.803674
cg11525011	chr12	1.33E+08	ENSG00000250790	0.554227	2.786323	0.005934	0.80338
cg13812937	chr17	26793413		0.361221	2.791415	0.005846	0.800567
cg07865444	chr8	47866659		0.457221	2.794626	0.00579	0.800479
cg00912277	chr7	55313376		-0.73305	-2.7933	0.005813	0.800567
cg10404950	chr11	1.07E+08		-0.31118	-2.79384	0.005804	0.800495
cg02046854	chr7	2699640		-0.33103	-2.78128	0.006023	0.804467
cg11920737	chr2	64880293		0.51798	2.785398	0.00595	0.803674

cg19548862	chr14	67692701		-0.37384	-2.78828	0.0059	0.802995
cg01183579	chr11	66512052		-0.19125	-2.78467	0.005963	0.803777
cg24538292	chr2	2.07E+08	ENSG00000225216;NRP2;ENSG00000180672	0.37838	2.781805	0.006014	0.804467
cg09861992	chr6	29342815		-0.39229	-2.79445	0.005793	0.800479
cg12843528	chr6	32016803		-0.3657	-2.78623	0.005936	0.80338
cg22050705	chr3	44666898		0.37694	2.784438	0.005967	0.803823
cg01350169	chr10	98862384		-0.26689	-2.78407	0.005974	0.804184
cg04460984	chr15	78933630	ADAMTS7	0.360546	2.789266	0.005883	0.802132
cg08452327	chr11	1.28E+08		-0.32194	-2.79995	0.0057	0.799325
cg18226166	chr19	45996901	PPM1N	0.332686	2.788472	0.005897	0.802921
cg14615807	chr1	55464173		-0.26252	-2.79199	0.005836	0.800567
cg11025604	chr11	72182728	ENSG00000225805	-0.30346	-2.79097	0.005853	0.80111
cg11229578	chr19	2230593		0.20334	2.785675	0.005945	0.803674
cg06403422	chr16	30970886		0.251522	2.775436	0.006127	0.805651
cg15400703	chr14	93391194		-0.27427	-2.7818	0.006014	0.804467
cg06082318	chr13	1.02E+08		-0.49625	-2.78127	0.006023	0.804467
cg18404374	chr3	26663551	SLC4A7	0.439969	2.784253	0.00597	0.804008
cg02599551	chr9	1E+08		-0.33198	-2.78823	0.005901	0.802995
cg22435982	chr17	42441259		0.242192	2.79269	0.005824	0.800567
cg12940337	chr11	1023614		-0.35132	-2.77871	0.006069	0.805058
cg25412546	chr5	76925450		0.335529	2.79379	0.005805	0.800495
cg23050437	chr7	45197609		-0.33686	-2.78572	0.005945	0.803674
cg02688226	chr5	68665548		0.205688	2.783751	0.005979	0.804184

cg27504117	chr2	2.41E+08		0.253929	2.780377	0.006039	0.804467
cg04057858	chr8	10383763	BLK	-0.32481	-2.77767	0.006087	0.805539
cg17716930	chr19	51017331		-0.32405	-2.78699	0.005922	0.80338
cg09226288	chr22	51225561	ODF3B;RABL2B;TYMP;DENND6B;RPL23AP82;SCO2	-0.29767	-2.78241	0.006003	0.804467
cg17428774	chr17	73070880		-0.33027	-2.78671	0.005927	0.80338
cg19994159	chr13	22794813		-0.30859	-2.78209	0.006009	0.804467
cg15770515	chr3	1.19E+08		-0.48744	-2.78246	0.006002	0.804467
cg20646018	chr12	4430090	DYRK4	-0.23323	-2.77713	0.006097	0.805651
cg16874442	chr9	25678485		0.288009	2.787771	0.005909	0.80338
cg09683566	chr17	21002807		0.189062	2.779782	0.00605	0.804777
cg09391136	chr5	1.77E+08		0.735775	2.775532	0.006126	0.805651
cg06132876	chr6	31692080		0.214608	2.786816	0.005925	0.80338
cg19759847	chr17	56283364		-0.57471	-2.81903	0.005386	0.793658
cg25094081	chr6	31829205		0.285399	2.778956	0.006064	0.804922
cg07915343	chr11	18477680		0.524462	2.785239	0.005953	0.803674
cg19797376	chr1	47695475		0.331144	2.784755	0.005962	0.803777
cg24822053	chr19	18979397		0.618486	2.797311	0.005745	0.800479
cg04380873	chr3	1.84E+08	MAP3K13;EHHADH;ABCC5;CHRD	-0.3903	-2.79263	0.005825	0.800567
cg17077639	chr6	31055492		-0.50304	-2.78215	0.006008	0.804467
cg13460942	chr1	52870042		-0.36589	-2.77818	0.006078	0.805085
cg20165416	chr10	89264080		0.490397	2.786436	0.005932	0.80338
cg08550205	chr17	45786854		0.459388	2.778876	0.006066	0.804922

cg18154014	chr19	37997991		0.273049	2.774531	0.006144	0.805651
cg05568761	chr17	42297957		-0.23702	-2.78251	0.006001	0.804467
cg08166631	chr1	40599011		0.485637	2.780443	0.006038	0.804467
cg10511758	chr4	2817055	LETM1	-0.28794	-2.77594	0.006118	0.805651
cg09367901	chr14	54418851	CDKN3	0.561988	2.782271	0.006005	0.804467
cg09212058	chr2	37543459		-0.3816	-2.78549	0.005949	0.803674
cg22510376	chr5	1.79E+08		0.340825	2.77905	0.006063	0.804922
cg07200850	chr16	74808755		-0.23572	-2.77998	0.006046	0.804777
cg06522054	chr18	11752538		0.42646	2.7945	0.005793	0.800479
cg25152631	chr3	1.41E+08		-0.29588	-2.79	0.00587	0.801315
cg02906787	chr1	1.55E+08	YY1AP1	-0.20856	-2.78682	0.005925	0.80338
cg20067089	chr7	1E+08		0.249395	2.782365	0.006004	0.804467
cg25040562	chr14	99850049		-0.33094	-2.77661	0.006106	0.805651
cg23521281	chr2	1.9E+08	HIBCH	-0.27519	-2.78274	0.005997	0.804467
cg05928342	chr19	9473598		0.337012	2.787204	0.005919	0.80338
cg16735821	chr18	13727230		-0.22053	-2.77943	0.006056	0.804868
cg13826862	chr9	1.31E+08		0.183426	2.780439	0.006038	0.804467
cg06324373	chr10	99734805		0.583139	2.780594	0.006035	0.804467
cg03217209	chr5	1.15E+08		-0.28168	-2.79002	0.00587	0.801315
cg20758219	chr3	1.39E+08		0.55937	2.772638	0.006178	0.805651
cg27079680	chr5	1.5E+08	SLC36A1;ZNF300P1	0.444388	2.782514	0.006001	0.804467
cg06049791	chr20	43280726		-0.248	-2.77427	0.006148	0.805651
cg08518329	chr2	20101943		0.210964	2.789844	0.005873	0.801315
cg26476574	chr10	27485901		-0.37644	-2.77194	0.006191	0.805651

cg04237662	chr11	1.17E+08		-0.22225	-2.77661	0.006106	0.805651
cg02839811	chr19	51607208		-0.3444	-2.77412	0.006151	0.805651
cg11527988	chr1	2.37E+08		0.600019	2.780336	0.00604	0.804467
cg21724044	chr7	1.07E+08		-0.40552	-2.77898	0.006064	0.804922
cg13254898	chr17	1957794		-0.26932	-2.77967	0.006052	0.804792
cg01753252	chr16	88757588		-1.76681	-2.76915	0.006242	0.805651
cg17119279	chr8	1049477		-0.52437	-2.77356	0.006161	0.805651
cg27105446	chr14	23504664		0.358721	2.770692	0.006213	0.805651
cg05637536	chr1	1.54E+08		0.399463	2.787105	0.00592	0.80338
cg19476037	chr6	1.69E+08		0.284737	2.780598	0.006035	0.804467
cg01847719	chr11	34460557		-0.50005	-2.79496	0.005785	0.800479
cg16698521	chr6	1.67E+08		0.43945	2.773086	0.00617	0.805651
cg26677431	chr1	1.17E+08		0.336692	2.774789	0.006139	0.805651
cg01229452	chr17	7350282	KIAA0753	0.32874	2.775789	0.006121	0.805651
cg16199881	chr4	1.87E+08		0.529669	2.77449	0.006144	0.805651
cg02356993	chr15	27111476		0.284526	2.77592	0.006119	0.805651
cg04065338	chr2	1.21E+08		0.321284	2.772561	0.006179	0.805651
cg24856802	chr10	1.33E+08		-0.33757	-2.778	0.006081	0.805085
cg13730358	chr10	1.34E+08		0.389398	2.789933	0.005871	0.801315
cg26482757	chr15	85999002		0.380758	2.775584	0.006125	0.805651
cg03903250	chr6	1.59E+08		-0.43063	-2.78197	0.006011	0.804467
cg10760112	chr17	1420209		-0.27326	-2.77274	0.006176	0.805651
cg14517067	chr3	1.97E+08		0.195271	2.783802	0.005978	0.804184
cg26284300	chr6	90025968		-0.3295	-2.76707	0.00628	0.805651
cg19440484	chr8	93977688		0.338766	2.770348	0.00622	0.805651

cg24817216	chr8	63516617		-0.39677	-2.78056	0.006036	0.804467
cg05859323	chr12	1.21E+08		0.298957	2.775093	0.006134	0.805651
cg03946186	chr1	1.98E+08		0.416615	2.770524	0.006216	0.805651
cg07366196	chr12	1.28E+08		0.216914	2.776956	0.0061	0.805651
cg18498684	chr8	1.41E+08		-0.28702	-2.77409	0.006152	0.805651
cg10084902	chr5	1.68E+08		0.290178	2.773917	0.006155	0.805651
ch.11.1155333R	chr11	60687684		-0.30616	-2.78381	0.005978	0.804184
cg14188481	chr12	99038318		-0.22963	-2.77365	0.00616	0.805651
cg05759150	chr10	1.25E+08		0.235018	2.787017	0.005922	0.80338
cg00033457	chr8	74884507		-0.2668	-2.77293	0.006173	0.805651
cg15475840	chr10	1.03E+08		0.351629	2.766312	0.006294	0.805651
cg26187942	chr6	83837754		-0.28796	-2.78001	0.006045	0.804777
cg10329694	chr17	3592947	P2RX5;ITGAE	-0.26742	-2.77026	0.006221	0.805651
cg14880655	chr20	33133505		-0.30957	-2.78228	0.006005	0.804467
cg02704895	chr6	28109581		-0.25055	-2.78072	0.006033	0.804467
cg05231930	chr16	57758366		-0.37846	-2.76915	0.006242	0.805651
cg20366633	chr6	32797234		0.32616	2.772849	0.006174	0.805651
cg10084644	chr7	99775521		0.561482	2.771709	0.006195	0.805651
cg22633390	chr7	1.01E+08		0.244764	2.780336	0.00604	0.804467
cg17459497	chr2	3675253		-0.28762	-2.76553	0.006308	0.805651
cg26741530	chr10	1.05E+08		0.391147	2.771507	0.006199	0.805651
cg16196812	chr10	1.2E+08		0.384445	2.769219	0.00624	0.805651
cg00170236	chr7	99691604		0.264984	2.774485	0.006145	0.805651
cg24687276	chr15	89163928		0.384972	2.772309	0.006184	0.805651
cg05287886	chr19	12167119		0.319064	2.772555	0.00618	0.805651

cg15401968	chr17	1179554	RTN4RL1	0.292567	2.777964	0.006082	0.805085
cg17747635	chr2	6964889		-0.34513	-2.77731	0.006094	0.805651
cg00930606	chr22	31740944	SMTN;SLC5A4	0.223251	2.779501	0.006055	0.804868
cg22131217	chr17	80348302		-0.32253	-2.77278	0.006175	0.805651
cg14425863	chr11	17566034		0.493434	2.768333	0.006257	0.805651
cg04137594	chr20	62737966		-0.30216	-2.778	0.006081	0.805085
cg11751806	chr12	43945680		0.47154	2.765715	0.006305	0.805651
cg16494590	chr6	26421791		-0.20534	-2.76952	0.006235	0.805651
cg17630885	chr12	1.33E+08		-0.32601	-2.78448	0.005966	0.803823
cg07217625	chr2	29093807		0.426911	2.785143	0.005955	0.803674
cg06243556	chr19	58609473	ZNF671	-0.20747	-2.77113	0.006206	0.805651
cg15087129	chr21	47532333		-0.36828	-2.76491	0.00632	0.805651
cg25606097	chr1	1.7E+08		-0.32536	-2.77605	0.006116	0.805651
cg21755153	chr8	1.46E+08		0.278014	2.772421	0.006182	0.805651
cg26706187	chr11	1.15E+08		0.641201	2.781793	0.006014	0.804467
cg14709691	chr1	46632871		0.672082	2.768107	0.006261	0.805651
cg04671300	chr11	70962357		0.317708	2.763423	0.006347	0.805651
cg05348366	chr1	19665184	KLHDC7A;UBXN10	0.636238	2.776443	0.006109	0.805651
cg08491919	chr6	43255944		-0.21658	-2.76826	0.006258	0.805651
cg01977082	chr8	1.01E+08		0.433872	2.769103	0.006242	0.805651
cg01472538	chr16	58549086		-0.1989	-2.78214	0.006008	0.804467
cg10592454	chr6	27215509	HCG11;HIST1H2BH;ZKSCAN8;HIST1H2BN	0.269629	2.783102	0.005991	0.804467
cg10204053	chr19	36630888		-0.17164	-2.77342	0.006164	0.805651

cg23845450	chr1	75597887		0.486378	2.769941	0.006227	0.805651
cg23581793	chr14	95999775		-0.34084	-2.77468	0.006141	0.805651
cg02470736	chr12	50505862		-0.16836	-2.76867	0.00625	0.805651
cg23113826	chr21	15580581		0.405027	2.772944	0.006172	0.805651
cg21468939	chr17	58226730		0.352817	2.763311	0.006349	0.805651
cg14155972	chr9	1.39E+08		0.221814	2.778349	0.006075	0.805085
cg01644741	chr20	47896888		0.438332	2.769476	0.006236	0.805651
cg15499402	chr6	97282253		-0.35308	-2.77822	0.006077	0.805085
cg08945340	chr16	1077028	TSR3	-0.33058	-2.78092	0.006029	0.804467
cg00352560	chr1	45106266		-0.35504	-2.77279	0.006175	0.805651
cg02471917	chr5	1.6E+08		-0.50578	-2.76617	0.006296	0.805651
cg26334627	chr12	22095477		0.408607	2.763169	0.006352	0.805651
cg02678476	chr4	1.84E+08		-0.2995	-2.78098	0.006028	0.804467
cg13893637	chr11	2783554		-0.29293	-2.76628	0.006294	0.805651
cg05981247	chr2	8821346		-0.23445	-2.77071	0.006213	0.805651
cg21831467	chr13	29397818		-0.48534	-2.7655	0.006309	0.805651
cg17990185	chr17	75797067	TMC8	0.287029	2.76265	0.006362	0.805651
cg07530599	chr17	74275137	ST6GALNAC2;RNF157-AS1;LINC00338;SMIM5;RHBDF2	-0.21465	-2.77049	0.006217	0.805651
cg01646795	chr7	57324841		0.567916	2.762256	0.006369	0.805651
cg24737374	chr15	77933785		-0.38914	-2.76486	0.006321	0.805651
cg13663667	chr19	4180236	DPP9	0.24915	2.764704	0.006324	0.805651
cg24275437	chr10	1.35E+08		-0.35161	-2.76752	0.006271	0.805651

cg16888559	chr15	34031029		-0.3325	-2.76616	0.006297	0.805651
cg13487026	chr13	1.14E+08		-0.39743	-2.77284	0.006174	0.805651
cg26892635	chr16	3253043	ENSG00000272079	-0.45224	-2.76948	0.006235	0.805651
cg16495873	chr8	77616126		-0.45757	-2.75965	0.006418	0.807205
cg23357805	chr12	95135078	RN7SL330P	-0.33514	-2.7685	0.006254	0.805651
cg12106976	chr6	1.52E+08		0.48459	2.758655	0.006437	0.807205
cg19404582	chr9	1.4E+08		0.259646	2.775459	0.006127	0.805651
cg04871460	chr1	1991521	MXRA8;RER1;SKI;VWA1	0.34737	2.775083	0.006134	0.805651
cg24986615	chr7	597101	GPER1;GPR146	0.379255	2.767506	0.006272	0.805651
cg22123504	chr17	17897313		0.260701	2.764089	0.006335	0.805651
cg08869383	chr1	11865661	TNFRSF8	-0.21302	-2.76349	0.006346	0.805651
cg13326227	chr20	20349168		0.202177	2.765682	0.006305	0.805651
cg12074090	chr8	6360436		-0.37652	-2.76581	0.006303	0.805651
cg24012811	chr10	1.18E+08		-0.44682	-2.77847	0.006073	0.805085
cg09251600	chr1	1.8E+08	ANGPTL1	-0.47571	-2.77932	0.006058	0.804881
cg27009550	chr22	26830041		-0.33814	-2.76903	0.006244	0.805651
cg16140794	chr1	2.11E+08		-0.43733	-2.76439	0.006329	0.805651
cg15326755	chr17	25620596		-0.26324	-2.77986	0.006048	0.804777
cg19875936	chr12	7858848		-0.26078	-2.76462	0.006325	0.805651
cg21236593	chr15	75287447	PML	0.252403	2.76313	0.006353	0.805651
cg05953751	chr17	80054291	SECTM1;ENSG00000262410	0.29246	2.765456	0.00631	0.805651
cg08044634	chr3	10436197		-0.26218	-2.76939	0.006237	0.805651
cg23582644	chr18	61557687	BCL2;SERPINB2;PHLPP1	-0.49543	-2.7646	0.006326	0.805651

cg23614816	chr10	3150966		0.499101	2.767194	0.006278	0.805651
cg01247127	chr20	1538366	SDCBP2	-0.34262	-2.75838	0.006442	0.807205
cg17100751	chr1	2.3E+08		0.283519	2.761724	0.006379	0.805651
cg08015755	chr4	1.56E+08		-0.25713	-2.76243	0.006366	0.805651
cg16562913	chr10	92682357		-0.3531	-2.76252	0.006364	0.805651
cg17888792	chr10	92631135		0.49105	2.759263	0.006425	0.807205
cg06339712	chr11	1.18E+08		-0.19645	-2.76326	0.00635	0.805651
cg23912081	chr2	4156091		-0.54281	-2.76153	0.006383	0.805651
cg03054684	chr3	39543515		0.783686	2.764142	0.006334	0.805651
cg07477815	chr19	5785818		0.313968	2.774296	0.006148	0.805651
cg12474759	chr6	26027625		-0.34266	-2.76298	0.006356	0.805651
cg13053150	chr6	1.23E+08		-0.38788	-2.76381	0.00634	0.805651
cg17247149	chr3	66455638		0.296413	2.768012	0.006262	0.805651
cg12187624	chr19	13226110		-0.2983	-2.76063	0.006399	0.80651
cg13292777	chr11	34196220		0.285768	2.763516	0.006346	0.805651
cg15841212	chr18	51885030		0.345946	2.764486	0.006328	0.805651
cg04772947	chr11	57363540		-0.36438	-2.76791	0.006264	0.805651
cg01848372	chr6	1.68E+08		-0.28814	-2.77081	0.006211	0.805651
cg15775138	chr7	1.28E+08		0.273974	2.773811	0.006157	0.805651
cg02867763	chr5	1.41E+08	KIAA0141	0.379584	2.766438	0.006291	0.805651
cg10374084	chr19	50666238		0.783178	2.761259	0.006388	0.805651
cg19952704	chr4	1.88E+08		-0.5646	-2.81013	0.005531	0.796736
cg27625562	chr10	75599274		-0.27585	-2.76482	0.006321	0.805651
cg17540624	chr19	50167792		-0.25034	-2.75414	0.006522	0.80845
cg01977756	chr16	58021912		0.310752	2.758214	0.006445	0.807205

cg11786657	chr15	27113511		0.428403	2.761825	0.006377	0.805651
cg09401099	chr3	1.57E+08	LINC00886	0.421909	2.765509	0.006309	0.805651
cg01434160	chr5	1.22E+08		0.36417	2.762372	0.006367	0.805651
ch.9.107006705R	chr9	1.08E+08	NIPSNAP3A	-0.32243	-2.77216	0.006187	0.805651
cg01899130	chr14	55348681	CNIH1	0.406168	2.762907	0.006357	0.805651
cg08774009	chr8	49309094		0.374648	2.766183	0.006296	0.805651
cg09481404	chr15	53087316		0.512115	2.765344	0.006312	0.805651
cg13892386	chr9	1.21E+08	ASTN2	-0.32644	-2.76882	0.006248	0.805651
cg19806833	chr8	10529501		-0.32491	-2.7593	0.006424	0.807205
cg11028453	chr11	43374300		-0.36009	-2.77139	0.006201	0.805651
cg17179875	chr1	1.17E+08		-0.19908	-2.7586	0.006438	0.807205
cg00320749	chr22	39715143		-0.37129	-2.75566	0.006493	0.80845
cg02038168	chr22	39784481		0.343192	2.76142	0.006385	0.805651
cg19711579	chr2	1.83E+08		0.323345	2.769385	0.006237	0.805651
cg05486551	chr20	5731259		0.410835	2.762393	0.006367	0.805651
cg22645350	chr2	2.02E+08		0.415933	2.758311	0.006443	0.807205
cg16269236	chr17	53638963		-0.34396	-2.76187	0.006376	0.805651
cg17370981	chr13	1.14E+08		-0.66858	-2.76393	0.006338	0.805651
cg22109841	chr2	1.92E+08		0.213124	2.758726	0.006435	0.807205
cg13415120	chr9	1.03E+08		-0.42613	-2.76115	0.00639	0.805651
cg04899753	chr14	1.01E+08		0.386521	2.757006	0.006468	0.807857
cg02047803	chr5	1.41E+08	PCDHB1;PCDHAC2;IK;WDR55;ENSG00000246422	-0.25683	-2.75732	0.006462	0.807833
cg27252855	chr3	16189891		0.355064	2.762102	0.006372	0.805651

cg14544583	chr11	5248566		-0.41342	-2.75966	0.006418	0.807205
cg02335971	chr8	1.21E+08	ENSG00000248318	0.213628	2.764278	0.006331	0.805651
cg13369332	chr2	1.13E+08		-0.39668	-2.77335	0.006165	0.805651
cg18742346	chr8	57358625		0.397125	2.763367	0.006348	0.805651
cg03697136	chr17	46703879		0.348684	2.761975	0.006374	0.805651
cg25506879	chr20	3388711		-0.20122	-2.76179	0.006378	0.805651
cg27405960	chr18	44786886		0.223284	2.763624	0.006344	0.805651
cg26605914	chr1	2174798		0.247002	2.761314	0.006387	0.805651
cg11403706	chr22	49042600		-0.37544	-2.75826	0.006444	0.807205
cg02295574	chr5	1054262		-0.3706	-2.77108	0.006206	0.805651
cg02428119	chr19	58520874		0.471687	2.753797	0.006529	0.80845
cg24727114	chr4	1.25E+08	SPRY1;LINC01091	0.46303	2.763038	0.006355	0.805651
cg01456368	chr3	52351859		0.684719	2.757082	0.006466	0.807857
cg00691969	chr14	64855353		-0.27243	-2.75809	0.006447	0.807205
cg15275017	chr3	1.23E+08	ADCY5	0.498008	2.757877	0.006451	0.807452
cg24454695	chr1	2.36E+08		0.307602	2.757698	0.006455	0.807638
cg21485122	chr2	71203331		-0.32513	-2.76951	0.006235	0.805651
cg02111951	chr11	61544854	SLC15A3	0.297969	2.760293	0.006406	0.806723
cg06734406	chr12	50349329	FMNL3	0.460154	2.759651	0.006418	0.807205
cg20527070	chr8	95906439		-0.42726	-2.76967	0.006232	0.805651
cg17269633	chr17	42733600	FMNL1;ENSG00000267121	0.399892	2.752616	0.006551	0.80845
cg26919657	chr15	78004680		-0.28616	-2.75172	0.006568	0.80845
cg00187503	chr18	74729519		0.288279	2.780544	0.006036	0.804467
cg21007691	chr14	1.03E+08		-0.35007	-2.76775	0.006267	0.805651

cg13156863	chr5	1.41E+08		0.411074	2.750216	0.006597	0.808617
cg09128169	chr8	8735969		-0.40543	-2.75746	0.006459	0.807736
cg07318983	chr1	91185922		0.387203	2.75145	0.006574	0.808496
cg09000469	chr10	1.34E+08		-0.35833	-2.75258	0.006552	0.80845
cg13754879	chr4	44680204		0.35543	2.756807	0.006471	0.807889
cg05736424	chr2	1.28E+08		-0.41846	-2.75417	0.006522	0.80845
cg13088465	chr1	2.27E+08	ITPKB;WNT9A;C1orf95	-0.78573	-2.75537	0.006499	0.80845
cg13280359	chr4	1353105		-0.38065	-2.76556	0.006308	0.805651
cg20442550	chr17	73512550		-0.26261	-2.75354	0.006534	0.80845
cg21737066	chr3	72495901		-0.20121	-2.76312	0.006353	0.805651
cg11410682	chr19	46999224	NOVA2;SNRPD2;FOXA3;HIF3A;MYPOP	-0.3297	-2.76545	0.00631	0.805651
cg26898352	chr4	1.13E+08		0.175547	2.754439	0.006516	0.80845
cg10760299	chr15	45669010	GATM	0.517877	2.755816	0.00649	0.80845
cg10297491	chr10	11059677		-0.22524	-2.75138	0.006575	0.808496
cg03414631	chr1	26146153		-0.32029	-2.76858	0.006252	0.805651
cg02848875	chr15	64387786		0.563513	2.770841	0.006211	0.805651
cg04075546	chr7	54143022		-0.36634	-2.75454	0.006514	0.80845
cg19350767	chr11	57956794	TIMM10;ZDHHC5;APLNR;UBE2L6;SLC43A1	-0.39196	-2.74854	0.00663	0.808617
cg04025701	chr5	1.5E+08		0.237453	2.750989	0.006582	0.808617

cg27096043	chr13	1.13E+08	ATP11A;ADPRHL1;DCUN1D2;TUBGCP3;ATP11A-AS1	0.564042	2.760123	0.006409	0.806885
cg14253875	chr9	1.16E+08		-0.25783	-2.75481	0.006509	0.80845
cg07142131	chr1	22247949		0.237508	2.754206	0.006521	0.80845
cg03216729	chr16	603845		-0.25632	-2.75485	0.006509	0.80845
cg08888354	chr19	37958707		0.312016	2.751624	0.00657	0.80845
cg02040921	chr17	61554411	C17orf72;MARCH10	-0.2388	-2.75212	0.006561	0.80845
cg00018606	chr2	2.09E+08	KLF7	0.552906	2.761194	0.006389	0.805651
cg10385411	chr19	48897143		0.213433	2.753125	0.006542	0.80845
cg21333338	chr17	2808456	TRPV3	-0.28181	-2.77015	0.006223	0.805651
cg15076820	chr6	33376315		-0.36614	-2.76129	0.006387	0.805651
cg08959039	chr13	1.11E+08	COL4A2;COL4A1;RAB20	-0.37079	-2.75911	0.006428	0.807205
cg21488066	chr6	28367898	ZSCAN23	0.443549	2.753111	0.006542	0.80845
ch.12.1183517F	chr12	56819834		-0.43895	-2.74806	0.006639	0.808617
cg13840174	chr1	18693462	AKR7A2;KLHDC7A	-0.36779	-2.76313	0.006353	0.805651
cg24084363	chr13	45992551		0.272033	2.760309	0.006406	0.806723
cg26160086	chr7	1.57E+08		-0.19313	-2.76134	0.006386	0.805651
cg08623223	chr8	11141415		0.546156	2.763153	0.006352	0.805651
cg16872226	chr7	94023749		0.247514	2.75077	0.006587	0.808617
cg24303559	chr2	2335769		0.407584	2.757457	0.006459	0.807736
ch.6.751103R	chr6	31113865		-0.25329	-2.76709	0.00628	0.805651
cg20312581	chr10	96305480		0.242117	2.753351	0.006537	0.80845
cg23654844	chr1	1.54E+08		-0.27802	-2.75445	0.006516	0.80845

cg16811558	chr7	50634252		-0.34627	-2.75378	0.006529	0.80845
cg24554508	chr8	987162		-0.31553	-2.75846	0.00644	0.807205
cg23660197	chr6	31477952	RPL3P2	0.312827	2.751713	0.006569	0.80845
cg06711175	chr5	55543927		0.323389	2.755486	0.006497	0.80845
cg03838868	chr4	1.54E+08		-0.27518	-2.75349	0.006535	0.80845
cg25382108	chr6	1.26E+08		-0.28141	-2.76596	0.0063	0.805651
cg02482614	chr1	995013		-0.20406	-2.75067	0.006589	0.808617
cg26750617	chr12	1.32E+08		0.559417	2.756793	0.006472	0.807889
cg09216666	chr1	8436291		-0.35381	-2.75568	0.006493	0.80845
cg21151769	chr20	30946476		-0.21394	-2.75103	0.006582	0.808617
cg07868909	chr6	1.37E+08		-0.23151	-2.75389	0.006527	0.80845
cg03019355	chr6	40345751		0.316319	2.752173	0.00656	0.80845
cg14258756	chr1	6158059		-0.41431	-2.75705	0.006467	0.807857
cg23868672	chr14	35344258		-0.18101	-2.75808	0.006447	0.807205
cg04303920	chr6	73951939	CD109	-0.25628	-2.76377	0.006341	0.805651
cg06670267	chr4	13632652		0.424867	2.758878	0.006432	0.807205
cg26646397	chr5	1.5E+08		-0.33148	-2.75596	0.006487	0.80845
cg13523386	chr4	71457838		-0.37436	-2.76058	0.0064	0.80651
cg18159276	chr13	1.14E+08		-0.30411	-2.75007	0.0066	0.808617
cg01450390	chr19	54483251		0.389638	2.750402	0.006594	0.808617
cg07367469	chr5	1.16E+08		-0.30721	-2.7536	0.006532	0.80845
cg19106467	chr2	3836516		-0.26183	-2.74945	0.006612	0.808617
cg21864519	chr15	79298396		-0.25483	-2.75253	0.006553	0.80845
cg02387701	chr11	67810303		-0.26204	-2.74522	0.006694	0.810156
cg24363848	chr1	16439898		-0.19726	-2.74991	0.006603	0.808617

cg26148377	chr1	1.54E+08	INTS3;C1orf189	0.506953	2.752505	0.006553	0.80845
cg15408722	chr7	1.58E+08		-0.88956	-2.74587	0.006682	0.810156
cg02510299	chr8	1.21E+08		-0.38714	-2.75658	0.006476	0.808166
cg26428825	chr9	2717531		0.323707	2.753711	0.00653	0.80845
cg26791384	chr16	77246057		-0.22627	-2.75309	0.006542	0.80845
cg05914369	chr5	1.47E+08		-0.22766	-2.75337	0.006537	0.80845
cg15685006	chr8	11413043		-0.30471	-2.75181	0.006567	0.80845
cg21268770	chr15	36837152		-0.39871	-2.741	0.006777	0.812482
cg25771451	chr4	1.8E+08		-0.47382	-2.74906	0.00662	0.808617
cg27550606	chr6	30881786		0.193369	2.758183	0.006446	0.807205
cg15270892	chr3	27762352		0.319355	2.748069	0.006639	0.808617
cg05636912	chr5	64011797		-0.42405	-2.7518	0.006567	0.80845
cg14521552	chr15	25312131		-0.33006	-2.74958	0.00661	0.808617
cg11844965	chr19	42510093		-0.42702	-2.7474	0.006652	0.809319
cg14999726	chr17	31251090		-0.30664	-2.75249	0.006554	0.80845
cg17757778	chr10	53778690		-0.39174	-2.75247	0.006554	0.80845
cg18756545	chr19	58666863	ZNF418;ENSG00000176593;ZNF274;ENSG00000269054;ZNF135;ZNF671	0.316513	2.74895	0.006622	0.808617
cg18522603	chr2	2.06E+08		-0.62937	-2.75867	0.006436	0.807205
cg07775417	chr4	84469563	PLAC8	-0.47937	-2.75479	0.00651	0.80845
cg00508499	chr22	38054505		-0.23809	-2.76458	0.006326	0.805651
cg24106040	chr1	44612654		0.332029	2.74784	0.006643	0.808751
cg00617064	chr2	27272375		0.405166	2.749306	0.006615	0.808617

cg03483330	chr2	1.76E+08		-0.38856	-2.74763	0.006647	0.809025
cg18137598	chr14	1.04E+08		0.545969	2.763229	0.006351	0.805651
cg17463745	chr1	16554402		0.499022	2.752806	0.006548	0.80845
cg10997540	chr12	71376748		-0.40543	-2.75067	0.006589	0.808617
cg17084326	chr8	17104852		-0.30764	-2.74656	0.006668	0.810156
cg11696576	chr6	1.61E+08	ENSG00000272841	-0.27713	-2.74941	0.006613	0.808617
cg00399951	chr7	8476098		0.368266	2.748229	0.006636	0.808617
cg26897904	chr11	1892142	LSP1	0.358542	2.745129	0.006696	0.810156
cg08900233	chr1	45454424		-0.30115	-2.74641	0.006671	0.810156
cg11369706	chr11	32122111		0.252525	2.752547	0.006553	0.80845
cg11950785	chr6	1.55E+08		0.270454	2.743962	0.006719	0.810626
cg24567464	chr20	44039093		-0.41409	-2.74856	0.006629	0.808617
cg18048309	chr8	1.46E+08		0.364376	2.743182	0.006734	0.811006
cg27001184	chr7	94286267		0.255138	2.751596	0.006571	0.80845
cg21932513	chr1	17751974		-0.34423	-2.75122	0.006578	0.808617
cg20460153	chr15	57602664		-0.29935	-2.74697	0.00666	0.809993
cg26195178	chr5	1885716		0.41906	2.751599	0.006571	0.80845
cg10618882	chr19	18509358	JAK3;FCHO1	-0.26203	-2.74507	0.006697	0.810156
cg14799129	chr3	1.07E+08		-0.29981	-2.74803	0.00664	0.808617
cg07976644	chr1	55266932		0.193255	2.748543	0.00663	0.808617
cg05206120	chr14	69730129	GALNT16;ACTN1;ENSG00000242941	0.370898	2.761244	0.006388	0.805651
cg24163616	chr10	1E+08		0.269561	2.743936	0.006719	0.810626
ch.1.3056292F	chr1	1.56E+08		-0.39944	-2.74578	0.006683	0.810156
cg02028814	chr17	73197937		0.32646	2.748632	0.006628	0.808617

cg00353330	chr4	1.02E+08		-0.42613	-2.74499	0.006699	0.810156
cg02433882	chr6	44187031		0.423477	2.753647	0.006532	0.80845
cg01560773	chr21	47428846		-0.42669	-2.74799	0.00664	0.808617
cg08309747	chr11	13983705		-0.34421	-2.74937	0.006614	0.808617
cg03712816	chr18	76741157		0.365309	2.742445	0.006749	0.81203
cg00232387	chr19	2717526		0.523752	2.748121	0.006638	0.808617
cg16763574	chr13	1.12E+08		0.465361	2.749148	0.006618	0.808617
cg07238189	chr16	81130092	ENSG00000260183	0.15531	2.749814	0.006605	0.808617
cg05271255	chr17	79821342	PYCR1;LINC00482;SECTM1;NOTUM;SIRT7;P4HB	-0.36398	-2.75414	0.006522	0.80845
cg05813380	chr8	1.22E+08		0.26532	2.749218	0.006617	0.808617
cg15235999	chr19	52996352		0.374915	2.765966	0.0063	0.805651
cg15148879	chr11	47788577		0.189367	2.743742	0.006723	0.810854
cg10378792	chr6	33764239		-0.29	-2.74184	0.006761	0.812482
cg07976787	chr16	25598190		-0.60724	-2.73783	0.00684	0.812482
cg18578939	chr12	2919557		0.372811	2.739183	0.006813	0.812482
cg01617859	chr6	41527294		0.275908	2.742375	0.00675	0.81203
cg09180512	chr15	37110422		0.467678	2.766939	0.006282	0.805651
cg10890403	chr12	1.32E+08		0.333296	2.734242	0.006912	0.812482
cg23648263	chr2	8686184		-0.31216	-2.74454	0.006708	0.810156
cg22976331	chr5	1.4E+08		-0.42119	-2.74614	0.006676	0.810156
cg13607709	chr3	46940153		0.485304	2.743305	0.006732	0.810973
cg23362089	chr6	31638864		-0.19436	-2.74917	0.006618	0.808617
cg14810501	chr22	50609143		-0.20455	-2.74108	0.006776	0.812482

cg10620395	chr5	1056468		-0.2955	-2.74051	0.006787	0.812482
cg18283627	chr1	6202409		-0.37689	-2.73667	0.006863	0.812482
cg13879776	chr3	1.7E+08		0.39733	2.740589	0.006785	0.812482
cg27176614	chr16	88717989	CYBA	-0.35163	-2.74574	0.006684	0.810156
cg19823452	chr19	17326726	COLGALT1	0.253497	2.735995	0.006877	0.812482
cg06615464	chr1	32080287		-0.27456	-2.74676	0.006664	0.810145
cg11213383	chr9	17579734		0.415088	2.743385	0.00673	0.810973
cg07425597	chr17	43503567		-0.24459	-2.7364	0.006868	0.812482
cg23942984	chr12	14103087		-0.36802	-2.75563	0.006494	0.80845
cg15646463	chr2	51446925		-0.46468	-2.74538	0.006691	0.810156
ch.10.295680R	chr10	10685161		-0.59987	-2.74554	0.006688	0.810156
cg25778262	chr12	69327449		0.261771	2.744407	0.00671	0.810199
cg22041988	chr1	55181385		-0.23633	-2.74873	0.006626	0.808617
cg03656099	chr17	59481954		0.567694	2.743465	0.006729	0.810973
cg02177621	chr14	53196625		0.252131	2.738216	0.006832	0.812482
cg25008152	chr12	69561355		0.279842	2.749804	0.006605	0.808617
cg00664723	chr5	15927184		-0.73276	-2.73915	0.006814	0.812482
cg14843129	chr5	75810564		-0.40635	-2.73989	0.006799	0.812482
cg13377530	chr16	88709526	GALNS	-0.36064	-2.74117	0.006774	0.812482
cg20252111	chr20	42143211		0.158173	2.739163	0.006813	0.812482
cg18633568	chr22	45897933	ENSG00000226328;ENSG00000238120;FBLN1;RIBC2;NUP50;ENSG00000273243	-0.25548	-2.74078	0.006781	0.812482

cg21703538	chr17	7145882		0.312787	2.740723	0.006783	0.812482
cg10332321	chr1	7184783		0.236334	2.76181	0.006377	0.805651
cg08671764	chr11	57996369	FAM111B	-0.41196	-2.74692	0.006661	0.809993
cg21167269	chr9	98981500		0.529509	2.743098	0.006736	0.811006
cg12354382	chr3	1.33E+08		-0.31202	-2.73614	0.006874	0.812482
cg23930334	chr11	64993335	PLCB3;FRMD8;PPP1R14B;KCNK7	-0.32126	-2.74158	0.006766	0.812482
cg00825967	chr16	88990454		-0.2568	-2.73665	0.006863	0.812482
cg24724633	chr19	36909413		0.222802	2.753729	0.00653	0.80845
cg02312170	chr10	1.23E+08		-0.25415	-2.74431	0.006712	0.810202
cg13136721	chr17	78937183		-0.50626	-2.73512	0.006894	0.812482
cg01959123	chr15	65197576	ANKDD1A	0.845734	2.732145	0.006954	0.813208
cg09988059	chr16	2072809		-0.25821	-2.75292	0.006545	0.80845
cg18901140	chr17	8908225		0.421187	2.744633	0.006706	0.810156
cg10334354	chr4	66535203		0.639797	2.737788	0.006841	0.812482
cg00299052	chr11	1.25E+08		-0.28146	-2.74943	0.006613	0.808617
cg08371706	chr13	21291998		0.343763	2.737735	0.006842	0.812482
cg02594410	chr6	1.08E+08		-0.23061	-2.73321	0.006932	0.813184
cg23207527	chr6	17283113	KDM1B;RBM24;STMND1;CAP2;GMPR;FAM8A1	0.430726	2.746085	0.006677	0.810156
cg13505608	chr9	1.4E+08		-0.40524	-2.7406	0.006785	0.812482
cg17995867	chr18	19749168		0.183089	2.740168	0.006794	0.812482
cg06273125	chr3	1.13E+08	ZBTB20	-0.39553	-2.74528	0.006693	0.810156

cg16301004	chr10	1.06E+08	CALHM2;USMG5;OBFC1;GSTO1;SLK	-0.41264	-2.7393	0.006811	0.812482
ch.21.366880F	chr21	33747404		-0.44548	-2.73753	0.006846	0.812482
cg02677035	chr11	1.29E+08		-0.29831	-2.73796	0.006837	0.812482
cg01864361	chr19	54188647		0.301139	2.74558	0.006687	0.810156
cg09233013	chr16	66638412		-0.22039	-2.74005	0.006796	0.812482
cg11652636	chr2	55450823		0.506134	2.737956	0.006837	0.812482
cg07901143	chr1	3568707		-0.23552	-2.73174	0.006962	0.813208
cg21809913	chr14	1.02E+08		-0.29996	-2.73406	0.006915	0.812482
cg12257830	chr1	22191591		-0.27134	-2.73432	0.00691	0.812482
cg22144668	chr5	1.32E+08	ENSG00000233006	-0.34133	-2.72884	0.007021	0.814093
cg24347903	chr11	46958091		0.317245	2.735678	0.006883	0.812482
cg11557901	chr9	1.28E+08		-0.40591	-2.74151	0.006767	0.812482
cg21271015	chr1	4542704		-0.37274	-2.73631	0.00687	0.812482
cg25454931	chr2	1.32E+08		-0.43289	-2.73257	0.006945	0.813208
cg21789326	chr7	26487456		-0.3468	-2.73681	0.00686	0.812482
cg14603085	chr8	1.01E+08	RGS22;SPAG1	0.30032	2.740257	0.006792	0.812482
cg14032732	chr10	11784473	ECHDC3	0.587913	2.736138	0.006874	0.812482
cg03247208	chr2	39005648		-0.26248	-2.73317	0.006933	0.813184
cg08623948	chr7	23221430		-0.22027	-2.7392	0.006813	0.812482
cg15739758	chr20	23402367	NAPB	0.375553	2.733672	0.006923	0.812802
cg20672930	chr12	259396		0.402252	2.734663	0.006903	0.812482
cg13273916	chr14	1.03E+08		-0.33019	-2.73002	0.006997	0.813208
cg10030512	chr7	2656424		0.382489	2.732017	0.006957	0.813208
cg01927550	chr14	1.03E+08		0.309462	2.738686	0.006823	0.812482

cg12891252	chr10	43902500		-0.50633	-2.74085	0.00678	0.812482
cg19885001	chr13	50388665		-0.3503	-2.73754	0.006846	0.812482
cg05024207	chr1	35545302		0.294643	2.734056	0.006915	0.812482
cg02029091	chr6	1.67E+08		0.218001	2.738205	0.006833	0.812482
cg26162836	chr1	1.6E+08	NDUFS2	-0.22237	-2.74654	0.006669	0.810156
cg04296837	chr1	46087792	TSPAN1;HECTD3;IPP	-0.35004	-2.73038	0.00699	0.813208
cg25861699	chr6	10882050		0.218115	2.740503	0.006787	0.812482
cg17445765	chr7	64403162	ENSG00000229064	0.620306	2.736612	0.006864	0.812482
cg13454542	chr4	1.88E+08		0.345667	2.728372	0.007031	0.814093
cg10401367	chr1	1.51E+08	POGZ;RPRD2	-0.28029	-2.74245	0.006748	0.81203
cg04056757	chr17	73361703		-0.53794	-2.73319	0.006933	0.813184
cg00883311	chr2	62932096		-0.32232	-2.73674	0.006862	0.812482
cg01893571	chr2	38272884	ENSG00000272054;SOS1	-0.39234	-2.74193	0.006759	0.812482
cg21741223	chr5	1257903		-0.4708	-2.73569	0.006883	0.812482
cg03158194	chr2	2.04E+08		-0.32954	-2.74463	0.006706	0.810156
cg22473637	chr6	1E+08		0.411623	2.733082	0.006935	0.813184
cg13436213	chr6	1.64E+08		-0.27481	-2.72824	0.007033	0.814093
cg20823742	chr2	1.37E+08	CXCR4	0.314751	2.739898	0.006799	0.812482
cg04428701	chr10	81892639		-0.20757	-2.74535	0.006692	0.810156
cg24237636	chr20	8481650		-0.38612	-2.73729	0.006851	0.812482
cg18317022	chr19	48017995		-0.22256	-2.73181	0.006961	0.813208
cg21762788	chr8	9756501		0.505739	2.730629	0.006985	0.813208
cg14071023	chr6	45901289		-0.24722	-2.73886	0.006819	0.812482
cg10457440	chr6	26663660		0.324749	2.731348	0.00697	0.813208

cg22411165	chr7	42251735		-0.26453	-2.74339	0.00673	0.810973
cg08182501	chr2	1.77E+08		0.36955	2.73135	0.00697	0.813208
cg23018891	chr1	1.15E+08		-0.25613	-2.73471	0.006902	0.812482
cg05175540	chr6	2890674		-0.30597	-2.7321	0.006955	0.813208
cg11111740	chr6	28584288	PGBD1	0.386494	2.735584	0.006885	0.812482
cg06181761	chr14	92042045	ATXN3	-0.45006	-2.73546	0.006887	0.812482
cg15390518	chr5	1.46E+08		-0.40734	-2.73882	0.00682	0.812482
cg27552218	chr7	1.03E+08		-0.48812	-2.73224	0.006952	0.813208
cg11807143	chr6	13326305		0.473909	2.728384	0.00703	0.814093
cg21528204	chr6	1E+08		0.38582	2.744803	0.006702	0.810156
cg05028555	chr10	1.11E+08		-0.41106	-2.72869	0.007024	0.814093
cg25398727	chr8	10756220		-0.40993	-2.74048	0.006787	0.812482
cg02434035	chr7	1273835		0.369344	2.7352	0.006892	0.812482
cg24346223	chr19	36279422		-0.23969	-2.72824	0.007033	0.814093
cg03225520	chr7	72437350		-0.27198	-2.7374	0.006849	0.812482
cg25841348	chr2	2.18E+08		-0.32157	-2.73731	0.00685	0.812482
cg01334232	chr3	1.79E+08		-0.28845	-2.73949	0.006807	0.812482
cg02227879	chr10	75576192	TTC18;P4HA1	0.42218	2.73022	0.006993	0.813208
cg01693246	chr15	31512162		-0.5377	-2.73135	0.00697	0.813208
cg00257878	chr7	54827094		0.281434	2.744522	0.006708	0.810156
cg21775668	chr6	1.31E+08		0.372888	2.731518	0.006967	0.813208
cg13341907	chr17	7402671		0.195226	2.730235	0.006993	0.813208
cg22450406	chr2	2.35E+08		-0.44064	-2.72723	0.007054	0.814093
cg13747066	chr9	74525074		-0.43103	-2.73095	0.006978	0.813208
cg19263974	chr12	3103878	PARP11	-0.28492	-2.73003	0.006997	0.813208

cg11480762	chr10	73103395	SLC29A3;UNC5B;PALD1	0.348003	2.73515	0.006894	0.812482
cg25452503	chr7	23052616		0.441368	2.726264	0.007074	0.814093
cg10067970	chr13	95359666		0.372929	2.739793	0.006801	0.812482
cg02557922	chr2	595312	FAM110C;SH3YL1	-0.40511	-2.73469	0.006903	0.812482
cg25952104	chr14	74250584		0.378648	2.73179	0.006961	0.813208
cg27607438	chr10	1.33E+08		-0.31644	-2.7255	0.007089	0.814093
cg13191008	chr11	4629912		0.327402	2.731712	0.006963	0.813208
cg10016647	chr7	22528033		-0.32171	-2.73485	0.0069	0.812482
cg12679760	chr1	36786615	CSF3R	0.361305	2.727446	0.00705	0.814093
cg01618781	chr21	43187300		-0.22246	-2.72915	0.007015	0.814093
cg10332202	chr1	32573013		0.217906	2.739918	0.006799	0.812482
cg08629043	chr2	2.4E+08		-0.2954	-2.73872	0.006822	0.812482
cg04482948	chr2	2.28E+08		-0.26799	-2.7362	0.006873	0.812482
cg23545828	chr10	1.25E+08		-0.34895	-2.72483	0.007103	0.814093
cg04021544	chr7	2705189		0.546275	2.733643	0.006924	0.812802
cg21279840	chr7	1.58E+08		-0.32719	-2.73065	0.006984	0.813208
cg06466027	chr17	26691950		0.375702	2.725791	0.007083	0.814093
cg20680460	chr1	1.68E+08		0.313074	2.733009	0.006937	0.813184
cg07355763	chr5	1.28E+08		-0.40379	-2.73112	0.006975	0.813208
cg04101194	chr4	25656865	SLC34A2	0.848985	2.724941	0.007101	0.814093
cg04693014	chr5	1.81E+08		0.540509	2.723664	0.007127	0.814633
cg21737226	chr8	53326668	RB1CC1	0.488357	2.734493	0.006907	0.812482
cg18110359	chr2	45179970		-0.30374	-2.73663	0.006864	0.812482
cg14639567	chr2	2.38E+08		-0.31198	-2.7309	0.006979	0.813208

cg19930057	chr18	19180767		-0.24443	-2.73862	0.006824	0.812482
cg01269469	chr7	1.55E+08		0.260314	2.73762	0.006844	0.812482
cg04066019	chr3	16554466		0.234299	2.730808	0.006981	0.813208
cg09551172	chr1	1E+08		-0.20622	-2.72762	0.007046	0.814093
cg01133856	chr18	11822136		0.244037	2.740117	0.006795	0.812482
cg04647835	chr8	1.31E+08		-0.32582	-2.72912	0.007015	0.814093
cg01576779	chr2	2.43E+08		-0.36591	-2.72696	0.007059	0.814093
cg01410522	chr8	1026545		-0.23091	-2.73027	0.006992	0.813208
cg11914020	chr5	1.18E+08		-0.34448	-2.72483	0.007103	0.814093
cg21022447	chr6	30521181		-0.2349	-2.72431	0.007114	0.814093
cg11671771	chr15	65133392	ANKDD1A	0.334986	2.727454	0.007049	0.814093
cg24441440	chr10	1.2E+08		0.576243	2.728677	0.007024	0.814093
cg19227947	chr10	1.01E+08		-0.22008	-2.72627	0.007074	0.814093
cg26470926	chr11	1.06E+08		-0.38063	-2.72454	0.007109	0.814093
cg21503392	chr6	1.68E+08		-0.22751	-2.73436	0.006909	0.812482
cg23935300	chr7	6661876	MIOS	0.37047	2.736103	0.006874	0.812482
cg00399059	chr8	1.44E+08	FAM83H-AS1;RHPN1-AS1;MAPK15;RHPN1;LY6H;BAI1;PYCRL;PSCA	0.472607	2.721587	0.00717	0.814633
cg05875239	chr14	99787559		-0.38883	-2.73435	0.00691	0.812482
cg16998656	chr7	32114197		-0.42376	-2.72165	0.007169	0.814633
cg27374167	chr15	28359911		0.215454	2.727268	0.007053	0.814093
cg07697895	chr7	1.17E+08		0.452805	2.735087	0.006895	0.812482
cg04524719	chr5	14065611		0.35679	2.736788	0.006861	0.812482

ch.1.944912R	chr1	28658666		-0.35979	-2.72984	0.007001	0.81334
cg09356124	chr19	18256654		-0.27236	-2.72303	0.00714	0.814633
cg00912639	chr12	21590544		0.220606	2.72748	0.007049	0.814093
cg16579429	chr14	71279803		0.294287	2.728056	0.007037	0.814093
cg18979762	chr1	2.32E+08		0.387227	2.728338	0.007031	0.814093
cg22699620	chr21	46348691	ITGB2-AS1	0.432134	2.725011	0.0071	0.814093
cg10504606	chr17	8464766		-0.32236	-2.73083	0.006981	0.813208
cg14030083	chr17	72983622		-0.27174	-2.73172	0.006963	0.813208
cg01723606	chr7	1.02E+08		0.388223	2.728218	0.007034	0.814093
cg17944241	chr17	40021637		-0.14091	-2.73397	0.006917	0.812482
cg10761315	chr14	1.05E+08		0.467678	2.724119	0.007118	0.814124
cg01939336	chr5	1.14E+08		-0.34707	-2.72428	0.007114	0.814093
cg05761564	chr18	48194330	CCDC11	-0.32883	-2.72137	0.007175	0.814633
cg22142137	chr14	22103031		-0.37394	-2.72114	0.00718	0.814633
cg03839626	chr11	57479895		0.271803	2.740097	0.006795	0.812482
cg19305545	chr1	3548894		-0.46415	-2.73533	0.00689	0.812482
cg06025671	chr8	1.42E+08		-0.38573	-2.72611	0.007077	0.814093
cg20553394	chr11	64879336		-0.23681	-2.72004	0.007202	0.814633
cg16220743	chr11	1.3E+08	TMEM45B;ARHGAP32;ENSG00000255455;ENSG00000175773;BAX2	0.574711	2.734882	0.006899	0.812482
cg02459375	chr2	3393152		-0.36906	-2.71665	0.007274	0.815165
cg05149776	chr5	1.41E+08		-0.27685	-2.71682	0.00727	0.815165
cg01315863	chr2	2.43E+08		-0.2416	-2.72466	0.007107	0.814093

cg16246488	chr2	10444921		0.296831	2.732663	0.006944	0.813208
cg07262139	chr11	1.34E+08		0.54597	2.721133	0.00718	0.814633
cg03935956	chr16	23511855	PLK1;PRKCB;ENSG00000261266;ERN2;ENSG00000261583;SCNN1G	-0.46894	-2.71832	0.007238	0.814633
cg09133953	chr17	37824468		-0.32815	-2.72285	0.007144	0.814633
cg17961077	chr8	297436		0.381787	2.730869	0.00698	0.813208
cg17155596	chr10	90640042		-0.24216	-2.745	0.006699	0.810156
cg22158229	chr18	76686008		-0.43867	-2.72527	0.007094	0.814093
cg13875536	chr9	1.35E+08		-0.21098	-2.72513	0.007097	0.814093
cg24684336	chr15	42565701		-0.2009	-2.72513	0.007097	0.814093
cg03641797	chr7	5396436		0.334657	2.728045	0.007037	0.814093
cg04692870	chr22	42525206		0.537677	2.731584	0.006965	0.813208
cg06443542	chr10	1E+08		0.226705	2.720786	0.007187	0.814633
cg11654737	chr6	80816077		-0.40805	-2.7246	0.007108	0.814093
cg06072743	chr3	1.41E+08		-0.27626	-2.72449	0.00711	0.814093
cg23676734	chr17	76491989		-0.26264	-2.71751	0.007255	0.814763
cg19342102	chr11	32265612		0.44992	2.726819	0.007062	0.814093
cg24953321	chr3	32860553		0.23743	2.723278	0.007135	0.814633
cg04230699	chr12	12849443		0.186974	2.726589	0.007067	0.814093
cg17823321	chr10	70287041		-0.19976	-2.72603	0.007079	0.814093
cg22127114	chr1	2440270		0.330614	2.719213	0.00722	0.814633
cg11414267	chr10	99694717		-0.45313	-2.716	0.007287	0.815165
cg16162391	chr10	29698368		-0.63254	-2.71608	0.007286	0.815165

cg19280206	chr3	1.97E+08	DLG1	0.425259	2.725647	0.007086	0.814093
cg00657810	chr16	69967212		-0.30738	-2.72322	0.007137	0.814633
cg03466932	chr6	26027575		-0.24415	-2.72221	0.007157	0.814633
cg05658046	chr6	32163730		-0.17739	-2.72262	0.007149	0.814633
cg23452220	chr4	16846297		-0.34018	-2.73745	0.006848	0.812482
cg24707505	chr2	1.79E+08		0.219978	2.720567	0.007192	0.814633
cg16468389	chr17	46831742		0.298348	2.719982	0.007204	0.814633
cg22922226	chr14	96505373		0.213442	2.72479	0.007104	0.814093
cg18030545	chr6	1.07E+08		-0.24163	-2.72244	0.007153	0.814633
cg22498223	chr7	1.58E+08	ENSG00000222012;ENSG00000233038	-0.40705	-2.72012	0.007201	0.814633
cg07490719	chr2	39744451	TMEM178A;ARHGEF33;DHX57;MORN2	-0.47007	-2.72134	0.007176	0.814633
cg07457944	chr18	67957061		0.241456	2.717352	0.007259	0.814763
cg04806421	chr16	15069894		-0.24092	-2.72551	0.007089	0.814093
cg21880020	chr6	1.68E+08	SMOC2;DACT2;MLLT4;FGFR1OP	-0.30634	-2.72294	0.007142	0.814633
cg13311655	chr2	1.85E+08		-0.37396	-2.72171	0.007168	0.814633
cg07596524	chr8	65286371		0.254384	2.720738	0.007188	0.814633
cg17512922	chr1	3548777	TP73-AS1;MEGF6	-0.55874	-2.72566	0.007086	0.814093
cg15355015	chr7	1.02E+08		0.338468	2.717611	0.007253	0.814763
cg10821044	chr17	685468		0.204581	2.720507	0.007193	0.814633
cg26297968	chr2	2.11E+08		-0.24334	-2.71981	0.007207	0.814633

cg20706638	chr1	2.28E+08		-0.18976	-2.72017	0.0072	0.814633
cg17924227	chr2	1.28E+08		0.306231	2.722651	0.007148	0.814633
cg01548742	chr16	3311857		0.381119	2.714389	0.007321	0.815566
cg11904686	chr3	52811517		-0.32682	-2.72537	0.007092	0.814093
cg18772882	chr15	88616079	ACAN;NTRK3;MFGE8	0.314601	2.724573	0.007109	0.814093
cg26651148	chr7	1.58E+08		-0.63274	-2.7195	0.007214	0.814633
cg15222899	chr18	55095249		0.474516	2.724224	0.007116	0.814093
cg16007541	chr11	18728598	ZDHHC13	0.44795	2.725427	0.007091	0.814093
cg03315346	chr1	19109544		-0.28487	-2.71804	0.007244	0.814763
cg23585687	chr6	82161324		-0.41201	-2.71358	0.007338	0.81599
cg24271203	chr12	1.23E+08	CLIP1;ENSG00000251497;PITPNM2	-0.43305	-2.71905	0.007223	0.814633
cg17923947	chr14	50584005	CDKL1	0.429417	2.719262	0.007219	0.814633
cg17470061	chr1	33336618		-0.1975	-2.72363	0.007128	0.814633
cg16234726	chr14	1.02E+08		-0.25587	-2.72704	0.007058	0.814093
cg14080982	chr15	71736038		-0.35705	-2.73093	0.006979	0.813208
cg04768459	chr10	73828556		0.253585	2.718601	0.007233	0.814633
cg14205131	chr9	86323672		0.233904	2.724584	0.007108	0.814093
cg08120263	chr14	29236013		0.392774	2.726186	0.007075	0.814093
cg08172787	chr19	44258864		-0.21157	-2.71346	0.007341	0.816052
cg25226572	chr10	64564161		0.157262	2.72256	0.00715	0.814633
cg00085256	chr2	2.18E+08		0.277713	2.715054	0.007307	0.815566
cg27537290	chr8	1.14E+08		0.33385	2.727042	0.007058	0.814093
cg21696975	chr1	1.53E+08		-0.36385	-2.71874	0.00723	0.814633

cg15837383	chr16	84256190		0.352846	2.716605	0.007275	0.815165
cg12338657	chr10	80384267		-0.37407	-2.71754	0.007255	0.814763
cg03341508	chr8	38238324		-0.39755	-2.71846	0.007235	0.814633
cg12682573	chr17	27188876	TWF1P1	0.248044	2.719578	0.007212	0.814633
cg11642127	chr8	1.43E+08		-0.28204	-2.71515	0.007305	0.815566
cg06638433	chr17	47075175		0.351604	2.725094	0.007098	0.814093
cg16077226	chr11	62156701	FADS3;RAB3IL1;FADS1;LRRN4CL	0.386115	2.716267	0.007282	0.815165
cg12368055	chr3	15469185		-0.16608	-2.71912	0.007222	0.814633
cg06518998	chr16	88460822		0.551112	2.714613	0.007317	0.815566
cg23455614	chr5	44808879		0.387426	2.722075	0.00716	0.814633
cg08739738	chr12	1963310		-0.39388	-2.7199	0.007206	0.814633
cg26011548	chr10	1.34E+08		-0.40025	-2.73472	0.006902	0.812482
cg23288653	chr1	1.55E+08		-0.21307	-2.71279	0.007355	0.816588
cg04010684	chr7	94284411		0.378705	2.717308	0.00726	0.814763
cg27219874	chr16	67696095		-0.3189	-2.72304	0.00714	0.814633
cg20999799	chr1	2.28E+08		-0.26444	-2.72999	0.006998	0.813208
cg21617870	chr15	64525039		-0.48199	-2.72212	0.007159	0.814633
cg19496059	chr17	71308198		-0.21722	-2.71102	0.007393	0.817125
cg04830814	chr5	32174484		-0.20828	-2.71564	0.007295	0.815538
cg00911226	chr7	38580353	EPDR1;SFRP4	-0.42853	-2.71822	0.007241	0.814633
cg19211934	chr2	6913403		0.256287	2.720109	0.007201	0.814633
cg27143570	chr10	1.03E+08		0.335576	2.718467	0.007235	0.814633
cg09147985	chr11	40314618		0.306482	2.711673	0.007379	0.817124
cg01804528	chr11	75167027	ARRB1	-0.28738	-2.71454	0.007318	0.815566

cg25686891	chr4	854566		-0.21375	-2.72286	0.007144	0.814633
cg22743884	chr8	11839844		-0.36299	-2.70956	0.007424	0.817499
cg25475056	chr19	36138893		0.482807	2.720875	0.007185	0.814633
cg22475859	chr2	365090		-0.3408	-2.71144	0.007384	0.817125
cg06093039	chr12	1.32E+08	GPR133	0.529358	2.709077	0.007435	0.817499
cg11554975	chr13	1.12E+08		-0.28879	-2.70845	0.007448	0.817499
cg11646259	chr7	34026657		0.393868	2.71438	0.007321	0.815566
cg12156167	chr8	1.34E+08		0.313019	2.713272	0.007345	0.816075
cg19901801	chr1	1.15E+08		0.49775	2.718551	0.007234	0.814633
cg07131413	chr11	1.25E+08		-0.34154	-2.71972	0.007209	0.814633
cg04867115	chr2	20645320		0.423559	2.711647	0.00738	0.817124
cg23291886	chr4	1.74E+08	GALNT7	0.375547	2.714171	0.007326	0.815566
cg04090745	chr6	32724369	BAK1;TAP1;TAP2;HSPA1L;KIFC1	-0.41393	-2.71651	0.007277	0.815165
cg03643838	chr11	1978156		0.223585	2.718307	0.007239	0.814633
cg13446404	chr3	46640523		0.296994	2.7161	0.007285	0.815165
cg25272065	chr1	77334678		0.478101	2.706483	0.00749	0.817805
cg14180479	chr11	17667326		-0.22646	-2.71906	0.007223	0.814633
cg21565937	chr2	709250	PXDN	0.522779	2.711073	0.007392	0.817125
cg02742533	chr7	75608829		0.311359	2.708915	0.007438	0.817499
cg09553346	chr10	1.24E+08		-0.27304	-2.7082	0.007453	0.817499
cg10064400	chr1	90460439		0.181921	2.712392	0.007364	0.816845
cg01313234	chr8	82595877		-0.31792	-2.7109	0.007395	0.817125
cg15580052	chr12	618772	B4GALNT3	-0.47772	-2.70868	0.007443	0.817499
cg04493143	chr5	1.48E+08		0.495214	2.709976	0.007415	0.817499

cg09131629	chr2	1.28E+08		-0.19619	-2.71048	0.007404	0.817125
cg16575530	chr2	8118404		-0.35413	-2.7243	0.007114	0.814093
cg04364453	chr2	10442941		-0.12816	-2.72909	0.007016	0.814093
cg13313616	chr11	2127569		-0.32338	-2.70749	0.007469	0.817804
cg20832722	chr2	1.99E+08		0.450739	2.710407	0.007406	0.817125
cg02751449	chr3	1.42E+08		-0.20821	-2.71214	0.007369	0.816845
cg17314538	chr4	1.87E+08		0.25872	2.71432	0.007323	0.815566
cg19602315	chr17	30669494		0.337021	2.718601	0.007233	0.814633
cg04043336	chr16	87741582		-0.30173	-2.71687	0.007269	0.815165
cg13566181	chr9	7797446		-0.34	-2.71421	0.007325	0.815566
cg01566242	chr1	1.5E+08	ECM1	-0.18444	-2.71586	0.00729	0.815288
cg14052221	chr9	80912058		0.287364	2.714265	0.007324	0.815566
cg26422624	chr10	98469535		0.396194	2.710812	0.007397	0.817125
cg20216139	chr11	16632509		0.387968	2.71358	0.007338	0.81599
cg07925429	chr10	1.15E+08		-0.34106	-2.70527	0.007517	0.817805
cg14706297	chr2	43328266		0.434313	2.709217	0.007432	0.817499
cg25856632	chr17	7111551	CLDN7;TXNDC17;MPDU1;AURKB;VAMP2;PHF23	0.311786	2.709004	0.007436	0.817499
cg27583383	chr20	3185850		0.293878	2.716723	0.007272	0.815165
cg23120518	chr6	84233917		-0.36053	-2.71123	0.007388	0.817125
cg12096759	chr14	96002581		-0.32277	-2.70887	0.007439	0.817499
cg01972843	chr22	17680706	CECR1	-0.53341	-2.72435	0.007113	0.814093
cg05647720	chr2	2.32E+08		-0.3374	-2.70876	0.007441	0.817499
cg12637057	chr20	59967284		0.31638	2.715573	0.007296	0.815538

cg08077673	chr7	1.3E+08	MKLN1	0.405652	2.714733	0.007314	0.815566
cg26686366	chr7	1.4E+08		-0.26282	-2.72161	0.00717	0.814633
cg06791971	chr17	80986867		-0.31205	-2.72055	0.007192	0.814633
cg11793978	chr5	1.35E+08		-0.46611	-2.70245	0.007578	0.818601
cg21576698	chr1	46767971		-0.2212	-2.70844	0.007448	0.817499
cg19707013	chr19	38800279		-0.3456	-2.7152	0.007304	0.815566
cg23361862	chr10	15256422		0.449718	2.705241	0.007517	0.817805
cg27628536	chr5	43017351	C5orf34	0.325722	2.72389	0.007123	0.814446
cg14409850	chr12	27091377		0.236884	2.713071	0.007349	0.816126
cg21802726	chr20	33735257		-0.31843	-2.71055	0.007403	0.817125
cg20876987	chr6	28553998		0.326988	2.716017	0.007287	0.815165
cg24885055	chr2	1.63E+08		0.218034	2.713294	0.007345	0.816075
cg22100476	chr1	43638037		-0.30482	-2.7144	0.007321	0.815566
cg07402939	chr13	1.13E+08		-0.38808	-2.70624	0.007496	0.817805
cg06214745	chr17	1051817	FAM101B	0.230744	2.718661	0.007231	0.814633
cg13538865	chr8	7538373		0.16173	2.712011	0.007372	0.816931
cg05889932	chr4	1.14E+08		0.203054	2.718359	0.007238	0.814633
cg25147632	chr10	84027418		-0.35027	-2.70856	0.007446	0.817499
cg14812313	chr6	32797268	HLA-DMA;HLA-DQB2;HLA-DOA;HLA-DMB	0.600549	2.707498	0.007469	0.817804
cg04988845	chr11	1.12E+08		-0.21337	-2.7055	0.007512	0.817805
cg17773225	chr12	58165920	AGAP2	-0.21374	-2.70388	0.007547	0.817959
cg17594241	chr2	37571901		0.314127	2.718905	0.007226	0.814633

cg05223487	chr16	1080540	NME4	0.237022	2.706102	0.007499	0.817805
cg04328562	chr19	11649701		0.304479	2.704792	0.007527	0.817805
cg04391588	chr19	55832610		-0.29827	-2.71219	0.007368	0.816845
cg19673376	chr19	55721180	LENG9;HSPBP1	-0.26517	-2.71309	0.007349	0.816126
cg13860283	chr12	55524042	DGKA	-0.37905	-2.7111	0.007391	0.817125
cg27479759	chr12	1.05E+08		-0.33861	-2.72239	0.007154	0.814633
cg21105319	chr11	1.18E+08		-0.1885	-2.70766	0.007465	0.817804
cg11545521	chr11	48019467		0.311125	2.719393	0.007216	0.814633
cg08083088	chr11	1.19E+08	MCAM;CBL;RPL5P30	0.366324	2.704238	0.007539	0.817805
cg14305763	chr2	28114016		-0.31144	-2.71164	0.00738	0.817124
cg23474312	chr6	1.58E+08		0.301708	2.709149	0.007433	0.817499
cg11200568	chr7	226540		-0.28128	-2.71016	0.007411	0.81749
cg20309794	chr7	73184656		0.391561	2.70457	0.007532	0.817805
cg02605173	chr19	7566312		0.306041	2.71737	0.007258	0.814763
cg15085086	chr6	1.54E+08		0.458077	2.70698	0.00748	0.817805
cg03668556	chr6	2977293		-0.51458	-2.71068	0.0074	0.817125
cg04370834	chr17	21194769	MEIS3P2;DHRS7B	0.359949	2.723515	0.00713	0.814633
cg23279792	chr2	2.43E+08	ENSG00000220804	0.343459	2.709743	0.00742	0.817499
cg20643871	chr15	76629838		0.447849	2.71726	0.007261	0.814763
cg04839219	chr2	2.35E+08		0.262413	2.719624	0.007211	0.814633
cg13160874	chr2	2.43E+08		0.307918	2.705683	0.007508	0.817805
cg05221544	chr6	1.5E+08		0.247548	2.707692	0.007464	0.817804
cg14179031	chr21	42679822	FAM3B;RIPK4	-0.44519	-2.71157	0.007381	0.817124
cg10407092	chr17	69821245		-0.27774	-2.70419	0.00754	0.817805

cg15283904	chr10	27703377		0.366108	2.70099	0.00761	0.819533
ch.5.2679849F	chr5	1.43E+08		-0.4745	-2.70068	0.007617	0.819544
cg20340190	chr17	27950413		0.216013	2.705411	0.007514	0.817805
cg21977507	chr17	12145856	SHISA6	0.495608	2.70147	0.007599	0.819224
cg06710596	chr19	36024279		0.590049	2.708277	0.007452	0.817499
cg15049968	chr18	44337910		0.258783	2.7049	0.007525	0.817805
cg14465900	chr9	1.33E+08		-0.19115	-2.70173	0.007594	0.819224
cg08263750	chr16	62002686	CDH8	0.425821	2.703104	0.007564	0.818058
cg02917640	chr6	37673773		0.323947	2.708412	0.007449	0.817499
cg13558754	chr19	36247867	ENSG00000267053;DMKN	0.484992	2.703285	0.00756	0.817959
cg11728546	chr10	1.14E+08	ACSL5;ZDHHC6	-0.33098	-2.70964	0.007422	0.817499
cg20699780	chr17	935017	RTN4RL1;NXN	0.467271	2.703234	0.007561	0.817959
cg24748746	chr7	1.56E+08		-0.51625	-2.70832	0.007451	0.817499
cg03457195	chr2	1.62E+08	PSMD14	0.420667	2.712601	0.007359	0.816599
cg23987876	chr1	29562838		-0.22398	-2.71265	0.007358	0.816599
cg24803687	chr11	5462916	APBB1	-0.53305	-2.70443	0.007535	0.817805
cg17594351	chr12	81101397		0.350994	2.717264	0.007261	0.814763
cg10235355	chr17	6358830	ELP5	-0.39431	-2.70154	0.007598	0.819224
cg22937632	chr11	33563946	ENSG00000184566	-0.27042	-2.70489	0.007525	0.817805
cg23653835	chr1	31538603		-0.22163	-2.70418	0.00754	0.817805
cg04640197	chr7	1.03E+08	FAM185A	-0.26413	-2.71445	0.00732	0.815566
cg16002378	chr14	1.05E+08		-0.37572	-2.70576	0.007506	0.817805
cg05321225	chr14	1.05E+08		0.317508	2.707277	0.007473	0.817804
cg11774499	chr19	46303628		-0.3102	-2.71734	0.007259	0.814763

cg22981175	chr13	1.14E+08		0.30263	2.70832	0.007451	0.817499
cg17235610	chr9	82187209		-0.377	-2.70107	0.007608	0.819533
cg13332783	chr6	57040282		0.356438	2.709433	0.007427	0.817499
cg13905238	chr3	1.97E+08	DLG1	-0.49235	-2.69841	0.007667	0.820556
cg13146839	chr3	1.91E+08		0.452295	2.704574	0.007532	0.817805
cg22066108	chr4	3534761		0.328275	2.705081	0.007521	0.817805
cg22122174	chr6	44187055		0.27229	2.716168	0.007284	0.815165
cg07100411	chr11	64884229		0.277628	2.703616	0.007553	0.817959
cg16479674	chr1	2.49E+08		0.35089	2.704268	0.007538	0.817805
cg13629201	chr9	5111420		0.292425	2.703345	0.007559	0.817959
cg21992282	chr19	42826477	CEACAM6;CEACAM7	-0.24287	-2.7145	0.007319	0.815566
cg07862554	chr3	1.55E+08		0.403778	2.707272	0.007473	0.817804
cg05949205	chr7	1.27E+08		-0.23361	-2.70572	0.007507	0.817805
cg01264963	chr11	1.24E+08	CLMP	-0.44973	-2.71412	0.007327	0.815566
cg08870893	chr8	1.18E+08		-0.49701	-2.6981	0.007674	0.820589
cg01257171	chr5	1.73E+08		0.272476	2.70669	0.007486	0.817805
cg14557064	chr5	1752840		-0.39602	-2.70558	0.00751	0.817805
cg06535308	chr11	17497693		0.333216	2.696531	0.007708	0.820908
cg03745383	chr17	31662900		0.369291	2.699897	0.007634	0.819819
cg26661912	chr20	633854		-0.21218	-2.70335	0.007558	0.817959
cg26385779	chr5	1.5E+08		-0.28654	-2.70439	0.007536	0.817805
cg01628140	chr12	1.03E+08		-0.37341	-2.70056	0.007619	0.819544
cg26328924	chr14	1.06E+08		-0.38014	-2.70024	0.007626	0.819819
cg14663965	chr6	1.08E+08		0.36797	2.702827	0.00757	0.818412

cg08893692	chr5	72595741		0.387877	2.706531	0.007489	0.817805
cg02117364	chr2	2.41E+08		-0.32379	-2.69954	0.007642	0.819819
cg08251337	chr16	81040389		-0.16957	-2.69615	0.007717	0.820929
cg27053299	chr13	1.01E+08		0.412667	2.710534	0.007403	0.817125
cg08950287	chr7	99725807		0.225918	2.697756	0.007681	0.820589
cg13919694	chr12	53738960		-0.22535	-2.71362	0.007338	0.81599
cg24610231	chr15	29967620		0.372864	2.698493	0.007665	0.820556
cg21763952	chr12	1.11E+08	IFT81	-0.22074	-2.70163	0.007596	0.819224
cg23636162	chr8	56364289		0.306985	2.704815	0.007527	0.817805
cg03904291	chr11	1.19E+08	USP2	-0.22983	-2.70226	0.007582	0.818796
cg10496511	chr14	81392851		-0.22401	-2.7051	0.00752	0.817805
cg02215815	chr16	28962783		-0.2083	-2.70658	0.007488	0.817805
cg07768372	chr5	14509008		-0.31371	-2.70356	0.007554	0.817959
cg17068700	chr4	1.88E+08		-0.39665	-2.70113	0.007607	0.819533
cg03531247	chr2	50573485		0.418135	2.698989	0.007654	0.820236
cg00756251	chr15	41187367		0.348727	2.703867	0.007547	0.817959
cg24182300	chr7	97736853		0.223473	2.699437	0.007644	0.819819
cg02558623	chr15	53097060		0.243398	2.699413	0.007645	0.819819
cg08082374	chr16	58059152		-0.36511	-2.70326	0.00756	0.817959
cg21534931	chr1	17381980	RSG1;C1orf134;ENSG00000233421	-0.26667	-2.70361	0.007553	0.817959
cg05122794	chr3	14993813	ENSG00000251576	0.333398	2.698376	0.007668	0.820556
cg22152605	chr19	52253373		-0.34386	-2.71397	0.00733	0.815699
cg15553397	chr1	76695186		0.253757	2.702435	0.007578	0.818601
cg24085707	chr17	79615652		0.365598	2.702018	0.007587	0.819132

cg03198116	chr1	55270945		-0.21237	-2.69798	0.007676	0.820589
cg04711162	chr19	30017511		0.298324	2.700715	0.007616	0.819544
cg01311537	chr10	50386709	VSTM4	-0.35702	-2.69614	0.007717	0.820929
cg05940231	chr1	1.2E+08		0.281777	2.701947	0.007589	0.819132
cg13956907	chr15	28051262		0.446563	2.696925	0.0077	0.820908
cg27519236	chr16	57836397		-0.18376	-2.71047	0.007405	0.817125
cg24836281	chr19	41100790		-0.40643	-2.69888	0.007656	0.820236
cg16453474	chr5	40982092	C6	-0.54831	-2.69208	0.007808	0.82254
cg13494587	chr19	34172448		-0.2874	-2.70761	0.007466	0.817804
cg26578923	chr6	42928546		-0.41732	-2.69641	0.007711	0.820908
cg24829483	chr4	15341641	FGFBP1	0.396205	2.702662	0.007573	0.818479
cg25591664	chr5	79551865		-0.27442	-2.69958	0.007641	0.819819
cg03108777	chr6	31169142		-0.26866	-2.69421	0.00776	0.822444
cg10614856	chr19	50025115	FUT2	-0.27423	-2.69374	0.007771	0.822444
cg12395299	chr15	29349218		-0.28893	-2.69652	0.007709	0.820908
cg09233730	chr1	1688446		-0.22906	-2.69786	0.007679	0.820589
cg18669022	chr7	39875276		1.12987	2.690848	0.007835	0.822782
cg05804949	chr7	23719620		-0.26878	-2.7044	0.007536	0.817805
cg05327971	chr14	77278659		0.22368	2.699931	0.007633	0.819819
cg26423041	chr6	4794490		0.299503	2.704909	0.007525	0.817805
cg17261676	chr6	26016808	BTN3A1;BTN3A2	0.435173	2.694501	0.007753	0.822141
cg05140650	chr10	1.12E+08		0.36089	2.69649	0.007709	0.820908
cg12609526	chr1	1.17E+08		-0.39243	-2.70581	0.007505	0.817805
cg20337996	chr12	1.25E+08		-0.6461	-2.69383	0.007768	0.822444
cg21269330	chr6	46702790		-0.40319	-2.69826	0.00767	0.820589

cg24348573	chr10	6020387		-0.49768	-2.69886	0.007657	0.820236
cg02005505	chr19	19005959		0.256547	2.705304	0.007516	0.817805
cg03573068	chr11	20620287		0.399908	2.695292	0.007736	0.821169
cg01811561	chr16	67753396		0.250747	2.707562	0.007467	0.817804
cg00294885	chr2	33815183		0.354545	2.692073	0.007808	0.82254
cg02758674	chr11	33795236		-0.30676	-2.70434	0.007537	0.817805
cg10979436	chr7	27242005		0.258559	2.693511	0.007776	0.822444
cg13160799	chr19	41074150		0.186827	2.695285	0.007736	0.821169
cg11343506	chr11	34535568	ELF5;CD44;ENSG00000251194;LMO2;ENSG00000184566;PAMR1;SLC1A2;CD59	0.63068	2.707271	0.007473	0.817804
cg14958951	chr2	1.78E+08		0.201911	2.704739	0.007528	0.817805
cg18080906	chr10	94832106		0.276529	2.69227	0.007803	0.82254
cg13096436	chr18	21083456		-0.20747	-2.695	0.007742	0.821169
cg09998229	chr19	3606757		0.335988	2.69201	0.007809	0.82254
cg03778895	chr13	50699716		-0.29835	-2.69695	0.007699	0.820908
cg07709065	chr9	1.35E+08		-0.30541	-2.69354	0.007775	0.822444
cg06254123	chr16	15743797		-0.1745	-2.69257	0.007797	0.82254
cg00729039	chr7	1.49E+08		0.325441	2.693063	0.007786	0.82254
cg09189276	chr6	33226718		0.342128	2.709099	0.007434	0.817499
cg19303637	chr13	24153954		-0.19877	-2.71216	0.007369	0.816845
cg01113073	chr6	1.56E+08		-0.33314	-2.69951	0.007642	0.819819
cg03051384	chr15	65197883	ANKDD1A	0.605241	2.688988	0.007877	0.823862

cg09384937	chr12	49359996		-0.29022	-2.70069	0.007617	0.819544
cg09488352	chr6	53950838		-0.46019	-2.69938	0.007645	0.819819
cg12313158	chr6	33989813	HLA-DPB1;HLA-DPA1	-0.36656	-2.69122	0.007827	0.822782
cg02720321	chr10	3373668		0.335459	2.699265	0.007648	0.819897
cg23010048	chr19	52391257		0.456979	2.689498	0.007866	0.823807
cg21885864	chr13	1.01E+08		0.291825	2.696319	0.007713	0.820908
cg14282531	chr9	1.37E+08		-0.34497	-2.69211	0.007807	0.82254
cg20374317	chr12	1.29E+08		0.368778	2.687567	0.00791	0.823862
cg15715094	chr19	19302729		0.266368	2.687384	0.007914	0.823862
cg23651808	chr4	8200974		-0.30677	-2.69976	0.007637	0.819819
cg16194451	chr6	31827554		0.258561	2.698496	0.007665	0.820556
cg14873022	chr4	1.47E+08		0.473692	2.695664	0.007728	0.821169
cg26011199	chr1	25665163		-0.19122	-2.69966	0.007639	0.819819
cg08058434	chr16	85832378		0.403091	2.687547	0.00791	0.823862
cg27024876	chr19	49867109		0.344499	2.690372	0.007846	0.822936
cg08554114	chr14	53163204	GNG2	-0.33942	-2.69664	0.007706	0.820908
cg06883126	chr5	1.4E+08		0.465059	2.688652	0.007885	0.823862
cg02713180	chr10	1.35E+08		-0.22821	-2.69556	0.00773	0.821169
cg03269218	chr10	96990700		0.664901	2.688443	0.00789	0.823862
cg00954105	chr17	63739259		-0.48275	-2.69178	0.007814	0.822782
cg11835695	chr19	1555395		-0.46182	-2.69504	0.007741	0.821169
cg08875869	chr17	70770808	SDK2	0.426802	2.698015	0.007675	0.820589
cg21381065	chr18	49866304		0.346675	2.69395	0.007766	0.822444
cg13481776	chr2	2.33E+08	EFHD1	-0.32456	-2.69206	0.007808	0.82254

cg01254890	chr15	60289239	CCNB2	0.370111	2.691498	0.007821	0.822782
cg12592965	chr5	1.78E+08		-0.20575	-2.68967	0.007862	0.823807
cg09179046	chr16	14164850	ENSG00000262529	0.307286	2.696517	0.007709	0.820908
cg01083050	chr1	18700899		0.339381	2.690079	0.007853	0.823196
cg21243939	chr14	55033137		-0.34226	-2.70126	0.007604	0.819525
cg26365299	chr7	27205381		0.368276	2.688478	0.007889	0.823862
cg12631000	chr1	10729216		0.31133	2.700492	0.007621	0.819544
cg24114014	chr6	28584167	PGBD1;ZSCAN12	0.587668	2.695032	0.007742	0.821169
cg14923435	chr2	1.21E+08		-0.29212	-2.68515	0.007965	0.82432
cg07074390	chr21	40555500		-0.20669	-2.6851	0.007966	0.82432
cg03649125	chr16	4802469		0.339701	2.692647	0.007795	0.82254
cg08962682	chr12	8850939		-0.22952	-2.68775	0.007905	0.823862
cg21727223	chr17	66755770	ENSG00000267731;ABCA8;ABCA10;ABCA6	-0.41207	-2.6926	0.007796	0.82254
cg16612699	chr11	1.24E+08		0.322367	2.690795	0.007837	0.822782
cg17754945	chr1	85514684		-0.44254	-2.6926	0.007796	0.82254
cg09405231	chr16	1614911		-0.27827	-2.69047	0.007844	0.822936
cg16410338	chr15	42783121		0.215834	2.686905	0.007925	0.823862
cg25561409	chr6	28477957		-0.21359	-2.70174	0.007593	0.819224
cg15432180	chr20	35374647		-0.161	-2.68689	0.007925	0.823862
cg05876325	chr8	1.45E+08		-0.24475	-2.69541	0.007733	0.821169
cg08748615	chr1	39957298		0.423557	2.692615	0.007796	0.82254
cg26161849	chr5	1.38E+08	ENSG00000252213	-0.21477	-2.68191	0.008039	0.824604
cg10132704	chr7	1.53E+08		0.360392	2.687654	0.007908	0.823862

cg22433726	chr17	73870495	TRIM47	-0.27984	-2.68828	0.007893	0.823862
cg18432498	chr2	1.76E+08		0.296283	2.695996	0.00772	0.821056
cg21751145	chr2	1.91E+08		0.319329	2.690557	0.007842	0.822936
cg16806041	chr3	59996265		0.426168	2.702778	0.007571	0.818412
cg05925927	chr7	1075592		-0.25607	-2.69312	0.007784	0.82254
cg01305127	chr22	18893367		0.240721	2.688318	0.007892	0.823862
cg20888499	chr2	426252		0.288772	2.70046	0.007622	0.819544
cg23021477	chr19	53700527		-0.23272	-2.68655	0.007933	0.823862
cg16703008	chr2	29828479		-0.45643	-2.68375	0.007997	0.82432
cg13295242	chr17	7239718		-0.40756	-2.68345	0.008004	0.82432
cg02247178	chr13	31506687	TEX26	0.382048	2.684089	0.007989	0.82432
cg02980621	chr8	65280876		0.381705	2.685617	0.007954	0.82432
cg00863353	chr20	9049694		-0.24798	-2.69775	0.007681	0.820589
cg17285663	chr11	43597210		0.35609	2.691677	0.007817	0.822782
cg11926839	chr8	1.43E+08		-0.3913	-2.68942	0.007867	0.823807
cg06881242	chr9	36191535		-0.29506	-2.68609	0.007943	0.823862
cg21194937	chr19	2151584		-0.21941	-2.68459	0.007977	0.82432
cg26114324	chr1	44401857		-0.32351	-2.68823	0.007894	0.823862
cg01630479	chr22	20072709		-0.21677	-2.68791	0.007902	0.823862
cg25389947	chr7	64838786		-0.28055	-2.69234	0.007802	0.82254
cg17718036	chr6	27219983	ZKSCAN8	0.202852	2.690302	0.007848	0.822936
cg17520080	chr1	23495439		-0.35237	-2.68323	0.008009	0.82432
cg15240568	chr11	14996456		0.395799	2.691615	0.007818	0.822782
cg23985374	chr5	1.4E+08		0.484603	2.67951	0.008094	0.825129
cg12456286	chr19	40698192		0.231231	2.695005	0.007742	0.821169

cg09068993	chr10	95462173		-0.42421	-2.68867	0.007884	0.823862
cg16621833	chr6	1.18E+08		0.457237	2.689422	0.007867	0.823807
cg08296969	chr16	69154282		-0.31825	-2.6863	0.007938	0.823862
cg13600652	chr6	32800429		0.345574	2.687499	0.007911	0.823862
cg19524023	chr6	1.71E+08		-0.315	-2.68537	0.00796	0.82432
cg26340149	chr11	69988497		-0.41195	-2.68311	0.008011	0.82432
cg15927465	chr1	1.98E+08		-0.37531	-2.68063	0.008068	0.824933
cg24673765	chr19	36247869	ENSG00000267053;DMKN	0.283957	2.682408	0.008027	0.82432
cg05712126	chr22	29601860		0.181101	2.680493	0.008072	0.824933
cg22442430	chr1	25876626	AIM1L	-0.31717	-2.69712	0.007695	0.820908
cg23357265	chr6	31430770		0.278808	2.69742	0.007689	0.820908
cg24675770	chr2	33622300		-0.30838	-2.69639	0.007711	0.820908
cg08144157	chr16	88937115		0.416789	2.685819	0.007949	0.824295
cg18881094	chr6	30885141		0.404998	2.690022	0.007854	0.823196
cg26671687	chr1	54872113		-0.19493	-2.6885	0.007888	0.823862
cg26819590	chr16	2105207		0.463361	2.696326	0.007713	0.820908
cg00026346	chr15	42267275	STARD9	-0.42515	-2.69088	0.007835	0.822782
cg02277326	chr15	28357447		-0.31437	-2.68554	0.007956	0.82432
cg06538771	chr22	50636937		-0.30118	-2.68282	0.008018	0.82432
cg23235497	chr1	1.11E+08		0.267912	2.687438	0.007912	0.823862
cg18815647	chr13	25744676		0.485892	2.684995	0.007968	0.82432
cg09944020	chr10	76871970		0.194969	2.692677	0.007794	0.82254
cg02717470	chr2	2.42E+08		-0.3717	-2.68378	0.007996	0.82432
cg08144503	chr16	67450471		-0.3462	-2.68054	0.00807	0.824933

cg09948350	chr2	70189092	MXD1;ANXA4	-0.26902	-2.69517	0.007739	0.821169
cg00429767	chr6	31468473		0.400412	2.690897	0.007834	0.822782
cg24145685	chr19	1227852	HMHA1	-0.35477	-2.69092	0.007834	0.822782
cg25035631	chr1	35586358		0.42058	2.683725	0.007997	0.82432
cg04086327	chr7	6200886		-0.32526	-2.69402	0.007764	0.822444
cg01025774	chr5	42944457		0.458458	2.681238	0.008054	0.824933
cg15617336	chr11	67764948		-0.32432	-2.68446	0.00798	0.82432
cg00524694	chr5	1.77E+08		-0.36956	-2.69358	0.007774	0.822444
cg19420102	chr19	458895		-0.43405	-2.6862	0.007941	0.823862
cg17327630	chr7	1.49E+08		-0.27946	-2.6938	0.007769	0.822444
cg04350610	chr10	93683445		0.25961	2.681313	0.008053	0.824933
cg07636338	chr19	46214108		0.248419	2.689198	0.007873	0.823862
cg16866206	chr8	30003656		-0.36033	-2.68669	0.007929	0.823862
cg02348488	chr11	43540266		-0.29558	-2.68442	0.007981	0.82432
cg19230755	chr7	65878503		0.329985	2.696701	0.007705	0.820908
cg08760753	chr22	49069623		-0.2686	-2.68272	0.00802	0.82432
cg15234297	chr19	50143472		-0.27431	-2.68675	0.007928	0.823862
cg06879746	chr6	30883768	HCP5;HLA-B;GPANK1	0.401336	2.68238	0.008028	0.82432
cg05944477	chr2	2.05E+08		0.325856	2.686914	0.007924	0.823862
cg06183577	chr13	76123853		-0.24483	-2.68652	0.007933	0.823862
cg08713367	chr6	37225473		0.187702	2.690468	0.007844	0.822936
cg13545926	chr9	1.32E+08	SET;ENSG00000228395	0.225547	2.686315	0.007938	0.823862
cg02489493	chr16	83842257		0.351982	2.683489	0.008003	0.82432

cg08602346	chr13	1.13E+08	ADPRHL1;TFDP1	0.536155	2.682973	0.008014	0.82432
cg16523839	chr19	10077134		0.361527	2.688339	0.007892	0.823862
cg26293015	chr7	1.28E+08		0.228066	2.682429	0.008027	0.82432
cg25558027	chr17	9930194		-0.30411	-2.67666	0.008161	0.825545
cg01300778	chr16	9184995		0.206271	2.686279	0.007939	0.823862
cg20491914	chr2	26915349		0.279471	2.679283	0.0081	0.825129
cg07668558	chr17	36500547	SYNRG;PLXDC1	-0.41914	-2.68519	0.007964	0.82432
cg02484850	chr22	36783942	RAC2	-0.18973	-2.68752	0.007911	0.823862
cg22656420	chr2	74740238		0.318352	2.67723	0.008147	0.825545
cg19592472	chr20	3052274	RNF24	0.520511	2.686787	0.007927	0.823862
cg16665866	chr16	1222626		-0.434	-2.69362	0.007773	0.822444
cg23968154	chr17	64973939		-0.42358	-2.68268	0.008021	0.82432
cg12646067	chr22	50481514		0.536632	2.681856	0.00804	0.824604
cg08661007	chr3	79817232		0.425898	2.690851	0.007835	0.822782
cg16620390	chr12	1.26E+08		0.282124	2.678613	0.008115	0.825545
cg01581757	chr20	2383390	SIRPA;SIRPG	-0.36758	-2.68645	0.007935	0.823862
cg01707818	chr6	1.23E+08		0.347029	2.697532	0.007686	0.820908
cg19819049	chr12	25540253		0.396579	2.683747	0.007997	0.82432
cg09308803	chr4	1.01E+08		0.260145	2.689101	0.007875	0.823862
cg05214088	chr10	1.35E+08		-0.19736	-2.67952	0.008094	0.825129
cg07602195	chr11	48345361		0.525917	2.682328	0.008029	0.82432
cg21206128	chr5	1190571		0.366626	2.683199	0.008009	0.82432
cg11380830	chr10	96123085		0.539227	2.676798	0.008157	0.825545
cg21651356	chr12	1.05E+08		-0.25372	-2.68483	0.007972	0.82432
cg14542554	chr14	61122327	PRKCH;TMEM30B	0.44802	2.69283	0.007791	0.82254

cg24801587	chr7	1.55E+08		0.326262	2.681272	0.008054	0.824933
cg10885779	chr11	34331908	APIP;ELF5	0.212982	2.676347	0.008168	0.825545
cg22335074	chr11	70733258		0.296943	2.679602	0.008092	0.825129
cg26868156	chr11	1892180	LSP1	0.245541	2.687887	0.007902	0.823862
cg11075415	chr14	1.02E+08		0.288987	2.677082	0.008151	0.825545
cg12793753	chr6	75933274	COL12A1	0.367429	2.691434	0.007822	0.822782
cg15765497	chr8	91863566		-0.32573	-2.67721	0.008148	0.825545
cg11929284	chr19	18731797	IL12RB1;FCHO1;JAK3	-0.42142	-2.6801	0.008081	0.824933
cg09452027	chr11	45825483	CRY2;TSPAN18;MAPK8IP1	0.286622	2.68302	0.008013	0.82432
cg15387943	chr5	68513219		-0.36843	-2.68009	0.008081	0.824933
cg17528580	chr10	69962886	STOX1;PBLD	-0.56278	-2.67516	0.008196	0.825845
cg05654340	chr6	1.11E+08		0.363899	2.677307	0.008146	0.825545
cg14462307	chr5	1.79E+08		-0.35642	-2.67533	0.008192	0.825845
cg20831413	chr11	72460551	PDE2A;P2RY6;ARHGEF17	-0.4081	-2.68122	0.008055	0.824933
cg19041146	chr11	1.18E+08	IL10RA;USP2-AS1;CD3G;DSCAML1;C2CD2L	-0.22533	-2.67271	0.008253	0.82617
cg23958704	chr8	1.04E+08		-0.47074	-2.6773	0.008146	0.825545

cg16779251	chr17	45928077	HOXB4;MIR10A;NPEPPS;HOXB-AS3;CALCOCO2;PRR15L;HOXB-AS2;COPZ2;HOXB6;HOXB3;HOXB1;HOXB5;SKAP1;TBKBP1	-0.28399	-2.67914	0.008103	0.825208
cg03753391	chr17	59478958		0.320662	2.684297	0.007984	0.82432
cg18301410	chr7	1.32E+08		-0.34006	-2.67538	0.008191	0.825845
cg19004883	chr19	14448422	CACNA1A	0.320151	2.680184	0.008079	0.824933
cg05441854	chr16	85650374	FAM92B;C16orf74;FOXL1	0.355279	2.675719	0.008183	0.825845
cg12562461	chr17	62778131		-0.20262	-2.68074	0.008066	0.824933
cg01254991	chr4	8163114		-0.20469	-2.68016	0.008079	0.824933
cg16275172	chr15	52121933		-0.34079	-2.67817	0.008126	0.825545
cg15786827	chr12	1.33E+08		-0.2841	-2.67684	0.008157	0.825545
ch.14.769589F	chr14	60785506	SIX1;SLC38A6;SIX4;GPR135	-0.48718	-2.67857	0.008116	0.825545
cg20627099	chr1	11822296		0.277722	2.678423	0.00812	0.825545
cg08637438	chr17	70113856		0.416684	2.671804	0.008275	0.826605
cg00427604	chr16	55542751		0.288863	2.684358	0.007983	0.82432
cg13561879	chr8	35092687		0.532126	2.675192	0.008195	0.825845
cg18119621	chr11	76709256		0.35168	2.683135	0.008011	0.82432
cg12543836	chr22	39552224	FAM83F;CBX7;NPTXR	-0.25267	-2.67818	0.008125	0.825545
cg13935127	chr1	41128874		-0.29664	-2.68244	0.008027	0.82432

cg03361085	chr11	1324625	LRRC56;MUC5B	0.367114	2.695075	0.007741	0.821169
cg17868287	chr20	36572422		-0.25698	-2.67793	0.008131	0.825545
cg20380649	chr5	10988333		0.343113	2.679447	0.008096	0.825129
cg23528142	chr14	1.01E+08		-0.52839	-2.67677	0.008158	0.825545
cg04934867	chr3	2933549		-0.31889	-2.67102	0.008293	0.826738
cg17119907	chr12	1.18E+08	NOS1	0.594655	2.670133	0.008314	0.827043
cg15016481	chr2	2.39E+08	HES6	0.353252	2.682273	0.008031	0.82432
cg09257332	chr19	36909913	LINC00665;COX7A1	0.430805	2.673629	0.008232	0.825989
cg24323031	chr6	52227260		0.298563	2.670361	0.008309	0.827043
cg16530432	chr13	27744825		-0.3736	-2.68097	0.008061	0.824933
cg24259244	chr13	1.01E+08		0.27373	2.672773	0.008252	0.82617
cg27175294	chr22	42311039		-0.18617	-2.67366	0.008231	0.825989
cg23520119	chr10	1.21E+08		0.331111	2.680126	0.00808	0.824933
cg11572655	chr3	1.26E+08		0.285534	2.674953	0.008201	0.825845
cg19279432	chr11	75110505	ENSG00000179240;ENSG00000255326	-0.17998	-2.67645	0.008166	0.825545
cg02882755	chr6	34100963		-0.29384	-2.68611	0.007943	0.823862
cg15726532	chr17	46184914		-0.19593	-2.67769	0.008137	0.825545
cg04517588	chr14	1.03E+08	TNFAIP2	-0.26885	-2.68231	0.00803	0.82432
cg19331040	chr6	30882208	ZNRD1	0.173485	2.687078	0.007921	0.823862
cg11171429	chr4	1.22E+08		0.308586	2.671842	0.008274	0.826605
cg21092551	chr15	29993498		0.292572	2.679268	0.0081	0.825129
cg05422049	chr2	1595734		0.42837	2.670704	0.008301	0.826851
cg14385961	chr6	42952270		-0.21199	-2.67459	0.008209	0.825845

cg03075050	chr16	46462790		0.249214	2.681821	0.008041	0.824604
cg03831665	chr13	95202629		0.335923	2.677464	0.008142	0.825545
cg19657875	chr5	76382381		0.308402	2.673211	0.008242	0.826058
cg01016102	chr7	33146808		0.360538	2.676779	0.008158	0.825545
cg17856559	chr13	1.1E+08		-0.39367	-2.67418	0.008219	0.825845
cg16065473	chr15	88576884	ISG20	-0.46637	-2.67396	0.008224	0.825989
cg14898151	chr14	68232975		0.278705	2.669275	0.008335	0.827659
cg16760049	chr22	38452866	CDC42EP1;DNAL4	0.403758	2.675491	0.008188	0.825845
cg08826080	chr3	1.23E+08		-0.24708	-2.68479	0.007973	0.82432
cg03366168	chr22	45636900		-0.21235	-2.68092	0.008062	0.824933
cg05679403	chr4	37650328	C4orf19	0.371341	2.683068	0.008012	0.82432
cg14437634	chr14	67879385		-0.37093	-2.67109	0.008292	0.826738
cg11103273	chr5	1.11E+08		-0.36361	-2.68467	0.007976	0.82432
cg09525146	chr8	854719		-0.34436	-2.67257	0.008257	0.826302
cg20480522	chr8	97274997		-0.22592	-2.66897	0.008342	0.827659
cg08161158	chr1	2126151		0.170979	2.679454	0.008096	0.825129
cg12961010	chr12	1.33E+08		-0.28207	-2.67296	0.008248	0.826058
cg16537371	chr11	1.32E+08		-0.38091	-2.68096	0.008061	0.824933
cg12746059	chr4	1.34E+08		0.296012	2.679469	0.008095	0.825129
cg27472102	chr12	77459941		-0.27603	-2.67151	0.008282	0.826738
cg19452276	chr21	43736736		0.283544	2.679259	0.0081	0.825129
cg26142262	chr5	1.32E+08		-0.18942	-2.673	0.008246	0.826058
cg05773207	chr3	1.15E+08		-0.43011	-2.67464	0.008208	0.825845
cg15520443	chr10	1.19E+08		0.432125	2.684402	0.007982	0.82432
cg14002226	chr9	1.39E+08		-0.51369	-2.67194	0.008272	0.826605

cg14848685	chr6	1.39E+08		0.508976	2.675903	0.008178	0.825845
cg01748498	chr7	2290726		-0.29715	-2.6742	0.008218	0.825845
cg04820387	chr20	62887534		-0.35599	-2.6802	0.008078	0.824933
cg01383440	chr13	1.14E+08		-0.31204	-2.68011	0.008081	0.824933
cg02315508	chr14	77787366		-0.16001	-2.68638	0.007936	0.823862
cg24121168	chr3	58652503	C3orf67;ENSG00000242428;DENND6A;ABHD6;RPP14;FLNB	0.26348	2.693345	0.007779	0.82254
cg12823839	chr7	1.55E+08		0.317186	2.667714	0.008372	0.827659
cg24673769	chr3	1.27E+08		-0.31134	-2.67798	0.00813	0.825545
cg19995343	chr15	64443886		-0.19856	-2.67896	0.008107	0.825249
cg17705066	chr19	3587038		0.704335	2.676356	0.008168	0.825545
cg07854547	chr8	50823173		0.431634	2.67364	0.008231	0.825989
cg01403379	chr10	1202350		-0.20768	-2.67628	0.00817	0.825545
cg25609220	chr19	49109961		-0.29808	-2.67209	0.008268	0.826605
cg14605357	chr9	93881805		-0.52669	-2.67103	0.008293	0.826738
cg26468274	chr6	43544000		-0.17563	-2.67421	0.008218	0.825845
cg20116805	chr12	54363054		0.405201	2.670833	0.008298	0.826738
cg04565464	chr8	1.46E+08		-0.24063	-2.669	0.008341	0.827659
cg13607699	chr17	42295918		-0.39375	-2.67562	0.008185	0.825845
cg08695855	chr7	94023743		0.327813	2.673281	0.00824	0.826058
cg16190547	chr2	1.54E+08		0.212503	2.674499	0.008211	0.825845
cg15840256	chr4	54243739	PDGFRA	-0.20288	-2.67827	0.008123	0.825545
cg02885922	chr22	47078434		0.246008	2.682279	0.00803	0.82432

cg13679083	chr5	53240482		-0.26068	-2.67428	0.008216	0.825845
cg16164732	chr22	36851465		0.353566	2.67677	0.008158	0.825545
cg07457626	chr6	1.55E+08		-0.49419	-2.66878	0.008347	0.827659
cg23540704	chr17	43046275		0.241481	2.679021	0.008106	0.825249
cg14517390	chr15	78463330	PEAK1	0.409407	2.666953	0.00839	0.827866
cg02614661	chr16	87878292		0.28273	2.691072	0.00783	0.822782
cg19549898	chr14	68000922	TMEM229B;PIGH	0.532211	2.671408	0.008284	0.826738
cg13758186	chr2	1.02E+08	IL18R1	-0.42098	-2.6706	0.008303	0.826866
cg21834207	chr1	50489827		0.575732	2.67456	0.00821	0.825845
cg26688582	chr7	91477554	AKAP9;FZD1;CDK14	-0.54627	-2.67135	0.008286	0.826738
cg07993003	chr19	55454132		-0.23915	-2.67475	0.008205	0.825845
cg27467249	chr20	43159618		-0.34123	-2.67819	0.008125	0.825545
cg26723054	chr16	85650522	FAM92B;C16orf74;FOXL1	0.459689	2.670884	0.008297	0.826738
cg17765294	chr6	31632889	PPP1R18	-0.25309	-2.67301	0.008246	0.826058
cg08617135	chr6	9516073		-0.36953	-2.66565	0.008421	0.827866
cg26241514	chr10	1.03E+08		-0.26166	-2.66403	0.00846	0.829598
cg10035432	chr14	39644345		-0.27799	-2.67416	0.008219	0.825845
cg21634555	chr3	1.7E+08	ACTRT3	0.36724	2.668826	0.008346	0.827659
cg15321211	chr10	43905515	ZNF33B	0.393652	2.674892	0.008202	0.825845
cg24301681	chr11	1.03E+08		-0.38883	-2.66645	0.008402	0.827866
cg03060214	chr16	89131017		-0.36916	-2.66704	0.008388	0.827866
cg23263641	chr19	44128109		0.372903	2.682512	0.008025	0.82432
cg19269807	chr8	1.41E+08		0.368375	2.674444	0.008213	0.825845
cg20246907	chr13	99316927		-0.28353	-2.68182	0.008041	0.824604

cg11570082	chr7	1.17E+08		-0.31728	-2.66585	0.008417	0.827866
cg21008969	chr12	3680597	CACNA1C;CCND2;TSPAN9;RAD51AP1;C12orf4	-0.38621	-2.67179	0.008275	0.826605
cg13696436	chr10	1.32E+08		0.386852	2.673605	0.008232	0.825989
cg18549688	chr2	2.36E+08		-0.47765	-2.66943	0.008331	0.827659
cg10233904	chr20	61625364		-0.4288	-2.66792	0.008367	0.827659
cg16553589	chr5	1.23E+08		0.646734	2.669153	0.008338	0.827659
cg10872445	chr11	71951279		0.350556	2.665687	0.008421	0.827866
cg22032292	chr6	24876193		0.344635	2.662125	0.008507	0.830948
cg11217273	chr11	1.29E+08		0.192686	2.67351	0.008235	0.82602
cg08504583	chr13	78315584		-0.64015	-2.67537	0.008191	0.825845
cg05469574	chr17	79355928		-0.24206	-2.67487	0.008203	0.825845
cg12909732	chr7	45194529		0.248306	2.669644	0.008326	0.827621
cg21831463	chr7	1.32E+08		-0.58017	-2.6658	0.008418	0.827866
cg03472898	chr14	29240992		-0.35111	-2.66524	0.008431	0.82827
cg14815743	chr19	47354685		0.568369	2.66848	0.008354	0.827659
cg06838365	chr3	9595269	GHRL;OGG1	0.271903	2.67292	0.008248	0.826058
cg07228869	chr7	1.43E+08	FAM115B	-0.23802	-2.66345	0.008474	0.829639
cg08197072	chr16	1316081		-0.2585	-2.66928	0.008335	0.827659
cg13201461	chr1	1.09E+08		0.295029	2.671915	0.008272	0.826605
cg17405840	chr12	24717001		0.51367	2.666373	0.008404	0.827866
cg07634516	chr4	1.88E+08		-0.25182	-2.6734	0.008237	0.826058
cg02097604	chr17	17750910	TBC1D27	-0.25457	-2.66819	0.008361	0.827659
cg01138078	chr7	1220000		-0.29361	-2.67429	0.008216	0.825845

cg06128688	chr12	96883733		0.273283	2.66094	0.008535	0.831582
cg06657944	chr3	1.77E+08		-0.29471	-2.66791	0.008367	0.827659
cg27094244	chr11	61335269		0.351468	2.667817	0.00837	0.827659
cg01222168	chr2	2.43E+08	ENSG00000223991;PPP1R7;ENSG00000233392;PASK;ENSG00000226321;BOK;KIF1A;SNED1;ENSG00000216921	0.503029	2.676799	0.008157	0.825545
cg11171672	chr14	1.04E+08		-0.29496	-2.66687	0.008392	0.827866
cg03975652	chr1	1559155		-0.39867	-2.67029	0.008311	0.827043
cg07204550	chr4	21950155		0.375778	2.665808	0.008418	0.827866
cg09901574	chr16	3197518		-0.32729	-2.67099	0.008294	0.826738
cg14546471	chr5	65892027		0.186103	2.667758	0.008371	0.827659
cg04096519	chr11	60620343		0.317229	2.667939	0.008367	0.827659
cg00554442	chr16	1021074		0.209194	2.669829	0.008322	0.827377
cg07571379	chr11	1.35E+08		0.318918	2.666099	0.008411	0.827866
cg00484358	chr1	1.11E+08	KCNA3;CSF1;AMIGO1;LAMTOR5;ENSG00000259834;GSTM5	0.228104	2.671188	0.008289	0.826738
cg12311094	chr17	72581081		0.290626	2.663017	0.008485	0.830355
cg19354039	chr17	58217571		0.29884	2.662266	0.008503	0.830948
cg04090697	chr10	1.34E+08		-0.24159	-2.66282	0.00849	0.830381
cg10242892	chr3	18486305		0.290348	2.677316	0.008145	0.825545

cg02412399	chr5	88307760		-0.39748	-2.66355	0.008472	0.829639
cg25394042	chr10	1.31E+08		-0.2686	-2.67189	0.008273	0.826605
cg13132404	chr1	38471629		-0.24877	-2.66417	0.008457	0.829587
cg25698935	chr13	1.13E+08		0.554023	2.66483	0.008441	0.829047
cg22633381	chr12	1799875		-0.21188	-2.67385	0.008226	0.825989
cg19006429	chr6	30043325	HLA-F	0.298374	2.665811	0.008418	0.827866
cg17431952	chr5	1.14E+08		-0.47098	-2.66373	0.008468	0.829639
cg16081281	chr8	23559839		0.410224	2.66853	0.008353	0.827659
cg12618270	chr8	8667411		0.424353	2.672198	0.008266	0.826605
cg12301087	chr19	50762584		0.272828	2.662107	0.008507	0.830948
cg15857329	chr8	1.45E+08	MIR4664	-0.34152	-2.65937	0.008574	0.832433
cg10282319	chr8	1.45E+08		-0.29196	-2.66299	0.008486	0.830355
cg26093847	chr6	1.71E+08		0.300693	2.668911	0.008343	0.827659
cg13189718	chr4	24662290		-0.23559	-2.65967	0.008566	0.832235
cg15635728	chr19	56152354	BRSK1	-0.20001	-2.66588	0.008416	0.827866
cg16145113	chr1	1.2E+08		0.271883	2.661911	0.008512	0.830948
cg22944461	chr7	1.28E+08		-0.20945	-2.66186	0.008513	0.830948
cg25855768	chr7	1.27E+08		0.473206	2.658683	0.00859	0.832433
cg09219142	chr13	20767876	SLC35E1P1;IFT88	-0.17208	-2.65821	0.008602	0.832433
cg24824734	chr22	24195377		-0.36102	-2.65965	0.008567	0.832235
cg14583127	chr10	37940493		0.55812	2.660225	0.008553	0.832162
cg00468228	chr8	67092562	CSPP1;PPP1R42;ENSG00000246145	-0.28403	-2.67676	0.008158	0.825545
cg19872537	chr13	96239925		-0.39141	-2.6699	0.00832	0.827377
cg03604838	chr2	1.01E+08		0.319338	2.664183	0.008457	0.829587

cg25876443	chr15	89960104		0.444404	2.667304	0.008382	0.827811
cg21016004	chr12	16759591		-0.27806	-2.66144	0.008523	0.831122
cg26272248	chr8	1.45E+08		0.53055	2.660721	0.008541	0.831582
cg02070873	chr10	45869189		0.256323	2.670154	0.008314	0.827043
cg14548038	chr9	1.4E+08		0.23513	2.663544	0.008472	0.829639
cg23916516	chr1	2.07E+08		0.407095	2.667598	0.008375	0.827659
cg20103104	chr3	97541445		-0.24153	-2.66083	0.008538	0.831582
cg13509322	chr5	72733052		-0.24057	-2.67626	0.00817	0.825545
cg04191306	chr14	1.05E+08	TRMT61A;ENSG00000257556	-0.306	-2.66007	0.008557	0.832235
cg27324426	chr19	58220837	PEG3;ZNF134;ZNF773;ZIK1	0.42708	2.666244	0.008407	0.827866
cg15015913	chr1	17282008		0.303444	2.670534	0.008305	0.826866
cg26645468	chr5	1.34E+08		0.372068	2.667663	0.008373	0.827659
cg23949519	chr6	1.44E+08		-0.36075	-2.66412	0.008458	0.829587
cg09868274	chr12	1.1E+08		0.310636	2.665302	0.00843	0.82827
cg19116747	chr5	1.49E+08	ENSG00000238369	-0.22286	-2.65719	0.008627	0.832433
cg22922010	chr19	40888270		-0.23508	-2.66723	0.008384	0.827811
cg01824933	chr17	75539901		-0.65845	-2.66774	0.008371	0.827659
cg27006914	chr7	5717968	RADIL	0.356503	2.663902	0.008464	0.829639
cg24385666	chr4	2278261		0.23132	2.657707	0.008614	0.832433
cg08845333	chr19	10403403	ICAM1;PDE4A;ZNF561;ENSG00000175898	0.533929	2.654944	0.008682	0.832433
cg15322641	chr3	50712443		-0.31619	-2.65756	0.008618	0.832433
cg08324152	chr19	57172404		0.601975	2.658815	0.008587	0.832433

cg14701682	chr6	52007909		-0.31709	-2.68096	0.008061	0.824933
cg05545172	chr6	32811777		-0.18313	-2.65969	0.008566	0.832235
cg25072733	chr13	37249481		0.334923	2.665452	0.008426	0.828147
cg22106220	chr22	25758637		0.316587	2.666286	0.008406	0.827866
cg03938516	chr1	53731693		0.261543	2.657497	0.008619	0.832433
cg11303561	chr19	1206399		-0.20573	-2.66627	0.008407	0.827866
cg01526177	chr4	9379166		-0.3957	-2.65441	0.008696	0.832433
cg27195676	chr7	1.02E+08	CRYZP1;FAM185A	0.375137	2.65599	0.008657	0.832433
cg20555305	chr8	1.46E+08		-0.39103	-2.66414	0.008458	0.829587
cg17142371	chr1	1.55E+08		-0.20296	-2.6551	0.008678	0.832433
cg13471374	chr9	4804137		0.304171	2.659304	0.008575	0.832433
cg11863380	chr5	95094981	ENSG00000225165;C5orf27	0.39657	2.678583	0.008116	0.825545
cg16321280	chr11	44332972		0.317357	2.653609	0.008715	0.832433
cg14089714	chr13	37004601	NBEA	0.391768	2.658548	0.008594	0.832433
cg03884792	chr12	49372108		0.20929	2.660535	0.008545	0.831616
cg22785672	chr7	44083650		0.369762	2.655089	0.008679	0.832433
cg14461752	chr5	1.43E+08		-0.36633	-2.66063	0.008543	0.831582
cg20020844	chr17	45929963		0.446085	2.65363	0.008715	0.832433
cg19875656	chr3	46759096		0.458216	2.668299	0.008358	0.827659
cg19909787	chr10	1.25E+08		0.373773	2.668073	0.008363	0.827659
cg10579128	chr15	59225866		0.163485	2.658398	0.008597	0.832433
cg04685813	chr8	1.24E+08		-0.32144	-2.65805	0.008606	0.832433
cg21831931	chr3	5137953		0.268263	2.655506	0.008668	0.832433
cg18663499	chr3	1.19E+08		-0.19254	-2.65663	0.008641	0.832433

cg25012219	chr12	56545810	IKZF4	0.287945	2.656118	0.008653	0.832433
cg06874172	chr1	1.57E+08		-0.27909	-2.66725	0.008383	0.827811
cg09117826	chr6	86303884		0.167012	2.65487	0.008684	0.832433
cg08253513	chr12	53715584		-0.20396	-2.66352	0.008473	0.829639
cg15214229	chr20	35275274		-0.33547	-2.65543	0.00867	0.832433
cg13723983	chr9	1.32E+08		0.258596	2.661386	0.008525	0.831122
cg26109843	chr2	1.61E+08	ENSG00000223642	-0.3583	-2.66947	0.00833	0.827659
cg14758757	chr17	79265454	MAFG-AS1;PCYT2;BAIAP2-AS1;RNF213	0.400816	2.666575	0.008399	0.827866
cg22442895	chr6	30069213		-0.45454	-2.658	0.008607	0.832433
cg24809973	chr8	72468820	MSC	0.482153	2.661582	0.00852	0.831122
cg22022957	chr11	2908102		-0.39786	-2.66429	0.008454	0.829587
cg08561856	chr19	44324945	ZNF404	0.482194	2.661866	0.008513	0.830948
cg19372731	chr12	1800405		-0.18832	-2.65996	0.008559	0.832235
cg02522367	chr9	1.4E+08	EGFL7;NPDC1;EXD3;FAM69B;EHMT1	-0.43888	-2.65559	0.008666	0.832433
cg22197934	chr18	14499446		-0.41792	-2.65896	0.008584	0.832433
cg26586003	chr2	64991312		0.292096	2.655917	0.008658	0.832433
ch.8.127920202R	chr8	1.28E+08		-0.41316	-2.66683	0.008393	0.827866
cg22517995	chr19	37096588	ZNF420;ZFP82	0.340357	2.658277	0.0086	0.832433
cg11627823	chr7	1.29E+08	SMO	0.330951	2.660695	0.008541	0.831582
cg04596004	chr13	1.13E+08		0.368313	2.650323	0.008797	0.832713
cg12995941	chr1	1.57E+08		0.33596	2.662479	0.008498	0.830948
cg13873269	chr9	1.15E+08		0.298319	2.655354	0.008672	0.832433

cg06401138	chr20	18487539		0.197545	2.661383	0.008525	0.831122
cg21926138	chr1	1.12E+08		-0.39844	-2.65964	0.008567	0.832235
cg25776555	chr19	52531777		-0.3335	-2.66172	0.008516	0.831082
cg14354418	chr7	29874354		-0.22997	-2.65328	0.008723	0.832433
cg05498007	chr18	44526756		0.565391	2.653459	0.008719	0.832433
cg15572779	chr7	1.51E+08		0.265592	2.654036	0.008705	0.832433
cg02064073	chr3	33155252		-0.19516	-2.65822	0.008602	0.832433
cg17212791	chr22	49483368		-0.52803	-2.65435	0.008697	0.832433
cg02518394	chr17	79905319		-0.30371	-2.65732	0.008624	0.832433
cg07819160	chr22	37420328		0.4096	2.656417	0.008646	0.832433
cg26234876	chr11	66491629	RBM14	-0.24408	-2.65856	0.008593	0.832433
cg27526518	chr12	3709926		-0.31878	-2.65356	0.008717	0.832433
cg11955878	chr4	1.66E+08		0.652734	2.660973	0.008535	0.831582
cg05939149	chr2	43986106		-0.7193	-2.6516	0.008765	0.832433
cg12082048	chr2	5576195		-0.41863	-2.65559	0.008666	0.832433
cg10589353	chr11	1.26E+08		-0.25176	-2.65488	0.008684	0.832433
cg15463907	chr15	89902526		-0.18054	-2.65859	0.008593	0.832433
cg25635251	chr11	2234043		0.847078	2.644904	0.008933	0.832713
cg07303308	chr7	1.29E+08		-0.4069	-2.6524	0.008745	0.832433
cg04703800	chr6	56956578	PRIM2	0.33052	2.653698	0.008713	0.832433
cg16937410	chr3	30442674		0.380196	2.663653	0.00847	0.829639
cg08658665	chr15	99640754		0.313118	2.662844	0.008489	0.830381
cg00699993	chr4	1.58E+08		0.345066	2.654938	0.008682	0.832433
cg26275841	chr14	1.03E+08		-0.34092	-2.65714	0.008628	0.832433
cg11468462	chr12	57610686		-0.15457	-2.65661	0.008641	0.832433

cg19950455	chr21	44495595		0.198412	2.65149	0.008768	0.832433
cg09740133	chr12	12871752		0.373324	2.652954	0.008732	0.832433
cg26465547	chr7	1.53E+08		-0.2738	-2.65274	0.008737	0.832433
cg03107393	chr17	46692553	SP6	0.38449	2.649351	0.008821	0.832713
cg10176514	chr1	7688803		0.210817	2.654833	0.008685	0.832433
cg19545560	chr19	51688987		-0.26501	-2.656	0.008656	0.832433
cg12021882	chr12	1.33E+08		0.268775	2.65754	0.008618	0.832433
cg23156226	chr8	1.03E+08		-0.27882	-2.65557	0.008667	0.832433
cg00731185	chr7	1.55E+08		0.355205	2.655236	0.008675	0.832433
cg11773720	chr18	905180		0.563258	2.652028	0.008755	0.832433
cg05967340	chr16	54146616		-0.26176	-2.656	0.008656	0.832433
cg06566034	chr18	47825363	CCDC11	0.323182	2.653548	0.008717	0.832433
cg22259932	chr22	30162890	SDC4P;SEC14L3	-0.24596	-2.65773	0.008614	0.832433
cg13682864	chr1	2.38E+08		-0.39886	-2.6519	0.008758	0.832433
cg06577930	chr7	25219840		-0.20439	-2.65694	0.008633	0.832433
cg03097336	chr16	84178939		-0.20515	-2.64939	0.008821	0.832713
cg25518968	chr17	48845009	UTP18	-0.47256	-2.64801	0.008855	0.832713
cg12283482	chr4	57254754		0.436598	2.654004	0.008706	0.832433
cg14242460	chr6	5261506		-0.18968	-2.66199	0.00851	0.830948
cg00743540	chr3	57197420		-0.32839	-2.6558	0.008661	0.832433
cg04747863	chr17	18761731	SNORD3A;SNORD3B-1	-0.24935	-2.65185	0.008759	0.832433
cg12713060	chr12	1.15E+08	TBX3;TBX5;TBX5-AS1	0.232093	2.66721	0.008384	0.827811
cg10151741	chr19	5340810		-0.21035	-2.65218	0.008751	0.832433

cg18697996	chr12	1.06E+08	APPL2;TCP11L2;C12orf75	0.382066	2.659836	0.008562	0.832235
cg22050611	chr11	1321954	IGF2;MOB2	0.305219	2.649741	0.008812	0.832713
cg02578327	chr2	668370		-0.28925	-2.6478	0.00886	0.832713
cg09408718	chr6	7911245		-0.31075	-2.64748	0.008868	0.832713
cg21488538	chr2	98964436		0.338338	2.664602	0.008447	0.829394
cg13000496	chr7	50132653		0.405065	2.653698	0.008713	0.832433
cg07176561	chr7	1.58E+08		0.390289	2.646387	0.008896	0.832713
cg07421261	chr8	1.34E+08	SLA	0.329137	2.648182	0.008851	0.832713
cg24801937	chr6	1.31E+08		0.386471	2.649122	0.008827	0.832713
cg02935718	chr16	55718768		-0.29638	-2.65374	0.008712	0.832433
cg10562786	chr11	12187606		0.420498	2.650137	0.008802	0.832713
cg26876114	chr16	2511507		-0.2222	-2.64816	0.008851	0.832713
cg22229142	chr22	37447306	MYH9;IFT27;LGALS1;ANKRD54;CDC42EP1	0.221361	2.653027	0.00873	0.832433
cg08662227	chr15	81411066		0.44767	2.648419	0.008845	0.832713
cg26130726	chr6	84569839		-0.41159	-2.64763	0.008865	0.832713
cg19755833	chr5	1.68E+08		-0.38731	-2.65491	0.008683	0.832433
cg03767300	chr7	67975977		-0.31881	-2.66231	0.008502	0.830948
cg12624721	chr8	1.44E+08		-0.48434	-2.65135	0.008771	0.832433
cg00815230	chr8	1.46E+08	MAPK15	0.236651	2.645642	0.008915	0.832713
cg01473415	chr12	1.04E+08		0.239512	2.667856	0.008369	0.827659
cg21373996	chr10	560669	ADARB2	0.518701	2.650733	0.008787	0.832713
cg09327253	chr7	31147318		-0.32246	-2.65291	0.008733	0.832433
cg08138817	chr16	49902342		0.309274	2.650705	0.008788	0.832713

cg17014009	chr2	1.53E+08		-0.26879	-2.65419	0.008701	0.832433
cg25017777	chr1	9298817	SLC2A5;ENSG00000234546	0.323697	2.653096	0.008728	0.832433
cg10623043	chr11	67211318	ENSG00000251637	-0.29604	-2.65444	0.008695	0.832433
cg10320759	chr12	1.13E+08		-0.22486	-2.65027	0.008798	0.832713
cg25146042	chr1	33236105	FNDC5;SYNC	0.247503	2.655642	0.008665	0.832433
cg00322261	chr11	82115128		-0.46083	-2.67127	0.008288	0.826738
cg00625443	chr15	80997087		0.283551	2.653443	0.008719	0.832433
cg17217677	chr16	68483194	DUS2	0.316053	2.646589	0.008891	0.832713
cg15425811	chr22	31318181		0.611835	2.654417	0.008695	0.832433
cg24547359	chr1	53975500	SSBP3	-0.29732	-2.65708	0.00863	0.832433
cg12340166	chr8	1340723		-0.31997	-2.65305	0.008729	0.832433
cg25781711	chr6	1.67E+08		0.206115	2.648016	0.008855	0.832713
cg15300856	chr21	44497019		-0.4662	-2.65054	0.008792	0.832713
cg02366798	chr7	27237154		0.373838	2.6523	0.008748	0.832433
cg12688597	chr15	20487872		-0.2645	-2.65109	0.008778	0.832713
cg02793099	chr19	57350004	ZNF471;ZIK1;PEG3;ZNF667-AS1;ZNF671;ZNF549	0.233645	2.648328	0.008847	0.832713
cg04748972	chr4	1.85E+08		-0.317	-2.64421	0.008951	0.832713
cg18031221	chr5	87441287		0.362845	2.65134	0.008772	0.832433
cg25283626	chr12	1.26E+08		0.438664	2.647233	0.008875	0.832713
cg01263716	chr11	2951590		-0.17365	-2.64915	0.008826	0.832713
cg12007372	chr19	22020888	ZNF493	-0.32787	-2.65677	0.008637	0.832433
cg02631917	chr10	93669852		-0.44773	-2.64602	0.008905	0.832713

cg01101522	chr5	1037853	PLEKHG4B;TRIP13	-0.21958	-2.65081	0.008785	0.832713
cg01857186	chr11	1.24E+08		-0.3189	-2.65349	0.008718	0.832433
cg15107871	chr6	761581		-0.39054	-2.64684	0.008885	0.832713
cg10141319	chr6	27356319		-0.3284	-2.64957	0.008816	0.832713
cg23725924	chr10	7763777		-0.39642	-2.65208	0.008753	0.832433
cg27005181	chr13	20208413		-0.29283	-2.64736	0.008871	0.832713
cg21964999	chr12	1.31E+08		-0.2187	-2.64546	0.008919	0.832713
cg09672082	chr5	271577		0.168194	2.645811	0.008911	0.832713
cg26315493	chr9	35071724		-0.2919	-2.6425	0.008995	0.832713
cg05789881	chr3	25467534	THRB-IT1	-0.39655	-2.6518	0.00876	0.832433
cg00051818	chr7	66367658		0.288366	2.644747	0.008937	0.832713
cg14644025	chr17	62502565		-0.24295	-2.65407	0.008704	0.832433
cg21459340	chr20	2781324		-0.21522	-2.65011	0.008802	0.832713
cg04623955	chr14	1.02E+08		0.299659	2.643503	0.008969	0.832713
cg21221377	chr20	62574092	ZBTB46;SOX18	-0.24569	-2.65281	0.008735	0.832433
cg16830870	chr12	95397608		0.432829	2.644467	0.008945	0.832713
cg09131032	chr2	2.39E+08		-0.189	-2.64435	0.008948	0.832713
cg25401027	chr5	1.76E+08		0.415571	2.647859	0.008859	0.832713
cg09458956	chr2	1.67E+08		0.558397	2.645426	0.00892	0.832713
cg14900295	chr10	1.35E+08	FUOM	0.230981	2.648417	0.008845	0.832713
cg04728402	chr11	62104662		0.373896	2.648379	0.008846	0.832713
cg09611685	chr5	1.23E+08		-0.3985	-2.65823	0.008601	0.832433
cg16204524	chr2	26565759		-0.50212	-2.64629	0.008899	0.832713
cg15908308	chr4	43459582		-0.40906	-2.64491	0.008933	0.832713
cg02991238	chr20	62734259		0.251378	2.649076	0.008828	0.832713

cg07834321	chr7	159531		0.258953	2.65219	0.008751	0.832433
cg21211866	chr9	35111727	CCL19;DNAI1	-0.21132	-2.64504	0.00893	0.832713
cg20680664	chr1	59282191		0.180305	2.644526	0.008943	0.832713
cg05292150	chr2	75787340		-0.32559	-2.64915	0.008826	0.832713
cg06219995	chr1	16374768		-0.14922	-2.64392	0.008958	0.832713
ch.11.340609R	chr11	12831013		0.407578	2.647339	0.008872	0.832713
cg18513023	chr6	44009266	TMEM63B	-0.37915	-2.65151	0.008767	0.832433
cg23324787	chr11	36619694		-0.40079	-2.65045	0.008794	0.832713
cg21619814	chr5	1.4E+08		0.544082	2.644734	0.008938	0.832713
cg12820681	chr7	1.55E+08		0.426933	2.642108	0.009005	0.832713
cg13150765	chr14	73336176		-0.29445	-2.64257	0.008993	0.832713
cg11250576	chr5	1.32E+08		0.269409	2.646196	0.008901	0.832713
cg27253469	chr10	1.35E+08		-0.33964	-2.65187	0.008759	0.832433
cg26298099	chr14	76837758		-0.1984	-2.64422	0.008951	0.832713
cg00652908	chr16	46878164		0.358487	2.647691	0.008863	0.832713
cg00292986	chr2	1.03E+08		-0.29103	-2.64552	0.008918	0.832713
cg26339504	chr10	1.19E+08		0.322846	2.650849	0.008784	0.832713
cg10100318	chr2	3504532		0.375532	2.651671	0.008764	0.832433
cg19463471	chr19	10197190		-0.4585	-2.65157	0.008766	0.832433
cg04006323	chr4	1.86E+08	UFSP2	-0.3147	-2.65023	0.008799	0.832713
cg14076417	chr5	43412601	C5orf34	-0.42322	-2.6555	0.008669	0.832433
cg22318010	chr13	96743652		0.290747	2.648254	0.008849	0.832713
cg06253352	chr12	1.12E+08	ENSG00000238168	-0.25887	-2.65183	0.008759	0.832433
cg15316750	chr2	6636069		0.470734	2.644261	0.00895	0.832713
cg01851450	chr6	1.47E+08	ADGB	0.32955	2.656411	0.008646	0.832433

cg08639586	chr19	34111483		-0.33215	-2.64295	0.008983	0.832713
cg24160371	chr5	1.07E+08		-0.45551	-2.64508	0.008929	0.832713
cg04618230	chr4	54677002		-0.32595	-2.64896	0.008831	0.832713
cg06551025	chr12	92540043		0.291898	2.639188	0.009079	0.832713
cg11640046	chr10	1.21E+08		0.368951	2.640085	0.009056	0.832713
cg07861790	chr13	1.13E+08		0.375926	2.645014	0.008931	0.832713
cg18480168	chr10	1.21E+08		0.290962	2.653657	0.008714	0.832433
cg02193283	chr16	89164953	GAS8;SPATA33;ENSG00000260259;GALNS;C16orf3	0.321059	2.666086	0.008411	0.827866
cg01960043	chr14	64058994		-0.25243	-2.6503	0.008798	0.832713
cg01145653	chr3	1.26E+08	ENSG00000241288	-0.39417	-2.63837	0.0091	0.832713
cg14522302	chr1	2.26E+08		-0.19374	-2.64478	0.008937	0.832713
cg27388911	chr3	24537277		0.311995	2.64526	0.008924	0.832713
cg10815400	chr1	65210420		-0.1964	-2.64487	0.008934	0.832713
cg17534216	chr8	37799139		-0.19024	-2.65733	0.008624	0.832433
cg27629124	chr12	8995591		0.293972	2.646881	0.008884	0.832713
cg26977086	chr12	1.32E+08		0.26923	2.660757	0.00854	0.831582
cg14641400	chr17	46813828	SP6	0.339788	2.645044	0.00893	0.832713
cg02115960	chr5	95769079		0.324821	2.645143	0.008927	0.832713
cg06028808	chr11	68637592	ENSG00000250508;MRPL21;IGHMBP2	0.573658	2.638912	0.009086	0.832713
cg16245698	chr18	43355989		0.415136	2.641749	0.009014	0.832713
cg19095600	chr5	1.55E+08		0.360553	2.638787	0.00909	0.832713
cg19452802	chr6	46459961		0.344537	2.644576	0.008942	0.832713

cg17473656	chr4	1.9E+08		-0.32716	-2.63774	0.009117	0.832713
cg16586152	chr7	1.06E+08		0.170194	2.65023	0.008799	0.832713
cg03928539	chr17	21279613		-0.31015	-2.64896	0.008831	0.832713
cg27234090	chr11	1.19E+08	KMT2A;PHLDB1;UBE4A;ATP5L	0.346256	2.652663	0.008739	0.832433
cg09994368	chr11	9589403	RPL27A	-0.27451	-2.64098	0.009033	0.832713
cg21628619	chr6	1.05E+08		-0.41268	-2.64415	0.008953	0.832713
cg20473420	chr12	67782441		-0.46841	-2.64448	0.008944	0.832713
cg13619772	chr1	1.78E+08		-0.24294	-2.63687	0.009139	0.832713
cg07395788	chr6	1.08E+08		0.32995	2.644533	0.008943	0.832713
cg20457891	chr7	2297053		-0.3349	-2.64002	0.009058	0.832713
cg18631798	chr4	8396163		-0.3736	-2.63973	0.009065	0.832713
cg13443417	chr9	1.17E+08		-0.31322	-2.64594	0.008907	0.832713
cg17354807	chr6	44280781		-0.22543	-2.6394	0.009074	0.832713
cg11995374	chr7	1663600		-0.33956	-2.63953	0.009071	0.832713
cg16689594	chr11	1226924	LRRC56;MUC5B;DEAF1;IFITM1;B4GALNT4;TSPAN4	0.308311	2.647872	0.008859	0.832713
cg13495918	chr1	1.62E+08		-0.40103	-2.64564	0.008915	0.832713
cg09373298	chr3	1.27E+08		-0.23774	-2.63395	0.009215	0.832713

cg10414208	chr17	74669923	RNF157-AS1;FOXJ1;SEC14L1;ST6GALNAC2;ITGB4;UBALD2;RHBDF2;SPHK1;TRIM65;WBP2;RNF157;TRIM47;LINC00338;PRPSAP1;EVPL;SAP30BP;FBF1	0.316207	2.654771	0.008687	0.832433
cg20712980	chr7	1.29E+08	ENSG00000271553	0.306572	2.646575	0.008891	0.832713
cg13977320	chr9	1.17E+08		-0.26322	-2.64119	0.009028	0.832713
cg11180667	chr10	1.01E+08	ENTPD7;HPSE2	-0.36274	-2.64203	0.009007	0.832713
cg02885519	chr10	1.35E+08		-0.42539	-2.63759	0.009121	0.832713
cg02339122	chr17	54245140		-0.35428	-2.64109	0.009031	0.832713
cg25312763	chr12	49182908		0.32894	2.638667	0.009093	0.832713
cg00992586	chr3	8000912		-0.25564	-2.6421	0.009005	0.832713
cg17415371	chr20	23338762		-0.17578	-2.6474	0.00887	0.832713
cg26369178	chr2	11627270		0.381876	2.642129	0.009004	0.832713
cg27298551	chr12	53468855		-0.28184	-2.63711	0.009133	0.832713
cg16873290	chr10	75683563		-0.27116	-2.64019	0.009054	0.832713
cg11736940	chr1	1.55E+08		0.278142	2.643043	0.008981	0.832713
cg09437523	chr16	85247785		0.801766	2.644714	0.008938	0.832713
cg23030863	chr11	1.34E+08		0.577298	2.638099	0.009107	0.832713
cg23346408	chr10	81001957	PPIF;ENSG00000235426	-0.37552	-2.63843	0.009099	0.832713
cg01350686	chr1	24439075		0.252632	2.643574	0.008967	0.832713

cg10378795	chr6	1.58E+08		0.443634	2.649669	0.008813	0.832713
cg20416031	chr10	52834189		0.259012	2.643481	0.00897	0.832713
cg17603184	chr22	38669222		-0.21693	-2.64714	0.008877	0.832713
cg03720195	chr16	87119252	FENDRR;FOXF1;FOXL1;MTHFSD	-0.34676	-2.63576	0.009168	0.832713
cg10067062	chr21	44086302		-0.23487	-2.64166	0.009016	0.832713
cg07273222	chr16	55794031	MMP2;CES1P1;CRNDE	0.447516	2.639361	0.009075	0.832713
cg07509992	chr4	3742224		0.437617	2.634978	0.009188	0.832713
cg04840652	chr12	685539		-0.28044	-2.64817	0.008851	0.832713
cg08089693	chr6	39098871		0.480915	2.636423	0.009151	0.832713
cg16583552	chr5	1.41E+08		0.54349	2.640663	0.009042	0.832713
cg08847944	chr7	1740190		-0.35209	-2.6456	0.008916	0.832713
cg00278494	chr4	8639337		-0.25128	-2.63583	0.009166	0.832713
cg12554634	chr19	50159969		-0.3056	-2.64715	0.008877	0.832713
cg13496511	chr12	12022684		-0.34063	-2.647	0.00888	0.832713
cg24822552	chr7	89870607		-0.43975	-2.6393	0.009076	0.832713
cg11094040	chr10	1.29E+08		-0.43129	-2.6389	0.009087	0.832713
cg14324338	chr9	1.31E+08		-0.18833	-2.64143	0.009022	0.832713
cg02213475	chr14	75536010	ENSG00000259103	-0.23529	-2.65339	0.008721	0.832433
cg03054141	chr12	8234711	SLC2A3	-0.29908	-2.64271	0.008989	0.832713
cg03303025	chr16	85833081		-0.17871	-2.6545	0.008693	0.832433
cg09169779	chr13	20751710		0.462868	2.634527	0.0092	0.832713
cg09756014	chr16	89152366		-0.36662	-2.63584	0.009166	0.832713
cg12882804	chr14	1.06E+08		-0.2833	-2.64391	0.008959	0.832713

cg27636310	chr1	46632696		0.270543	2.646413	0.008895	0.832713
cg23393242	chr7	1.57E+08		0.294371	2.648739	0.008837	0.832713
cg26012103	chr16	11349372		-0.23378	-2.63472	0.009195	0.832713
cg14049535	chr12	28343906		-0.3237	-2.64275	0.008988	0.832713
cg00830401	chr7	1.52E+08		-0.31085	-2.63578	0.009167	0.832713
cg09559021	chr1	34630518		0.36211	2.631815	0.009271	0.832713
cg25671164	chr10	60029361		-0.28975	-2.64052	0.009045	0.832713
cg00872676	chr7	1.28E+08		0.241419	2.635138	0.009184	0.832713
cg01607625	chr6	32847830	BAK1;SYNGAP1	0.607203	2.630922	0.009294	0.832713
cg00975418	chr9	1.3E+08		-0.44741	-2.63694	0.009137	0.832713
cg25258812	chr8	42195612		0.226743	2.639302	0.009076	0.832713
cg25129985	chr3	70008521		-0.2884	-2.64442	0.008946	0.832713
cg07753755	chr3	1.82E+08		-0.42548	-2.63924	0.009078	0.832713
cg14149552	chr9	80642464		-0.49618	-2.63923	0.009078	0.832713
cg11703179	chr2	1.43E+08		-0.29917	-2.64012	0.009055	0.832713
cg09478591	chr6	42989096		-0.22474	-2.63674	0.009143	0.832713
cg00916439	chr6	31509424	HLA-DRA	-0.40839	-2.63116	0.009288	0.832713
cg12323347	chr10	1.12E+08		-0.30154	-2.64203	0.009007	0.832713
cg16890298	chr7	99130257		-0.32071	-2.63473	0.009195	0.832713
cg21253087	chr9	1.39E+08		0.39585	2.633319	0.009231	0.832713
cg05472468	chr8	72917350		-0.25381	-2.63584	0.009166	0.832713
cg24435348	chr4	1865267	SLBP	0.223173	2.64075	0.009039	0.832713
cg14218037	chr3	1.56E+08		-0.38501	-2.63988	0.009062	0.832713
cg16338012	chr6	1.11E+08		-0.35768	-2.63839	0.0091	0.832713
cg21385822	chr15	75661000		0.208203	2.630694	0.0093	0.832842

cg04607867	chr19	55823827		-0.28826	-2.63911	0.009081	0.832713
cg25131620	chr3	42976956	HHATL-AS1;ZBTB47;ULK4;FAM198A	-0.36378	-2.62971	0.009326	0.832946
cg03238691	chr15	74597579	ISLR2	-0.29632	-2.64034	0.00905	0.832713
cg03702477	chr5	1.52E+08		-0.47812	-2.63899	0.009085	0.832713
cg03283235	chr12	1.3E+08	STX2;RIMBP2	-0.35501	-2.63418	0.009209	0.832713
cg02384543	chr19	58879857		0.665117	2.632788	0.009245	0.832713
cg07119855	chr12	70637224		0.197723	2.643433	0.008971	0.832713
cg17040471	chr21	19618088		0.443119	2.647978	0.008856	0.832713
cg11696028	chr8	11324448		-0.27597	-2.63594	0.009163	0.832713
cg14786398	chr19	57831816		-0.1661	-2.63874	0.009091	0.832713
cg23054584	chr19	36822311		0.355357	2.632069	0.009264	0.832713
cg01287936	chr15	65197900	ANKDD1A	0.729018	2.626672	0.009406	0.833622
cg03787486	chr4	1E+08		-0.26885	-2.63861	0.009094	0.832713
cg14420000	chr13	54861089		-0.33692	-2.63027	0.009311	0.832906
cg03252340	chr4	83293766		-0.3774	-2.64033	0.00905	0.832713
cg25045785	chr10	1.22E+08		0.330553	2.643343	0.008973	0.832713
cg24726783	chr10	29759454		0.660024	2.629055	0.009343	0.833622
cg25618424	chr1	2989307	ENSG00000272235;PRDM16	0.275027	2.6337	0.009222	0.832713
cg20100022	chr19	52800241	ZNF649;ZNF808;FPR3	0.177616	2.638428	0.009099	0.832713
cg01401534	chr6	4079342		0.31717	2.636068	0.00916	0.832713
cg27365978	chr10	1.06E+08		0.293275	2.633149	0.009236	0.832713
cg06974483	chr4	1.24E+08		0.295538	2.637035	0.009135	0.832713

cg01197891	chr4	57843787		-0.1673	-2.64134	0.009024	0.832713
cg09544892	chr17	79387725		-0.3009	-2.64127	0.009026	0.832713
cg01473816	chr11	34535281	CD59;CD44;LMO2;ENSG00000184566;ENSG00000251194;ELF5;CAT;ABTB2;PAMR1	0.491673	2.641187	0.009028	0.832713
cg05201145	chr12	259373		0.334274	2.637802	0.009115	0.832713
cg17545146	chr20	62289982		0.209004	2.634858	0.009191	0.832713
cg02259698	chr2	10953349	C2orf50	-0.26204	-2.63289	0.009243	0.832713
cg07581922	chr16	3086538		-0.21098	-2.63506	0.009186	0.832713
cg06807030	chr12	1974814		0.397618	2.63762	0.00912	0.832713
cg12564349	chr6	14917221		-0.27768	-2.63151	0.009279	0.832713
cg22322834	chr12	50135138		-0.30581	-2.62985	0.009322	0.832906
cg25678929	chr17	1613581		-0.20131	-2.63657	0.009147	0.832713
cg18530766	chr14	96968737		-0.17295	-2.63941	0.009074	0.832713
cg10670310	chr12	1.13E+08		-0.24486	-2.6354	0.009177	0.832713
cg08437578	chr6	30313476		0.430034	2.632589	0.009251	0.832713
cg16865618	chr4	27123753		-0.30553	-2.63286	0.009243	0.832713
cg16126079	chr11	6518322		0.435804	2.633465	0.009228	0.832713
cg27312626	chr21	39627877		0.539836	2.63642	0.009151	0.832713
cg03135964	chr12	1.33E+08		-0.447	-2.6325	0.009253	0.832713
cg17796198	chr1	27228191		-0.33376	-2.63167	0.009274	0.832713
cg19721326	chr10	72610252		0.436902	2.632977	0.00924	0.832713
cg23548627	chr12	1.15E+08	TBX3	0.301457	2.635439	0.009176	0.832713

cg17464383	chr5	1.22E+08		-0.19207	-2.63455	0.009199	0.832713
cg20702419	chr5	1.51E+08		0.417504	2.629687	0.009327	0.832946
cg09640202	chr2	1.31E+08		0.318434	2.631884	0.009269	0.832713
cg00967901	chr10	92617915		-0.24014	-2.63603	0.009161	0.832713
cg21167493	chr5	10568922		-0.35008	-2.6317	0.009274	0.832713
cg15700739	chr12	54427700		0.290693	2.635942	0.009163	0.832713
cg26122626	chr6	1E+08		0.373745	2.635304	0.00918	0.832713
cg03481445	chr16	25119417		0.300111	2.632743	0.009246	0.832713
cg19716887	chr13	46785897		0.232749	2.632185	0.009261	0.832713
cg21451998	chr1	1.1E+08		0.353529	2.642764	0.008988	0.832713
cg00319334	chr11	2397523		-0.30604	-2.63467	0.009196	0.832713
cg05110071	chr15	42841310		-0.30318	-2.63264	0.009249	0.832713
cg25976440	chr4	69239481		0.444292	2.636927	0.009138	0.832713
cg24412006	chr12	1.1E+08		-0.33453	-2.63402	0.009213	0.832713
cg02987388	chr1	46089045		0.429776	2.628921	0.009347	0.833622
cg17719543	chr1	17594040	PADI2	-0.20573	-2.63551	0.009174	0.832713
cg01844642	chr3	51989764		0.199519	2.633502	0.009227	0.832713
cg14698154	chr5	96747223		-0.41752	-2.63995	0.00906	0.832713
cg10403161	chr10	93805870		0.317387	2.632748	0.009246	0.832713
cg03925361	chr11	1.32E+08		-0.27147	-2.63914	0.009081	0.832713
cg20513721	chr9	99417733		-0.2825	-2.63484	0.009192	0.832713
cg05909475	chr1	1.57E+08		-0.25793	-2.64076	0.009039	0.832713
cg05754819	chr10	79397944		-0.37054	-2.62834	0.009362	0.833622
cg22883472	chr8	25868045		0.3822	2.628574	0.009356	0.833622
cg19940225	chr8	1.45E+08	TSTA3;GPIHBP1	0.414555	2.624566	0.009462	0.834762

cg18456349	chr5	271681		0.145559	2.634555	0.009199	0.832713
cg24791862	chr7	1.27E+08		-0.26241	-2.6331	0.009237	0.832713
cg10556682	chr19	19007505		-0.33268	-2.62581	0.009429	0.834572
cg27234747	chr2	1.21E+08		-0.33945	-2.64382	0.008961	0.832713
cg07751770	chr16	1251787		-0.32984	-2.63271	0.009247	0.832713
cg23450509	chr3	1.32E+08		0.453105	2.631109	0.009289	0.832713
cg23742217	chr18	21853511		0.421696	2.628402	0.009361	0.833622
cg11134052	chr14	61119625	PRKCH	0.557366	2.630897	0.009295	0.832713
cg10836392	chr22	44258132	PARVG	0.630913	2.626969	0.009399	0.833622
cg14981432	chr11	61555930		0.338928	2.627849	0.009375	0.833622
cg07777909	chr8	21909645	NPM2;DOK2;CCAR2	-0.46112	-2.63462	0.009198	0.832713
cg20168761	chr10	1.35E+08		-0.25615	-2.63459	0.009198	0.832713
cg08704154	chr17	13297839		0.638335	2.631838	0.00927	0.832713
cg15540820	chr3	27765283		0.331472	2.637062	0.009134	0.832713
cg10858196	chr11	1.19E+08		0.297999	2.630192	0.009313	0.832906
cg03048225	chr16	68767789	TSNAXIP1;SMPD3;TANGO6;SNTB2;RANBP10;ZFP90;HAS3;NQO1;CDH3;SLC12A4	0.470719	2.652358	0.008746	0.832433
cg04645070	chr11	34393106	CAPRIN1	-0.35113	-2.63327	0.009233	0.832713
cg21750608	chr13	33156685		0.291736	2.63444	0.009202	0.832713
cg25904372	chr11	70628970		0.324585	2.63499	0.009188	0.832713
cg19681793	chr6	1.7E+08	THBS2;SMOC2	0.305672	2.640214	0.009053	0.832713
cg05624510	chr15	41245527		0.181405	2.636111	0.009159	0.832713

cg00211110	chr12	51157716		-0.16812	-2.63539	0.009178	0.832713
cg18104870	chr5	1.77E+08	FGFR4	-0.30327	-2.62853	0.009357	0.833622
cg20132830	chr17	27055188	SDF2;RPS7P1	-0.2802	-2.62251	0.009517	0.835508
cg13824097	chr11	1827023	KCNQ1OT1	0.240523	2.637996	0.00911	0.832713
cg23227674	chr11	85438818	DLG2	-0.32084	-2.6294	0.009334	0.833274
cg23105338	chr8	1.43E+08		-0.23732	-2.62565	0.009434	0.834578
cg21128460	chr13	26795944		-0.3107	-2.62672	0.009405	0.833622
cg04923496	chr10	18940728		-0.22251	-2.63005	0.009317	0.832906
cg18225582	chr14	65171304		-0.27653	-2.63808	0.009108	0.832713
cg08215169	chr13	1.12E+08		-0.37008	-2.62992	0.00932	0.832906
cg23060872	chr2	71205685		0.239728	2.630143	0.009315	0.832906
cg09313089	chr17	16252642		-0.29547	-2.63062	0.009302	0.832842
cg04780393	chr17	41463580		-0.23677	-2.63193	0.009268	0.832713
cg05352321	chr10	1.05E+08		-0.25233	-2.62706	0.009396	0.833622
cg08798244	chr10	1.01E+08		0.333388	2.631173	0.009288	0.832713
cg08131100	chr7	1.49E+08	ACTR3C	0.334757	2.630956	0.009293	0.832713
cg15549075	chr2	46098874		-0.23366	-2.63588	0.009165	0.832713
cg21679294	chr11	1.02E+08		0.206804	2.627231	0.009392	0.833622
cg11691383	chr15	26121310		-0.37601	-2.63673	0.009143	0.832713
cg15485496	chr19	51775111		-0.28221	-2.62358	0.009489	0.834762
ch.12.2130406F	chr12	1.08E+08		0.372605	2.623699	0.009486	0.834762
cg24240626	chr2	79386720		-0.44554	-2.6276	0.009382	0.833622
cg09600829	chr9	96216052		-0.22785	-2.63564	0.009171	0.832713
cg19183743	chr7	27188020	SNX10	0.252089	2.62785	0.009375	0.833622
cg12791555	chr15	75118714		0.375409	2.626766	0.009404	0.833622

cg22682724	chr1	5922731		0.260294	2.634666	0.009196	0.832713
cg26363065	chr4	6643156		-0.1888	-2.63119	0.009287	0.832713
cg24585000	chr1	6117011	THAP3	-0.25608	-2.62699	0.009398	0.833622
cg20256820	chr3	1.38E+08		-0.33403	-2.62634	0.009415	0.833875
cg07834510	chr2	99004292		-0.31613	-2.62712	0.009394	0.833622
cg00017546	chr1	28659475	SNHG3	-0.33043	-2.62711	0.009395	0.833622
cg12166222	chr17	77785792		-0.32917	-2.63266	0.009249	0.832713
cg24885650	chr10	11069298		-0.32566	-2.62823	0.009365	0.833622
cg08043042	chr22	29601772		0.224934	2.63311	0.009237	0.832713
cg19783150	chr12	22491533		0.345111	2.632254	0.009259	0.832713
cg15491432	chr4	26585218		0.412091	2.635553	0.009173	0.832713
cg13016851	chr7	56295392	CHCHD2	-0.42152	-2.63399	0.009214	0.832713
cg24129977	chr2	1748872		0.289421	2.626967	0.009399	0.833622
cg00592058	chr6	40996075	USP49	-0.19204	-2.63606	0.00916	0.832713
cg25201511	chr5	2757137	MRPL36	0.564477	2.630316	0.00931	0.832906
cg03921753	chr16	28074670		0.309762	2.630173	0.009314	0.832906
cg06138568	chr12	6981798		-0.18996	-2.62416	0.009473	0.834762
cg25476221	chr12	1.12E+08		-0.1651	-2.63327	0.009233	0.832713
cg12756686	chr19	29218302		-1.14553	-2.61912	0.009609	0.836078
cg09799039	chr2	2.4E+08		-0.63055	-2.62804	0.00937	0.833622
cg07977933	chr10	93300762		-0.43095	-2.62505	0.00945	0.834762
cg21075829	chr3	1.38E+08		0.200878	2.633005	0.00924	0.832713
cg01957629	chr11	63613490		0.2467	2.624425	0.009466	0.834762
cg02719752	chr3	62861245		0.348617	2.62317	0.0095	0.834762
cg18683132	chr17	41466563		-0.33188	-2.62129	0.00955	0.835515

cg23481243	chr6	30112493		0.380652	2.625542	0.009436	0.834578
cg24815842	chr10	87839368	MMRN2	-0.35091	-2.62995	0.00932	0.832906
cg21847405	chr1	2.03E+08		-0.25589	-2.63169	0.009274	0.832713
cg21325040	chr11	1.14E+08		0.387179	2.62727	0.009391	0.833622
cg12670347	chr12	1.15E+08		0.357697	2.626931	0.0094	0.833622
cg16088277	chr10	7708986		-0.20308	-2.62014	0.009581	0.835974
cg03718883	chr11	2098414	NAP1L4	-0.40389	-2.63649	0.009149	0.832713
cg12586594	chr19	54372709		-0.1955	-2.62865	0.009354	0.833622
cg11271129	chr2	23865593		-0.29076	-2.62852	0.009358	0.833622
cg01926066	chr11	22647397		-0.21454	-2.62404	0.009476	0.834762
cg23237339	chr1	1.71E+08		-0.27294	-2.6344	0.009203	0.832713
cg22442841	chr6	87646804	ENSG00000218793;ENSG00000216324	0.376665	2.626726	0.009405	0.833622
cg01213231	chr12	54806218	ITGA5;ATF7;MUCL1	-0.32363	-2.63065	0.009301	0.832842
cg01665550	chr19	34850575		-0.34015	-2.62586	0.009428	0.834572
cg02487654	chr7	1.3E+08		0.141615	2.632207	0.009261	0.832713
cg17332603	chr4	7326576	PPP2R2C	-0.4054	-2.63091	0.009295	0.832713
cg04267400	chr17	37754160	ERBB2;LRRC37A11P	0.368404	2.624444	0.009466	0.834762
cg11847805	chr12	1.09E+08		-0.462	-2.62575	0.009431	0.834572
cg10537328	chr15	65054892		0.251677	2.632828	0.009244	0.832713
cg04276669	chr4	26319867		0.291202	2.625778	0.00943	0.834572
cg14833283	chr7	1327102		-0.3002	-2.62553	0.009437	0.834578
cg08861127	chr11	44587057		0.304672	2.626527	0.00941	0.833711

cg16370720	chr6	1.09E+08		0.284867	2.621536	0.009544	0.835515
cg15295166	chr21	36040771		-0.30205	-2.6296	0.009329	0.832973
cg12631517	chr17	15644575		-0.22465	-2.62356	0.009489	0.834762
cg02391526	chr22	37658878		-0.25765	-2.63274	0.009247	0.832713
cg05497253	chr5	77830465		0.330641	2.622658	0.009513	0.835489
cg08419026	chr8	70747067		-0.25464	-2.62784	0.009375	0.833622
cg17073708	chr8	55374489	XKR4;SOX17;SBF1P1	-0.37013	-2.63219	0.009261	0.832713
cg19005077	chr15	60920993		-0.28267	-2.63213	0.009263	0.832713
cg08251037	chr7	70597778		0.293271	2.61939	0.009602	0.836078
cg22056102	chr5	1.41E+08		0.42813	2.623473	0.009492	0.834762
cg14652587	chr17	75692571	TMC8	-0.32874	-2.62435	0.009468	0.834762
cg22663872	chr7	1.49E+08		0.357635	2.627469	0.009385	0.833622
cg13461509	chr1	53387576		-0.27618	-2.63054	0.009304	0.832853
cg14710165	chr8	1.26E+08		0.260945	2.624059	0.009476	0.834762
cg24125910	chr17	20846889		0.415077	2.628589	0.009356	0.833622
cg21775979	chr11	780331		-0.28838	-2.62183	0.009536	0.835515
cg15956662	chr2	2.32E+08		0.510414	2.636931	0.009138	0.832713
cg12501957	chr12	62629234		-0.25274	-2.6311	0.00929	0.832713
cg14098153	chr5	72533169		-0.33364	-2.62483	0.009455	0.834762
cg19577697	chr2	2.32E+08		-0.27983	-2.63258	0.009251	0.832713
cg10038168	chr12	1.24E+08		-0.43345	-2.62682	0.009403	0.833622
cg07827008	chr12	1.33E+08		0.225081	2.623892	0.00948	0.834762
cg20764358	chr17	800100	NXN	0.483696	2.62124	0.009552	0.835515
cg06651311	chr4	37246230		0.484559	2.618083	0.009637	0.836078

cg08030633	chr19	54244410		-0.23581	-2.62414	0.009474	0.834762
cg00169725	chr5	1.77E+08		0.29729	2.632861	0.009243	0.832713
cg16840978	chr8	37753555		-0.34483	-2.62354	0.00949	0.834762
cg21215325	chr15	35178803		0.365214	2.623525	0.00949	0.834762
cg11308643	chr11	1.05E+08		0.42197	2.627156	0.009394	0.833622
cg10962490	chr1	54072456	LDLRAD1;HSPB11;DIO1;ENSG00000197015;TCEANC2;ENSG00000237611;LRP8	0.310278	2.636935	0.009138	0.832713
cg04313565	chr16	17561865		0.323158	2.620384	0.009575	0.835974
cg22988430	chr15	25490537	ENSG00000235731	-0.20402	-2.61721	0.009661	0.836078
cg13303179	chr3	46759335		0.441104	2.628057	0.00937	0.833622
cg16172837	chr1	21059639	ALPL	0.243816	2.620959	0.009559	0.835722
cg09671951	chr10	1.05E+08	WBP1L;SH3PXD2A;CNNM2;NT5C2	0.41532	2.623781	0.009483	0.834762
cg00733190	chr7	1.35E+08		-0.22176	-2.62649	0.009411	0.833711
cg17393917	chr12	1.07E+08		-0.40366	-2.62419	0.009473	0.834762
cg26158194	chr11	1874320	LSP1;IGF2	-0.75984	-2.62211	0.009528	0.835515
cg22759823	chr19	57610870	ZNF471;ZNF418;ZNF135;ZNF549;ZNF211;PEG3;ZNF667;ZNF542;ZIK1;ZNF667-AS1	0.411496	2.621756	0.009538	0.835515
cg00663972	chr13	1.13E+08		0.385282	2.620991	0.009558	0.835722

cg01558037	chr8	10772570		-0.28711	-2.62145	0.009546	0.835515
cg02540026	chr2	69532619		-0.26881	-2.61668	0.009675	0.836078
cg14878988	chr2	2.41E+08		-0.20845	-2.62699	0.009398	0.833622
cg07173547	chr11	18727949		0.373764	2.62126	0.009551	0.835515
cg14512008	chr14	1.02E+08		-0.35045	-2.62391	0.00948	0.834762
cg01364581	chr7	1.5E+08	GIMAP5;GIMAP7;GIMAP2	-0.37378	-2.62061	0.009569	0.835892
cg14478768	chr19	1083429		-0.25916	-2.6189	0.009615	0.836078
cg22043296	chr11	1892139	LSP1	0.378468	2.615942	0.009695	0.836078
ch.4.9715F	chr4	2368003		0.430734	2.617959	0.00964	0.836078
cg08557179	chr10	13714674		-0.73637	-2.61844	0.009627	0.836078
cg13265583	chr10	1.24E+08		-0.38185	-2.61889	0.009615	0.836078
cg07700369	chr11	46299268		-0.17978	-2.62149	0.009545	0.835515
cg08582957	chr5	1468972		-0.30964	-2.61356	0.00976	0.836078
cg07896855	chr1	2.12E+08		0.252012	2.620323	0.009576	0.835974
cg24383480	chr3	47466266		0.376802	2.614561	0.009733	0.836078
cg17279551	chr5	1.4E+08		-0.21271	-2.62319	0.009499	0.834762
cg03843000	chr12	1.15E+08		0.358199	2.619604	0.009596	0.836078
cg13046164	chr2	99224758		-0.21266	-2.62206	0.009529	0.835515
cg24940248	chr11	1.19E+08		0.243116	2.631408	0.009281	0.832713
cg11029053	chr11	8008725		-0.27341	-2.61632	0.009685	0.836078
cg13709561	chr8	27781943		-0.28378	-2.6196	0.009596	0.836078
cg04363633	chr6	46655453		0.378631	2.619424	0.009601	0.836078
cg01291398	chr8	1830682	ARHGEF10	-0.32715	-2.62208	0.009529	0.835515
cg22746256	chr10	64576222		-0.21359	-2.62119	0.009553	0.835515

cg23181861	chr19	17970707		-0.19752	-2.62124	0.009552	0.835515
cg26088759	chr11	1.23E+08		0.287848	2.617404	0.009655	0.836078
cg24416190	chr4	1.86E+08		-0.3012	-2.61259	0.009787	0.836078
cg14354806	chr10	14817327		0.348681	2.624078	0.009475	0.834762
cg00066925	chr12	48921980		0.361185	2.624927	0.009453	0.834762
cg14166377	chr9	1.03E+08		0.324716	2.623127	0.009501	0.834762
cg06909503	chr1	1.65E+08		0.304964	2.619292	0.009604	0.836078
cg23094665	chr5	59559062		-0.34351	-2.62225	0.009524	0.835515
cg13583911	chr6	30614788		-0.1782	-2.62303	0.009504	0.834786
cg05188948	chr11	93754288	HEPHL1	0.33989	2.620138	0.009581	0.835974
cg13733545	chr12	7858664		0.498304	2.611506	0.009817	0.836078
cg17893108	chr7	1057944		0.218821	2.618445	0.009627	0.836078
cg11446651	chr17	27407276		0.373509	2.620677	0.009567	0.835892
cg03233940	chr19	37894644		0.693194	2.615528	0.009706	0.836078
cg25013443	chr11	1.07E+08		0.454835	2.620684	0.009567	0.835892
cg24987440	chr7	1.16E+08		-0.30013	-2.62013	0.009582	0.835974
cg08840441	chr19	19748461	LINC00663	0.577549	2.617219	0.00966	0.836078
cg23809597	chr2	68646210	GFPT1	-0.35462	-2.61781	0.009644	0.836078
cg15808426	chr19	57154302	ZIK1	0.416658	2.621715	0.009539	0.835515
cg01293485	chr3	42847044		0.280092	2.619313	0.009604	0.836078
cg16720890	chr2	2.43E+08		-0.30378	-2.61804	0.009638	0.836078
cg06440348	chr4	81111527	PRDM8	0.462884	2.611527	0.009816	0.836078
cg16386293	chr1	1.5E+08	CTSS;SV2A;MTMR11;TNFAIP8L2;FCGR1A;ECM1	-0.28554	-2.61461	0.009732	0.836078

cg13165070	chr11	2154113	BRSK2	-0.3261	-2.61408	0.009746	0.836078
cg09172850	chr1	1.92E+08		0.423851	2.611172	0.009826	0.836078
cg16791186	chr15	67134971		-0.21062	-2.62311	0.009501	0.834762
cg16763885	chr11	1.32E+08		-0.60857	-2.6161	0.009691	0.836078
cg21001008	chr6	31368503	TNXB	-0.17324	-2.62052	0.009571	0.835892
cg19656974	chr2	66653415		0.436094	2.623203	0.009499	0.834762
cg13663861	chr9	1.36E+08	ENSG00000224992;SURF4;RNU6ATAC	0.324822	2.611772	0.009809	0.836078
cg18866356	chr1	1.8E+08		0.290795	2.613739	0.009755	0.836078
cg20122488	chr17	17396436		-0.31784	-2.61908	0.00961	0.836078
cg10539122	chr1	2.02E+08		-0.23634	-2.61257	0.009787	0.836078
cg26673980	chr7	1.51E+08	SMARCD3	-0.54214	-2.61255	0.009788	0.836078
cg05054438	chr12	1.12E+08		-0.24504	-2.61623	0.009687	0.836078
cg20407834	chr10	1.3E+08		-0.38254	-2.61463	0.009731	0.836078
cg24543544	chr7	939202		-0.32275	-2.62355	0.00949	0.834762
cg08451870	chr12	57398787		0.234463	2.612353	0.009793	0.836078
cg02048922	chr8	1.44E+08		-0.60923	-2.61734	0.009657	0.836078
cg15667299	chr19	420332		0.338486	2.622505	0.009518	0.835508
cg16010596	chr6	33739607	RPS18	0.315936	2.616843	0.009671	0.836078
cg12985773	chr11	17035411		-0.20629	-2.61544	0.009709	0.836078
cg13491690	chr11	1.34E+08		-0.18611	-2.61747	0.009654	0.836078
cg01741038	chr12	18414933	PLEKHA5	0.53013	2.61881	0.009617	0.836078
cg05950570	chr7	1.32E+08		0.488679	2.616744	0.009673	0.836078
cg14653225	chr1	2.28E+08		-0.36471	-2.63146	0.00928	0.832713

cg13055374	chr1	54872983		-0.29212	-2.62164	0.009541	0.835515
cg24001728	chr11	61058953		-0.27331	-2.6119	0.009806	0.836078
cg17289692	chr3	1.34E+08	TF	0.416948	2.617292	0.009658	0.836078
cg04098051	chr2	1.55E+08		-0.39851	-2.61009	0.009856	0.836078
cg21938123	chr13	52733373		0.200261	2.621708	0.009539	0.835515
cg10981111	chr1	19733465		-0.25912	-2.61748	0.009653	0.836078
cg25375420	chr6	36009601		0.390495	2.614572	0.009733	0.836078
cg03463990	chr15	74534692		-0.28026	-2.62429	0.00947	0.834762
cg01321673	chr22	50438363		0.294578	2.608018	0.009913	0.836078
cg09507697	chr7	1.3E+08		-0.30563	-2.60886	0.00989	0.836078
cg26745294	chr16	1071049		-0.29124	-2.61177	0.009809	0.836078
cg08070327	chr7	27184059		0.414865	2.606779	0.009948	0.836078
cg16310415	chr8	25898539		0.407053	2.616065	0.009692	0.836078
cg24348823	chr19	5680464		0.187839	2.611569	0.009815	0.836078
cg01758494	chr17	47954094		-0.23578	-2.61319	0.00977	0.836078
cg18541087	chr19	3293448		-0.42498	-2.61311	0.009773	0.836078
cg13877670	chr15	53083532	FAM214A	0.352492	2.628534	0.009357	0.833622
cg24144175	chr6	30582908		0.452735	2.624692	0.009459	0.834762
cg02246609	chr6	28584003	ZSCAN12	0.420041	2.615235	0.009714	0.836078
cg21593676	chr4	88142277		0.465195	2.614343	0.009739	0.836078
cg26655517	chr19	54518382		0.787527	2.609057	0.009885	0.836078
cg00707739	chr3	23848132		-0.18154	-2.60751	0.009928	0.836078
cg10188048	chr19	18272037		-0.19754	-2.61733	0.009657	0.836078
cg26995083	chr6	43457511	NFKBIE;POLR1C;GLTSCR1L	-0.29602	-2.61476	0.009727	0.836078

cg24662243	chr6	32088661		-0.27724	-2.62366	0.009487	0.834762
cg07990546	chr2	74742309	DUSP11	0.332412	2.613602	0.009759	0.836078
cg23483081	chr18	74173903		-0.32119	-2.61017	0.009854	0.836078
cg18438823	chr11	4676365		-0.34557	-2.61245	0.009791	0.836078
cg23493031	chr14	36988854		0.233746	2.614268	0.009741	0.836078
cg24694018	chr1	1.45E+08		-0.16922	-2.61539	0.00971	0.836078
cg13571479	chr7	2077345	GNA12	0.339354	2.620568	0.00957	0.835892
cg01028389	chr16	87079265		-0.30227	-2.61313	0.009772	0.836078
cg17199007	chr6	1.46E+08		0.295811	2.609765	0.009865	0.836078
cg20758834	chr4	1.14E+08		-0.47344	-2.61222	0.009797	0.836078
cg13398192	chr13	1.09E+08		0.462108	2.616143	0.00969	0.836078
cg12764704	chr1	2.33E+08		0.209599	2.615675	0.009702	0.836078
cg12693702	chr7	25990679		-0.20122	-2.61591	0.009696	0.836078
cg10754596	chr22	31198955		-0.17081	-2.61323	0.009769	0.836078
cg18596616	chr5	173191	PLEKHG4B	-0.32994	-2.61671	0.009674	0.836078
cg09858862	chr1	23887514	ID3	-0.43221	-2.61065	0.00984	0.836078
cg01881265	chr17	934534	ENSG00000262003;ENSG00000228133;FAM57A;SCARF1;NXN	0.277695	2.615018	0.00972	0.836078
cg05970314	chr20	4741645		0.275553	2.613658	0.009758	0.836078
cg15159588	chr17	26672798		0.221232	2.609956	0.00986	0.836078
cg26201596	chr10	766041	ADARB2	-0.46834	-2.60941	0.009875	0.836078
cg15468243	chr14	1.05E+08		-0.20693	-2.61283	0.00978	0.836078
cg22399423	chr1	1.69E+08		-0.18384	-2.61281	0.009781	0.836078

cg23187653	chr5	95769008		0.473588	2.610693	0.009839	0.836078
cg12848065	chr2	2.08E+08		0.338741	2.61017	0.009854	0.836078
cg21703988	chr12	1.33E+08		0.308085	2.60847	0.009901	0.836078
cg06866208	chr16	67560245		-0.16811	-2.61202	0.009803	0.836078
ch.1.1254747R	chr1	39934760		0.24625	2.608926	0.009888	0.836078
cg00524706	chr12	1.33E+08		-0.43146	-2.60559	0.009981	0.836078
cg00192966	chr5	1.68E+08	SLIT3	0.339779	2.627322	0.009389	0.833622
cg05343799	chr11	35843508		-0.28446	-2.60931	0.009878	0.836078
cg25109873	chr17	1796814		0.331068	2.614382	0.009738	0.836078
cg06374079	chr6	27182908		0.357346	2.609631	0.009869	0.836078
cg06266189	chr2	2.34E+08		0.400599	2.611915	0.009806	0.836078
cg01296682	chr20	5891730		-0.31801	-2.6131	0.009773	0.836078
cg15577927	chr20	13201328		-0.30116	-2.61872	0.00962	0.836078
cg21438382	chr7	20825862		0.329792	2.616655	0.009676	0.836078
cg06103397	chr10	77542585		0.39646	2.607712	0.009922	0.836078
cg14934242	chr19	17953774	JAK3;FCHO1;IL12RB1;MYO9B	0.293804	2.60998	0.009859	0.836078
cg01854228	chr7	29690023		-0.32341	-2.61158	0.009815	0.836078
cg01360413	chr17	72321949	SLC9A3R1	0.310086	2.60686	0.009946	0.836078
cg23556923	chr17	62774590		0.276481	2.611231	0.009824	0.836078
cg03854598	chr22	43831005		0.357915	2.611317	0.009822	0.836078
cg06362543	chr20	42135794		0.307575	2.608162	0.009909	0.836078
cg12245438	chr18	3012994		0.190434	2.619919	0.009587	0.836078
cg00030588	chr16	87100811	SLC7A5	-0.29559	-2.61638	0.009683	0.836078
cg26693467	chr10	1.19E+08		-0.2245	-2.61456	0.009733	0.836078

cg14175771	chr1	50490706		0.359305	2.611635	0.009813	0.836078
cg22277636	chr2	2.19E+08		0.35354	2.616122	0.00969	0.836078
cg23348789	chr17	28092503		0.395335	2.621557	0.009543	0.835515
cg19332452	chr19	12936719	CACNA1A	0.225384	2.606768	0.009948	0.836078
cg17829314	chr1	38274017		-0.31268	-2.6183	0.009631	0.836078
cg13586160	chr15	25445634		-0.26358	-2.60591	0.009972	0.836078
cg09756865	chr1	63249197		0.385543	2.612374	0.009793	0.836078
cg07278624	chr12	1.07E+08		0.351844	2.610855	0.009835	0.836078
cg23668184	chr2	5836713		0.784396	2.607449	0.009929	0.836078
cg24372829	chr4	1.55E+08		0.215158	2.612384	0.009793	0.836078
cg12089187	chr10	12241348		0.454144	2.607143	0.009938	0.836078
cg16991168	chr15	47700931		0.421415	2.614915	0.009723	0.836078
cg09948909	chr6	1.44E+08	ENSG00000225311	0.252028	2.613016	0.009775	0.836078
cg15732768	chr7	96651537		0.297056	2.611893	0.009806	0.836078
cg13332172	chr19	37178884		-0.22917	-2.60761	0.009925	0.836078
cg14972967	chr2	2.41E+08		-0.16654	-2.62484	0.009455	0.834762
cg25406138	chr4	1.48E+08		0.403793	2.60732	0.009933	0.836078
cg13976544	chr7	1.57E+08		-0.39589	-2.60663	0.009952	0.836078
cg23122899	chr7	5269290		0.265491	2.607352	0.009932	0.836078
cg25511237	chr20	57978889		0.228454	2.607214	0.009936	0.836078
cg04157263	chr17	37752991	PIP4K2B	0.279456	2.608782	0.009892	0.836078
cg10106935	chr7	4762236		-0.33628	-2.60934	0.009877	0.836078
cg24053375	chr10	48392130		0.254854	2.606747	0.009949	0.836078
cg07598952	chr6	1.42E+08		0.36586	2.611936	0.009805	0.836078
cg07556730	chr11	679706		0.247845	2.611548	0.009816	0.836078

cg01759909	chr17	76264540		-0.32517	-2.61708	0.009664	0.836078
cg17431401	chr7	23511004		0.236059	2.615063	0.009719	0.836078
cg11629232	chr19	56187145		-0.35117	-2.60642	0.009958	0.836078
cg08858051	chr1	94313454		0.289125	2.607196	0.009936	0.836078
cg20636352	chr2	2E+08		0.472582	2.607874	0.009917	0.836078
cg23291900	chr1	2.23E+08		0.289991	2.617763	0.009646	0.836078
ch.5.23452154R	chr5	23416397		-0.54579	-2.60793	0.009916	0.836078
cg14427563	chr14	1.02E+08		-0.3048	-2.60467	0.010007	0.836215
cg16942190	chr10	32667705		0.379588	2.609251	0.009879	0.836078
cg12578480	chr10	23384902		-0.28304	-2.60662	0.009952	0.836078
cg15672768	chr5	1.41E+08		0.558159	2.603681	0.010035	0.836786
cg05343512	chr11	55736968		-0.40571	-2.60844	0.009902	0.836078
cg15769486	chr2	85132558		0.2044	2.609695	0.009867	0.836078
cg01207623	chr12	58334833		-0.30878	-2.61439	0.009738	0.836078
cg19957119	chr10	1.03E+08		0.252813	2.607648	0.009924	0.836078
cg11518020	chr1	25559545		0.355834	2.604343	0.010016	0.836221
cg05743346	chr7	71800987		0.472723	2.604143	0.010022	0.836221
cg26377296	chr19	4670382		-0.19874	-2.60687	0.009946	0.836078
cg12108265	chr10	1.35E+08		-0.30305	-2.60802	0.009913	0.836078
cg07211020	chr4	8396502		-0.30068	-2.60321	0.010048	0.836839
cg07467854	chr3	1.84E+08	YEATS2;ENSG00000272970	0.35256	2.616805	0.009672	0.836078
cg21186576	chr17	79466077		0.619689	2.601022	0.01011	0.837443
cg02244288	chr16	89573955		0.335659	2.60002	0.010138	0.837443
cg00639200	chr17	41081377		-0.44306	-2.61266	0.009785	0.836078

cg03582736	chr1	95586852		-0.31442	-2.60483	0.010003	0.836215
cg06489668	chr3	52031194		0.371534	2.607277	0.009934	0.836078
cg24080313	chr3	55522631		-0.2386	-2.60681	0.009947	0.836078
cg03656459	chr7	1.24E+08		-0.3828	-2.60551	0.009983	0.836078
cg18299670	chr6	1.62E+08		0.280554	2.613709	0.009756	0.836078
cg11963676	chr1	76540110		-0.31351	-2.60613	0.009966	0.836078
cg07094847	chr7	27160586	NFE2L3;HOXA5;HOXA-AS2	0.435128	2.609055	0.009885	0.836078
cg02369193	chr19	11587407		0.211146	2.60098	0.010111	0.837443
cg23551859	chr12	51632676		0.208704	2.606046	0.009968	0.836078
cg01297101	chr17	37356023	IKZF3;ENSG00000264198	-0.24967	-2.61093	0.009833	0.836078
cg19699088	chr1	15930386	RNU1-1	0.275481	2.606195	0.009964	0.836078
cg05730368	chr6	42146052		0.256478	2.609548	0.009871	0.836078
cg05021798	chr17	54670228		-0.22274	-2.61324	0.009769	0.836078
cg01785339	chr1	2.25E+08		-0.25966	-2.60865	0.009896	0.836078
cg16428612	chr16	89573535	RNF166;CBFA2T3;PIEZO1	0.534635	2.603406	0.010043	0.836839
cg12204362	chr12	98910117		0.174053	2.605743	0.009977	0.836078
cg14971998	chr5	1.39E+08		0.302351	2.607133	0.009938	0.836078
cg11432943	chr11	1.23E+08		-0.20884	-2.61408	0.009746	0.836078
cg11966998	chr11	15692519		0.534345	2.599703	0.010147	0.837443
cg05981406	chr8	1.43E+08		0.322032	2.607475	0.009929	0.836078
cg21749556	chr7	51680555		-0.31136	-2.60339	0.010043	0.836839
cg12382902	chr12	4383699		-0.30876	-2.60503	0.009997	0.836078
cg10611016	chr11	6225759		-0.39734	-2.60932	0.009877	0.836078

cg10842557	chr8	72824512		-0.31922	-2.60177	0.010089	0.837443
cg23270757	chr6	29427699		0.313296	2.610554	0.009843	0.836078
cg11014810	chr10	1.06E+08	CALHM2	-0.41755	-2.60508	0.009995	0.836078
cg16519118	chr5	78531582		0.214113	2.608382	0.009903	0.836078
cg25875908	chr15	93442302		0.376621	2.604716	0.010006	0.836215
cg10724490	chr7	6523886		-0.1544	-2.61152	0.009816	0.836078
cg23289615	chr18	55297793		-0.21925	-2.60691	0.009944	0.836078
cg03440944	chr7	45023329		-0.22776	-2.59989	0.010142	0.837443
cg10535933	chr15	52821418		-0.21224	-2.60542	0.009986	0.836078
cg24030425	chr7	92157488		0.335146	2.596826	0.010229	0.837443
cg25551622	chr17	65052432		-0.24635	-2.60588	0.009973	0.836078
cg03849755	chr16	595548		-0.21708	-2.60505	0.009996	0.836078
cg05308424	chr7	4800594		-0.24472	-2.60582	0.009975	0.836078
cg04487296	chr7	1.49E+08		0.432749	2.610592	0.009842	0.836078
cg00169019	chr6	32056438		-0.28602	-2.60404	0.010025	0.836221
cg16655791	chr6	1.06E+08		0.311824	2.606159	0.009965	0.836078
cg21533262	chr7	1.07E+08		0.456342	2.599722	0.010147	0.837443
cg19154323	chr2	2.09E+08		0.398491	2.60467	0.010007	0.836215
cg00692549	chr1	11072455		-0.36937	-2.60095	0.010112	0.837443
cg00805577	chr12	1.23E+08		0.308333	2.605399	0.009987	0.836078
cg09280070	chr19	3112648	GNA15;ZNF57;GNG7;LMNB2;GIPC3	-0.44165	-2.60501	0.009997	0.836078
cg13709529	chr6	54001895		-0.40515	-2.60689	0.009945	0.836078
cg17531142	chr8	1.29E+08		0.725377	2.619602	0.009596	0.836078
cg18006626	chr2	27488188		0.234509	2.606954	0.009943	0.836078

cg16640855	chr2	1.83E+08		0.449535	2.601027	0.01011	0.837443
cg04163916	chr19	4724653		-0.3308	-2.60051	0.010124	0.837443
cg06490943	chr7	56184217		0.246763	2.605852	0.009974	0.836078
cg18992201	chr3	1.09E+08		0.436171	2.604474	0.010013	0.836215
cg14190175	chr8	1.42E+08		-0.21248	-2.60305	0.010053	0.836839
cg21834512	chr18	6920190		-0.49491	-2.60567	0.009979	0.836078
ch.15.427045F	chr15	41584933		0.430307	2.606854	0.009946	0.836078
cg02492279	chr10	70805603		-0.92819	-2.60032	0.01013	0.837443
cg04446992	chr8	11550094		-0.25407	-2.59978	0.010145	0.837443
cg05287529	chr10	1.01E+08		-0.27068	-2.59699	0.010225	0.837443
cg23206103	chr10	1.16E+08		-0.20403	-2.61462	0.009731	0.836078
cg07298547	chr16	85585356	FAM92B;C16orf74;FOXF1;FENDRR;MTHFSD;USP10	0.434578	2.616867	0.00967	0.836078
cg03665818	chr16	54724064		-0.39495	-2.59873	0.010175	0.837443
cg20935025	chr14	35874013		-0.29209	-2.60805	0.009913	0.836078
cg23899424	chr20	60456296		-0.2337	-2.60649	0.009956	0.836078
cg00852921	chr20	62120544		0.455803	2.607701	0.009922	0.836078
cg23204345	chr6	1.09E+08		-0.16147	-2.60062	0.010121	0.837443
cg07313705	chr5	1.81E+08		0.492602	2.605427	0.009986	0.836078
cg14985231	chr22	21271315		0.2305	2.617978	0.00964	0.836078
cg25649200	chr17	79233120		-0.28761	-2.60306	0.010052	0.836839
cg22909333	chr10	1.29E+08		-0.35253	-2.60872	0.009894	0.836078
cg25354206	chr7	1.58E+08		-0.36705	-2.59896	0.010168	0.837443
cg03705784	chr11	95888212	MAML2	0.408764	2.602494	0.010068	0.837443

cg06038180	chr17	7258337		-0.23941	-2.59691	0.010227	0.837443
cg03088725	chr19	9270837		0.310434	2.601694	0.010091	0.837443
cg09539239	chr16	1555698		-0.32138	-2.59761	0.010207	0.837443
cg18370979	chr5	93411837		0.42799	2.605232	0.009991	0.836078
cg03383250	chr1	47972688		-0.20851	-2.60409	0.010023	0.836221
cg15087401	chr12	50100809		0.225069	2.606659	0.009951	0.836078
cg05469916	chr7	1.58E+08	LINC00689	-0.21804	-2.59994	0.010141	0.837443
cg17502536	chr1	17531015	PADI1;PADI2	-0.46055	-2.59717	0.01022	0.837443
cg26283008	chr15	45507820		0.24666	2.610845	0.009835	0.836078
cg09797645	chr10	35415606		-0.19867	-2.5968	0.01023	0.837443
cg27050111	chr16	8738240		-0.35295	-2.60866	0.009896	0.836078
cg22560214	chr4	13531213		0.230318	2.603016	0.010054	0.836839
cg01141940	chr14	60097247		0.346306	2.601227	0.010104	0.837443
cg24527700	chr7	33119186		0.381261	2.602393	0.010071	0.837443
cg10804974	chr5	1.41E+08		0.392525	2.604056	0.010024	0.836221
cg15747884	chr19	58980654	ENSG00000176593;ZSCAN1;ZNF606	0.222784	2.598653	0.010177	0.837443
cg09656274	chr10	1.34E+08		0.318306	2.603594	0.010037	0.836786
cg04400521	chr11	1.04E+08		-0.22436	-2.6036	0.010037	0.836786
cg09980384	chr17	76380922	LGALS3BP	-0.35307	-2.60697	0.009943	0.836078
cg12401738	chr4	39460100		-0.24791	-2.60808	0.009912	0.836078
cg12073319	chr4	15965025	LDB2;FGFBP1	-0.33683	-2.61886	0.009616	0.836078
cg26269966	chr1	2.14E+08	ATF3;ENSG00000260805	-0.34422	-2.60173	0.01009	0.837443
cg22731637	chr11	45231545	CRY2;PRDM11	0.471799	2.60259	0.010066	0.837443

cg02797809	chr17	77954550		-0.22649	-2.59562	0.010264	0.837714
cg07382002	chr5	1.4E+08	WDR55;DIAPH1	-0.32968	-2.59769	0.010205	0.837443
cg04769218	chr7	99098020		-0.1758	-2.60052	0.010124	0.837443
cg16463733	chr6	33422266		-0.23668	-2.60446	0.010013	0.836215
cg18775634	chr3	27755341		0.367382	2.595946	0.010255	0.837714
cg26521207	chr7	25163585		-0.24944	-2.59947	0.010154	0.837443
cg02870816	chr17	80880952		-0.28727	-2.59755	0.010209	0.837443
cg02712322	chr16	15829293		0.275683	2.601533	0.010095	0.837443
cg12813797	chr6	1.33E+08		0.38307	2.607017	0.009941	0.836078
cg01566745	chr16	2741070		-0.26692	-2.60125	0.010104	0.837443
cg18077971	chr2	2.23E+08	SGPP2	0.426836	2.605059	0.009996	0.836078
cg15043057	chr1	41444788		0.248801	2.604215	0.01002	0.836221
cg26280666	chr8	72755568	MSC;ENSG00000253379	-0.29451	-2.60619	0.009964	0.836078
cg24501299	chr6	1.08E+08		0.408914	2.596447	0.01024	0.837443
cg19082920	chr1	2.03E+08		-0.26851	-2.60605	0.009968	0.836078
cg12999084	chr7	69058543		-0.35596	-2.59967	0.010148	0.837443
cg21628927	chr13	1.11E+08		-0.50716	-2.60009	0.010136	0.837443
cg22117143	chr9	13251431		-0.34518	-2.60561	0.009981	0.836078
cg25567054	chr14	1.05E+08	ENSG00000257556	-0.26183	-2.59465	0.010292	0.837714
cg13705251	chr19	8509791		0.168633	2.602403	0.010071	0.837443
cg25769315	chr4	53708502		0.411341	2.593889	0.010314	0.837714
cg22611419	chr17	77070824		-0.19002	-2.60324	0.010047	0.836839
cg02313850	chr10	88516765		-0.30023	-2.60079	0.010116	0.837443
cg02511363	chr12	3365683	CACNA1C;CACNA1C-IT3	0.499337	2.597667	0.010205	0.837443

cg03024760	chr15	27215997		0.385402	2.599226	0.010161	0.837443
cg11118357	chr8	67525492		-0.29056	-2.59702	0.010224	0.837443
cg12496929	chr6	31940010	HCG27	0.172791	2.598154	0.010191	0.837443
cg13168877	chr1	1896470		-0.22287	-2.59803	0.010195	0.837443
cg20294080	chr1	17932629		0.435895	2.595678	0.010262	0.837714
cg26922690	chr10	7409669		-0.35628	-2.60183	0.010087	0.837443
cg00212119	chr5	1.78E+08		-0.33177	-2.59525	0.010275	0.837714
cg09932439	chr19	44645532		0.204414	2.596706	0.010233	0.837443
cg07379574	chr19	18724173	FCHO1;JAK3	0.3211	2.613318	0.009767	0.836078
cg27289153	chr6	1.35E+08		-0.22449	-2.6067	0.00995	0.836078
cg00958517	chr16	70473316		-0.2231	-2.60815	0.00991	0.836078
cg04331694	chr16	50104184		0.26963	2.603278	0.010046	0.836839
cg04467832	chr6	1.69E+08	MLLT4;WDR27;THBS2;C6orf123;SMOC2	0.31371	2.60698	0.009942	0.836078
cg06887897	chr4	5525710		-0.41943	-2.59851	0.010181	0.837443
cg04471325	chr5	1.41E+08		0.296793	2.599348	0.010157	0.837443
cg26661436	chr5	1.41E+08		-0.20358	-2.59401	0.01031	0.837714
cg10503208	chr11	5545506	APBB1	-0.48465	-2.59741	0.010213	0.837443
cg18198730	chr1	2.48E+08		0.382792	2.602426	0.01007	0.837443
cg19378330	chr10	1.02E+08		0.254606	2.600527	0.010124	0.837443
cg25735823	chr2	3261367		-0.2442	-2.59722	0.010218	0.837443
cg20633478	chr10	1.32E+08		0.28252	2.595674	0.010262	0.837714
cg17795540	chr8	1.41E+08		-0.26975	-2.59826	0.010188	0.837443
cg10272977	chr6	1.02E+08	ENSG00000218475	0.181823	2.599644	0.010149	0.837443

cg26999908	chr5	1.79E+08		0.242535	2.598422	0.010184	0.837443
cg00193283	chr3	10806047		0.324562	2.597613	0.010207	0.837443
cg16867657	chr6	11044877	HIVEP1;TMEM170B	0.361187	2.593911	0.010313	0.837714
cg22330749	chr2	10123764	TAF1B	0.495601	2.597844	0.0102	0.837443
cg13592565	chr18	76782568		-0.2795	-2.59803	0.010195	0.837443
cg27445278	chr22	26961465		-0.40326	-2.59524	0.010275	0.837714
cg23137088	chr5	1.35E+08		0.349559	2.596858	0.010228	0.837443
cg06282665	chr18	77797615		0.311939	2.599248	0.01016	0.837443
cg23371950	chr10	12237955		0.220034	2.593614	0.010322	0.837714
cg07986791	chr16	55498979		-0.36416	-2.59257	0.010352	0.83784
cg11831003	chr11	5646029		0.433964	2.59546	0.010269	0.837714
cg00489772	chr1	3775078		0.402966	2.587938	0.010487	0.839481
cg01082512	chr10	23462117		0.400405	2.597748	0.010203	0.837443
cg14882636	chr19	40722039		0.243976	2.592665	0.010349	0.83784
cg25386234	chr1	1.2E+08		0.26331	2.595409	0.01027	0.837714
cg14445814	chr9	1.22E+08		0.353665	2.594364	0.0103	0.837714
cg07956897	chr2	20647393		0.519708	2.593757	0.010318	0.837714
cg07215199	chr20	22549361		0.375877	2.597009	0.010224	0.837443
cg23179379	chr19	9434523		0.223315	2.601766	0.010089	0.837443
cg04120413	chr3	1.49E+08		0.373551	2.594695	0.010291	0.837714
cg12356155	chr17	7673324	ALOX12P2;CLDN7	-0.45492	-2.60587	0.009973	0.836078
cg25793571	chr3	1.29E+08		0.309118	2.595717	0.010261	0.837714
cg08344551	chr10	8075872		0.274978	2.598852	0.010172	0.837443
cg07153098	chr2	84517742		-0.27872	-2.59701	0.010224	0.837443

cg16412228	chr16	2941920		-0.23088	-2.59954	0.010152	0.837443
cg08972756	chr2	71133854	ADD2;DYSF;TGFA	0.308912	2.610147	0.009854	0.836078
cg01086110	chr20	43979369		0.324649	2.594657	0.010292	0.837714
cg11765913	chr19	7926080	CERS4;ADAMTS10;INSR;PEX11G	-0.2507	-2.59766	0.010206	0.837443
cg19518845	chr1	1.83E+08		-0.37425	-2.59184	0.010373	0.838711
cg14031964	chr10	1.26E+08		-0.32918	-2.59873	0.010175	0.837443
cg13297960	chr21	22370237		0.389555	2.598428	0.010184	0.837443
cg27402782	chr11	65296794		-0.32247	-2.59711	0.010221	0.837443
cg26258423	chr18	75380233		-0.3109	-2.59391	0.010313	0.837714
cg25707676	chr7	96643539		0.347749	2.598115	0.010193	0.837443
cg24676244	chr7	11872050		0.434692	2.602124	0.010079	0.837443
cg00175844	chr8	1.42E+08		-0.25381	-2.59408	0.010308	0.837714
cg07177115	chr2	1.14E+08	RABL2A	-0.26369	-2.59657	0.010237	0.837443
cg21859880	chr7	1.39E+08		-0.29606	-2.58924	0.010449	0.839481
cg06633013	chr19	14170956		-0.35927	-2.59172	0.010376	0.838711
cg07094693	chr2	1.2E+08		-0.22127	-2.59656	0.010237	0.837443
cg14587524	chr19	38183262	ZNF781	0.449021	2.58738	0.010503	0.839481
cg14508615	chr1	1.01E+08	VCAM1	-0.20566	-2.59398	0.010311	0.837714
cg05151241	chr15	90808880		-0.20618	-2.58972	0.010435	0.839481
cg12627712	chr11	1.34E+08	THYN1	0.606884	2.597155	0.01022	0.837443
ch.4.8394628F	chr4	8343728		-0.51425	-2.59413	0.010307	0.837714
cg04225197	chr12	56757806		0.32788	2.592065	0.010366	0.838582
cg23708347	chr17	46969722		-0.16916	-2.5997	0.010147	0.837443
cg05482306	chr5	1.56E+08		-0.3625	-2.58912	0.010452	0.839481

cg22132193	chr12	3334540		0.327135	2.602119	0.010079	0.837443
cg24177393	chr5	43037517	ENSG00000177738	0.544769	2.585078	0.010571	0.842473
cg20258486	chr7	1.59E+08	LINC00689;PTPRN2	-0.27644	-2.58817	0.01048	0.839481
cg00965168	chr1	2.28E+08		0.307179	2.593697	0.010319	0.837714
cg19764399	chr13	48669116		-0.26919	-2.59681	0.01023	0.837443
cg08572611	chr7	1E+08	ZCWPW1	0.458905	2.593952	0.010312	0.837714
cg04063235	chr22	46508563	PKDREJ;GTSE1	0.298413	2.587807	0.01049	0.839481
cg19926444	chr19	12624742		0.411519	2.593196	0.010334	0.837714
cg23470538	chr5	4295348		-0.30327	-2.58963	0.010437	0.839481
cg12782491	chr13	77566003		-0.31343	-2.59318	0.010334	0.837714
cg13662196	chr9	1.4E+08		-0.16366	-2.59047	0.010413	0.839481
cg01689239	chr12	48592635		0.361454	2.59416	0.010306	0.837714
cg07800254	chr6	30586053		0.247814	2.595151	0.010277	0.837714
cg20279895	chr14	31091012		0.394511	2.596901	0.010227	0.837443
cg09741404	chr8	1.45E+08		0.321068	2.588593	0.010467	0.839481
cg08291000	chr7	94285960		0.266613	2.605912	0.009972	0.836078
cg11398517	chr20	42355625	IFT52;PKIG	-0.28138	-2.59656	0.010237	0.837443
cg09221450	chr13	79856043		0.361157	2.5905	0.010412	0.839481
cg19776520	chr1	52869847		-0.264	-2.59405	0.010309	0.837714
cg24086592	chr1	2.12E+08		-0.26202	-2.59029	0.010418	0.839481
cg25150155	chr20	42193746		0.296382	2.593512	0.010325	0.837714
cg05472579	chr8	37757063	WHSC1L1	0.222552	2.587664	0.010495	0.839481
cg17778165	chr20	10414372		-0.32488	-2.59634	0.010243	0.837443
cg12246510	chr11	79152102		0.290089	2.595652	0.010263	0.837714

cg11576217	chr1	2.04E+08		-0.2237	-2.5932	0.010334	0.837714
cg11124956	chr6	10528233		0.342036	2.598755	0.010174	0.837443
cg24764834	chr4	1.2E+08	ENSG00000245958	0.30237	2.594637	0.010292	0.837714
cg21177778	chr22	48883578		-0.27198	-2.59326	0.010332	0.837714
cg03954144	chr13	20751679		0.467323	2.596338	0.010243	0.837443
cg15120454	chr1	1.56E+08	NES;SMG5;SYT11	0.290057	2.59295	0.010341	0.837716
cg21395152	chr1	2.13E+08		-0.15661	-2.58898	0.010456	0.839481
cg23717805	chr13	45011224		0.310011	2.587584	0.010497	0.839481
cg09070316	chr1	64944768	EFCAB7;ROR1;DNAJC6;ENSG00000223949	0.432037	2.597942	0.010197	0.837443
cg05779786	chr2	2.37E+08		0.351877	2.588444	0.010472	0.839481
cg08444060	chr11	77531885		-0.26261	-2.59941	0.010156	0.837443
cg26131879	chr4	714341		0.374365	2.586116	0.01054	0.840978
cg07462540	chr7	8473279		0.325197	2.590692	0.010406	0.839481
cg03150857	chr7	1.06E+08		-0.26153	-2.59191	0.010371	0.838711
cg26281728	chr15	85923949		-0.16659	-2.58693	0.010516	0.839861
cg03409187	chr6	29521624		0.58995	2.58835	0.010475	0.839481
cg22428023	chr1	36851581		-0.18927	-2.59093	0.010399	0.839466
cg15706776	chr13	67374653		-0.36673	-2.59334	0.010329	0.837714
cg14408990	chr14	1.05E+08		-0.25969	-2.6007	0.010119	0.837443
cg14635160	chr9	82526898		-0.40247	-2.58914	0.010451	0.839481
cg21522071	chr13	1.11E+08		-0.22789	-2.58547	0.010559	0.842023
cg16294838	chr5	1.69E+08	SLIT3	0.378354	2.587712	0.010493	0.839481
cg17741986	chr5	1.78E+08		0.211106	2.587591	0.010497	0.839481

cg23375538	chr19	2480717		-0.3003	-2.58518	0.010568	0.842473
cg19864416	chr19	42498173		-0.20646	-2.59531	0.010273	0.837714
cg04766618	chr11	57310571		-0.21789	-2.5945	0.010296	0.837714
cg14959707	chr16	11876391	CPPED1;GSPT1	0.33794	2.597863	0.0102	0.837443
cg12057615	chr8	1.29E+08		-0.20017	-2.60454	0.010011	0.836215
cg10132273	chr8	27330745		-0.31795	-2.59147	0.010384	0.838711
cg15183126	chr3	33138421		0.199795	2.593168	0.010335	0.837714
cg12479630	chr1	28157569		-0.18207	-2.58992	0.010429	0.839481
cg07924503	chr16	89573631	CBFA2T3;SPIRE2	0.446793	2.587039	0.010513	0.839861
cg09232871	chr11	48902014		0.335347	2.587401	0.010502	0.839481
cg05574357	chr12	1.15E+08	TBX3	0.3693	2.591544	0.010382	0.838711
cg01275632	chr2	2.43E+08		0.268504	2.592052	0.010367	0.838582
cg26070383	chr6	32797241	HLA-DMA;HLA-DOA;HLA-DMB;HLA-DRA;TAPSAR1;PSMB9;HLA-DPA1;HLA-DPB1	0.353259	2.590263	0.010419	0.839481
cg10862489	chr17	16260166	FAM211A-AS1	-0.31397	-2.58787	0.010489	0.839481
cg03396809	chr3	48282488		-0.20463	-2.59771	0.010204	0.837443
cg26218577	chr15	69744466		0.368237	2.586327	0.010534	0.840797
cg14611230	chr3	49207659		0.232184	2.591746	0.010376	0.838711
cg00677479	chr2	1.72E+08		0.332989	2.583879	0.010606	0.843454
cg00914041	chr8	91997810		0.400082	2.589642	0.010437	0.839481
cg06539400	chr16	4365605		-0.21137	-2.58674	0.010522	0.840138
cg22386920	chr3	1.96E+08		0.255649	2.59263	0.01035	0.83784

cg21531017	chr6	30159510		-0.2013	-2.59289	0.010343	0.837716
cg04891688	chr3	99113136	DCBLD2	-0.43473	-2.59301	0.010339	0.837716
cg01114989	chr16	67757411	RANBP10	0.203461	2.583142	0.010628	0.844091
cg23715667	chr17	79634303	ARL16;BAIAP2-AS1	0.411182	2.581983	0.010662	0.844452
cg05938437	chr20	30697524		0.201846	2.590482	0.010412	0.839481
cg19632236	chr5	5421452		0.380482	2.589881	0.01043	0.839481
cg14671364	chr1	1.08E+08		-0.2325	-2.58394	0.010604	0.843454
cg10664842	chr4	7710280	BLOC1S4	-0.3992	-2.58911	0.010453	0.839481
cg26094470	chr10	75187383		0.273934	2.591522	0.010382	0.838711
cg21574681	chr12	51399126	GPD1;GALNT6	0.3813	2.587456	0.010501	0.839481
cg00910203	chr17	21276802		0.216894	2.593952	0.010312	0.837714
cg01322951	chr3	1.19E+08		0.321037	2.590197	0.010421	0.839481
cg07179816	chr8	49647907		0.718329	2.579266	0.010743	0.845643
cg25414165	chr10	77542488		0.43279	2.590498	0.010412	0.839481
cg19280572	chr11	1873884	LSP1;C11orf89	-0.50744	-2.58254	0.010646	0.844274
cg00928397	chr2	1.75E+08	CHN1;WIPF1	0.264785	2.589575	0.010439	0.839481
cg17029156	chr2	27070458		0.236397	2.592844	0.010344	0.837716
cg12175905	chr15	1.02E+08	PCSK6	-0.35176	-2.58635	0.010533	0.840797
cg25277041	chr6	5995953		0.263859	2.588819	0.010461	0.839481
cg14479306	chr9	1.25E+08		-0.34962	-2.58617	0.010539	0.840978
cg03694138	chr7	1.5E+08		-0.32849	-2.58582	0.010549	0.841521
cg01162507	chr16	20322037	C16orf62	-0.32945	-2.58323	0.010625	0.844091
cg27461883	chr16	27561453		0.222467	2.594972	0.010283	0.837714
cg06797068	chr6	74104600	DDX43	0.894939	2.583915	0.010605	0.843454

cg09810466	chr8	11843807		0.387941	2.587775	0.010491	0.839481
cg00253200	chr3	1.93E+08		0.268941	2.590059	0.010425	0.839481
cg00661205	chr13	42400902		-0.23388	-2.58264	0.010643	0.844274
cg25124938	chr3	1.27E+08		0.22686	2.591328	0.010388	0.838852
cg23091526	chr6	29978637		0.232919	2.589898	0.010429	0.839481
cg15090909	chr5	1.79E+08	ZFP2	-0.27222	-2.58804	0.010484	0.839481
cg19471574	chr5	87441654		0.354183	2.590438	0.010414	0.839481
cg26853787	chr2	2.03E+08		-0.53579	-2.57925	0.010744	0.845643
cg18552939	chr15	23932620		-0.38388	-2.58425	0.010595	0.843454
cg08066154	chr12	50459310		-0.31748	-2.60066	0.01012	0.837443
cg17191558	chr8	1.45E+08		-0.37105	-2.57784	0.010786	0.845643
cg21296230	chr15	33010536		0.337106	2.591019	0.010397	0.839419
cg24686610	chr3	1.47E+08		0.275637	2.581214	0.010685	0.845214
cg07553108	chr10	34398955		-0.24057	-2.5957	0.010262	0.837714
cg02097420	chr3	1.86E+08		0.238154	2.587471	0.0105	0.839481
cg20437660	chr8	56367005		-0.2829	-2.58386	0.010607	0.843454
cg13220109	chr10	1.26E+08		-0.16578	-2.58969	0.010435	0.839481
cg26335577	chr3	1.44E+08		-0.34899	-2.5936	0.010322	0.837714
cg27616811	chr12	1.17E+08		0.395848	2.59628	0.010245	0.837443
cg21959316	chr1	85040158	SYDE2	-0.22916	-2.58244	0.010649	0.844274
cg18239042	chr4	1.4E+08		-0.33884	-2.58894	0.010457	0.839481
cg19448780	chr13	1.12E+08		0.253418	2.583111	0.010629	0.844091
cg20344956	chr15	21940895		-0.36346	-2.5851	0.01057	0.842473
cg08235947	chr7	1.58E+08		0.410049	2.578322	0.010772	0.845643
cg11580575	chr5	1.54E+08		0.308045	2.588729	0.010464	0.839481

cg27165456	chr7	1782577	PSMG3	-0.31961	-2.59146	0.010384	0.838711
cg17442155	chr7	99955675	PILRA	-0.27731	-2.58444	0.010589	0.843337
cg06322988	chr3	1.39E+08		0.718109	2.584639	0.010584	0.84319
cg01932182	chr2	3689368		0.286637	2.584524	0.010587	0.843304
cg00788063	chr16	85337438		-0.29637	-2.58241	0.01065	0.844274
cg27478485	chr12	6898682	PTPN6	-0.31645	-2.58097	0.010693	0.845214
cg21664030	chr16	216244		0.278593	2.583268	0.010624	0.844091
cg14669345	chr6	1.19E+08		0.298671	2.598533	0.010181	0.837443
cg26801241	chr16	47495768		-0.42775	-2.58277	0.010639	0.844274
cg06687102	chr3	1.58E+08	MLF1;LXN;RARRES1;IQCJ-SCHIP1;MFSD1;ENSG00000271778	0.407728	2.607168	0.009937	0.836078
cg22146642	chr7	2196808	IQCE;PSMG3-AS1	0.449638	2.592829	0.010344	0.837716
cg22949951	chr6	351293		0.312104	2.583005	0.010632	0.844091
cg04674568	chr5	1.68E+08	SPDL1;RARS	-0.30079	-2.58548	0.010559	0.842023
ch.4.134900688F	chr4	1.35E+08		0.416741	2.588569	0.010468	0.839481
cg08065122	chr11	794433		-0.37021	-2.57905	0.01075	0.845643
cg09711746	chr11	32460375	TCP11L1	0.354108	2.581007	0.010691	0.845214
cg04460007	chr4	52725497		0.368084	2.593671	0.01032	0.837714
cg15605704	chr1	4770676		-0.44432	-2.58148	0.010677	0.844978
cg03406844	chr2	1.52E+08		-0.44753	-2.58869	0.010465	0.839481
cg07109965	chr6	16401143		-0.25914	-2.58901	0.010455	0.839481
cg07512313	chr14	1.03E+08		-0.32125	-2.58288	0.010636	0.844182
cg02735204	chr10	71871463		0.367391	2.576602	0.010823	0.845643

cg08269316	chr4	1.74E+08		0.382849	2.586933	0.010516	0.839861
cg03660500	chr1	1.98E+08		0.375286	2.576908	0.010814	0.845643
cg17919477	chr1	3574507		-0.23271	-2.58411	0.010599	0.843454
cg17616217	chr3	1.34E+08		0.420607	2.59748	0.010211	0.837443
cg06219408	chr8	1.44E+08		-0.21311	-2.58158	0.010674	0.84491
cg13792147	chr16	31831181		0.339787	2.580782	0.010698	0.845214
cg05512111	chr3	1.19E+08	UPK1B	-0.36795	-2.58008	0.010719	0.845438
cg24510397	chr7	1.52E+08		-0.33252	-2.5782	0.010775	0.845643
cg14973797	chr2	2.03E+08		0.206426	2.583593	0.010614	0.843922
cg14196303	chr9	6757347		0.236841	2.584763	0.01058	0.843057
cg18244811	chr5	99690406		0.312197	2.592329	0.010359	0.838251
cg06866712	chr8	18743898		-0.33427	-2.58224	0.010655	0.844436
cg20998200	chr11	22370099		-0.4606	-2.57425	0.010894	0.845643
cg27100236	chr8	11561458		0.40131	2.582988	0.010632	0.844091
cg14731570	chr2	2.32E+08		0.296999	2.57852	0.010766	0.845643
cg12608633	chr10	1.01E+08		-0.32803	-2.58309	0.010629	0.844091
cg01692252	chr17	37893005		-0.25986	-2.58014	0.010717	0.845438
cg18715868	chr6	27804866		-0.32028	-2.57682	0.010817	0.845643
cg09081544	chr3	1.25E+08	MUC13	-0.33025	-2.57604	0.01084	0.845643
cg18059383	chr17	1839591		-0.2796	-2.57545	0.010858	0.845643
cg01226865	chr12	7858598		0.47961	2.584013	0.010602	0.843454
cg11943839	chr3	47654439	KLHL18	-0.27239	-2.58135	0.010681	0.845125
cg20064558	chr10	1.35E+08		-0.34399	-2.57965	0.010732	0.845438
cg04871538	chr15	73348009	BBS4;HCN4	0.258867	2.588059	0.010483	0.839481
cg13977374	chr9	86152905		0.194998	2.580134	0.010717	0.845438

cg19813884	chr1	59043370		0.279198	2.581962	0.010663	0.844452
cg04104463	chr8	65291341		0.400664	2.581793	0.010668	0.844553
cg23594461	chr1	2.01E+08		0.345904	2.582377	0.010651	0.844274
cg13900773	chr12	1.31E+08		-0.72656	-2.57933	0.010741	0.845643
cg25392287	chr1	26333318		0.196381	2.575413	0.010859	0.845643
cg15793577	chr6	1.71E+08		-0.34367	-2.58331	0.010623	0.844091
cg05149498	chr5	32089720		0.289587	2.581959	0.010663	0.844452
cg08324115	chr16	57450784		-0.30982	-2.58101	0.010691	0.845214
cg19594218	chr1	62660556		-0.43073	-2.57972	0.01073	0.845438
cg06664254	chr16	75628226		0.342854	2.577765	0.010788	0.845643
cg15674193	chr2	2.39E+08		0.265359	2.577134	0.010807	0.845643
cg09554952	chr17	3030881		-0.29428	-2.5819	0.010665	0.844452
cg11809464	chr6	1E+08		0.316398	2.576533	0.010825	0.845643
cg07516956	chr5	1.35E+08		0.311399	2.573559	0.010915	0.845643
cg05609159	chr2	2.1E+08		-0.40661	-2.57962	0.010733	0.845438
cg03589898	chr8	1.42E+08		-0.26943	-2.57967	0.010731	0.845438
cg08665685	chr22	31500397	SMTN;EIF4ENIF1;ENSG00000198832	0.319007	2.57237	0.010951	0.846247
cg01052854	chr1	1.15E+08		0.189647	2.577268	0.010803	0.845643
cg26299549	chr7	1.05E+08		-0.18141	-2.5798	0.010727	0.845438
cg02860281	chr1	39284609	FHL3	0.331377	2.580188	0.010716	0.845438
cg17155330	chr13	1.11E+08		0.323427	2.572884	0.010936	0.846162
cg22646995	chr5	1.81E+08		0.44921	2.57804	0.01078	0.845643
cg24244478	chr11	75374608		-0.42365	-2.5741	0.010899	0.845643
cg23141333	chr1	1.15E+08		-0.21853	-2.57915	0.010747	0.845643

cg09709079	chr12	7174923		-0.28477	-2.57419	0.010896	0.845643
cg01241018	chr6	33176386		-0.21336	-2.57324	0.010925	0.845643
cg18646254	chr4	1.38E+08		-0.40261	-2.582	0.010662	0.844452
cg01237263	chr17	21179546		-0.1335	-2.57756	0.010794	0.845643
cg08248330	chr1	21020048		-0.24288	-2.57615	0.010837	0.845643
cg14068328	chr6	85474087		0.379775	2.573443	0.010919	0.845643
cg07057177	chr7	1.32E+08		-0.29352	-2.57762	0.010793	0.845643
cg16659728	chr11	68748506		-0.40658	-2.57323	0.010925	0.845643
cg08446692	chr15	84034366		-0.26583	-2.59631	0.010244	0.837443
cg15737302	chr11	1.18E+08		0.250398	2.575487	0.010857	0.845643
cg27299024	chr15	59667752		-0.33234	-2.57752	0.010795	0.845643
cg11043031	chr17	6543784		0.323251	2.575308	0.010862	0.845643
cg21648009	chr17	77175465		0.387443	2.575553	0.010855	0.845643
cg02364855	chr8	53361893		0.268025	2.587507	0.010499	0.839481
cg04461481	chr16	49526774		-0.28822	-2.57448	0.010887	0.845643
cg12131219	chr1	25558575		-0.2535	-2.5802	0.010715	0.845438
cg05483509	chr16	2563435		0.308008	2.580277	0.010713	0.845438
cg05868365	chr7	1584479		-0.56019	-2.56972	0.011032	0.847781
cg16526287	chr6	15524865		-0.3117	-2.57737	0.0108	0.845643
cg25903363	chr8	21972479	HR;BMP1	-0.33826	-2.58697	0.010515	0.839861
cg25496297	chr17	27411642	TNFAIP1;ENSG00000265845	0.242184	2.578945	0.010753	0.845643
cg24473500	chr7	871436		-0.29967	-2.57751	0.010796	0.845643
cg06915334	chr8	20161343		0.226902	2.577528	0.010795	0.845643
cg20303724	chr17	21792854		-0.29022	-2.5762	0.010835	0.845643

cg06373817	chr15	93123126		-0.2998	-2.57977	0.010728	0.845438
cg02592615	chr6	12012261		-0.24397	-2.57956	0.010734	0.845438
cg01829241	chr4	8582249		0.540618	2.596113	0.01025	0.837674
cg14178794	chr4	5713546		0.331401	2.573599	0.010914	0.845643
cg13250884	chr3	8543204		0.159734	2.573325	0.010922	0.845643
cg11051738	chr14	54687160		0.33122	2.580825	0.010697	0.845214
cg17306661	chr7	6888415		-0.21894	-2.57791	0.010784	0.845643
cg24022301	chr1	78956570		0.386578	2.57391	0.010905	0.845643
cg01172183	chr8	99952031		0.434818	2.574197	0.010896	0.845643
cg07562135	chr19	39340654		-0.23427	-2.57443	0.010889	0.845643
cg19349476	chr13	1.01E+08		0.230863	2.587983	0.010485	0.839481
cg13101314	chr21	47408424		-0.30841	-2.58081	0.010697	0.845214
cg07526227	chr19	51168305		-0.31857	-2.57383	0.010907	0.845643
cg16244889	chr14	94211818	FAM181A;UNC79	-0.37563	-2.57669	0.01082	0.845643
cg25293328	chr19	2611690	GNA15	-0.35097	-2.57466	0.010882	0.845643
cg19441170	chr3	1.83E+08		-0.29315	-2.57664	0.010822	0.845643
cg21971285	chr11	31841818		0.21529	2.589018	0.010455	0.839481
cg08089301	chr17	46655561	ATP5G1;SKAP1;NPEPPS;SP6;ABI3;UBE2Z;PNPO;ENSG00000229944;HOXB4;PRR15L	0.445745	2.569144	0.01105	0.847781
cg13698414	chr7	1131067		-0.24121	-2.57806	0.010779	0.845643
cg05039004	chr1	29586299		0.434217	2.575666	0.010851	0.845643
cg02611811	chr2	2.37E+08	IQCA1;ACKR3	0.375445	2.579602	0.010733	0.845438

cg07829693	chr16	85775278		-0.25907	-2.57786	0.010786	0.845643
cg06506054	chr5	1.49E+08		-0.18715	-2.57578	0.010848	0.845643
cg13551894	chr4	76649299		-0.36491	-2.57106	0.010991	0.847419
cg01576459	chr1	2.28E+08	ITPKB;C1orf95	-0.31385	-2.57803	0.01078	0.845643
cg23967169	chr3	68981503		0.366358	2.572573	0.010945	0.846247
cg12355110	chr19	57617754		0.404301	2.567398	0.011104	0.848578
cg02538089	chr4	4250085		-0.28249	-2.57037	0.011012	0.847781
cg05865548	chr14	1.01E+08		-0.37306	-2.5716	0.010975	0.846796
cg08863775	chr16	16118135		-0.30021	-2.5767	0.01082	0.845643
cg13783434	chr13	1.01E+08		0.311978	2.57169	0.010972	0.846796
cg00875989	chr18	44774054	TCEB3C	0.358481	2.569542	0.011038	0.847781
cg10091798	chr12	46654629		0.304357	2.569878	0.011027	0.847781
cg07277017	chr11	1874093	LSP1	-0.81739	-2.57526	0.010864	0.845643
cg08548396	chr6	30095549	HLA-F;HLA-A;VARS2	0.349407	2.572645	0.010943	0.846247
cg11246938	chr12	1.15E+08	TBX5	0.563933	2.573489	0.010917	0.845643
cg15497724	chr19	51774377		0.444839	2.570838	0.010998	0.84761
cg11268983	chr5	1.4E+08		0.344344	2.568176	0.01108	0.848092
cg25508118	chr2	1.2E+08		-0.941	-2.5843	0.010594	0.843454
cg26300500	chr22	50885288		0.290866	2.578269	0.010773	0.845643
cg05991539	chr6	31692365	VARS2	-0.26317	-2.57008	0.011021	0.847781
cg00579694	chr6	1523080		0.345359	2.580815	0.010697	0.845214
cg02110527	chr16	603934		-0.2277	-2.57551	0.010856	0.845643
cg07603922	chr8	13424184		0.313873	2.567014	0.011115	0.848578
cg23239344	chr2	28569574	ENSG00000229951	-0.35541	-2.57348	0.010917	0.845643

cg20049415	chr20	21377671		0.535394	2.577744	0.010789	0.845643
cg09417683	chr10	26222250		-0.35414	-2.57985	0.010726	0.845438
cg09258553	chr2	2.42E+08	SNED1;ENSG00000233392	-0.38261	-2.56779	0.011091	0.84838
cg01767525	chr18	76262288		0.295976	2.571878	0.010966	0.846538
cg20667729	chr19	43691878		-0.20124	-2.56838	0.011073	0.848051
cg14306366	chr12	31406441		-0.5036	-2.57056	0.011007	0.847781
cg06343673	chr17	78778232		-0.31444	-2.58265	0.010642	0.844274
cg04346701	chr14	60096225		0.3165	2.576865	0.010815	0.845643
cg03555914	chr2	1.22E+08		-0.16785	-2.5722	0.010956	0.846247
cg14278073	chr6	38690735		0.24935	2.569823	0.011029	0.847781
cg00935307	chr4	1581921		-0.37349	-2.58052	0.010706	0.845438
cg01386425	chr12	1.18E+08		0.364694	2.571573	0.010976	0.846796
cg03683250	chr15	66085298		-0.35595	-2.5693	0.011045	0.847781
cg06493166	chr6	1.44E+08		0.419467	2.572131	0.010959	0.846247
cg15412682	chr10	2035312		-0.26523	-2.58025	0.010714	0.845438
cg21803245	chr14	1.05E+08		0.245366	2.569807	0.01103	0.847781
cg10529812	chr17	80350324		-0.33021	-2.57499	0.010872	0.845643
cg06158627	chr4	7768357	CCDC96;KIAA0232	0.284915	2.573535	0.010916	0.845643
cg08322978	chr7	180140		-0.26358	-2.57654	0.010825	0.845643
cg16174121	chr11	47736254		0.404432	2.571076	0.010991	0.847419
cg16113530	chr5	1.15E+08		-0.21746	-2.57392	0.010904	0.845643
cg06447341	chr1	32452930	CCDC28B;LCK;COL16A1;MTMR9LP;YARS;PTP4A2	0.251501	2.572706	0.010941	0.846247

cg05185573	chr6	26598237	ENSG00000261584	0.488646	2.575852	0.010846	0.845643
cg27014435	chr7	1.58E+08	DNAJB6	-0.37415	-2.57605	0.01084	0.845643
cg03197762	chr15	89765952		-0.22586	-2.57505	0.01087	0.845643
cg26279282	chr11	18481032		-0.31082	-2.56985	0.011028	0.847781
cg27535677	chr6	28601365	HIST1H2AK	0.676273	2.568877	0.011058	0.847803
cg09974304	chr16	1374749	BAIAP3	-0.29506	-2.57105	0.010992	0.847419
cg02403283	chr10	518210		0.314079	2.577596	0.010793	0.845643
cg21593409	chr16	88706389		0.47968	2.571108	0.01099	0.847419
cg14928902	chr8	70983532		0.290651	2.573242	0.010925	0.845643
cg04425783	chr14	1.06E+08		0.23252	2.568675	0.011064	0.848051
cg00059240	chr10	3155604		0.296347	2.57671	0.01082	0.845643
cg06300961	chr11	1459507	IGF2	-0.26672	-2.56911	0.011051	0.847781
cg14884760	chr22	50164437		0.389557	2.588923	0.010458	0.839481
cg02554345	chr10	50604569		0.396726	2.566454	0.011133	0.848734
cg21587477	chr7	1.29E+08		0.201497	2.574823	0.010877	0.845643
cg23646044	chr17	42941002	GPATCH8	0.26731	2.567427	0.011103	0.848578
cg19164335	chr12	49485151	KMT2D	0.276139	2.565409	0.011165	0.849699
cg26186134	chr1	6527489		-0.20838	-2.56943	0.011041	0.847781
cg09367817	chr1	1.64E+08		-0.3736	-2.57225	0.010955	0.846247
cg18449050	chr3	1.35E+08		-0.32735	-2.57377	0.010909	0.845643
cg05027533	chr2	1.53E+08	FMNL2;STAM2;ENSG00000213197	0.390776	2.577905	0.010784	0.845643
cg13476077	chr1	2E+08	C1orf106	0.343326	2.573578	0.010915	0.845643
cg15448076	chr12	4380872		-0.28043	-2.57875	0.010759	0.845643
cg03458012	chr8	25266283		-0.46318	-2.56895	0.011056	0.847781

cg14099293	chr6	38607245		0.274431	2.57793	0.010783	0.845643
cg05784951	chr17	80968162		-0.38559	-2.56911	0.011051	0.847781
cg07285896	chr17	79212910		0.181604	2.570721	0.011002	0.847732
cg00184240	chr12	1.23E+08		0.348513	2.570902	0.010996	0.84761
cg08899937	chr4	1333755		0.44735	2.574966	0.010873	0.845643
cg19434303	chr14	1.01E+08		0.245096	2.565744	0.011155	0.849699
cg00450275	chr15	63132689		-0.25657	-2.56538	0.011166	0.849699
cg20660802	chr5	55041		-0.23715	-2.5686	0.011066	0.848051
cg05709162	chr3	1.13E+08		0.383286	2.569024	0.011054	0.847781
cg27393398	chr1	51436046		-0.35432	-2.57429	0.010893	0.845643
cg14560133	chr19	51199453		0.301798	2.572192	0.010957	0.846247
cg01232492	chr3	1.72E+08		-0.23741	-2.57428	0.010893	0.845643
cg00766729	chr19	56136136		-0.33241	-2.57218	0.010957	0.846247
cg04833819	chr17	927551		1.107998	2.565	0.011178	0.849808
cg23712462	chr8	1.4E+08		0.285017	2.564808	0.011184	0.849959
cg05065037	chr9	88969928		0.469056	2.567704	0.011094	0.848438
cg27104822	chr19	10698084		0.364199	2.573875	0.010906	0.845643
cg07211707	chr2	1.32E+08		-0.31907	-2.57272	0.010941	0.846247
cg08609839	chr5	1380611		-0.37897	-2.57207	0.010961	0.846247
cg04972745	chr10	1.01E+08		0.388599	2.569036	0.011053	0.847781
cg23835783	chr7	37991679	EPDR1;TRGV3;TRGV10;TRGV2;ELMO1	-0.38791	-2.56017	0.011328	0.85071
cg19597230	chr2	2.24E+08	KCNE4	-0.48102	-2.57356	0.010915	0.845643

cg22152492	chr6	28554334	GABBR1;SCAND3;ENSG00000272009;HCG14	0.342783	2.56732	0.011106	0.848578
cg08220614	chr19	54491255		-0.2198	-2.57344	0.010919	0.845643
cg16676775	chr1	2.34E+08	COA6	-0.41661	-2.57299	0.010932	0.846063
cg17051395	chr17	78644292		-0.30764	-2.56285	0.011244	0.85071
cg26067250	chr2	1.73E+08		0.269515	2.566543	0.01113	0.848734
cg17237111	chr4	1.15E+08		-0.41231	-2.56671	0.011125	0.848734
cg22167148	chr1	1.2E+08	HIST2H2BA	0.472223	2.590148	0.010422	0.839481
cg12069423	chr10	15254709		-0.34836	-2.56992	0.011026	0.847781
cg16148403	chr4	25161816		-0.24345	-2.56721	0.011109	0.848578
cg11032038	chr16	33965322		0.416676	2.564839	0.011183	0.849959
cg13353152	chr1	1.58E+08		-0.43629	-2.56736	0.011105	0.848578
cg04569082	chr12	1.28E+08	LINC00943	0.421427	2.564023	0.011208	0.850588
cg05931345	chr1	1.51E+08		-0.15593	-2.58736	0.010504	0.839481
cg24995674	chr13	1.11E+08		-0.34717	-2.56247	0.011256	0.85071
cg09830455	chr11	70886197	ANAPC15;LRTOMT;ANO1;IL18BP	-0.36576	-2.56419	0.011203	0.850528
cg04990605	chr9	1.4E+08	RNF224	-0.36511	-2.55996	0.011335	0.85071
cg15600279	chr7	50530230		-0.45895	-2.57581	0.010847	0.845643
cg15990015	chr1	44679006		-0.24875	-2.56694	0.011118	0.848578
cg08150470	chr19	55851237		-0.19312	-2.56842	0.011072	0.848051
cg07992500	chr2	37896583	CDC42EP3;GALM	0.428859	2.566539	0.01113	0.848734
cg19730691	chr1	1.2E+08		0.27671	2.568989	0.011055	0.847781
cg26792687	chr16	22177571		-0.23165	-2.57409	0.010899	0.845643

cg02750792	chr3	39543967		0.562103	2.573731	0.01091	0.845643
cg27302576	chr15	32964759	GREM1	0.3702	2.565284	0.011169	0.849699
cg22208365	chr19	53898269	ZNF808	0.203953	2.565279	0.011169	0.849699
cg19351838	chr12	1.32E+08		0.265314	2.566674	0.011126	0.848734
cg27118929	chr15	69325271		0.515686	2.562866	0.011244	0.85071
cg17700835	chr6	27390890	HIST1H2BO;HIST1H1B;PGBD1;HIST1H3H;HIST1H3J;HIST1H2AG;HIST1H4L;HIST1H2AH	0.397064	2.561273	0.011294	0.85071
cg15726055	chr1	2506027	ARHGEF16	-0.30264	-2.56905	0.011053	0.847781
cg08276062	chr11	1891932		0.307909	2.569887	0.011027	0.847781
cg26620314	chr16	66038809		-0.38529	-2.56818	0.011079	0.848092
cg20130751	chr12	57881856		0.227426	2.564182	0.011203	0.850528
cg08046963	chr14	91072652		0.340134	2.561169	0.011297	0.85071
cg20950529	chr14	54677357		0.404814	2.575243	0.010864	0.845643
cg09689279	chr15	49169965		-0.40574	-2.56931	0.011045	0.847781
cg19509330	chr6	50692371		0.271382	2.573863	0.010906	0.845643
cg18413062	chr11	1.33E+08		-0.42236	-2.56511	0.011174	0.849699
cg16754467	chr6	10426588		0.52612	2.568173	0.01108	0.848092
cg24232030	chr19	6215556		-0.20431	-2.57391	0.010905	0.845643
cg13393711	chr5	1.76E+08		0.274578	2.561182	0.011297	0.85071
cg04249605	chr6	33131560	KIFC1;RPS18;BAK1	-0.36393	-2.56038	0.011322	0.85071
cg26603047	chr16	88838368	TRAPPC2L	-0.2095	-2.56262	0.011252	0.85071
cg17762073	chr6	34024220		-0.4452	-2.56024	0.011326	0.85071

cg27572510	chr17	35474613		-0.4317	-2.56805	0.011084	0.848171
cg23224619	chr2	2.34E+08	EIF4E2;EFHD1	0.466465	2.559577	0.011347	0.85071
cg10550320	chr14	24583914		-0.151	-2.56983	0.011029	0.847781
cg23209990	chr4	55097576		0.41169	2.561616	0.011283	0.85071
cg06016176	chr5	1.57E+08		-0.21755	-2.55863	0.011377	0.85071
ch.1.2988748F	chr1	1.54E+08		-0.23821	-2.57663	0.010822	0.845643
cg14603624	chr9	1.39E+08		-0.3161	-2.56129	0.011293	0.85071
cg11962971	chr15	71616585	ENSG00000260586	0.344613	2.569411	0.011042	0.847781
cg24238356	chr17	47209660	FAM117A	-0.36495	-2.57412	0.010898	0.845643
cg13752649	chr17	46608559		0.39811	2.56379	0.011215	0.850696
cg06922731	chr6	7770019		-0.32237	-2.56227	0.011263	0.85071
cg26729204	chr6	2932241		0.24601	2.562747	0.011248	0.85071
cg18429584	chr12	10264210		-0.38337	-2.56045	0.01132	0.85071
cg11582116	chr1	36348991		-0.19881	-2.56105	0.011301	0.85071
cg17071417	chr19	50962282		0.337384	2.563666	0.011219	0.85071
cg17081570	chr3	51708325		-0.2438	-2.56841	0.011072	0.848051
cg22606736	chr19	3803270		0.326207	2.559701	0.011343	0.85071
cg04651603	chr12	54321302		0.408444	2.562552	0.011254	0.85071
cg16137891	chr11	75047111		-0.23078	-2.56801	0.011085	0.848171
cg14519717	chr14	90744790		0.316023	2.564257	0.011201	0.850528
cg17453603	chr11	93904908		0.306894	2.563342	0.011229	0.85071
cg13614286	chr9	1.31E+08		0.240926	2.557978	0.011397	0.85071
cg04745064	chr6	29416095	TRIM27;SCAND3;TRIM39	-0.4572	-2.56101	0.011302	0.85071
cg18729886	chr14	61788339		-0.16928	-2.55908	0.011363	0.85071

cg18093328	chr2	2.43E+08		0.349954	2.558274	0.011388	0.85071
cg21360975	chr2	2.39E+08		0.354842	2.563399	0.011227	0.85071
cg26468430	chr7	1572571		-0.23028	-2.55564	0.011471	0.85071
cg22442180	chr1	1684399		-0.38076	-2.56343	0.011226	0.85071
cg02085648	chr7	44259913	SNHG15	-0.33104	-2.56396	0.01121	0.850588
cg27087809	chr15	78527410	ACSBG1;DNAJA4;RASGRF1	-0.30525	-2.56701	0.011115	0.848578
cg04276508	chr6	50819054		0.389029	2.560765	0.01131	0.85071
cg09480446	chr7	1.08E+08		0.381709	2.563036	0.011239	0.85071
cg21499685	chr4	1362252		-0.34213	-2.55657	0.011442	0.85071
cg24699895	chr10	71094286		-0.30566	-2.56635	0.011136	0.848734
cg09786321	chr2	3654242		0.315579	2.572248	0.010955	0.846247
cg23299989	chr4	980676		-0.17442	-2.55872	0.011374	0.85071
cg20569652	chr20	36157764		-0.24998	-2.55924	0.011358	0.85071
cg02358630	chr10	71993457		0.224812	2.559166	0.01136	0.85071
cg11783815	chr6	33558433		-0.25366	-2.56099	0.011302	0.85071
cg22328256	chr6	28757381		0.350694	2.560889	0.011306	0.85071
cg27289497	chr16	2298129		-0.26314	-2.5599	0.011337	0.85071
cg13276752	chr17	57970287		-0.26931	-2.57065	0.011004	0.847748
cg18095732	chr13	22033692		-0.28713	-2.56423	0.011201	0.850528
cg19887824	chr6	32797476	HLA-DMB;HLA-DMA;SLC44A4;PSMB9;HLA-DRA	0.567478	2.569558	0.011037	0.847781
cg09026994	chr17	116238	DOC2B	-0.22649	-2.56787	0.011089	0.848349
cg22999864	chr6	1.09E+08		-0.33249	-2.56568	0.011157	0.849699

cg01059449	chr18	44338099	TCEB3C	0.362599	2.557235	0.011421	0.85071
cg25468632	chr5	85913588		-0.37791	-2.55716	0.011423	0.85071
cg19613915	chr5	1.71E+08		0.719079	2.577019	0.010811	0.845643
cg15496005	chr11	1.1E+08		-0.19566	-2.55887	0.011369	0.85071
cg07055879	chr7	1.44E+08		-0.34869	-2.55648	0.011444	0.85071
cg18062025	chr2	1.35E+08		-0.19367	-2.56514	0.011173	0.849699
cg06362729	chr4	1.31E+08		-0.36608	-2.56694	0.011118	0.848578
cg14598143	chr6	26205244		0.321546	2.566514	0.011131	0.848734
cg15555527	chr4	80885981		0.528725	2.560225	0.011326	0.85071
cg25408182	chr21	45431161		-0.27246	-2.56386	0.011213	0.850682
cg08730239	chr12	47226453	RAPGEF3	0.363922	2.557428	0.011415	0.85071
cg26831712	chr10	99240234		-0.28976	-2.56059	0.011315	0.85071
cg08552198	chr16	49309124		0.319104	2.555812	0.011466	0.85071
cg15293750	chr10	17243266		-0.28076	-2.55886	0.01137	0.85071
cg13560200	chr7	44646066	YKT6	-0.23441	-2.55465	0.011502	0.85071
cg13880545	chr9	1.35E+08	ENSG00000224992	-0.39083	-2.56214	0.011266	0.85071
cg22143289	chr19	30019898		0.251768	2.559065	0.011363	0.85071
cg14611555	chr9	90689720		-0.32816	-2.55934	0.011354	0.85071
cg08705882	chr10	94337576	HHEX	-0.32113	-2.56472	0.011186	0.850006
cg27361370	chr3	1.58E+08	ENSG00000243176	0.443719	2.558393	0.011384	0.85071
cg20048260	chr13	1.11E+08		-0.3344	-2.56238	0.011259	0.85071
cg03192163	chr6	1.37E+08		0.414542	2.556615	0.01144	0.85071
cg08240373	chr9	34329106	NUDT2	-0.33826	-2.56431	0.011199	0.850528
cg02071957	chr16	19191409		0.465981	2.559861	0.011338	0.85071
cg25975823	chr19	41860824		-0.24588	-2.56546	0.011164	0.849699

cg26219977	chr1	40043840		-0.31419	-2.55509	0.011488	0.85071
cg06614609	chr5	6605060		-0.26495	-2.55986	0.011338	0.85071
cg12647801	chr11	64028732		0.296043	2.556773	0.011435	0.85071
cg12667521	chr19	29218732		-0.80046	-2.55658	0.011441	0.85071
cg11237734	chr11	27528142	ENSG00000240036	-0.16102	-2.56159	0.011284	0.85071
cg04890851	chr15	96952237		0.341476	2.556376	0.011448	0.85071
cg18505670	chr6	1.69E+08		-0.33194	-2.56522	0.011171	0.849699
cg06785720	chr16	89109464	CYBA	0.313177	2.562769	0.011247	0.85071
cg19995117	chr12	2880862		-0.34888	-2.55645	0.011445	0.85071
cg15061231	chr3	1.86E+08	ENSG00000171658	-0.42914	-2.56737	0.011104	0.848578
cg23033402	chr15	1.02E+08		-0.20146	-2.56944	0.011041	0.847781
cg13493620	chr9	1.29E+08		-0.25466	-2.56259	0.011253	0.85071
cg06641607	chr1	2.33E+08		0.304698	2.576652	0.010822	0.845643
cg23077029	chr6	1.08E+08	RTN4IP1;SCML4	0.297491	2.568501	0.01107	0.848051
cg11590213	chr5	66331682		-0.37205	-2.55854	0.011379	0.85071
cg18077580	chr7	96655798		0.362958	2.562664	0.01125	0.85071
cg04604666	chr4	37828046	ENSG00000231160	-0.23418	-2.56128	0.011294	0.85071
cg01857019	chr15	57210107		0.385496	2.562651	0.011251	0.85071
cg05233128	chr19	3659669		-0.32238	-2.55966	0.011344	0.85071
cg08806408	chr16	51185001		0.336062	2.557365	0.011417	0.85071
cg01087645	chr16	28503407		0.216384	2.551638	0.011599	0.85086
cg17748167	chr1	31769917	BAI2	-0.21862	-2.55811	0.011393	0.85071
cg01789705	chr16	27500975		0.289165	2.556156	0.011455	0.85071
cg25396464	chr19	14953187		-0.18855	-2.55876	0.011372	0.85071
cg02431597	chr1	1.81E+08		0.375479	2.550852	0.011624	0.85086

ch.10.1999173F	chr10	95990357		0.399482	2.552031	0.011586	0.85086
cg00708215	chr9	1.4E+08		-0.193	-2.55571	0.011469	0.85071
cg06886059	chr11	1.09E+08		-0.27554	-2.56079	0.011309	0.85071
cg20900801	chr15	32163145		0.20863	2.560916	0.011305	0.85071
cg23102014	chr15	70574295	CT62;KIF23;LRRC49;PAQR5;ENSG00000259641;ENSG00000259426	-0.48952	-2.56303	0.011239	0.85071
cg27117476	chr14	47120795		-0.37687	-2.56058	0.011315	0.85071
cg25060339	chr14	1.05E+08		-0.38088	-2.55997	0.011334	0.85071
cg23116670	chr14	1.02E+08	ANKRD9	-0.21104	-2.55418	0.011518	0.85071
cg23973801	chr20	3141496	HSPA12B;ADAM33;SLC4A11	-0.32434	-2.55421	0.011517	0.85071
cg21184256	chr11	1.25E+08		0.37446	2.562913	0.011242	0.85071
cg08447934	chr12	52311706	BIN2;GALNT6;GRASP	-0.17766	-2.55499	0.011492	0.85071
cg14114267	chr2	1.75E+08	WIPF1;CHN1	-0.50945	-2.55953	0.011348	0.85071
cg14330585	chr9	3180869	VLDLR	0.331067	2.557571	0.01141	0.85071
cg23310314	chr10	94051238		-0.18683	-2.55652	0.011443	0.85071
cg25744214	chr10	72164137		0.205798	2.560993	0.011302	0.85071
cg20128365	chr8	1.19E+08		0.490367	2.55865	0.011376	0.85071
cg04872610	chr1	1.14E+08	OLFML3	0.319951	2.553915	0.011526	0.85086
cg18894666	chr14	77495072		0.197842	2.554545	0.011506	0.85071
cg11432443	chr1	6548491		-0.27501	-2.55524	0.011484	0.85071
cg05435212	chr3	27632180		-0.49279	-2.56024	0.011326	0.85071
cg16049391	chr15	83954395	CPEB1	-0.55462	-2.55611	0.011456	0.85071

cg23502966	chr3	1.96E+08		0.433048	2.555855	0.011464	0.85071
cg13583309	chr14	54955792		0.207234	2.557103	0.011425	0.85071
cg18740509	chr5	1.77E+08		0.300221	2.558022	0.011396	0.85071
cg19907796	chr2	71134694		0.32185	2.560857	0.011307	0.85071
cg11497870	chr5	1.76E+08		-0.25584	-2.55575	0.011468	0.85071
cg21368609	chr8	91803657		0.316239	2.5608	0.011308	0.85071
cg14902168	chr4	1.86E+08		-0.2696	-2.5591	0.011362	0.85071
cg06192866	chr12	89748300		0.316819	2.551088	0.011616	0.85086
cg18593210	chr17	81021770	TBCD;WDR45B	-0.28544	-2.56545	0.011164	0.849699
cg26390889	chr5	33936462	TARS;DNAJC21;TTC23L	0.323369	2.5593	0.011356	0.85071
cg17994050	chr6	30029062		-0.29437	-2.55006	0.011649	0.85086
cg23195510	chr16	67678593	RLTPR;ZDHHC1;GFOD2;CMTM4;TPPP3;CES4A;TSNAXIP1;RANBP10;SMPD3;ENKD1;RRAD	0.285017	2.557051	0.011426	0.85071
cg03965795	chr10	1.02E+08		0.283773	2.565267	0.011169	0.849699
cg00712409	chr1	33358057		-0.26242	-2.55065	0.01163	0.85086
cg08839267	chr3	1.33E+08		0.217031	2.563583	0.011222	0.85071
ch.12.1940337R	chr12	98721792		-0.41116	-2.55799	0.011397	0.85071
cg00896043	chr19	1228271		0.272955	2.566356	0.011136	0.848734
ch.8.1995451R	chr8	98920744		-0.45614	-2.55084	0.011624	0.85086
cg20556951	chr17	45934112		-0.2506	-2.55587	0.011464	0.85071
cg01200087	chr17	47865949		-0.23658	-2.55705	0.011426	0.85071

cg08529848	chr11	59383689		0.255989	2.55564	0.011471	0.85071
cg25685262	chr13	28493316		0.300544	2.55825	0.011389	0.85071
cg07812589	chr16	49195595		-0.3629	-2.55359	0.011536	0.85086
cg13565157	chr12	54943009		0.388551	2.551178	0.011613	0.85086
cg13955758	chr9	1.23E+08		-0.27266	-2.55415	0.011519	0.85071
cg18530712	chr2	1700694		-0.30151	-2.56015	0.011329	0.85071
cg05333149	chr22	29660173		0.155473	2.555657	0.011471	0.85071
cg06602871	chr16	66466186		-0.33371	-2.54929	0.011674	0.85086
cg04278162	chr6	30182172		-0.21998	-2.55651	0.011444	0.85071
cg17641028	chr4	1.57E+08		-0.33889	-2.55817	0.011391	0.85071
cg01161877	chr5	1.59E+08		-0.41431	-2.55237	0.011575	0.85086
cg10546176	chr5	34929404		0.232443	2.555313	0.011482	0.85071
cg05082493	chr10	29011520	ENSG00000229605	0.263703	2.555817	0.011465	0.85071
cg15862841	chr14	1.01E+08	CYP46A1;SLC25A29	0.297665	2.554929	0.011494	0.85071
cg07139811	chr2	1.76E+08		-0.18856	-2.55072	0.011628	0.85086
cg06139836	chr10	1.32E+08		-0.269	-2.55388	0.011527	0.85086
cg12973591	chr7	93519473		-0.33345	-2.5547	0.011501	0.85071
cg02446073	chr5	1.71E+08		0.263555	2.552333	0.011576	0.85086
cg21637884	chr3	57530016		0.219265	2.549674	0.011662	0.85086
cg13435792	chr12	15092434	ERP27	0.372054	2.556529	0.011443	0.85071
cg26538214	chr10	3827359		-0.21014	-2.54772	0.011725	0.851825
cg14352442	chr2	1.71E+08		-0.15432	-2.55379	0.01153	0.85086
cg25574227	chr10	73153701		-0.23912	-2.54984	0.011656	0.85086
cg01016459	chr16	53468960		-0.3832	-2.55318	0.011549	0.85086

cg23066057	chr15	62537934		-0.34505	-2.55553	0.011475	0.85071
cg23144376	chr22	46765431		-0.37595	-2.55699	0.011428	0.85071
cg12488586	chr5	1.78E+08		0.379665	2.564015	0.011208	0.850588
cg06769954	chr2	70376798		-0.5139	-2.56259	0.011253	0.85071
cg20253561	chr1	2.38E+08		-0.36451	-2.56514	0.011173	0.849699
cg00175987	chr18	72342044		-0.38842	-2.56049	0.011318	0.85071
cg04930630	chr16	86542422		0.470064	2.553231	0.011548	0.85086
cg06292444	chr8	42611544		0.247313	2.552911	0.011558	0.85086
cg21906911	chr17	18169035		-0.30679	-2.55061	0.011632	0.85086
cg09214112	chr14	99584421		0.390943	2.550752	0.011627	0.85086
cg20306425	chr17	2599789		-0.26873	-2.56057	0.011316	0.85071
cg17316096	chr7	1.58E+08		-0.43922	-2.55125	0.011611	0.85086
cg13602274	chr6	37667518	MDGA1	-0.41452	-2.54623	0.011773	0.852087
cg04139449	chr6	45631407		0.366358	2.560834	0.011307	0.85071
cg03474702	chr18	12030535	IMPA2;CEP192;CHMP1B;GNAL	-0.35591	-2.56136	0.011291	0.85071
cg12839080	chr6	63984054		-0.27579	-2.55787	0.011401	0.85071
cg18231267	chr1	25229099		-0.34939	-2.55439	0.011511	0.85071
cg26831081	chr20	60640969		-0.16153	-2.54931	0.011673	0.85086
cg22599477	chr4	25507245		0.684022	2.551308	0.011609	0.85086
cg26920587	chr17	47841694		-0.28628	-2.55201	0.011587	0.85086
cg16576083	chr14	1.05E+08		-0.36081	-2.55227	0.011578	0.85086
cg00958676	chr8	9911641		0.172622	2.550087	0.011648	0.85086
cg10217449	chr4	44727930		-0.46582	-2.55839	0.011384	0.85071
cg01831767	chr12	1.12E+08	RN7SKP71	-0.20742	-2.552	0.011587	0.85086

cg27148665	chr15	40697782		-0.28056	-2.55987	0.011338	0.85071
cg10885876	chr6	1.63E+08		0.328818	2.554291	0.011514	0.85071
cg14577670	chr2	84105315		-0.27212	-2.55075	0.011627	0.85086
cg22211092	chr3	1.56E+08		0.432333	2.547899	0.011719	0.851825
cg07311694	chr11	68437927		-0.29157	-2.55232	0.011577	0.85086
cg16584393	chr18	14747888		0.500366	2.551604	0.0116	0.85086
cg20300093	chr3	1.23E+08	PARP15;ADCY5;PDIA5	0.227924	2.555842	0.011465	0.85071
cg24228012	chr4	1.57E+08		0.236627	2.548765	0.011691	0.850884
cg26694990	chr6	32141146	RPL32P1	0.275983	2.55562	0.011472	0.85071
ch.15.811911R	chr15	59455505		0.35757	2.554966	0.011493	0.85071
cg16253115	chr19	33781998	C19orf40	-0.30131	-2.55273	0.011564	0.85086
cg14652549	chr2	1.82E+08		-0.2325	-2.54836	0.011704	0.851666
cg17822807	chr7	31107864		-0.34566	-2.55311	0.011552	0.85086
cg25260255	chr6	31670897	HLA-DQB1	-0.20014	-2.5515	0.011603	0.85086
cg23642826	chr1	6645463		-0.20584	-2.54952	0.011667	0.85086
cg24311947	chr1	28286409		0.16945	2.552271	0.011578	0.85086
cg26679004	chr10	88023135		0.563923	2.547152	0.011743	0.851825
cg23593145	chr1	1.11E+08		-0.18519	-2.55139	0.011607	0.85086
cg16175703	chr2	1.73E+08	METTL8;ITGA6;SLC25A12;RAPGEF4;ENSG00000225205	0.413581	2.557808	0.011403	0.85071
cg14091589	chr4	1.13E+08	ANK2	0.261091	2.558171	0.011391	0.85071
cg03776034	chr3	1.54E+08		0.229211	2.549503	0.011667	0.85086
cg26072906	chr1	2.13E+08		0.285223	2.553308	0.011545	0.85086

cg16661234	chr17	10541620		-0.32677	-2.55846	0.011382	0.85071
cg17526229	chr11	20177746	ZDHHC13	0.330907	2.556275	0.011451	0.85071
cg05537170	chr16	89162885		-0.27177	-2.55442	0.01151	0.85071
cg26248066	chr11	70303464	SHANK2	-0.5125	-2.55007	0.011649	0.85086
cg00014998	chr2	1.77E+08		0.32037	2.549302	0.011674	0.85086
cg23498254	chr5	1270152	ENSG00000232615	0.220903	2.556608	0.01144	0.85071
cg20303232	chr11	1.14E+08		0.295999	2.554601	0.011504	0.85071
cg18497811	chr4	14860861		-0.37371	-2.55048	0.011636	0.85086
cg23888240	chr15	72766291		-0.24903	-2.55479	0.011498	0.85071
cg12680719	chr3	29964869		-0.48358	-2.55206	0.011585	0.85086
cg04388767	chr16	89177789	GALNS	0.260812	2.547568	0.01173	0.851825
cg14821401	chr19	12273649		0.352736	2.54514	0.011809	0.852652
cg27298570	chr16	8623004		-0.31836	-2.54928	0.011674	0.85086
cg25823710	chr6	31603183		-0.18585	-2.55306	0.011553	0.85086
cg11305058	chr6	31509624		-0.2485	-2.54942	0.01167	0.85086
cg09991425	chr13	22622515		0.262073	2.549321	0.011673	0.85086
cg17939935	chr15	59646854		-0.29489	-2.5458	0.011787	0.852442
cg26343298	chr8	95960752		0.352584	2.548753	0.011691	0.850884
cg21174750	chr9	1.16E+08		0.233919	2.556993	0.011428	0.85071
cg24366913	chr2	61765510	PUS10	-0.29132	-2.54349	0.011862	0.852652
cg22987078	chr20	62550653		-0.25752	-2.55558	0.011473	0.85071
cg25713309	chr19	17337319		0.158539	2.547159	0.011743	0.851825
cg06820541	chr14	61185926		0.359107	2.552824	0.011561	0.85086
cg10103906	chr11	1.26E+08		-0.41397	-2.54992	0.011654	0.85086
cg14586258	chr2	66823365		-0.4204	-2.5517	0.011597	0.85086

cg26038465	chr22	38610514	SOX10	0.258863	2.55369	0.011533	0.85086
cg24069935	chr14	74226554		-0.22188	-2.55307	0.011553	0.85086
cg02715592	chr2	1.34E+08		-0.25555	-2.55139	0.011607	0.85086
cg27485334	chr17	4336413		-0.28659	-2.54481	0.011819	0.852652
cg22000330	chr17	14204485		-0.22181	-2.55081	0.011625	0.85086
cg16523655	chr6	30103301		-0.33913	-2.54901	0.011683	0.850871
cg00084338	chr6	1.71E+08		-0.64338	-2.55411	0.01152	0.85071
cg06774445	chr1	36793290		-0.24938	-2.54996	0.011653	0.85086
cg09869357	chr1	12613315		0.269074	2.554654	0.011502	0.85071
cg13250324	chr6	1.71E+08		-0.41435	-2.54497	0.011814	0.852652
cg15900519	chr3	12883503		-0.23906	-2.54594	0.011782	0.852377
cg15063715	chr1	10857436		-0.32217	-2.5518	0.011594	0.85086
cg08592527	chr10	98740981		-0.29297	-2.54181	0.011917	0.852652
ch.17.1730525R	chr17	65196202		-0.34518	-2.55532	0.011481	0.85071
cg07416325	chr2	1.25E+08		-0.29905	-2.54459	0.011826	0.852652
cg07308232	chr7	1071921		0.333271	2.549167	0.011678	0.85086
cg05484093	chr3	1.1E+08		-0.43739	-2.54905	0.011682	0.850871
cg07012062	chr11	76831780	ENSG00000255135	-0.28009	-2.54697	0.011749	0.851825
cg05231706	chr7	6441810		0.299179	2.547067	0.011746	0.851825
cg02009794	chr12	1.31E+08		0.344623	2.547957	0.011717	0.851825
cg03711675	chr2	68869106		0.333382	2.549971	0.011652	0.85086

			TAL1;TMEM69;TSPAN1;PRDX1;IPP;GPBP1L1;STIL;AKR1A1;ENSG00000225154;CYP4B1				
cg05050657	chr1	46957105		0.320913	2.548852	0.011688	0.850884
cg04524770	chr16	946408		-0.2036	-2.54748	0.011732	0.851825
cg13406893	chr12	1.32E+08	GPR133	-0.67135	-2.55288	0.011559	0.85086
cg17725100	chr1	1.11E+08		-0.35316	-2.55093	0.011621	0.85086
cg14520280	chr1	2.43E+08		0.546897	2.5438	0.011852	0.852652
cg13098071	chr1	1.56E+08	SH2D2A	0.392586	2.556879	0.011432	0.85071
cg27091380	chr10	1.01E+08		0.211366	2.546561	0.011762	0.851825
cg14021373	chr9	1.24E+08		-0.28414	-2.56698	0.011116	0.848578
cg15576012	chr18	47117416		-0.32195	-2.54713	0.011744	0.851825
cg06923531	chr19	14542965		0.317765	2.553684	0.011533	0.85086
cg13582816	chr4	85404099		0.312871	2.550516	0.011635	0.85086
ch.5.3165702R	chr5	1.67E+08		-0.35239	-2.54675	0.011756	0.851825
cg09746044	chr15	44221832	TRIM69	-0.2331	-2.55121	0.011612	0.85086
cg26628821	chr11	12695578		-0.18674	-2.54683	0.011754	0.851825
cg03009397	chr11	278538		0.235875	2.55442	0.01151	0.85071
cg18691434	chr7	99775425		0.309391	2.547218	0.011741	0.851825
cg11328677	chr7	1.55E+08		-0.24022	-2.54569	0.011791	0.852442
cg08651124	chr1	23519990		-0.29062	-2.5463	0.011771	0.852087
			ENSG00000260033;ENSG00000261267				
cg03333188	chr16	49496733		0.220572	2.548856	0.011688	0.850884

cg15606388	chr17	42219409		0.190131	2.544935	0.011815	0.852652
cg20167074	chr1	1.52E+08	SELENBP1	-0.35223	-2.54709	0.011745	0.851825
cg25540845	chr19	1104476		-0.20588	-2.54443	0.011832	0.852652
cg18574144	chr19	2791705		0.244772	2.54423	0.011838	0.852652
cg06021189	chr6	28872284		-0.23993	-2.547	0.011748	0.851825
cg00475509	chr3	1.47E+08		0.225407	2.551157	0.011614	0.85086
cg12025690	chr13	1.08E+08		-0.30741	-2.55536	0.01148	0.85071
cg26687567	chr3	1.87E+08		0.287236	2.558035	0.011395	0.85071
cg14246335	chr13	84456547		0.321333	2.544741	0.011822	0.852652
cg02570004	chr2	48133748	FBXO11	-0.17624	-2.54361	0.011859	0.852652
cg25480379	chr19	58514497	ZIK1;ZSCAN18;ZNF671;ZNF418;ZSCAN1;ZNF135;ENSG00000176593;ZNF154;ZNF773;ZNF549;ZNF134;ZNF606	0.260879	2.539843	0.011982	0.854151
cg04186980	chr5	79953697		-0.32476	-2.54564	0.011792	0.852442
cg12806797	chr12	14926572		0.393899	2.54495	0.011815	0.852652
cg11807529	chr1	17958884	PADI2;PADI3	0.490263	2.54739	0.011736	0.851825
cg23065715	chr2	2.2E+08		0.265181	2.542555	0.011893	0.852652
cg10766373	chr6	71666121		0.305903	2.54478	0.01182	0.852652
cg21521784	chr19	30716329		0.284048	2.547311	0.011738	0.851825
cg16443939	chr10	1.02E+08		-0.30171	-2.54317	0.011873	0.852652
cg12382045	chr11	18610448		-0.26545	-2.54913	0.011679	0.85086
cg04211501	chr16	85966435		-0.40854	-2.54321	0.011872	0.852652

cg21919492	chr7	1.43E+08		-0.30176	-2.5459	0.011784	0.852377
cg25471987	chr10	45123607		-0.41505	-2.54359	0.011859	0.852652
cg15198739	chr22	26908541		-0.20439	-2.5454	0.0118	0.852652
cg01251414	chr14	59927583		-0.29859	-2.55746	0.011413	0.85071
cg16304950	chr18	5543945		0.227362	2.54982	0.011657	0.85086
cg07087686	chr1	47691845		0.223345	2.541668	0.011922	0.852652
cg01554235	chr1	1.69E+08	ENSG00000234604	0.2655	2.552598	0.011568	0.85086
cg16936944	chr6	31695970	TNXB;C6orf48	0.273084	2.540815	0.01195	0.853149
cg25560009	chr8	1.44E+08	ENSG00000247317	0.32103	2.543068	0.011876	0.852652
cg25587350	chr4	88777309		-0.28917	-2.5501	0.011648	0.85086
cg08892600	chr1	2.24E+08		-0.32262	-2.54151	0.011927	0.852652
cg27266425	chr19	38893620		-0.18801	-2.54208	0.011909	0.852652
cg02488871	chr2	2.19E+08		0.238779	2.544509	0.011829	0.852652
cg23823660	chr10	77542429		0.333866	2.544833	0.011819	0.852652
cg06869755	chr11	68199683		0.293441	2.541827	0.011917	0.852652
cg13181695	chr2	31749899	EHD3;DPY30;LCLAT1;SRD5A2	0.340754	2.555345	0.01148	0.85071
cg00334177	chr6	28511757		0.39815	2.549361	0.011672	0.85086
cg03541903	chr5	1.31E+08		0.435056	2.541512	0.011927	0.852652
cg14990366	chr2	1.53E+08		-0.38804	-2.54297	0.011879	0.852652
cg17242353	chr18	76189809		0.334352	2.549178	0.011678	0.85086
cg04648087	chr9	1.36E+08		-0.33569	-2.53717	0.012071	0.854782
cg03251054	chr16	81069293		0.391018	2.540302	0.011967	0.85348
cg27524580	chr1	10714469		-0.35177	-2.54371	0.011855	0.852652

cg24253136	chr11	34535140	ELF5;CD44;LMO2;ENSG00000251194;ENSG00000184566;CD59	0.505641	2.548051	0.011714	0.851825
cg21429394	chr12	1.01E+08		0.236566	2.544603	0.011826	0.852652
cg17473794	chr19	9695226		-0.18816	-2.54615	0.011776	0.852091
cg19583379	chr17	78387643	CCDC40	0.293128	2.538049	0.012041	0.854416
cg14471244	chr14	80677608	DIO2	0.296839	2.542174	0.011905	0.852652
cg00938672	chr8	1.21E+08	ENPP2;SNTB1	-0.16207	-2.54469	0.011823	0.852652
cg23676302	chr2	1.77E+08		0.315929	2.545568	0.011795	0.852442
cg11906038	chr17	72450232		0.192436	2.542913	0.011881	0.852652
cg17228942	chr11	7041930		0.509368	2.535422	0.012129	0.854845
cg01790367	chr1	2.05E+08		-0.24725	-2.54652	0.011764	0.851825
cg23370466	chr5	1.81E+08		0.296678	2.547662	0.011727	0.851825
cg14330119	chr7	73668867	LIMK1;CLIP2;ENSG00000232415;GTF2IRD2	-0.17683	-2.5416	0.011924	0.852652
cg18183774	chr15	75200015		-0.30564	-2.54249	0.011895	0.852652
cg04825263	chr20	58515566		-0.15604	-2.55087	0.011623	0.85086
cg23504701	chr19	38210135	ZNF383;ZNF571-AS1	-0.30948	-2.53792	0.012046	0.854416
cg07169439	chr1	10874315		-0.3095	-2.53895	0.012012	0.854416
cg17797229	chr13	1.11E+08		0.588071	2.5421	0.011908	0.852652
cg20818528	chr17	4510743		-0.39605	-2.54232	0.011901	0.852652
cg00486340	chr4	4860026		0.298448	2.546676	0.011759	0.851825
cg21013745	chr4	7512425	ABLIM2	-0.31299	-2.54184	0.011916	0.852652

cg05621273	chr16	81070150		0.256938	2.54032	0.011966	0.85348
cg20969846	chr20	61570221		0.293914	2.550045	0.01165	0.85086
cg24620436	chr7	4918906		-0.62986	-2.54999	0.011652	0.85086
cg15125472	chr19	36248077		0.294479	2.541804	0.011918	0.852652
cg06297554	chr10	395173		-0.27178	-2.53875	0.012018	0.854416
cg08916879	chr7	2946518	CARD11	-0.33737	-2.54918	0.011678	0.85086
cg02455232	chr9	1.39E+08		0.300976	2.538118	0.012039	0.854416
cg24003306	chr5	1799717		-0.21463	-2.53699	0.012077	0.854782
cg26292150	chr3	1.96E+08		0.301042	2.546787	0.011755	0.851825
cg03297192	chr17	32611642		0.253377	2.53421	0.012169	0.854845
cg20732626	chr19	40562022	GMFG	-0.21992	-2.54651	0.011764	0.851825
ch.17.1575954R	chr17	59575089		0.352063	2.543095	0.011875	0.852652
cg06156448	chr1	1.55E+08		-0.2023	-2.54372	0.011855	0.852652
cg02265758	chr5	767440		0.2758	2.542142	0.011907	0.852652
cg15029402	chr3	1.84E+08		-0.32164	-2.53948	0.011994	0.854416
cg24869272	chr11	850296		0.307314	2.533218	0.012202	0.854845
cg24006654	chr1	41131970		0.303778	2.54304	0.011877	0.852652
cg10492202	chr10	1.35E+08		0.239985	2.541551	0.011926	0.852652
cg08543721	chr4	1.75E+08		0.480815	2.540841	0.011949	0.853149
cg16153547	chr2	74725925	TET3	0.274186	2.547371	0.011736	0.851825
cg05840707	chr5	1.74E+08		-0.35146	-2.54204	0.01191	0.852652
cg04723679	chr15	62548919		-0.27584	-2.5547	0.011501	0.85071
cg19028804	chr1	2.03E+08		-0.24768	-2.53941	0.011997	0.854416
cg26430984	chr5	1.78E+08		-0.23951	-2.55257	0.011569	0.85086
cg15454820	chr10	96990858		0.675266	2.538333	0.012032	0.854416

cg15310492	chr11	30038677		0.595555	2.543925	0.011848	0.852652
cg11675881	chr10	1.02E+08		0.423431	2.537604	0.012056	0.854681
cg22834771	chr12	69754056		-0.3652	-2.54396	0.011847	0.852652
cg01509065	chr8	11550554		0.299941	2.542709	0.011888	0.852652
cg26748477	chr17	38516415	CASC3;GSDMB	-0.25455	-2.54085	0.011949	0.853149
cg22034432	chr1	85040327		-0.38012	-2.5386	0.012023	0.854416
cg12474054	chr18	76720981		-0.26412	-2.55032	0.011641	0.85086
cg23426912	chr6	30920836	LST1	-0.27273	-2.54377	0.011853	0.852652
cg17510564	chr2	2.4E+08		-0.36891	-2.54414	0.011841	0.852652
cg14629348	chr2	65455242		-0.21133	-2.54739	0.011735	0.851825
cg00698575	chr9	1.4E+08	C9orf139	-0.30783	-2.53815	0.012038	0.854416
cg04508701	chr6	1.38E+08		0.273971	2.539523	0.011993	0.854416
cg23297972	chr21	32624145		-0.28329	-2.54398	0.011846	0.852652
cg01977413	chr3	1.7E+08	CLDN11;TNIK;SLC7A14;GPR160	-0.38937	-2.54621	0.011774	0.852087
cg13208562	chr21	34603264		-0.36836	-2.5467	0.011758	0.851825
cg08930881	chr10	99735202		0.439457	2.542567	0.011893	0.852652
cg08632767	chr15	25923673	GABRB3	-0.30056	-2.53632	0.012099	0.854782
cg04003047	chr4	26859326		0.150334	2.539367	0.011998	0.854416
cg19460909	chr13	1.13E+08	ATP11A	-0.24577	-2.54966	0.011662	0.85086
cg15063726	chr11	6452369	DNHD1	0.221934	2.536564	0.012091	0.854782
cg18935832	chr13	1.15E+08		0.258727	2.547054	0.011746	0.851825
cg23637494	chr3	1.39E+08	MRAS	0.378351	2.538113	0.012039	0.854416
cg26922038	chr14	23823028	ADCY4;DHRS4L2	-0.23853	-2.54161	0.011924	0.852652
cg14572808	chr19	2122047		-0.24549	-2.538	0.012043	0.854416

cg17290636	chr17	80831534		-0.35395	-2.5427	0.011888	0.852652
cg23617848	chr12	1.31E+08	GPR133	-0.51739	-2.54319	0.011872	0.852652
cg24171239	chr11	1.09E+08	EXPH5;C11orf65;SLC35F2;DDX10	0.460259	2.541129	0.01194	0.852979
cg04001935	chr2	27294705		-0.19978	-2.53767	0.012054	0.854681
cg09036621	chr11	1.3E+08	DDX18P5;ENSG00000272412	-0.34415	-2.5445	0.011829	0.852652
cg20577479	chr1	44435428		0.230985	2.543239	0.011871	0.852652
cg07964553	chr4	1.13E+08		-0.40975	-2.53874	0.012019	0.854416
cg27152190	chr16	50096867		0.185336	2.54289	0.011882	0.852652
cg16781264	chr2	1.01E+08		0.459608	2.53288	0.012214	0.854845
cg14395892	chr9	79499202		-0.37956	-2.53944	0.011996	0.854416
cg22534105	chr1	12078836		-0.30673	-2.54025	0.011969	0.85348
cg12217954	chr11	33474484	PIGCP1	-0.30897	-2.53797	0.012044	0.854416
cg01333011	chr12	28124665	TM7SF3;ENSG00000247903	-0.56124	-2.53651	0.012093	0.854782
cg11044823	chr5	64858848		-0.31465	-2.53716	0.012071	0.854782
cg11853320	chr13	28493913		0.298113	2.538356	0.012031	0.854416
cg12994233	chr11	69456562		0.229064	2.544287	0.011836	0.852652
cg01244134	chr2	25426151		-0.1915	-2.54199	0.011912	0.852652
cg13386109	chr6	1318667		-0.34465	-2.53794	0.012045	0.854416
cg19821475	chr12	1.32E+08		-0.34011	-2.54163	0.011923	0.852652
cg14138312	chr9	6869699		0.163254	2.545571	0.011795	0.852442
ch.10.54387284R	chr10	54717278		0.369999	2.542245	0.011903	0.852652
cg05810536	chr7	62528691	ENSG00000214652	0.273867	2.534613	0.012156	0.854845

cg10954469	chr2	71115370		0.613681	2.538496	0.012027	0.854416
cg07141142	chr3	1.79E+08		-0.24477	-2.54772	0.011725	0.851825
cg23939932	chr2	2.43E+08		0.273199	2.539131	0.012006	0.854416
cg05769349	chr12	1.15E+08		0.276462	2.532481	0.012227	0.854845
cg04242650	chr17	40127892		-0.2153	-2.53954	0.011992	0.854416
cg22862319	chr1	3289994	TP73-AS1	-0.37385	-2.53507	0.01214	0.854845
cg07068358	chr16	25879737		0.430879	2.535436	0.012128	0.854845
cg14287443	chr2	3497093		0.295168	2.536601	0.01209	0.854782
cg01518357	chr15	65822686	MAP2K1	0.248737	2.541069	0.011942	0.852979
cg06836406	chr9	1.3E+08		0.309846	2.530465	0.012295	0.854926
cg27381557	chr7	4152953		-0.30928	-2.53624	0.012101	0.854815
cg23296392	chr10	72648329		-0.18869	-2.53107	0.012275	0.854845
cg26377630	chr11	1.31E+08		0.315869	2.531812	0.01225	0.854845
cg00871381	chr19	3879827		0.499418	2.536373	0.012097	0.854782
cg15077873	chr11	33691032		-0.28851	-2.53081	0.012283	0.854845
cg06239450	chr16	25118229		0.156123	2.536106	0.012106	0.854845
cg19272617	chr20	46415489		-0.19047	-2.53439	0.012163	0.854845
cg13865810	chr9	1.02E+08		0.281119	2.540664	0.011955	0.853361
cg22970435	chr6	44310228		0.211964	2.538163	0.012038	0.854416
cg16692732	chr4	99578720		-0.36006	-2.52806	0.012377	0.856047
cg06765172	chr22	36714496		-0.31348	-2.53751	0.012059	0.854681
cg27631638	chr2	1.39E+08		-0.27444	-2.5365	0.012093	0.854782
cg17420036	chr1	22182143		0.377629	2.544359	0.011834	0.852652
cg11248857	chr1	41251225		0.213195	2.541353	0.011932	0.852882
cg20297053	chr16	410274		-0.24383	-2.53243	0.012229	0.854845

cg20569070	chr2	2.33E+08		0.269604	2.536666	0.012087	0.854782
cg07223990	chr13	1.09E+08		0.375648	2.540266	0.011968	0.85348
cg26201787	chr12	77157648		-0.19475	-2.53319	0.012203	0.854845
cg27496793	chr2	46926433		-0.24437	-2.53788	0.012047	0.854416
cg03099832	chr4	1.43E+08		-0.40046	-2.53643	0.012095	0.854782
cg11086415	chr2	1.78E+08		-0.23968	-2.53457	0.012157	0.854845
cg15907965	chr10	89430272		-0.29162	-2.54342	0.011865	0.852652
cg13324311	chr7	1.56E+08		-0.34178	-2.53428	0.012167	0.854845
cg18294646	chr5	33937876		0.407944	2.534379	0.012164	0.854845
cg26797158	chr1	2.37E+08		0.730953	2.53236	0.012231	0.854845
cg07451926	chr11	1.25E+08		0.452427	2.532096	0.01224	0.854845
cg04850059	chr1	2.26E+08	TMEM63A	-0.31243	-2.53699	0.012077	0.854782
cg19092620	chr1	1.98E+08		-0.17952	-2.5431	0.011875	0.852652
cg21661392	chr19	19735040		-0.28323	-2.53379	0.012183	0.854845
cg27092986	chr12	7858592		0.564589	2.529793	0.012318	0.855722
cg24329658	chr6	30122023		0.333871	2.53253	0.012226	0.854845
cg15703790	chr1	1993510		0.292436	2.535828	0.012115	0.854845
cg25786651	chr7	1.51E+08	WDR86	-0.22315	-2.53096	0.012278	0.854845
cg20482280	chr14	1.06E+08	C14orf79;ADSSL1;INF2;TMEM121;ENSG00000251602	0.507885	2.533723	0.012185	0.854845
cg08989441	chr17	10633067		0.15676	2.538732	0.012019	0.854416
cg26853126	chr12	1.07E+08		0.31692	2.533425	0.012195	0.854845
cg17725968	chr4	96761026		0.309258	2.535703	0.012119	0.854845
cg09833911	chr16	88701212	SLC7A5	-0.19379	-2.53739	0.012063	0.854782

cg17783086	chr17	62775188	0.335911	2.534487	0.01216	0.854845
cg24156716	chr5	1.37E+08	0.279352	2.540168	0.011971	0.853529
cg05012551	chr19	44716634	0.375114	2.53388	0.01218	0.854845
cg19597382	chr4	1.48E+08	0.360086	2.532572	0.012224	0.854845
cg16955318	chr11	1.24E+08	-0.2227	-2.53214	0.012239	0.854845
cg13603113	chr9	1.13E+08	0.350102	2.531989	0.012244	0.854845
cg26264008	chr3	44916102	-0.28123	-2.53697	0.012077	0.854782
cg05198244	chr21	26732918	-0.40854	-2.53634	0.012098	0.854782
cg22935149	chr22	38851884	-0.22114	-2.53921	0.012003	0.854416
cg08167047	chr11	72463418	0.157896	2.531927	0.012246	0.854845
cg07537734	chr4	1.58E+08	0.382071	2.530873	0.012281	0.854845
cg24756170	chr17	40760822	-0.23116	-2.53448	0.01216	0.854845
cg23239612	chr5	1.38E+08	0.277422	2.529754	0.012319	0.855722
cg06720525	chr17	63097195	0.262776	2.54057	0.011958	0.85344
cg25203885	chr2	87302643	-0.17289	-2.53536	0.012131	0.854845
cg09699373	chr16	84822712	0.263475	2.535081	0.01214	0.854845
cg06698053	chr12	1.33E+08	0.300466	2.529912	0.012314	0.855722
cg06412555	chr12	1.3E+08	0.259068	2.535974	0.01211	0.854845
cg08308725	chr4	1409543	0.407623	2.531379	0.012264	0.854845
cg02423064	chr17	32484008	0.308672	2.532122	0.012239	0.854845
cg16905586	chr3	49761211	-0.18933	-2.5375	0.01206	0.854681
cg18297745	chr3	1.47E+08	-0.44375	-2.52973	0.01232	0.855722
cg08448701	chr20	21686282	0.565785	2.533047	0.012208	0.854845
cg20018563	chr15	92690264	0.326809	2.532637	0.012222	0.854845

cg26465391	chr19	58220773	ZNF134;ZIK1;ZNF549;ZNF329;PEG3;ZNF671	0.292846	2.533184	0.012204	0.854845
cg11219022	chr2	1.67E+08		-0.16623	-2.5361	0.012106	0.854845
cg18614984	chr17	2652640	ITGAE;GSG2;TSR1	0.296721	2.53139	0.012264	0.854845
cg21621645	chr6	32809263	FKBPL	0.260527	2.527496	0.012396	0.856047
cg22125805	chr12	1.19E+08		0.638471	2.533919	0.012179	0.854845
cg11499699	chr17	74382495	ST6GALNAC1;GRB2;MYO15B;ACOX1;UNK;LINC00338	0.216015	2.53285	0.012215	0.854845
cg10999598	chr5	1.26E+08		0.295196	2.530559	0.012292	0.854845
cg21776583	chr6	30923545	HCP5	-0.1979	-2.53168	0.012254	0.854845
cg00352576	chr9	1.35E+08	ENSG00000224992	-0.31525	-2.53363	0.012189	0.854845
cg02745912	chr7	1.42E+08	TRBC2	0.379148	2.535623	0.012122	0.854845
cg12610917	chr19	46387992		0.408932	2.528454	0.012363	0.856047
cg03171465	chr2	99553830	ENSG00000273045	0.347739	2.538184	0.012037	0.854416
cg09475741	chr3	42577716		0.307203	2.534761	0.012151	0.854845
cg11828430	chr1	1.73E+08	ZBTB37;GAS5	-0.19526	-2.53566	0.012121	0.854845
cg01797434	chr1	16968465		-0.24411	-2.52675	0.012421	0.856047
cg02318043	chr10	5302629		-0.38159	-2.5317	0.012253	0.854845
cg16804882	chr6	1.37E+08		-0.3321	-2.53645	0.012094	0.854782
cg08354053	chr17	30630872		-0.21049	-2.53143	0.012262	0.854845
cg07319605	chr2	1.14E+08		-0.36438	-2.53171	0.012253	0.854845
cg07581070	chr6	40291048	KIF6	-0.40831	-2.53245	0.012228	0.854845
cg02582925	chr5	78281734		0.263301	2.533251	0.012201	0.854845

cg14966346	chr14	1.04E+08		0.303776	2.538684	0.01202	0.854416
cg09046255	chr16	30662126		-0.23237	-2.53354	0.012192	0.854845
cg18553276	chr18	48328118		-0.27599	-2.52883	0.01235	0.856047
cg09887589	chr6	31702785		-0.27332	-2.52848	0.012362	0.856047
cg27575495	chr3	1.46E+08		-0.38953	-2.52563	0.012459	0.856047
cg12904680	chr3	1.83E+08		-0.24509	-2.53333	0.012199	0.854845
cg07643726	chr19	37178411	HKR1;SYNE4	-0.20085	-2.52489	0.012484	0.856285
cg21657705	chr17	61574500		-0.4077	-2.53786	0.012048	0.854416
cg17543469	chr7	2634897		-0.37734	-2.53079	0.012284	0.854845
cg22291922	chr17	46688729	ABI3;HOXB4;HOXB-AS2;HOXB3;NXPH3	0.315584	2.531484	0.012261	0.854845
cg04522498	chr8	1.41E+08		0.289516	2.53332	0.012199	0.854845
cg10383724	chr11	12228521		-0.31185	-2.52598	0.012447	0.856047
cg24722749	chr1	24969476		-0.18797	-2.53287	0.012214	0.854845
cg04732910	chr12	69201696		0.169231	2.528547	0.01236	0.856047
cg13000136	chr5	34839819		0.329614	2.53532	0.012132	0.854845
cg07822775	chr15	1.02E+08		-0.3471	-2.53072	0.012286	0.854845
cg06521088	chr21	39039848		0.299019	2.528041	0.012377	0.856047
cg21304757	chr19	58850414	ENSG00000269867	-0.1924	-2.53103	0.012276	0.854845
cg05659097	chr5	2757244		0.331639	2.530069	0.012308	0.855577
cg08861456	chr1	2.48E+08		0.719949	2.524469	0.012499	0.856285
cg05291069	chr10	1.26E+08		0.327256	2.533888	0.01218	0.854845
cg00232874	chr16	85588351		-0.18692	-2.52716	0.012407	0.856047
cg25501902	chr18	2913220		0.27914	2.530151	0.012306	0.855525

cg27471755	chr19	35842445		-0.26611	-2.53182	0.012249	0.854845
cg22290566	chr15	75105286		-0.20339	-2.52781	0.012385	0.856047
cg21170752	chr5	1.48E+08		0.256975	2.531542	0.012259	0.854845
cg03489016	chr2	2.3E+08	SP140	-0.38885	-2.54029	0.011968	0.85348
cg18144076	chr8	1130858		-0.31494	-2.5219	0.012587	0.856306
cg26007445	chr17	62287566	ERN1;LIMD2;ACE;MAP3K3;CD79B;RGS9	-0.4585	-2.52892	0.012347	0.856047
cg20588045	chr10	56561096		0.410615	2.52715	0.012407	0.856047
ch.17.50790467F	chr17	53435468		-0.42608	-2.52702	0.012412	0.856047
cg15414924	chr14	36291501		-0.39046	-2.54109	0.011941	0.852979
cg07138437	chr2	71787615	NAGK	0.387698	2.527403	0.012399	0.856047
cg25078026	chr6	28829931		0.307096	2.52619	0.01244	0.856047
cg01416724	chr8	23429097		-0.3056	-2.53513	0.012139	0.854845
cg06745507	chr15	44085196		-0.2543	-2.53227	0.012234	0.854845
cg19585918	chr6	54001665		-0.46744	-2.53414	0.012171	0.854845
cg20862599	chr8	65498440		0.29054	2.532689	0.01222	0.854845
cg21244177	chr1	63795848	ITGB3BP	0.272137	2.529047	0.012343	0.856047
cg24917359	chr17	77044255		0.375959	2.526316	0.012436	0.856047
cg09386807	chr3	50375496	RASSF1;UBA7;ENSG00000273356;RHOA-IT1	0.290698	2.52789	0.012382	0.856047
cg18187675	chr1	61886560		0.305471	2.53443	0.012162	0.854845
cg09614349	chr10	3433533		-0.22762	-2.53457	0.012157	0.854845
cg24373608	chr3	1.04E+08		-0.31854	-2.53059	0.012291	0.854845
cg08402652	chr11	94501461		-0.21534	-2.52613	0.012442	0.856047

ch.6.6344 6327R	chr6	63388368		-0.47977	-2.53666	0.012087	0.854782
cg27331871	chr11	2171478	MUC5AC	-0.35572	-2.52841	0.012365	0.856047
cg04895233	chr6	1.44E+08		0.369861	2.527015	0.012412	0.856047
cg02604018	chr3	1.28E+08		-0.32335	-2.52354	0.012531	0.856285
cg27305917	chr21	47396773		-0.34354	-2.52686	0.012417	0.856047
cg18877028	chr9	1.38E+08		-0.27452	-2.52715	0.012407	0.856047
cg11743795	chr3	57742983		0.31128	2.52964	0.012323	0.855751
cg26795702	chr1	1.85E+08	C1orf27;IVNS1ABP	-0.32633	-2.5364	0.012096	0.854782
cg05143386	chr19	9213689		-0.31883	-2.52195	0.012586	0.856306
cg06501113	chr6	6534839		-0.3335	-2.52748	0.012396	0.856047
cg04826279	chr10	74386200	ENSG00000221817	0.214763	2.536778	0.012084	0.854782
cg04524239	chr15	25320886		0.281722	2.523378	0.012536	0.856306
cg17514420	chr11	94226991		-0.21472	-2.52971	0.01232	0.855722
cg03429034	chr7	99613105		0.267497	2.529097	0.012341	0.856047
cg10766103	chr12	56842950		0.169102	2.535327	0.012132	0.854845
cg01390061	chr2	1.28E+08	GYPC	-0.32757	-2.52417	0.012509	0.856285
cg26666835	chr5	1.71E+08		0.288005	2.522081	0.012581	0.856306
cg07862488	chr14	60977054	SIX1;SIX4;MNAT1;PCNXL4;PRKCH;SLC38A6;C14orf39;TMEM30B	0.389127	2.535183	0.012137	0.854845
cg13327785	chr12	1.32E+08	STX2;POLE;MMP17;GPR133	0.884611	2.537903	0.012046	0.854416
cg06783814	chr4	47034753		-0.19208	-2.52586	0.012451	0.856047
cg00516616	chr17	78831863		-0.29852	-2.52539	0.012467	0.856182

cg10492417	chr16	89826417		-0.25502	-2.52461	0.012494	0.856285
cg17224892	chr17	1094496		-0.30744	-2.52388	0.012519	0.856285
cg25733756	chr19	5223299		-0.34308	-2.52502	0.01248	0.856285
cg05590755	chr1	23855149	GALE;C1QC	-0.27575	-2.53408	0.012174	0.854845
cg01037496	chr18	686346		-0.25738	-2.52263	0.012562	0.856306
cg07474682	chr16	89573562	SPIRE2;RNF166;CBFA2T3;GAS8;SPATA33	0.433486	2.525792	0.012454	0.856047
cg01749718	chr12	5581281	CD9	0.330827	2.533238	0.012202	0.854845
cg04983151	chr2	2.02E+08		0.576101	2.522144	0.012579	0.856306
cg16635016	chr5	1.76E+08		-0.35523	-2.52557	0.012461	0.856047
cg09021039	chr22	45403893		-0.24278	-2.52711	0.012409	0.856047
cg01837375	chr19	13031108	CACNA1A	0.353067	2.530712	0.012287	0.854845
cg12863545	chr17	8869136		0.29673	2.531557	0.012258	0.854845
cg13539545	chr14	60973823		0.490265	2.522597	0.012563	0.856306
cg23104954	chr13	50701501	CDADC1	0.378469	2.527478	0.012396	0.856047
cg25729957	chr10	1.05E+08		-0.27235	-2.52815	0.012373	0.856047
cg15469014	chr19	11032172		-0.29444	-2.53072	0.012287	0.854845
cg17090968	chr12	46663694	PCED1B-AS1	0.477467	2.528491	0.012362	0.856047
cg22388260	chr16	14403138	NTAN1	0.444499	2.532237	0.012235	0.854845
cg22250390	chr3	5246986		0.410321	2.519804	0.01266	0.857095
cg13470499	chr1	1163192		0.253634	2.531797	0.01225	0.854845
cg02711975	chr2	1344122		0.376227	2.534497	0.01216	0.854845
cg13720744	chr22	21271392		-0.21566	-2.53303	0.012209	0.854845
cg11206312	chr10	1.04E+08		-0.18656	-2.52376	0.012523	0.856285

cg05374654	chr11	94134666		0.317755	2.524691	0.012491	0.856285
cg03265991	chr16	66646895		0.25853	2.525567	0.012461	0.856047
cg10643550	chr19	1603857		0.315672	2.524688	0.012491	0.856285
cg13999143	chr4	6728799	TBC1D14	0.576101	2.520586	0.012633	0.856608
cg20492868	chr1	42202048		-0.18772	-2.53066	0.012289	0.854845
cg05956244	chr11	60787739		-0.28335	-2.52704	0.012411	0.856047
cg20113693	chr19	55740757		0.273385	2.533199	0.012203	0.854845
cg05939105	chr1	2.46E+08		-0.26735	-2.52608	0.012444	0.856047
cg16984485	chr3	3218116		0.429264	2.523796	0.012522	0.856285
cg09501516	chr1	1.63E+08		0.253069	2.531483	0.012261	0.854845
cg27376548	chr3	32338292		0.223551	2.525685	0.012457	0.856047
cg21148531	chr6	1.07E+08		0.453487	2.522832	0.012555	0.856306
cg13759674	chr9	1.4E+08		0.385975	2.529265	0.012336	0.856047
cg10274606	chr14	73118334		-0.33501	-2.52704	0.012411	0.856047
cg09400985	chr14	38728932		-0.31577	-2.52244	0.012569	0.856306
cg13326647	chr4	1.74E+08		0.378082	2.528057	0.012377	0.856047
cg08235413	chr1	20305685		-0.22959	-2.51881	0.012694	0.857095
cg08066376	chr11	59577361		0.362376	2.52618	0.01244	0.856047
cg00012576	chr13	94568320	DCT;SOX21	-0.40765	-2.5259	0.01245	0.856047
cg04177845	chr7	1.57E+08		-0.32668	-2.52467	0.012492	0.856285
cg24506706	chr7	4169485		0.308608	2.527963	0.01238	0.856047
cg26880055	chr6	84563098		0.311617	2.522331	0.012572	0.856306
cg18398551	chr5	65633727	ADAMTS6	-0.51349	-2.5275	0.012396	0.856047
cg13204325	chr12	1.31E+08		-0.37912	-2.5293	0.012334	0.856047
cg19205041	chr6	1.44E+08	ENSG00000235740	0.447819	2.529137	0.01234	0.856047

cg00671600	chr20	61792443	C20orf195	-0.4276	-2.52656	0.012427	0.856047
cg26534677	chr8	27630505		-0.38024	-2.52055	0.012634	0.856608
cg20124376	chr19	2522340	ZNF57	-0.45988	-2.52399	0.012515	0.856285
cg15531562	chr11	65601754		0.698857	2.518442	0.012707	0.857095
cg25716740	chr17	49337652		-0.32087	-2.53417	0.012171	0.854845
cg27090191	chr3	1.2E+08		-0.23871	-2.52581	0.012453	0.856047
cg24824178	chr5	1.41E+08		0.280107	2.524126	0.012511	0.856285
cg27170458	chr16	89988252		0.199892	2.523498	0.012532	0.856285
cg24158259	chr11	58984544	MS4A6A;MPEG1	-0.41996	-2.52348	0.012533	0.856285
cg22933875	chr1	85187209		-0.2836	-2.52426	0.012506	0.856285
cg23501610	chr1	12891355		-0.3392	-2.52155	0.012599	0.8565
cg03374695	chr8	1.28E+08	POU5F1B	0.275757	2.517521	0.012739	0.857095
cg08809223	chr6	31134812		0.316452	2.524348	0.012503	0.856285
cg23236370	chr5	33892705		0.297425	2.524548	0.012496	0.856285
cg15549231	chr20	49415761	TMEM189;MIR645	0.469241	2.524877	0.012485	0.856285
cg04552235	chr10	1.12E+08		-0.19194	-2.51971	0.012663	0.857095
cg07529608	chr14	70041661		-0.2305	-2.52299	0.01255	0.856306
cg09557462	chr8	26721736		0.428927	2.526657	0.012424	0.856047
cg18963171	chr21	43442940		-0.28997	-2.52	0.012653	0.856951
cg04637478	chr5	1.41E+08		0.375278	2.526691	0.012423	0.856047
cg15704699	chr17	26439377	IFT20;KIAA0100;ENSG00000264469	-0.32471	-2.52269	0.01256	0.856306
cg26522792	chr2	1.28E+08		0.229145	2.526188	0.01244	0.856047
cg16016951	chr15	48624163		-0.29491	-2.52079	0.012625	0.8565
cg25028293	chr1	6528261		-0.24798	-2.51753	0.012739	0.857095

cg22663080	chr1	94375517		0.31708	2.531004	0.012277	0.854845
cg27294268	chr14	36983518		-0.3602	-2.52243	0.012569	0.856306
cg02586268	chr1	1.74E+08		0.279281	2.516803	0.012764	0.857596
cg15942368	chr7	1.39E+08		0.358464	2.515248	0.012818	0.857596
cg27633010	chr10	1.35E+08		0.369236	2.521266	0.012609	0.8565
cg14593237	chr9	1.35E+08		0.274387	2.52171	0.012594	0.8565
cg22748443	chr7	14030992		-0.21427	-2.52388	0.012519	0.856285
cg12266287	chr2	2.33E+08		0.291293	2.521647	0.012596	0.8565
cg25848827	chr1	7550111		0.473036	2.520334	0.012641	0.856861
cg11254573	chr8	1449634		-0.28054	-2.51524	0.012819	0.857596
cg13509934	chr9	1.39E+08		-0.35203	-2.52382	0.012521	0.856285
cg19932370	chr20	60495486		0.167512	2.522949	0.012551	0.856306
cg26134712	chr10	32348319	ENSG00000150076	-0.32463	-2.52415	0.01251	0.856285
cg23085343	chr20	50159160		-0.36418	-2.52333	0.012538	0.856306
cg14770827	chr19	1775275		0.300589	2.519495	0.01267	0.857095
cg21348691	chr16	68057212		-0.20142	-2.51655	0.012773	0.857596
cg02829609	chr19	19030005		0.127558	2.526179	0.01244	0.856047
cg05100392	chr17	206474		-0.26435	-2.52099	0.012619	0.8565
cg09420691	chr21	43229483		0.369986	2.525463	0.012465	0.856152
cg13644317	chr18	70536461		0.420781	2.51897	0.012689	0.857095
cg14187712	chr2	2.42E+08	ENSG00000228989	-0.26495	-2.51439	0.012848	0.857625
cg06228507	chr20	61637360		0.378095	2.513698	0.012873	0.857749
cg23321714	chr11	1.12E+08		-0.22924	-2.52399	0.012515	0.856285
cg06413794	chr12	1.26E+08		0.358139	2.524382	0.012502	0.856285
cg11310684	chr10	94832631		-0.29164	-2.52008	0.01265	0.856951

cg09288989	chr12	1.22E+08		0.371873	2.51825	0.012714	0.857095
cg14539978	chr6	28510532		0.352821	2.519596	0.012667	0.857095
cg04986236	chr2	2.42E+08		-0.2276	-2.52247	0.012567	0.856306
cg14459668	chr10	77542483		0.378462	2.518059	0.01272	0.857095
cg11814826	chr17	26666694	TRAF4;TLCD1;ALDOC;SPAG5	-0.4394	-2.51853	0.012704	0.857095
cg18262051	chr7	1E+08		-0.27444	-2.52126	0.012609	0.8565
cg02888090	chr9	1.34E+08		-0.34603	-2.52202	0.012583	0.856306
cg03023867	chr1	1.1E+08		-0.21467	-2.52759	0.012393	0.856047
cg14784788	chr5	1.38E+08	SNORA74A	-0.18166	-2.52728	0.012403	0.856047
cg27665018	chr7	47698707		-0.20573	-2.51964	0.012665	0.857095
cg27638288	chr11	12071946		0.336872	2.5215	0.012601	0.8565
cg11231849	chr1	2.03E+08		-0.36625	-2.51846	0.012706	0.857095
cg14247222	chr11	68549334		-0.32176	-2.51683	0.012763	0.857596
cg17757980	chr10	46971495	Mar-08	0.260603	2.515685	0.012803	0.857596
cg25034274	chr15	81282230		-0.23156	-2.5162	0.012785	0.857596
cg26690511	chr3	1.55E+08		-0.41847	-2.51944	0.012672	0.857095
cg07151748	chr15	95867431		0.293457	2.525589	0.012461	0.856047
cg17015179	chr1	40543323		-0.33286	-2.52104	0.012617	0.8565
cg24044426	chr14	93699254		0.294012	2.521142	0.012613	0.8565
cg09434085	chr7	1.57E+08		0.438767	2.51686	0.012762	0.857596
cg23960723	chr10	11783974		0.383718	2.518878	0.012692	0.857095
cg11752829	chr6	32797232		0.341337	2.518708	0.012698	0.857095
cg26116950	chr12	41582017		0.29304	2.521192	0.012612	0.8565
cg03012521	chr8	9260335		-0.32779	-2.51897	0.012689	0.857095

cg18251417	chr7	1340592	PSMG3	-0.24467	-2.51926	0.012678	0.857095
cg08499046	chr11	31824327		0.29283	2.517984	0.012723	0.857095
cg26230245	chr1	11322756		0.223778	2.520162	0.012647	0.856951
cg26117570	chr2	1.61E+08		-0.42943	-2.52089	0.012622	0.8565
cg04132146	chr6	87862158		0.40897	2.516883	0.012761	0.857596
cg01059295	chr4	1.9E+08		-0.37592	-2.53064	0.012289	0.854845
cg11819121	chr21	37664031		-0.27002	-2.52285	0.012555	0.856306
cg13216267	chr18	77793342		-0.20136	-2.51632	0.012781	0.857596
cg26703066	chr11	10813944		0.191879	2.527979	0.012379	0.856047
cg02993259	chr14	89493561		0.189469	2.525167	0.012475	0.856285
cg01195127	chr2	32503081		0.200611	2.518966	0.012689	0.857095
cg19223299	chr6	1E+08		0.321041	2.511977	0.012933	0.858516
cg14462015	chr4	79860507		-0.22232	-2.52396	0.012516	0.856285
cg16262034	chr5	628091		-0.33931	-2.54117	0.011938	0.852979
cg00588559	chr19	1014481		-0.30633	-2.51789	0.012726	0.857095
cg21504757	chr11	1.19E+08		-0.23231	-2.52004	0.012652	0.856951
cg27235148	chr11	45376932		0.417159	2.525977	0.012447	0.856047
cg00210538	chr10	65245820		0.275338	2.523563	0.01253	0.856285
cg01719095	chr1	93811362		0.190518	2.52209	0.012581	0.856306
cg14918503	chr10	429999		-0.26221	-2.52032	0.012642	0.856861
cg07197493	chr11	9884649	SNORA23	0.389843	2.525968	0.012448	0.856047
cg03875156	chr10	1.35E+08		-0.22929	-2.51766	0.012734	0.857095
cg21789849	chr3	1.08E+08		-0.20231	-2.51821	0.012715	0.857095
cg22885367	chr2	68694660		-0.28386	-2.51526	0.012818	0.857596
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cg15985191	chr10	18429357		-0.21146	-2.52074	0.012627	0.8565
cg00075507	chr17	26708226	LYRM9	0.248912	2.521931	0.012586	0.856306
cg01112035	chr2	1.05E+08		-0.37764	-2.5223	0.012574	0.856306
cg18195416	chr8	1.41E+08		-0.3422	-2.51054	0.012984	0.858727
cg03651583	chr1	33815695		-0.15337	-2.5288	0.012351	0.856047
cg03287207	chr2	1.32E+08		0.424702	2.52224	0.012575	0.856306
cg22509205	chr19	40441611		-0.2514	-2.52206	0.012582	0.856306
cg00777652	chr10	69835323	DDX50	0.312296	2.523698	0.012525	0.856285
cg10548163	chr15	1.01E+08		-0.38738	-2.52611	0.012443	0.856047
cg16259043	chr4	1.88E+08		-0.28581	-2.52128	0.012608	0.8565
cg10669424	chr3	11763340	HRH1	0.355125	2.52472	0.01249	0.856285
cg27555803	chr20	35402338		-0.18789	-2.52209	0.01258	0.856306
cg25139636	chr15	69084888		-0.24889	-2.51625	0.012783	0.857596
cg23856299	chr19	8555465	ADAMTS10;KAN K3;CD320;FBN3	-0.29705	-2.52846	0.012363	0.856047
cg21919136	chr3	1.9E+08		-0.23653	-2.53791	0.012046	0.854416
cg10287111	chr14	1.02E+08		-0.38342	-2.51384	0.012868	0.857631
cg16176247	chr4	2936583		0.216218	2.515509	0.012809	0.857596
cg25329296	chr4	1.13E+08		-0.33151	-2.51568	0.012803	0.857596
cg12460541	chr15	41785560		-0.22987	-2.51308	0.012894	0.858163
cg09596116	chr7	25990026		0.302145	2.522317	0.012573	0.856306
cg06470251	chr20	60548479		0.263018	2.523197	0.012543	0.856306
cg26480584	chr13	62002615		-0.32102	-2.52404	0.012513	0.856285
cg21684012	chr6	1.01E+08	ASCC3	0.27204	2.52071	0.012628	0.8565
cg06460587	chr6	31650930		-0.26778	-2.5167	0.012767	0.857596

cg23950724	chr12	33593177		0.288144	2.511479	0.012951	0.858697
cg02801073	chr3	50388115		-0.19576	-2.51763	0.012735	0.857095
cg27420922	chr13	31506773		0.240695	2.513883	0.012866	0.857631
cg16951533	chr6	1.55E+08		0.326071	2.514821	0.012833	0.857596
cg11976925	chr17	12921492		0.206499	2.518066	0.01272	0.857095
cg09210336	chr8	1.41E+08		-0.36323	-2.5163	0.012781	0.857596
cg20995689	chr1	2.44E+08		0.296371	2.525264	0.012472	0.856285
cg06851215	chr7	3338498		0.262571	2.520755	0.012627	0.8565
cg03570417	chr12	1.32E+08		-0.32765	-2.51426	0.012853	0.857631
cg15465223	chr10	44185590	ENSG00000236114;ZNF487	-0.16577	-2.52006	0.012651	0.856951
cg08554295	chr5	59189934		0.260836	2.514657	0.012839	0.857596
cg21888373	chr6	3175749		-0.36503	-2.51528	0.012817	0.857596
cg03317280	chr1	2.29E+08		-0.21648	-2.5124	0.012918	0.858516
cg04590978	chr10	97802941		0.324624	2.526328	0.012435	0.856047
cg23592947	chr1	63786306	ITGB3BP	0.269143	2.521096	0.012615	0.8565
cg00308984	chr4	1.04E+08	SLC39A8	0.367168	2.514948	0.012829	0.857596
cg22078560	chr17	36004621		0.246577	2.517358	0.012745	0.857315
cg04522694	chr19	7598942		-0.26326	-2.51045	0.012987	0.858776
cg07291958	chr2	26785531	PREB	0.236859	2.527129	0.012408	0.856047
cg13837481	chr6	1.6E+08		-0.16551	-2.5282	0.012372	0.856047
cg01752856	chr8	19471331		0.440951	2.514462	0.012846	0.857625
cg06043710	chr10	560371	IDI1;ADARB2	0.503024	2.518487	0.012705	0.857095
cg27468830	chr7	1.57E+08		-0.32031	-2.51186	0.012937	0.858516
cg24087447	chr12	1.33E+08		0.287483	2.518366	0.012709	0.857095

cg13047380	chr5	17485435		-0.31392	-2.52762	0.012391	0.856047
cg09649266	chr2	88583529		0.310388	2.516326	0.012781	0.857596
cg15139179	chr10	1.32E+08		-0.28846	-2.51703	0.012756	0.857596
cg15482422	chr16	66956240		0.392097	2.511713	0.012943	0.858615
cg20948472	chr5	1.4E+08		0.295782	2.517531	0.012739	0.857095
cg18809729	chr11	1302981		-0.35209	-2.51407	0.01286	0.857631
cg14750066	chr12	41582063		0.38296	2.519842	0.012658	0.857095
cg05988291	chr4	77506682	CCDC158;CDKL2	0.315433	2.513587	0.012877	0.857828
cg03578951	chr1	44678791	RNU5F-1;TIE1	-0.41467	-2.5147	0.012837	0.857596
cg16647169	chr18	9474995		0.179895	2.519202	0.01268	0.857095
cg00510087	chr10	7618556		0.288983	2.516411	0.012778	0.857596
cg19334895	chr19	18942619		0.170467	2.515156	0.012822	0.857596
cg24341254	chr7	1997329		0.32153	2.516129	0.012788	0.857596
cg01187883	chr3	1.87E+08		-0.25723	-2.51553	0.012808	0.857596
cg13866129	chr11	62623438		-0.15777	-2.51142	0.012953	0.858697
cg20233206	chr17	3854616	TRPV3;ITGAE	-0.28126	-2.5167	0.012767	0.857596
cg03097541	chr16	3185250		-0.13808	-2.51447	0.012845	0.857625
cg21181391	chr8	88886411		-0.40498	-2.51368	0.012873	0.857749
cg01047635	chr11	16761506		0.344404	2.516684	0.012768	0.857596
cg22998033	chr17	1394477		0.157079	2.512027	0.012932	0.858516
cg17236526	chr16	1179941	LMF1;TSC2	0.36218	2.516929	0.01276	0.857596
cg08354309	chr15	59063586		-0.17592	-2.51208	0.01293	0.858516
cg08500872	chr16	87990909		-0.3101	-2.51132	0.012957	0.858697
cg13297560	chr15	99320054	SYNM;TTC23	-0.44649	-2.51491	0.01283	0.857596
cg16221841	chr14	77279127		0.151527	2.509963	0.013005	0.858951

cg20720553	chr15	1.02E+08		0.204962	2.517566	0.012737	0.857095
cg21830003	chr11	1.34E+08		0.179996	2.512802	0.012904	0.858464
cg21600027	chr4	1.24E+08		-0.31846	-2.51395	0.012864	0.857631
cg07911682	chr1	51425659	AGBL4	-0.19895	-2.51306	0.012895	0.858163
cg03560797	chr7	1.06E+08		-0.17212	-2.5085	0.013057	0.859408
cg21273407	chr12	1.18E+08		-0.18232	-2.53301	0.012209	0.854845
cg07842062	chr16	3306524		-0.31538	-2.50756	0.01309	0.85948
cg16110314	chr1	2.46E+08		-0.29537	-2.51843	0.012707	0.857095
cg10433327	chr15	56209506	C15orf65	-0.52555	-2.51797	0.012723	0.857095
cg12834378	chr7	1.58E+08		-0.47419	-2.51608	0.012789	0.857596
cg18642576	chr16	74752765	FA2H	-0.37003	-2.51891	0.012691	0.857095
cg03614916	chr18	22007271		0.331581	2.514703	0.012837	0.857596
cg09995105	chr1	1.86E+08		0.328048	2.515029	0.012826	0.857596
cg13474877	chr9	5450724	ENSG00000228097	-0.24541	-2.51203	0.012932	0.858516
cg15887709	chr7	1270976		0.345365	2.505138	0.013177	0.859741
cg23283187	chr4	8593019		-0.20603	-2.51211	0.012929	0.858516
cg02688359	chr11	2093768		-0.29881	-2.51218	0.012926	0.858516
cg07800665	chr19	21657926	ENSG00000268119;ZNF429;ENSG00000268081;ZNF493;ENSG00000268416;ZNF208;VN1R83P;ZNF257	0.552292	2.509828	0.013009	0.858951
cg08525147	chr3	20049638		-0.3247	-2.51304	0.012896	0.858163
cg10210739	chr1	1.02E+08		-0.34361	-2.51545	0.012811	0.857596

cg26199241	chr17	59529486		0.455584	2.506815	0.013117	0.859541
cg05516140	chr2	8977683		-0.13419	-2.51313	0.012893	0.858163
cg18166636	chr5	1.79E+08		-0.28555	-2.5054	0.013167	0.859649
cg06793377	chr22	51112536		-0.2458	-2.51261	0.012911	0.858516
cg03183800	chr7	88423665		0.298672	2.521109	0.012614	0.8565
cg06583577	chr5	1.16E+08		-0.4319	-2.51798	0.012723	0.857095
cg05297854	chr22	50623687		0.388447	2.509796	0.013011	0.858951
cg23219748	chr11	1.35E+08		-0.30728	-2.51554	0.012808	0.857596
cg06084117	chr7	1.32E+08		-0.32281	-2.51436	0.01285	0.857625
cg06772736	chr12	93397394	CRADD	0.306389	2.519514	0.01267	0.857095
cg20365403	chr8	1.24E+08		0.244586	2.512008	0.012932	0.858516
cg02238950	chr17	1505303		-0.16185	-2.51025	0.012994	0.858951
cg14945578	chr20	3776324		-0.22759	-2.51394	0.012864	0.857631
cg19924335	chr7	23338860		-0.19527	-2.51194	0.012935	0.858516
cg11575131	chr21	26733563		-0.39403	-2.51535	0.012815	0.857596
cg04973505	chr19	45202433	SNRPD2	0.247029	2.51128	0.012958	0.858697
cg14596108	chr22	49146584		-0.41808	-2.51474	0.012836	0.857596
cg14437534	chr11	64065031		0.285125	2.509571	0.013019	0.858951
cg13276428	chr14	1.05E+08		-0.26892	-2.50991	0.013006	0.858951
cg04246144	chr5	1.41E+08		0.430408	2.509415	0.013024	0.858951
cg26502266	chr7	63395422		0.291686	2.509151	0.013034	0.859174
cg18104674	chr18	60190218	TNFRSF11A	-0.14117	-2.50731	0.013099	0.859541
cg06856378	chr2	1.61E+08		-0.34348	-2.51061	0.012982	0.858727
cg25308427	chr11	10324739		-0.18311	-2.51793	0.012725	0.857095
cg05073035	chr3	1.47E+08		0.206885	2.515272	0.012817	0.857596

cg24465384	chr8	1.43E+08		0.317363	2.510586	0.012983	0.858727
cg16249010	chr7	1.58E+08		-0.24116	-2.5108	0.012975	0.858727
cg14195115	chr9	38061778	FAM201A;ENSG00000233137	0.330363	2.517595	0.012736	0.857095
cg19190519	chr11	1.23E+08		0.273144	2.515517	0.012809	0.857596
cg08771694	chr2	2.28E+08		-0.38401	-2.51287	0.012902	0.858438
cg10239388	chr7	70596308		0.326788	2.504662	0.013194	0.859763
cg08861541	chr11	2610149		-0.31462	-2.51456	0.012842	0.857625
cg12786452	chr17	62309293	LIMD2;TANC2;ERN1;CD79B;ICAM2	-0.40449	-2.52224	0.012576	0.856306
cg21877907	chr11	1.32E+08		0.382787	2.513107	0.012894	0.858163
cg00292135	chr7	1.56E+08	C7orf13	0.453271	2.502365	0.013277	0.859763
cg04963066	chr8	1.46E+08		0.193467	2.511812	0.012939	0.858516
cg00500457	chr22	39055589		-0.33275	-2.50486	0.013187	0.859763
cg08164006	chr9	1.39E+08		0.295579	2.503449	0.013238	0.859763
cg03142751	chr20	60775169		0.301338	2.506885	0.013114	0.859541
cg17460204	chr17	81045863		-0.29665	-2.5075	0.013092	0.85948
cg17009679	chr11	17005117		0.192821	2.511956	0.012934	0.858516
cg15457745	chr14	72399553		0.337058	2.504431	0.013202	0.859763
cg15382620	chr5	76921025		-0.49767	-2.50232	0.013278	0.859763
cg11365072	chr5	1.54E+08		-0.39256	-2.51751	0.012739	0.857095
cg09971881	chr14	79880024		-0.37535	-2.50441	0.013203	0.859763
cg05969697	chr9	95527975		-0.26049	-2.51506	0.012825	0.857596
cg19919062	chr3	33155195		0.297971	2.511355	0.012955	0.858697
cg13403695	chr15	25439493		-0.34577	-2.50395	0.01322	0.859763

cg17401106	chr20	3650493		-0.15842	-2.51116	0.012962	0.858727
cg20754261	chr2	468330		0.499397	2.50584	0.013152	0.859541
cg19972312	chr11	77921474		0.332925	2.51053	0.012985	0.858727
cg05307819	chr1	53236957		-0.33449	-2.50602	0.013145	0.859541
cg06775361	chr4	1.41E+08		-0.48489	-2.5075	0.013092	0.85948
cg08066035	chr19	16999614	HSH2D;JAK3;FCHO1;DDA1;ENSG00000269640	-0.37633	-2.50568	0.013157	0.859541
cg05935075	chr1	91587141	TGFBR3	-0.32757	-2.51019	0.012997	0.858951
cg06868377	chr6	33284360		0.243534	2.506494	0.013128	0.859541
cg15485728	chr9	79521359		0.278966	2.509584	0.013018	0.858951
cg24944820	chr11	61723377		0.272082	2.505826	0.013152	0.859541
cg22708508	chr1	1.54E+08		0.302971	2.504487	0.0132	0.859763
cg00898147	chr14	21994785		0.374573	2.505237	0.013173	0.859741
cg14414316	chr22	38808468		0.19761	2.506053	0.013144	0.859541
cg14176752	chr6	1.01E+08		0.29631	2.510643	0.012981	0.858727
cg15578250	chr6	14844922		-0.23884	-2.51206	0.01293	0.858516
cg18220560	chr2	17936424		-0.40049	-2.50847	0.013058	0.859408
cg12793096	chr6	1.64E+08		0.570732	2.510615	0.012982	0.858727
cg08644897	chr13	1.13E+08	ATP11A	-0.29675	-2.51073	0.012978	0.858727
cg13851641	chr6	33289007		0.198877	2.513153	0.012892	0.858163
cg14378659	chr8	8860465	FAM86B3P	-0.19504	-2.50263	0.013267	0.859763
cg00155397	chr1	2.41E+08		0.254493	2.515103	0.012823	0.857596
cg14223444	chr9	1E+08		0.290985	2.518614	0.012701	0.857095
cg08950105	chr9	96622335		-0.30203	-2.506	0.013146	0.859541

cg16798686	chr3	61318369		-0.34248	-2.51059	0.012982	0.858727
cg15833099	chr2	1.33E+08		0.74795	2.507352	0.013098	0.859541
cg05272165	chr6	1.56E+08		-0.26163	-2.50762	0.013088	0.85948
cg01158094	chr3	1.26E+08		-0.28092	-2.50576	0.013155	0.859541
cg22981926	chr19	58102673		-0.3412	-2.50191	0.013293	0.859933
cg04518186	chr11	77299962	ENSG00000236304	0.615059	2.511854	0.012938	0.858516
cg02805665	chr12	49484932	FMNL3	0.38378	2.51314	0.012892	0.858163
cg21712830	chr22	24989335		0.304547	2.5098	0.01301	0.858951
cg16143910	chr20	34319989		0.339526	2.506936	0.013112	0.859541
ch.13.914371F	chr13	63674621		-0.47419	-2.50424	0.013209	0.859763
cg10485447	chr1	2.08E+08		0.239323	2.50802	0.013074	0.85948
cg15980797	chr6	1.38E+08		0.310987	2.507255	0.013101	0.859541
cg07871947	chr20	44657796	UBE2C;ZNF663P	0.326221	2.508163	0.013069	0.85948
cg23533217	chr4	896886		-0.18559	-2.5125	0.012915	0.858516
cg16431352	chr2	1.1E+08	BUB1;SH3RF3	-0.35912	-2.50895	0.013041	0.859174
cg14093335	chr11	1.23E+08		0.481978	2.502746	0.013263	0.859763
cg11074070	chr2	80557293		-0.29574	-2.50906	0.013037	0.859174
cg17296595	chr15	93261888		-0.38187	-2.50723	0.013102	0.859541
cg06813862	chr12	89346059		-0.27645	-2.50945	0.013023	0.858951
cg20318166	chr15	85360664		0.405082	2.509533	0.01302	0.858951
cg05429686	chr10	1.32E+08		0.239796	2.509511	0.013021	0.858951
cg23583454	chr6	30582333		0.363803	2.507572	0.01309	0.85948
cg25672318	chr8	1.45E+08		-0.18378	-2.51063	0.012981	0.858727
cg06277697	chr16	75241305		-0.24597	-2.50801	0.013074	0.85948
cg02650266	chr4	1.48E+08		0.296664	2.514088	0.012859	0.857631

cg23682543	chr17	61920421		-0.20011	-2.50873	0.013049	0.859367
cg27079057	chr10	1.34E+08		-0.24202	-2.52658	0.012427	0.856047
cg08907257	chr16	2223188		-0.21259	-2.51423	0.012854	0.857631
cg26567249	chr8	97247842		-0.30649	-2.50092	0.013329	0.860353
cg15545660	chr12	55420538		-0.31015	-2.5027	0.013265	0.859763
cg23207244	chr11	69813323		-0.38348	-2.50168	0.013301	0.86012
cg01691160	chr4	1.56E+08		-0.3968	-2.50988	0.013008	0.858951
cg08865522	chr12	1.14E+08		0.366503	2.504333	0.013206	0.859763
cg17836014	chr2	2.02E+08		-0.29082	-2.50879	0.013047	0.859366
cg24413918	chr19	58516100	ENSG00000176593;ZSCAN1;ZNF606;ZNF418;ZNF671;ZSCAN18;ZNF135;ZNF211;ZIK1;ENSG00000269054;ZNF154;ZNF772;C19orf18;ENSG00000267858;ENSG00000269473;ZNF446;MZF1;ENSG00000268912;ZNF837;ZNF274;ZNF134;ZNF814;ZNF264;ZNF549	0.691835	2.499802	0.01337	0.860784
cg26708724	chr4	1.88E+08		-0.36227	-2.50628	0.013136	0.859541
cg08565197	chr2	2.4E+08		-0.25229	-2.50715	0.013105	0.859541

cg27203560	chr3	1.94E+08	GP5	0.328027	2.521183	0.012612	0.8565
cg02128981	chr11	58904901		-0.29921	-2.50618	0.01314	0.859541
cg12182971	chr6	1.66E+08		-0.30275	-2.5078	0.013081	0.85948
cg07006889	chr12	1.07E+08		0.247282	2.506896	0.013114	0.859541
cg25162270	chr1	2.26E+08		-0.30958	-2.49926	0.01339	0.860784
cg07868715	chr4	1.13E+08		-0.19157	-2.50957	0.013018	0.858951
cg20588946	chr11	85338795		-0.32946	-2.50435	0.013205	0.859763
cg12297409	chr10	44101714		0.292035	2.5079	0.013078	0.85948
cg03743037	chr7	1.35E+08		-0.41708	-2.50576	0.013154	0.859541
cg06219125	chr16	24373675	GGA2;ERN2	-0.38201	-2.5024	0.013276	0.859763
cg20491579	chr12	1.3E+08		-0.32882	-2.50525	0.013173	0.859741
cg01409207	chr12	1.18E+08		0.297277	2.508429	0.013059	0.859408
cg15700636	chr11	57156050		-0.25896	-2.50253	0.013271	0.859763
cg03726739	chr5	1.68E+08	TENM2	-0.40267	-2.51006	0.013001	0.858951
cg02697402	chr16	87616984	SLC7A5	-0.23475	-2.50069	0.013338	0.860648
cg11945251	chr15	69745063		0.250914	2.506427	0.013131	0.859541
cg21664504	chr8	62052409		0.360176	2.50217	0.013284	0.859763
cg20955688	chr8	1.34E+08		-0.40761	-2.5109	0.012972	0.858727
cg12910906	chr2	1.32E+08		0.334225	2.496974	0.013473	0.862597
cg26319343	chr19	5623198		-0.19357	-2.50667	0.013122	0.859541
cg09314434	chr6	31632207		0.282861	2.508926	0.013041	0.859174
cg06292304	chr8	9761905		0.277291	2.514017	0.012862	0.857631
cg18741166	chr15	65708918		-0.28546	-2.51229	0.012922	0.858516
cg23606385	chr7	1E+08		-0.22681	-2.50892	0.013042	0.859174
cg15379887	chr3	88107415		0.254548	2.514756	0.012836	0.857596

cg07336426	chr15	99561687		-0.246	-2.50321	0.013246	0.859763
cg07265300	chr2	24346000		-0.2727	-2.50771	0.013085	0.85948
cg06985934	chr11	61584717		0.256863	2.503211	0.013246	0.859763
cg03218303	chr19	45596386		-0.16781	-2.49861	0.013413	0.861
cg20469879	chr19	37739757		-0.29682	-2.5071	0.013107	0.859541
cg13937462	chr11	624908		-0.35599	-2.5022	0.013283	0.859763
cg01881287	chr7	1.05E+08		0.569822	2.502173	0.013284	0.859763
cg00339104	chr7	32930089		-0.30452	-2.49946	0.013382	0.860784
cg14411929	chr21	37500450	DOPEY2;TTC3;CBR3-AS1;HLCS	0.537031	2.508641	0.013052	0.859395
cg26128079	chr12	1.27E+08	LINC00943	0.286477	2.5058	0.013153	0.859541
cg15120942	chr3	38071578		0.229173	2.499592	0.013377	0.860784
cg00499237	chr2	97169033	ANKRD36C;LINC00342;NEURL3;LMAN2L;FER1L5	0.425154	2.50648	0.013129	0.859541
cg10468951	chr3	50315816		-0.21636	-2.50706	0.013108	0.859541
cg26373716	chr8	53474030	ENSG00000206144	0.319969	2.504605	0.013196	0.859763
cg25085158	chr8	42199343		0.259817	2.50949	0.013021	0.858951
cg04578470	chr17	25620944		-0.24354	-2.50229	0.01328	0.859763
cg16120833	chr17	72443085	CD300A	0.218713	2.507962	0.013076	0.85948
cg24715767	chr1	14136518	PDPN	0.293358	2.506183	0.013139	0.859541
cg10583322	chr15	66350184		-0.37739	-2.50273	0.013264	0.859763
cg22340807	chr1	61378118		-0.43287	-2.50913	0.013034	0.859174
cg18017627	chr6	52268072		-0.36566	-2.50237	0.013276	0.859763
cg14718170	chr2	2.2E+08		0.313698	2.499183	0.013392	0.860784

cg14213814	chr13	49879669		0.327149	2.510548	0.012984	0.858727
cg11989949	chr10	32398550		0.282888	2.5065	0.013128	0.859541
cg22883919	chr12	48154459		0.395832	2.500178	0.013356	0.860658
cg03830329	chr6	1.01E+08		0.287828	2.500572	0.013342	0.860648
cg13432253	chr1	2.47E+08		0.259101	2.505998	0.013146	0.859541
cg05543419	chr3	1.02E+08		0.183282	2.51466	0.012839	0.857596
cg08587313	chr8	1.3E+08	FAM49B	-0.49459	-2.50363	0.013231	0.859763
cg01759136	chr6	27242945		0.462984	2.503521	0.013235	0.859763
cg05226292	chr8	71520850	EYA1	-0.16741	-2.5035	0.013236	0.859763
cg14166520	chr6	31532351		-0.20721	-2.49859	0.013414	0.861
cg19382019	chr19	48796188		-0.25718	-2.50361	0.013232	0.859763
cg24393084	chr13	89815421		-0.3546	-2.50182	0.013297	0.859933
cg07046885	chr11	64691615		0.283358	2.500932	0.013329	0.860353
cg16057598	chr2	1.73E+08	PDK1	-0.33011	-2.50811	0.013071	0.85948
ch.4.72691992R	chr4	72473128	UTP3	-0.2763	-2.50894	0.013041	0.859174
cg12724357	chr11	66790285		0.339987	2.500612	0.01334	0.860648
cg18062196	chr17	57642675		0.463572	2.500964	0.013328	0.860353
cg09629193	chr16	691570		0.291492	2.499236	0.01339	0.860784
cg04687040	chr8	1.42E+08		-0.41949	-2.51551	0.012809	0.857596
cg09934365	chr12	57472611		-0.39192	-2.50422	0.01321	0.859763
cg07232103	chr12	1.13E+08		-0.34493	-2.4997	0.013374	0.860784
cg05047908	chr7	1.57E+08		-0.23985	-2.49881	0.013406	0.861
cg07181862	chr12	4405584		0.196681	2.505632	0.013159	0.859541
cg09364980	chr19	29455913		-0.41785	-2.50773	0.013084	0.85948
cg03970319	chr7	1274752		-0.31172	-2.49886	0.013404	0.861

cg05059607	chr17	65488100		-0.34366	-2.499	0.013399	0.860963
cg10122079	chr1	38232225		0.539147	2.500446	0.013346	0.860658
cg02280908	chr2	28615925		-0.24804	-2.50797	0.013075	0.85948
cg08713073	chr5	1.41E+08		0.41809	2.502627	0.013267	0.859763
cg24032710	chr14	1.05E+08	ENSG00000257556;TRMT61A	-0.32428	-2.50281	0.013261	0.859763
cg18703721	chr10	75282672	PLAU	-0.37516	-2.50026	0.013353	0.860658
cg21807694	chr1	17248050	NECAP2	0.333067	2.50111	0.013322	0.860353
cg10991475	chr11	1.35E+08		-0.48175	-2.50291	0.013257	0.859763
cg21191241	chr8	63385433		0.315148	2.50004	0.013361	0.86072
cg13445796	chr11	20181725	ENSG00000255160	0.454442	2.500559	0.013342	0.860648
cg00744739	chr2	2.41E+08		-0.52895	-2.4974	0.013457	0.862188
cg21545390	chr7	96627190		0.328009	2.50223	0.013282	0.859763
cg20207715	chr17	77361608		-0.31632	-2.50135	0.013314	0.860353
cg12038521	chr19	2111714		0.221326	2.500205	0.013355	0.860658
cg23970891	chr7	1609835		-0.19319	-2.49737	0.013458	0.862188
cg14311245	chr17	17106170		-0.28653	-2.50309	0.013251	0.859763
cg11141463	chr7	1.16E+08		0.361308	2.50355	0.013234	0.859763
cg03502812	chr19	36435729	ZNF382	0.263685	2.506213	0.013138	0.859541
cg10985281	chr3	1.95E+08		0.268204	2.497384	0.013458	0.862188
cg22058855	chr6	27064968		0.231133	2.497987	0.013436	0.861515
cg18624636	chr10	91295358		-0.28095	-2.49602	0.013508	0.862697
cg10233133	chr1	2.28E+08		0.432421	2.505505	0.013164	0.859541
cg26600653	chr7	1.58E+08		0.270278	2.505814	0.013153	0.859541
cg15649384	chr2	1.39E+08		-0.35135	-2.50151	0.013308	0.860353

cg09378339	chr10	73078610		-0.28081	-2.49676	0.013481	0.862697
cg14873699	chr7	1.51E+08		0.250296	2.496008	0.013508	0.862697
cg18283554	chr12	1.24E+08		-0.30619	-2.50515	0.013177	0.859741
cg18994250	chr4	6107021		0.375404	2.498607	0.013413	0.861
cg07925066	chr1	1.01E+08		0.308183	2.50473	0.013192	0.859763
cg25020293	chr8	1.31E+08		-0.32889	-2.49838	0.013422	0.861296
cg12625437	chr5	70991040	MCCC2;ZNF366	-0.38928	-2.49972	0.013373	0.860784
cg05900883	chr18	13217421		-0.15111	-2.50141	0.013311	0.860353
cg01582396	chr5	53817963		-0.35069	-2.50437	0.013205	0.859763
cg18585560	chr14	70236546		0.337406	2.49447	0.013565	0.862987
cg24682760	chr11	97588992		0.28504	2.502891	0.013258	0.859763
cg20399871	chr7	27204663		0.263989	2.504161	0.013212	0.859763
cg11598062	chr8	1.42E+08		0.30027	2.50192	0.013293	0.859933
cg05140806	chr7	1.56E+08		0.324866	2.500046	0.013361	0.86072
cg08432452	chr11	64658936		-0.19744	-2.4993	0.013388	0.860784
cg08611402	chr4	80933006		-0.39547	-2.50033	0.013351	0.860658
cg26169558	chr3	1.14E+08		0.220055	2.505503	0.013164	0.859541
cg07858905	chr7	50450266		0.308041	2.501029	0.013325	0.860353
cg20679084	chr10	28966475		-0.19778	-2.49626	0.013499	0.862697
cg06826039	chr1	2.04E+08		-0.21556	-2.51136	0.012955	0.858697
cg08376530	chr6	1.63E+08		-0.46383	-2.50299	0.013254	0.859763
cg20638016	chr11	1.23E+08		0.34179	2.504102	0.013214	0.859763
cg18248273	chr17	77896431	C1QTNF1;TIMP2	-0.27939	-2.4982	0.013428	0.861296
cg19345602	chr11	1.26E+08	CDON	-0.36086	-2.49708	0.013469	0.862597
cg04173252	chr2	1.31E+08		-0.17093	-2.49209	0.013653	0.863931

cg08069675	chr12	1.33E+08		0.327079	2.503194	0.013247	0.859763
cg06098761	chr1	2.1E+08		-0.21992	-2.4953	0.013535	0.862697
cg04939496	chr10	75669647	PLAU;ADK	-0.40101	-2.49819	0.013428	0.861296
cg19686940	chr10	1.28E+08		0.333559	2.493792	0.01359	0.863107
cg17525102	chr14	29236221		0.414547	2.501045	0.013325	0.860353
cg04707703	chr2	2.31E+08		-0.2392	-2.50777	0.013083	0.85948
cg04458670	chr5	5421681		0.413183	2.495883	0.013513	0.862697
cg26747517	chr16	89344383		-0.25667	-2.49258	0.013635	0.863902
cg08166587	chr12	2696048	WNT5B	-0.32089	-2.49995	0.013364	0.860784
cg18503387	chr17	55927006		-0.35064	-2.49662	0.013486	0.862697
cg21012647	chr2	2.02E+08		-0.20957	-2.50319	0.013247	0.859763
cg00608534	chr15	40986962		-0.19276	-2.49572	0.013519	0.862697
cg05085973	chr11	65340056		0.132296	2.499062	0.013397	0.860938
cg06672120	chr16	85932383	IRF8;FOXL1	0.316071	2.500514	0.013344	0.860648
cg17227503	chr17	80012407		-0.17844	-2.50419	0.013211	0.859763
cg02603726	chr16	18812963		0.185238	2.496568	0.013488	0.862697
cg21460402	chr11	8285031		-0.30711	-2.50221	0.013283	0.859763
cg01075559	chr1	2537774	MMEL1	-0.26181	-2.4939	0.013586	0.862987
cg05671636	chr5	1.79E+08		-0.32486	-2.5012	0.013319	0.860353
cg10683775	chr6	1.44E+08		0.365345	2.492235	0.013647	0.863902
cg08081156	chr8	1.02E+08		-0.23035	-2.49445	0.013566	0.862987
ch.4.185753098R	chr4	1.86E+08		-0.94194	-2.4911	0.01369	0.86447
cg06392126	chr2	2.29E+08		-0.36391	-2.49882	0.013405	0.861
cg12262698	chr22	45704988	FAM118A	0.33967	2.495407	0.01353	0.862697
cg04380332	chr7	1.05E+08		0.395233	2.493957	0.013584	0.862987

cg27105390	chr19	23253316		0.332341	2.492727	0.013629	0.863902
cg16949378	chr17	2276201		-0.21382	-2.4971	0.013468	0.862597
cg11977326	chr1	44820970		0.149153	2.495561	0.013525	0.862697
cg13312576	chr3	1.12E+08		-0.3742	-2.49643	0.013493	0.862697
cg20313642	chr12	74688000		-0.44024	-2.49296	0.01362	0.863902
cg14918019	chr12	1.3E+08		-0.34533	-2.49459	0.01356	0.862987
cg02938320	chr2	2.23E+08	SGPP2	0.181417	2.495907	0.013512	0.862697
cg10160975	chr14	42075810		0.393391	2.492417	0.013641	0.863902
cg07431522	chr15	27210290		-0.34783	-2.4924	0.013641	0.863902
cg22413090	chr6	29986760		0.219185	2.498351	0.013423	0.861296
cg02720442	chr12	1.25E+08		0.213242	2.498706	0.01341	0.861
cg17849156	chr17	79255961		-0.21833	-2.49583	0.013515	0.862697
cg11145160	chr3	1.7E+08		0.327898	2.493632	0.013596	0.863225
cg04561822	chr19	3094117		-0.21235	-2.49521	0.013538	0.862697
cg10906826	chr2	2.41E+08		-0.31901	-2.49547	0.013528	0.862697
cg13020518	chr22	49575834		-0.3168	-2.4922	0.013649	0.863902
cg17357797	chr11	46265260		0.216975	2.502204	0.013283	0.859763
cg03947026	chr1	52832320		0.28908	2.495062	0.013543	0.862697
cg18401111	chr15	31773057		-0.29832	-2.49168	0.013668	0.86421
cg23062425	chr5	52083961		0.203802	2.494433	0.013566	0.862987
cg16218241	chr6	90597591		0.364823	2.494384	0.013568	0.862987
cg16057201	chr4	6642319		0.158519	2.502307	0.013279	0.859763
cg08382737	chr19	49617001	NTF4	0.619567	2.497385	0.013458	0.862188
cg18439833	chr1	917642		0.280081	2.495073	0.013543	0.862697
cg26735353	chr21	42213698		0.387848	2.492991	0.01362	0.863902

cg17138852	chr1	1.8E+08		0.465014	2.499712	0.013373	0.860784
cg03497399	chr3	33260934		0.371041	2.493983	0.013583	0.862987
cg14759740	chr20	60962311		0.16978	2.496277	0.013498	0.862697
cg19528610	chr8	33342193		0.310749	2.491891	0.01366	0.863931
cg01852328	chr7	6487989		-0.33087	-2.49807	0.013433	0.861455
cg26349484	chr10	1.07E+08		-0.36477	-2.4982	0.013428	0.861296
cg10660916	chr19	17984643		0.277292	2.490967	0.013695	0.86447
cg15690598	chr8	1.35E+08	NDRG1	-0.38725	-2.49764	0.013449	0.862071
cg24261177	chr8	96281885		-0.22639	-2.5038	0.013225	0.859763
cg18565783	chr10	57390704		0.501267	2.490798	0.013701	0.86447
cg05289253	chr11	1.23E+08		0.205422	2.496047	0.013507	0.862697
cg09337563	chr11	1.26E+08	DCPS	-0.78492	-2.50191	0.013293	0.859933
cg14472716	chr9	1.37E+08	ENSG00000233936;LINC00094	-0.28772	-2.49186	0.013662	0.863931
cg08577424	chr12	1.12E+08		0.351955	2.495991	0.013509	0.862697
cg02303807	chr1	31367595		-0.20309	-2.49111	0.013689	0.86447
cg01693090	chr17	41623848		0.166499	2.501415	0.013311	0.860353
cg23036405	chr5	1.71E+08		-0.39823	-2.49584	0.013515	0.862697
cg26682499	chr2	38342447	CYP1B1-AS1;PRKD3	-0.53576	-2.4925	0.013638	0.863902
cg00449798	chr13	25322015		0.333902	2.495213	0.013538	0.862697
cg00654637	chr9	1.31E+08		0.186436	2.504198	0.013211	0.859763
cg04706556	chr7	26526094		-0.28632	-2.49221	0.013649	0.863902
cg25903072	chr15	63334703		0.20712	2.500301	0.013352	0.860658

cg00931520	chr16	1231484	CACNA1H;C16orf91;TMEM204;PKD1;NME4;RAB11FIP3;ENSG00000261123;MSRB1	0.265315	2.492206	0.013649	0.863902
cg16767915	chr1	32221888		0.25544	2.489736	0.01374	0.86447
cg11368643	chr5	1.41E+08		0.382545	2.490615	0.013708	0.86447
cg21523564	chr15	75251491	CCDC33	0.35952	2.490706	0.013704	0.86447
cg15524336	chr11	8190822	OR5P3;RPL27A;ENSG00000251364;ENSG00000254951	0.235318	2.491864	0.013661	0.863931
cg04873147	chr13	73634369		-0.2888	-2.50551	0.013164	0.859541
cg16386523	chr11	49974622		0.50235	2.493159	0.013613	0.863902
cg06430387	chr10	60094511		0.289564	2.490601	0.013708	0.86447
cg15678744	chr5	1.72E+08	STK10	0.394257	2.492311	0.013645	0.863902
cg03576809	chr9	38619668		0.321803	2.492251	0.013647	0.863902
cg08670530	chr4	7042894		-0.33317	-2.48754	0.013822	0.86447
cg02829688	chr1	1.2E+08		0.307867	2.48738	0.013828	0.86447
cg07022289	chr1	2.38E+08		-0.33227	-2.49514	0.01354	0.862697
cg10734432	chr8	1.45E+08		-0.20885	-2.49003	0.013729	0.86447
cg03769383	chr12	41583367		0.373912	2.496877	0.013476	0.862695
cg19705197	chr10	6264090		-0.28168	-2.49668	0.013484	0.862697
cg11387301	chr19	15252043		0.336113	2.495172	0.013539	0.862697
cg01740650	chr16	84065271		-0.30286	-2.4946	0.01356	0.862987
cg25502950	chr5	1.5E+08	CSF1R;RPS14	0.274686	2.49127	0.013683	0.86447

cg02311725	chr20	30639816		0.214418	2.494167	0.013576	0.862987
cg10400440	chr11	9482413		-0.27161	-2.49679	0.01348	0.862697
cg21447620	chr8	1.44E+08		-0.27427	-2.48859	0.013783	0.86447
cg21775245	chr3	1.29E+08	COL6A5;KIAA1257	0.47624	2.487095	0.013839	0.86447
cg02071463	chr20	10200617		-0.38912	-2.49002	0.01373	0.86447
cg22779330	chr11	69061911	MYEOV;MTL5	-0.23423	-2.49077	0.013702	0.86447
cg06041985	chr20	442822		0.203989	2.494238	0.013573	0.862987
cg07511409	chr5	1.6E+08		0.268045	2.494082	0.013579	0.862987
cg09850980	chr5	36067127		0.250334	2.499483	0.013381	0.860784
cg20185454	chr17	47865453		0.389784	2.489648	0.013744	0.86447
cg11737318	chr8	1.31E+08		-0.35012	-2.50261	0.013268	0.859763
cg15056794	chr11	1.22E+08		-0.47415	-2.48727	0.013833	0.86447
cg17932425	chr19	17622159		-0.18006	-2.49938	0.013385	0.860784
cg07674277	chr16	88973351	CBFA2T3;ENSG00000261226;CDT1	-0.37465	-2.49192	0.013659	0.863931
cg18401367	chr5	1.76E+08		0.376806	2.490161	0.013725	0.86447
cg12449837	chr22	31364356	SEC14L3	0.395761	2.489919	0.013734	0.86447
cg22906113	chr11	68192736		-0.28264	-2.49224	0.013647	0.863902
cg24784466	chr17	39114732	KRT39;FKBP10;IGFBP4;ENSG00000234477;ACLY	-0.29268	-2.49394	0.013585	0.862987
cg03943839	chr16	18995532		0.278847	2.488109	0.013801	0.86447
cg11207852	chr1	91966655		-0.16109	-2.48759	0.013821	0.86447
cg01944593	chr16	48530677		0.33635	2.492835	0.013625	0.863902

cg03892543	chr16	84650330		0.406678	2.493045	0.013618	0.863902
cg17171325	chr3	10052813		-0.25165	-2.489	0.013768	0.86447
cg24540732	chr7	1.39E+08		-0.33661	-2.49225	0.013647	0.863902
cg11616237	chr5	1.6E+08		-0.24955	-2.5086	0.013053	0.859395
cg02944871	chr3	1.12E+08		0.339509	2.495077	0.013543	0.862697
cg15666275	chr19	57274897	ZIK1	-0.34249	-2.48393	0.013958	0.86447
cg13854727	chr11	35032430		-0.32067	-2.48618	0.013873	0.86447
cg00531745	chr6	34191048	BAK1;SPDEF	0.25501	2.490414	0.013715	0.86447
cg19854915	chr3	27770995		0.307395	2.50183	0.013296	0.859933
cg15870741	chr6	1.28E+08	YWHAZP4	-0.33466	-2.49701	0.013472	0.862597
cg05306225	chr8	4848947		0.375083	2.48927	0.013758	0.86447
cg24951286	chr5	1.41E+08		0.322029	2.486623	0.013857	0.86447
cg10181016	chr5	76087172	ZBED3;IQGAP2	-0.31244	-2.49039	0.013716	0.86447
cg16055945	chr13	1.14E+08	GAS6;F10;TMEM255B	0.426757	2.48997	0.013732	0.86447
cg18538812	chr11	59614095	MS4A8;FAM111B	-0.31185	-2.48605	0.013878	0.86447
cg16984619	chr11	6633451		0.164411	2.487019	0.013842	0.86447
cg17952824	chr10	44287023	RASGEF1A	-0.44643	-2.49105	0.013691	0.86447
cg10983206	chr10	7564401	SFMBT2;ATP5C1;ITIH5	-0.36259	-2.48673	0.013853	0.86447
cg09828010	chr5	1.74E+08		0.313767	2.495982	0.013509	0.862697
cg04124626	chr5	41509934		0.45793	2.484324	0.013943	0.86447
cg18566819	chr19	12147014		0.292946	2.487066	0.01384	0.86447
cg22304705	chr2	2.38E+08		-0.47326	-2.49934	0.013386	0.860784
cg06834661	chr10	71087834	TET1;COL13A1	0.362744	2.497652	0.013448	0.862071
cg22136383	chr15	24920631		-0.2738	-2.50439	0.013204	0.859763

cg27035087	chr6	28834254		-0.20332	-2.48689	0.013847	0.86447
cg15782604	chr3	1.36E+08		0.279536	2.492801	0.013627	0.863902
cg02775867	chr20	45438576		-0.33739	-2.49417	0.013576	0.862987
cg11490131	chr17	17124854		-0.30997	-2.49366	0.013595	0.863225
cg03239178	chr12	1.03E+08		0.411041	2.486872	0.013847	0.86447
cg08289412	chr16	66835626		0.464227	2.488467	0.013788	0.86447
cg21929472	chr8	27527865		-0.26152	-2.48877	0.013776	0.86447
cg17098415	chr1	995021		-0.207	-2.48551	0.013899	0.86447
cg09298934	chr6	43272572		-0.25803	-2.48706	0.01384	0.86447
cg24597131	chr1	15354730	KAZN	-0.30135	-2.491	0.013693	0.86447
cg09368875	chr1	1.11E+08		-0.32403	-2.49522	0.013537	0.862697
cg03582537	chr8	64081405		-0.24282	-2.48557	0.013896	0.86447
cg11135412	chr1	6637055		-0.2835	-2.49433	0.01357	0.862987
cg11543665	chr19	8373294		0.173379	2.495517	0.013526	0.862697
cg04135540	chr4	42296896		-0.33772	-2.4887	0.013779	0.86447
cg11792470	chr14	1.05E+08	CKB;ENSG00000257556	-0.68493	-2.48147	0.014052	0.86447
cg06288351	chr20	43729897		0.193796	2.488293	0.013794	0.86447
cg18140683	chr11	2950620		0.183036	2.489771	0.013739	0.86447
cg08879390	chr19	13979907		0.223828	2.487682	0.013817	0.86447
cg17212813	chr7	72413706		-0.20006	-2.49142	0.013678	0.86447
cg08222293	chr5	1.81E+08		0.226926	2.488867	0.013773	0.86447
cg10989897	chr1	50513645		0.404236	2.486882	0.013847	0.86447
cg09247949	chr6	24667244		0.151348	2.486468	0.013863	0.86447
cg02004723	chr20	42574341	TOX2;PTPRT;MYBL2;WISP2	0.360939	2.483629	0.01397	0.86447

cg02728263	chr9	34622261		0.237568	2.490165	0.013724	0.86447
cg17537177	chr12	1.31E+08		-0.38818	-2.48238	0.014017	0.86447
cg07481928	chr2	1.22E+08		-0.30622	-2.48862	0.013782	0.86447
cg04911679	chr12	1.24E+08	PITPNM2;ENSG00000251497	0.749236	2.484403	0.01394	0.86447
cg25082361	chr13	1.14E+08		0.309329	2.491918	0.013659	0.863931
cg09107161	chr1	2.41E+08		-0.42946	-2.48668	0.013855	0.86447
cg01093934	chr2	1.77E+08		-0.261	-2.49026	0.013721	0.86447
cg24639335	chr11	696374		0.274507	2.489371	0.013754	0.86447
cg01322975	chr10	1.18E+08		0.282207	2.48855	0.013785	0.86447
cg14324694	chr19	52099597		-0.29934	-2.4868	0.01385	0.86447
cg18581037	chr5	1.69E+08		0.367942	2.495762	0.013517	0.862697
cg07811255	chr10	7149062		-0.36552	-2.48835	0.013792	0.86447
cg08493904	chr2	70507416		-0.40915	-2.48878	0.013776	0.86447
cg17039391	chr11	12030272		-0.24885	-2.48413	0.013951	0.86447
cg19958890	chr3	63637558		0.342474	2.486702	0.013854	0.86447
cg14951856	chr10	80275252		-0.25148	-2.48788	0.01381	0.86447
cg21902754	chr19	53073712		0.235726	2.492251	0.013647	0.863902
cg09559189	chr8	25898412	CDCA2	0.4189	2.482687	0.014005	0.86447
cg09911747	chr14	99645128		0.429219	2.48651	0.013861	0.86447
cg05342515	chr2	1.77E+08		0.259236	2.489405	0.013753	0.86447
cg23214308	chr11	1.3E+08		-0.26269	-2.48842	0.01379	0.86447
cg07515422	chr19	40993713		0.413364	2.482009	0.014031	0.86447
cg02936740	chr4	68995995		-0.41777	-2.48686	0.013848	0.86447
cg02297616	chr1	40255140		0.213038	2.487157	0.013837	0.86447

cg08876518	chr16	81528229	CENPN;CMIP	-0.34956	-2.48613	0.013875	0.86447
cg10092935	chr15	43594820		-0.27427	-2.48603	0.013879	0.86447
cg22720041	chr19	44952725		0.469232	2.48275	0.014003	0.86447
cg17463277	chr3	1.8E+08		-0.24809	-2.48338	0.013979	0.86447
cg15600398	chr3	45729894		-0.35589	-2.48694	0.013845	0.86447
cg22234855	chr19	44006148		0.394036	2.48616	0.013874	0.86447
cg03729431	chr17	15848264		0.180459	2.48479	0.013926	0.86447
cg00660843	chr12	54954400		0.508547	2.480422	0.014091	0.86447
cg18903719	chr5	1.33E+08		0.138047	2.483695	0.013967	0.86447
cg15231942	chr19	873330		-0.643	-2.48439	0.013941	0.86447
cg05210412	chr17	58227342		0.313027	2.494756	0.013554	0.862987
cg16822143	chr10	28011765		0.377071	2.485354	0.013905	0.86447
cg23737229	chr21	28218646		-0.20652	-2.48753	0.013823	0.86447
cg26082320	chr14	23240781		0.194133	2.482781	0.014002	0.86447
cg18191209	chr2	795478		-0.35501	-2.49032	0.013718	0.86447
cg08226300	chr3	49695806	C3orf18;LAMB2	0.237377	2.481957	0.014033	0.86447
cg20465143	chr8	1.45E+08		-0.21193	-2.4887	0.013779	0.86447
cg11674404	chr4	1.77E+08		0.450218	2.499193	0.013392	0.860784
cg06215691	chr13	26624487		0.27484	2.483665	0.013968	0.86447
cg05331498	chr3	53880775		0.251003	2.482046	0.01403	0.86447
cg07381634	chr17	37753860		0.395677	2.482393	0.014016	0.86447
cg05276226	chr8	39441968		-0.35459	-2.49455	0.013562	0.862987
cg01022087	chr7	38726323		-0.29479	-2.48797	0.013806	0.86447
cg01825137	chr3	1.05E+08		-0.41996	-2.48684	0.013849	0.86447
cg14692709	chr6	33137258		-0.26819	-2.486	0.01388	0.86447

cg07345240	chr22	41556691		0.260429	2.490236	0.013722	0.86447
cg02281208	chr15	27216008		0.341673	2.483611	0.01397	0.86447
cg01613455	chr7	98248852		-0.31083	-2.48358	0.013972	0.86447
cg21915313	chr5	1.41E+08	DIAPH1	0.477261	2.491183	0.013687	0.86447
cg05970846	chr16	28857979		-0.23817	-2.48629	0.013869	0.86447
cg08962767	chr12	53773782		-0.33621	-2.4949	0.013549	0.862956
cg24425316	chr18	77400225		0.430419	2.484243	0.013946	0.86447
cg04905755	chr2	18635845		-0.27916	-2.48495	0.01392	0.86447
cg04481923	chr5	1.35E+08		0.614114	2.511564	0.012948	0.858697
cg13613011	chr9	1.33E+08		-0.25823	-2.48314	0.013988	0.86447
cg23527902	chr17	61515708	C17orf72	0.303937	2.486716	0.013853	0.86447
cg04261138	chr5	87968636		0.353216	2.482736	0.014003	0.86447
cg05271276	chr15	59279841		-0.28679	-2.48415	0.01395	0.86447
cg22045271	chr1	9711650		-0.30154	-2.48494	0.01392	0.86447
cg21527708	chr1	1.12E+08	DENND2D	-0.29873	-2.48662	0.013857	0.86447
cg09766671	chr19	8595087		0.303705	2.482648	0.014007	0.86447
cg15784784	chr11	66628295		-0.27586	-2.48794	0.013807	0.86447
cg18998321	chr18	7038943		0.564582	2.48711	0.013839	0.86447
cg26935649	chr19	19369669		0.247607	2.4876	0.01382	0.86447
cg13909826	chr1	1.09E+08		-0.34545	-2.48048	0.014089	0.86447
cg08850369	chr3	36421231		-0.36298	-2.47669	0.014234	0.86447
cg23447239	chr7	1.58E+08		-0.3174	-2.48439	0.013941	0.86447
cg21174344	chr9	99450036	EIF4BP3	-0.36489	-2.47692	0.014226	0.86447
cg10254692	chr6	1.44E+08	PLAGL1	0.39422	2.479579	0.014124	0.86447
cg16575998	chr2	47382739		0.359102	2.479689	0.014119	0.86447

cg08634041	chr13	78494330		0.342414	2.485457	0.013901	0.86447
cg23810282	chr5	43037519		0.511449	2.482082	0.014028	0.86447
cg17462200	chr12	1.15E+08		0.335885	2.48286	0.013999	0.86447
cg22646408	chr10	73256318		-0.29943	-2.47987	0.014113	0.86447
cg16129213	chr21	33030780		0.310087	2.482569	0.01401	0.86447
cg18709110	chr17	1094555		-0.37512	-2.47785	0.01419	0.86447
cg10202557	chr4	24982173	SOD3	0.305843	2.485345	0.013905	0.86447
cg26983710	chr2	1.55E+08		0.436258	2.478957	0.014147	0.86447
cg08162337	chr19	41223262		-0.18599	-2.48232	0.014019	0.86447
cg09123484	chr1	15853263		-0.17493	-2.4812	0.014062	0.86447
cg06446466	chr19	19310798	ZNF101	0.281643	2.481901	0.014035	0.86447
cg00714762	chr17	40021969	GHDC	0.238408	2.483103	0.01399	0.86447
cg24461772	chr11	34018640		-0.24878	-2.48308	0.01399	0.86447
cg19471399	chr12	514252	ENSG00000261799	-0.34078	-2.47999	0.014108	0.86447
cg00049475	chr10	29923736		0.423826	2.483914	0.013959	0.86447
cg23545299	chr10	7763753		-0.31843	-2.4768	0.01423	0.86447
cg04958337	chr12	6489206	ANO2;LEPREL2;IFFO1;VWF;SCNN1A;CD9;CLSTN3;RBP5;GNB3;ENSG00000257084;NTF3;ATN1;MRPL51;TPI1	-0.37823	-2.48373	0.013966	0.86447
cg16340618	chr18	55104628		0.303812	2.480924	0.014072	0.86447
cg08800710	chr13	1.13E+08		0.299505	2.486268	0.01387	0.86447
cg13341153	chr10	1.2E+08		0.318776	2.48869	0.013779	0.86447

cg25354587	chr12	3590738		-0.43469	-2.48096	0.014071	0.86447
cg05149097	chr11	59325534		0.350754	2.48181	0.014039	0.86447
cg26469955	chr2	44000110		-0.34257	-2.48182	0.014038	0.86447
cg04543289	chr16	24267559		0.320041	2.47947	0.014128	0.86447
cg21703813	chr8	30437738		-0.27365	-2.48078	0.014078	0.86447
cg02243479	chr17	78859959		0.35731	2.480373	0.014093	0.86447
cg18930444	chr2	2.4E+08	LINC01107	0.333266	2.482013	0.014031	0.86447
cg26993466	chr5	1546899		-0.2478	-2.47812	0.014179	0.86447
cg17544762	chr6	1.51E+08		0.473125	2.477088	0.014219	0.86447
cg18264925	chr3	1.34E+08		0.200198	2.480238	0.014098	0.86447
cg07594933	chr12	515355		0.276355	2.477382	0.014208	0.86447
cg15692279	chr1	1.5E+08		0.177221	2.48438	0.013941	0.86447
cg10247798	chr3	52008826		-0.29331	-2.48569	0.013892	0.86447
cg07750130	chr7	1708114		-0.28287	-2.47954	0.014125	0.86447
cg08264266	chr6	1.24E+08		0.334338	2.480509	0.014088	0.86447
cg04481888	chr5	1.79E+08	ZFP2	0.411961	2.47791	0.014187	0.86447
cg23921145	chr1	2.42E+08		-0.18572	-2.48131	0.014058	0.86447
cg06323727	chr9	1.4E+08		0.379123	2.485014	0.013917	0.86447
cg11265941	chr15	25068738		0.267606	2.480101	0.014104	0.86447
cg13671601	chr22	31218741		-0.26749	-2.48421	0.013948	0.86447
cg00008819	chr4	3257791		0.267036	2.482059	0.014029	0.86447
cg17680696	chr10	1.16E+08		-0.2367	-2.48075	0.014079	0.86447
cg05032135	chr7	1.39E+08		0.156006	2.479347	0.014132	0.86447
cg27109129	chr4	74864165		0.409321	2.484375	0.013941	0.86447
cg22764044	chr5	1.79E+08		0.455679	2.480175	0.014101	0.86447

cg08695418	chr4	6729199		0.574555	2.477946	0.014186	0.86447
cg07436152	chr6	50819236		0.450812	2.4816	0.014047	0.86447
cg01644112	chr14	1.01E+08		-0.30727	-2.48215	0.014026	0.86447
cg24914474	chr10	92913238		0.271614	2.496434	0.013493	0.862697
cg21090033	chr3	1.96E+08	DLG1;SLC51A;MUC4;PCYT1A	-0.50706	-2.48453	0.013936	0.86447
cg22072795	chr18	56932169		-0.18261	-2.48129	0.014058	0.86447
cg06497198	chr6	18122965		0.319978	2.477271	0.014212	0.86447
ch.10.5571894F	chr10	5581896		-0.4411	-2.48847	0.013788	0.86447
cg19605749	chr14	93582412		-0.15405	-2.48164	0.014045	0.86447
cg02592144	chr5	1538204		0.280002	2.486491	0.013862	0.86447
cg05725721	chr3	1.61E+08		0.270268	2.483348	0.01398	0.86447
cg02577909	chr9	1.37E+08	ADAMTSL2;COL5A1;LINC00094;GBGT1	0.356979	2.48216	0.014025	0.86447
cg07068756	chr4	41258910		0.227048	2.487926	0.013808	0.86447
cg02051239	chr2	74375507		0.344462	2.478638	0.01416	0.86447
cg12068791	chr11	66102352		-0.20159	-2.47733	0.01421	0.86447
cg24841424	chr19	57657658		0.415733	2.485195	0.013911	0.86447
cg02424249	chr13	65532581		-0.31469	-2.48161	0.014046	0.86447
cg10549156	chr7	1E+08		-0.13974	-2.48081	0.014077	0.86447
cg13190493	chr17	27620817	ENSG00000265845	0.261054	2.484248	0.013946	0.86447
cg00417297	chr3	40518742		-0.23187	-2.48441	0.01394	0.86447
cg17447877	chr11	65554407		-0.20394	-2.48651	0.013861	0.86447
cg20117742	chr19	54876795	LILRA1;PTPRH	0.442752	2.484806	0.013925	0.86447
cg14748380	chr1	1.8E+08		0.359381	2.481643	0.014045	0.86447

cg20744625	chr10	64578469		0.256759	2.48445	0.013939	0.86447
cg11486350	chr5	50685301		0.363846	2.487743	0.013815	0.86447
cg10032599	chr16	51560612		0.314575	2.48242	0.014015	0.86447
cg25681872	chr6	27862708		0.247941	2.488295	0.013794	0.86447
cg07889329	chr6	37666155		-0.2408	-2.47724	0.014213	0.86447
cg12682684	chr4	66535403		0.560984	2.479168	0.014139	0.86447
cg05270344	chr7	79083635		0.316627	2.481037	0.014068	0.86447
cg16922688	chr6	29588173		-0.21552	-2.47791	0.014187	0.86447
cg17861230	chr19	18343901		0.441386	2.475103	0.014295	0.865425
cg25550390	chr19	58521057	ZNF773;ZNF671;ZNF418;ZNF154;ZIK1	0.262528	2.476615	0.014237	0.86447
cg20892260	chr8	23564025		0.347343	2.485088	0.013915	0.86447
cg02766820	chr12	57482762		-0.16608	-2.48005	0.014106	0.86447
cg00532449	chr1	2375420	SKI	0.662296	2.476156	0.014255	0.86447
cg02770688	chr6	1.68E+08		-0.56824	-2.47971	0.014119	0.86447
cg04914832	chr1	2828293		0.336349	2.480224	0.014099	0.86447
cg13721551	chr9	1.01E+08	ALG2	-0.27739	-2.4842	0.013948	0.86447
cg26749475	chr10	89580388		-0.33832	-2.48261	0.014008	0.86447
cg04518928	chr16	67840678	SLC7A6OS	-0.20486	-2.47356	0.014355	0.866317
cg20077042	chr11	65582810	SIPA1;CTSW	-0.21646	-2.49441	0.013567	0.862987
cg05847835	chr2	1.4E+08		-0.34499	-2.47623	0.014252	0.86447
cg23375440	chr11	57479998		-0.18325	-2.47973	0.014118	0.86447
cg01357409	chr2	1.78E+08		0.152105	2.47778	0.014192	0.86447
cg07569179	chr12	76679129		-0.27821	-2.48216	0.014025	0.86447

cg10632525	chr22	28195524	TTC28	0.25862	2.487688	0.013817	0.86447
cg11011625	chr5	1.41E+08		0.31164	2.480677	0.014082	0.86447
cg16783571	chr6	74064594		0.596654	2.475381	0.014285	0.864952
cg17848407	chr5	1.26E+08		0.491872	2.477931	0.014187	0.86447
cg16364817	chr16	84079266		-0.30847	-2.48012	0.014103	0.86447
cg17198019	chr17	59561972		-0.35807	-2.47935	0.014132	0.86447
cg27056436	chr7	5569463		-0.20708	-2.48368	0.013968	0.86447
cg14424530	chr13	30170129		-0.22963	-2.48059	0.014085	0.86447
cg24149528	chr15	26341034		0.337659	2.482856	0.013999	0.86447
cg22144450	chr17	38080378	CASC3;TOP2A;CDC6;THRA	-0.18323	-2.48006	0.014105	0.86447
cg06060135	chr5	3596704		0.360467	2.473307	0.014365	0.866371
cg10322909	chr16	58568272		-0.31169	-2.48515	0.013912	0.86447
cg26717133	chr10	85953953		-0.26133	-2.48053	0.014087	0.86447
cg06640020	chr6	1.68E+08		0.267926	2.479317	0.014134	0.86447
cg27296330	chr19	54041251	CDC42EP5	0.272224	2.492907	0.013623	0.863902
cg26589665	chr15	71623290	ENSG00000260586;NR2E3;UACA;ENSG00000259964	0.368074	2.478031	0.014183	0.86447
cg11635304	chr5	1.8E+08		0.347825	2.477274	0.014212	0.86447
cg06478398	chr19	1479426		0.201236	2.48253	0.014011	0.86447
cg08615699	chr4	1.88E+08		0.25169	2.479673	0.01412	0.86447
cg13594797	chr15	97720753		0.314639	2.475807	0.014268	0.86447
cg19749560	chr5	693491	ZDHHC11B	-0.20145	-2.48322	0.013985	0.86447
cg23368787	chr19	36049342		0.30616	2.475894	0.014265	0.86447

cg04462652	chr2	1.33E+08		-0.34854	-2.48698	0.013843	0.86447
cg24729378	chr1	43609431	MPL;TIE1	0.416524	2.478917	0.014149	0.86447
cg14451560	chr9	1.4E+08		-0.20896	-2.47704	0.014221	0.86447
cg11570511	chr1	16543021		0.341234	2.477774	0.014193	0.86447
cg27131667	chr16	89619402		-0.16402	-2.48051	0.014088	0.86447
cg04796498	chr8	1.46E+08		0.28907	2.474578	0.014316	0.865846
cg24576026	chr17	75290917		0.477283	2.474367	0.014324	0.865978
cg01525538	chr1	2.29E+08	RAB4A;HIST3H2A;ABCB10	0.490287	2.474676	0.014312	0.865747
cg11426224	chr12	54567248	ITGB7	-0.21772	-2.47332	0.014365	0.866371
cg25141890	chr1	1.79E+08		-0.20226	-2.47711	0.014218	0.86447
cg10783680	chr17	74099835		-0.19539	-2.47507	0.014297	0.865425
cg06368618	chr10	1.01E+08		0.368232	2.477732	0.014194	0.86447
cg15799072	chr6	15248335		0.282594	2.473508	0.014357	0.866317
cg23867441	chr13	33769544	PDS5B	0.358444	2.481528	0.014049	0.86447
cg01364423	chr1	2.35E+08		-0.21509	-2.47839	0.014169	0.86447
cg23872389	chr18	19183095		-0.2934	-2.47593	0.014264	0.86447
cg00712686	chr17	46102784	LRRC46	0.173599	2.480282	0.014097	0.86447
cg05026186	chr5	1.49E+08		0.394541	2.474502	0.014319	0.865904
cg05989984	chr12	1.22E+08		-0.34747	-2.47919	0.014139	0.86447
cg10191404	chr8	1.36E+08	KHDRBS3	-0.35227	-2.48071	0.01408	0.86447
cg03909500	chr5	33936597	ENSG00000272323	0.280881	2.483869	0.013961	0.86447
cg25340966	chr1	1.2E+08		0.433769	2.4775	0.014203	0.86447
cg05011113	chr1	29804189	SNHG3;RCC1	0.276388	2.475692	0.014273	0.86447
cg05950673	chr5	1807188		0.30519	2.476462	0.014243	0.86447

cg10716823	chr15	69744850		0.428537	2.473904	0.014342	0.866268
cg08578216	chr8	22735478		-0.40456	-2.47591	0.014264	0.86447
cg19673424	chr14	93673304		-0.22213	-2.476	0.014261	0.86447
cg07673538	chr2	36824338		0.317582	2.47996	0.014109	0.86447
cg13367929	chr5	1.76E+08		0.284723	2.474287	0.014327	0.865978
cg01209118	chr6	1.08E+08		-0.18549	-2.47768	0.014196	0.86447
cg08072716	chr3	51989692		0.20197	2.477725	0.014195	0.86447
cg08639244	chr19	41945921		-0.20907	-2.4785	0.014165	0.86447
cg10432987	chr17	136544		-0.3329	-2.48083	0.014076	0.86447
cg13775495	chr3	1.6E+08		0.188192	2.469278	0.014522	0.86711
cg22517351	chr19	17666898		-0.17261	-2.47763	0.014198	0.86447
cg00800365	chr15	90318772		0.294634	2.472848	0.014383	0.866711
cg11698180	chr21	46019376		-0.2271	-2.47773	0.014194	0.86447
cg20935156	chr4	2252845		-0.30169	-2.47323	0.014368	0.866423
ch.8.20603847F	chr8	20559567	LPL	-0.45886	-2.47994	0.01411	0.86447
cg20358492	chr7	1.58E+08		-0.20496	-2.47304	0.014376	0.86664
cg15003695	chr4	39978799		-0.35155	-2.47574	0.014271	0.86447
cg10507099	chr16	67282837		-0.17703	-2.47365	0.014352	0.866317
cg03893271	chr7	70597458		0.403094	2.478136	0.014179	0.86447
cg13930643	chr9	86323646		0.342957	2.480291	0.014096	0.86447
cg07929629	chr2	2.42E+08		0.310915	2.472661	0.01439	0.866711
cg19820919	chr1	9380800	SPSB1;SLC45A1	-0.2936	-2.47644	0.014244	0.86447
cg26845297	chr4	85422409		0.266056	2.483304	0.013982	0.86447
cg23271099	chr6	43149472		0.301129	2.475796	0.014269	0.86447
cg00461174	chr12	14651515		-0.30301	-2.47387	0.014343	0.866268

cg26291848	chr8	1.42E+08	-0.32071	-2.48022	0.014099	0.86447
cg06791812	chr14	1.06E+08	-0.2912	-2.47014	0.014488	0.86711
cg24679317	chr17	20515873	-0.21741	-2.46866	0.014546	0.86711
cg05296192	chr14	88790393	0.288754	2.469484	0.014514	0.86711
cg03052080	chr2	1.21E+08	0.217113	2.476097	0.014257	0.86447
cg16292251	chr7	1.02E+08	0.200418	2.4758	0.014269	0.86447
cg13407062	chr8	1.44E+08	-0.21796	-2.4783	0.014172	0.86447
cg14714797	chr5	343927	0.461479	2.472077	0.014413	0.866711
cg16931068	chr20	139680	-0.36859	-2.47078	0.014463	0.866837
cg22839123	chr10	73157611	0.227202	2.474673	0.014312	0.865747
cg27328236	chr10	5558309	0.340661	2.47552	0.014279	0.864749
cg17553149	chr6	27483069	0.407723	2.473756	0.014348	0.866317
cg15145357	chr6	1.71E+08	-0.17363	-2.47882	0.014153	0.86447
cg18122392	chr2	99013409	-0.51239	-2.47742	0.014206	0.86447
cg23479053	chr14	1.06E+08	-0.22675	-2.47208	0.014413	0.866711
cg26195812	chr2	27071332	0.26179	2.471656	0.014429	0.866711
cg14826797	chr5	33444867	0.348676	2.47671	0.014234	0.86447
cg26163843	chr14	34944819	-0.16309	-2.47174	0.014426	0.866711
cg14516246	chr6	27440625	-0.17529	-2.47906	0.014143	0.86447
cg23797252	chr10	1.35E+08	-0.28751	-2.48182	0.014038	0.86447
cg21893154	chr20	62493317	-0.24348	-2.47059	0.014471	0.867067
cg04610985	chr8	20237098	-0.19482	-2.47584	0.014267	0.86447
cg02996570	chr11	70001114	-0.2328	-2.47261	0.014392	0.866711
cg03207439	chr20	9495199	0.213742	2.483837	0.013962	0.86447
cg18558108	chr8	1.31E+08	0.292338	2.474084	0.014335	0.866024

cg25647415	chr3	50304250		0.194845	2.476923	0.014225	0.86447
cg01393233	chr1	64935571		0.290352	2.474902	0.014303	0.865581
cg11802732	chr17	2206917		-0.31499	-2.47354	0.014356	0.866317
cg19518308	chr2	11622904		0.338087	2.470864	0.01446	0.866837
cg26452811	chr15	65666640		-0.38644	-2.46834	0.014559	0.86711
cg23884924	chr19	18882253		0.474091	2.469346	0.014519	0.86711
cg19942237	chr7	29603211	DPY19L2P3	0.253572	2.47791	0.014187	0.86447
cg21131796	chr12	1.25E+08		-0.35945	-2.47957	0.014124	0.86447
cg20351327	chr22	36925411		-0.21331	-2.47082	0.014462	0.866837
cg04608811	chr17	74671934		-0.19977	-2.4797	0.014119	0.86447
cg00380283	chr20	4680397		0.246946	2.468573	0.01455	0.86711
cg05110803	chr15	99385323		-0.44405	-2.47425	0.014328	0.865978
cg05570096	chr8	1.46E+08		0.199355	2.468128	0.014567	0.86711
cg02382016	chr16	53406901	ENSG00000262714	0.27436	2.49046	0.013713	0.86447
cg04502620	chr16	30020843	ENSG00000260219	0.294675	2.467638	0.014586	0.86711
cg15846434	chr18	76733103		0.300903	2.474359	0.014324	0.865978
cg01835446	chr22	50845159		0.295089	2.476118	0.014256	0.86447
cg26751513	chr16	1542910	CCDC78;IFT140;WDR90;BAIAP3;HAGHL;RNPS1;TPSB2	0.293878	2.467604	0.014588	0.86711
cg03720027	chr19	21766543		0.28158	2.471776	0.014424	0.866711
cg20545167	chr10	4482624		-0.4164	-2.46912	0.014528	0.86711
cg00736915	chr12	1.22E+08		-0.3256	-2.47131	0.014442	0.866711
cg02969214	chr6	32037602		-0.26528	-2.47352	0.014357	0.866317
cg24942186	chr3	55521373		-0.28042	-2.46905	0.014531	0.86711

cg22974467	chr11	77168514		-0.2865	-2.48164	0.014045	0.86447
cg01048445	chr2	2.42E+08		0.345785	2.469736	0.014504	0.86711
cg04947084	chr2	2.32E+08		0.198966	2.471281	0.014444	0.866711
cg18183406	chr17	40556833		0.468742	2.472368	0.014401	0.866711
cg04381380	chr17	18266459		-0.21339	-2.47913	0.014141	0.86447
cg11208222	chr5	7852098	C5orf49;FASTKD3;MTRR	0.464236	2.486892	0.013847	0.86447
cg11631265	chr8	1.45E+08		-0.23595	-2.47495	0.014301	0.865581
cg23264443	chr19	4854690		0.251848	2.467488	0.014592	0.86711
cg27046641	chr8	1.38E+08		0.399332	2.467335	0.014598	0.86711
cg25802093	chr10	22634038		0.350354	2.471761	0.014425	0.866711
cg06544464	chr22	39627591		-0.27544	-2.47152	0.014434	0.866711
cg09150559	chr5	1.41E+08		0.592804	2.468486	0.014553	0.86711
cg25337150	chr10	1.04E+08		-0.14647	-2.47313	0.014372	0.866544
cg11517528	chr2	1.28E+08		-0.25129	-2.4659	0.014655	0.86711
cg00415333	chr6	1.37E+08	PDE7B;IL20RA	0.493124	2.472232	0.014407	0.866711
cg08379158	chr2	2.34E+08		0.2305	2.475766	0.01427	0.86447
cg07364046	chr12	93861583		-0.24057	-2.47129	0.014443	0.866711
cg26835506	chr6	1.09E+08		-0.28058	-2.47037	0.014479	0.86711
cg19937938	chr20	983002		0.360989	2.472175	0.014409	0.866711
cg16693313	chr10	30147659		0.337262	2.46758	0.014589	0.86711
cg10727812	chr2	2.11E+08		-0.38664	-2.46321	0.014761	0.86711
cg08047376	chr2	79739940		-0.2218	-2.46874	0.014543	0.86711
cg09498572	chr13	1.13E+08		0.349729	2.478746	0.014155	0.86447
cg26350921	chr17	77987482		-0.36754	-2.47241	0.0144	0.866711

cg20668644	chr17	38347603	RAPGEFL1;KRT23;TOP2A	0.38262	2.47332	0.014364	0.866371
cg25847633	chr6	35744230		-0.25048	-2.46797	0.014573	0.86711
cg20980653	chr6	33143760	TAPBP;PSMB8;TAP2	-0.28862	-2.4671	0.014608	0.86711
cg23334433	chr17	79129051	TSPAN10	-0.36627	-2.47747	0.014204	0.86447
cg10617494	chr13	27847696		0.367972	2.469811	0.014501	0.86711
cg03942922	chr6	41064480		0.294945	2.465367	0.014676	0.86711
cg16033941	chr1	3527997		-0.22443	-2.46963	0.014508	0.86711
cg00650309	chr15	43476352	STARD9	-0.36345	-2.46468	0.014703	0.86711
cg05817664	chr1	2.13E+08		0.183219	2.47885	0.014151	0.86447
cg24543488	chr6	1.19E+08		-0.18868	-2.47417	0.014332	0.865978
cg13141009	chr3	1.8E+08		0.411068	2.476382	0.014246	0.86447
cg26418507	chr12	54121361		-0.18308	-2.46645	0.014633	0.86711
cg22389137	chr4	1.13E+08		0.298988	2.474698	0.014311	0.865747
cg15636792	chr21	47552628		-0.31139	-2.46729	0.0146	0.86711
cg05458764	chr5	678009	ENSG00000260774	0.267223	2.467507	0.014591	0.86711
cg08464498	chr17	1375307		0.220108	2.471577	0.014432	0.866711
cg01356558	chr13	1.14E+08		-0.32741	-2.4682	0.014564	0.86711
cg20881910	chr11	1.32E+08		0.322155	2.472697	0.014389	0.866711
cg19277050	chr1	24069823		0.299773	2.47056	0.014472	0.867067
cg16330755	chr10	1.05E+08		0.41248	2.468148	0.014566	0.86711
cg14795112	chr1	1.61E+08	CD84;CD48;SLAMF1;SLAMF7;FCER1G;FCGR2C	-0.22101	-2.46777	0.014581	0.86711
cg15557758	chr1	13828828		-0.25336	-2.46717	0.014605	0.86711

cg01144053	chr2	7571361	ENSG00000235576	0.245471	2.472975	0.014378	0.866659
cg16907154	chr2	1.76E+08		-0.25266	-2.47158	0.014432	0.866711
cg10451772	chr3	1.27E+08		-0.23205	-2.46761	0.014587	0.86711
cg20538860	chr3	81806785		-0.42554	-2.46817	0.014565	0.86711
cg19688289	chr1	23671188		0.16676	2.469767	0.014503	0.86711
cg09830481	chr20	5730859		0.319204	2.474155	0.014332	0.865978
cg16287766	chr6	34495124		-0.21508	-2.46312	0.014765	0.86711
cg17501823	chr12	47219793		0.450512	2.471112	0.01445	0.866748
cg16935707	chr11	1.15E+08		0.269751	2.477101	0.014219	0.86447
cg17309592	chr3	49591741		-0.26904	-2.47003	0.014493	0.86711
cg04663692	chr12	97885669		-0.40705	-2.46644	0.014633	0.86711
cg01116021	chr2	2.37E+08		-0.25593	-2.46575	0.014661	0.86711
cg17838359	chr5	52780901		-0.25118	-2.46291	0.014773	0.86711
cg16867086	chr13	98826197		0.481382	2.463685	0.014742	0.86711
cg06494356	chr19	24182718	ENSG00000233836	-0.25538	-2.46416	0.014724	0.86711
ch.15.403279R	chr15	40916970		-0.37136	-2.47219	0.014408	0.866711
cg16757990	chr3	1.58E+08		0.240032	2.468629	0.014547	0.86711
cg22846391	chr5	1.76E+08		-0.26286	-2.46477	0.014699	0.86711
cg22873539	chr4	1.48E+08		0.366234	2.467799	0.01458	0.86711
cg25413342	chr13	30613228	UBL3;TEX26;MTUS2	-0.36846	-2.47078	0.014463	0.866837
cg22531663	chr4	967528		-0.17013	-2.46958	0.01451	0.86711
cg11084518	chr1	36644849	CLSPN;MAP7D1;MRPS15;TEKT2	0.319008	2.463812	0.014737	0.86711
cg26038461	chr2	25108362		-0.20206	-2.46592	0.014654	0.86711

cg11697464	chr6	1.43E+08	HIVEP2	0.177971	2.465677	0.014664	0.86711
cg05956273	chr19	4580470		-0.32496	-2.47143	0.014438	0.866711
cg25261377	chr6	30313517	HLA-F;PPP1R11	0.466339	2.472032	0.014414	0.866711
cg06659629	chr4	660405		0.2994	2.475876	0.014266	0.86447
cg16044251	chr6	29521695	HCG14	0.528838	2.472147	0.01441	0.866711
cg10435123	chr12	1.11E+08		-0.15461	-2.47223	0.014407	0.866711
cg25949941	chr19	54974900		-0.22752	-2.4626	0.014786	0.86711
cg25149037	chr17	39736213	KRT23;KRT14	0.331714	2.467168	0.014605	0.86711
cg01835326	chr16	65573166		-0.37052	-2.46737	0.014597	0.86711
cg05307301	chr1	41268493		0.262574	2.460435	0.014872	0.86711
cg24655706	chr7	1.27E+08		-0.4237	-2.46267	0.014783	0.86711
cg24874557	chr11	1321929	IGF2;TSPAN4	0.344096	2.464222	0.014721	0.86711
cg23752923	chr1	85513892		-0.16834	-2.46802	0.014571	0.86711
cg05388963	chr16	3304261		-0.46884	-2.47183	0.014422	0.866711
cg13920824	chr10	92631648		0.36935	2.469367	0.014518	0.86711
cg15108645	chr7	937705	CYP2W1	0.30846	2.463964	0.014731	0.86711
cg05851866	chr13	1.09E+08		-0.36686	-2.4817	0.014043	0.86447
cg21481275	chr13	1.01E+08		0.378781	2.473487	0.014358	0.866317
cg02813542	chr11	33084877		-0.24898	-2.47689	0.014227	0.86447
cg04175833	chr6	45634971		0.231499	2.470338	0.014481	0.86711
cg17827767	chr10	86001154		-0.35759	-2.46365	0.014744	0.86711
cg15765817	chr11	78614359		0.435737	2.465958	0.014652	0.86711
cg02049217	chr8	13191645		-0.33236	-2.46551	0.01467	0.86711
cg18496662	chr10	1.27E+08		-0.26224	-2.46555	0.014669	0.86711

cg21050076	chr19	13002784		0.315279	2.469415	0.014517	0.86711
cg19547319	chr10	1.03E+08		0.258212	2.461831	0.014816	0.86711
cg01214898	chr11	27385056		0.245109	2.47161	0.014431	0.866711
cg24794992	chr16	21689897		-0.33645	-2.46469	0.014703	0.86711
cg07976860	chr16	67281332		-0.16062	-2.46811	0.014568	0.86711
cg20073007	chr8	1.44E+08	GPIHBP1	-0.24668	-2.46873	0.014543	0.86711
cg20253212	chr4	41694822		-0.37053	-2.47585	0.014267	0.86447
cg07750378	chr7	50132764		0.494002	2.469451	0.014515	0.86711
cg03202935	chr15	25442696		-0.30844	-2.46171	0.014821	0.86711
cg26215887	chr10	1.01E+08		-0.14796	-2.46457	0.014707	0.86711
cg15726426	chr1	1.11E+08	KCNA3;ENSG00000259834;CD53	0.34453	2.465087	0.014687	0.86711
cg03599590	chr3	1.12E+08	CD96	0.398134	2.46653	0.01463	0.86711
cg21844450	chr20	8112956		0.317798	2.465621	0.014666	0.86711
cg16926302	chr1	77411902		-0.295	-2.46477	0.014699	0.86711
cg16622520	chr10	97264760	SORBS1;ALDH18A1	0.241458	2.463481	0.014751	0.86711
cg04722349	chr2	1.33E+08		0.554229	2.463898	0.014734	0.86711
cg25766748	chr19	13614882		0.301705	2.469541	0.014512	0.86711
cg17340655	chr8	38088874		-0.19829	-2.46632	0.014638	0.86711
cg05204097	chr16	979553		0.291547	2.466096	0.014647	0.86711
cg19402405	chr10	64576514		-0.14196	-2.46885	0.014539	0.86711
cg19695867	chr1	1.1E+08		0.453172	2.465063	0.014688	0.86711
cg00774005	chr7	96633726		0.313095	2.478743	0.014156	0.86447
cg23680480	chr22	29139549		0.304068	2.468688	0.014545	0.86711

cg11071534	chr7	1.28E+08		-0.171	-2.47076	0.014464	0.866837
cg14982506	chr10	24832948		-0.2844	-2.47255	0.014395	0.866711
cg11295724	chr20	1538353	SDCBP2	-0.33378	-2.46486	0.014696	0.86711
cg08975917	chr10	1.35E+08	CYP2E1	-0.24629	-2.46685	0.014617	0.86711
cg03210827	chr10	1.05E+08	SH3PXD2A;ARL3;CNNM2;LDB1;C10orf32;C10orf95;NFKB2;CALHM2;TRIM8;PPRC1;KCNIP2;WBP1L	0.527373	2.471456	0.014437	0.866711
cg06810134	chr19	581326		0.263378	2.461931	0.014812	0.86711
cg13849552	chr18	42260056		-0.29287	-2.46608	0.014648	0.86711
cg04999999	chr20	62029358		-0.28254	-2.4712	0.014447	0.866711
cg02360980	chr15	41804283		0.285683	2.476193	0.014253	0.86447
cg24693695	chr5	1.31E+08		-0.41812	-2.46296	0.014771	0.86711
cg24856726	chr12	1.08E+08		0.449328	2.46162	0.014825	0.86711
cg05890785	chr19	53811704		0.439916	2.463884	0.014735	0.86711
cg10268509	chr16	89120300		0.42327	2.471008	0.014454	0.866837
cg22164531	chr1	1.92E+08		-0.43182	-2.4648	0.014698	0.86711
cg13360150	chr11	27528592		-0.32	-2.46532	0.014678	0.86711
cg00500481	chr6	36562387		-0.1794	-2.46464	0.014704	0.86711
cg03408433	chr12	1.09E+08		0.310687	2.459863	0.014895	0.86711
cg14131536	chr2	98340921		0.529868	2.458543	0.014948	0.86711
cg06087421	chr1	47695138	TAL1;CYP4B1	0.3037	2.468653	0.014546	0.86711
cg20219381	chr8	1.01E+08		0.289992	2.472828	0.014384	0.866711

cg21183256	chr8	73163868	TRAPPC2P2;ENSG00000253379	0.495732	2.466101	0.014647	0.86711
cg03182504	chr7	1.45E+08		-0.22239	-2.46892	0.014536	0.86711
cg05574272	chr5	33938213		0.38291	2.47145	0.014437	0.866711
cg08601038	chr7	1.01E+08		0.330947	2.466899	0.014615	0.86711
cg25549720	chr6	32058851	HSPA1A;HNRNPA1P2	-0.22433	-2.46964	0.014508	0.86711
cg22224597	chr1	41444871		0.374778	2.468086	0.014569	0.86711
cg27654945	chr11	1.09E+08	EXPH5	0.414267	2.476864	0.014228	0.86447
cg18144296	chr6	1.44E+08		-0.18598	-2.45818	0.014962	0.86711
cg01595325	chr16	25706401		0.352286	2.460975	0.01485	0.86711
cg08356028	chr10	80217969		-0.91145	-2.46062	0.014865	0.86711
cg13658186	chr14	1.05E+08		0.201168	2.462139	0.014804	0.86711
cg21926750	chr11	77300530		-0.22979	-2.46246	0.014791	0.86711
cg06298530	chr15	25481210		-0.35464	-2.46917	0.014526	0.86711
cg09475510	chr6	89790414		-0.18612	-2.46413	0.014725	0.86711
cg07742492	chr11	68159223	ALDH3B1;UNC93B1;ENSG00000255306;MRGPRF;ENSG00000251637;PITPNM1;ENSG00000254610;CHKA;TPCN2;FAM86C2P;RAD9A	0.439378	2.469581	0.01451	0.86711
cg06145669	chr9	1.03E+08		-0.34122	-2.46249	0.01479	0.86711
cg03247322	chr20	30440293		0.331827	2.463801	0.014738	0.86711

cg04539240	chr16	87651957		-0.2653	-2.4611	0.014845	0.86711
cg04959634	chr7	27219224		0.345468	2.461864	0.014815	0.86711
cg03610604	chr1	1.57E+08		0.235246	2.4607	0.014861	0.86711
cg21122225	chr2	2.39E+08		0.364191	2.463977	0.014731	0.86711
cg04234429	chr17	17259574		-0.29866	-2.46405	0.014728	0.86711
cg10782534	chr4	8253322		-0.26362	-2.4686	0.014549	0.86711
cg07456485	chr12	1.05E+08		0.255938	2.478183	0.014177	0.86447
cg18583306	chr17	208594		0.260984	2.465701	0.014663	0.86711
cg23136742	chr2	26950956		-0.54604	-2.46607	0.014648	0.86711
cg00189533	chr10	1.27E+08		-0.319	-2.46245	0.014792	0.86711
cg02278728	chr6	1595575		0.364832	2.461148	0.014843	0.86711
cg07928060	chr19	46266212	PNMAL1	-0.22579	-2.46925	0.014523	0.86711
cg23521973	chr10	1.25E+08		0.320669	2.460745	0.014859	0.86711
cg00724015	chr2	1.19E+08	STEAP3	-0.27864	-2.46331	0.014757	0.86711
cg18493314	chr14	21899075		0.273583	2.465042	0.014689	0.86711
cg15023933	chr6	1.69E+08		0.252418	2.46738	0.014596	0.86711
cg13874739	chr11	1.29E+08		0.616457	2.463796	0.014738	0.86711
cg02807859	chr13	28350407		0.298681	2.46366	0.014743	0.86711
cg15678121	chr19	57352519		0.258383	2.475941	0.014263	0.86447
cg23261919	chr10	1.35E+08		-0.67893	-2.45597	0.015051	0.867801
cg00472281	chr5	1205496	TRIP13;LPCAT1	-0.25092	-2.46013	0.014884	0.86711
cg08461705	chr2	2.03E+08		-0.39023	-2.47657	0.014239	0.86447
cg23161733	chr10	1.08E+08		-0.34036	-2.46047	0.014871	0.86711
cg19186145	chr2	45169562		0.645678	2.45684	0.015016	0.86711
cg11182931	chr6	97731056		-0.25246	-2.4595	0.014909	0.86711

cg26044566	chr1	3124703		-0.31979	-2.46529	0.014679	0.86711
cg14615152	chr1	34093099	RNF19B;AK2;SYNC;YARS	-0.40079	-2.46022	0.014881	0.86711
cg14975429	chr2	1.83E+08		0.274094	2.458121	0.014965	0.86711
cg17818196	chr15	63336009		0.27683	2.460341	0.014876	0.86711
cg03789276	chr3	1.6E+08		-0.20742	-2.46949	0.014514	0.86711
cg14402955	chr19	56090200		0.487003	2.458947	0.014931	0.86711
cg03708012	chr10	1.23E+08		-0.37625	-2.45713	0.015005	0.86711
cg03755794	chr5	1.56E+08		-0.2425	-2.46428	0.014719	0.86711
cg23977011	chr2	2.2E+08		-0.261	-2.45924	0.01492	0.86711
cg19774288	chr19	48385028		-0.25842	-2.45957	0.014906	0.86711
cg25866634	chr10	1.32E+08	GLRX3	-0.3404	-2.45755	0.014988	0.86711
cg00421654	chr5	1.18E+08		-0.1744	-2.46442	0.014713	0.86711
cg17029721	chr1	27317434		-0.26371	-2.45898	0.01493	0.86711
cg07494691	chr22	44395110		-0.2108	-2.46307	0.014767	0.86711
cg23382700	chr12	50451000		-0.36587	-2.46222	0.014801	0.86711
cg15210276	chr19	19374178	LRRC25	-0.32989	-2.45546	0.015072	0.867801
cg08030934	chr13	21678628		0.360762	2.463242	0.01476	0.86711
cg05253057	chr3	1.01E+08	ENSG00000242299;ZNF90P1	-0.18877	-2.47678	0.014231	0.86447
cg11186962	chr3	1.42E+08		0.136557	2.460258	0.014879	0.86711
cg25019486	chr10	1.34E+08		0.292913	2.464689	0.014703	0.86711
cg23397278	chr11	64051699		-0.26015	-2.46205	0.014808	0.86711
cg01663225	chr11	1.24E+08		-0.24954	-2.46233	0.014796	0.86711
cg14494808	chr9	1.23E+08		-0.37045	-2.46457	0.014707	0.86711
cg13768242	chr13	1.13E+08		-0.44879	-2.45879	0.014938	0.86711

cg09224393	chr14	34268920		0.562384	2.45998	0.01489	0.86711
cg12525219	chr4	1228640	SLBP	-0.34363	-2.46753	0.014591	0.86711
cg27471989	chr16	84326435		0.229286	2.46285	0.014776	0.86711
cg08155116	chr17	79027207		0.412482	2.457031	0.015009	0.86711
cg23435387	chr13	25416561		0.253339	2.462541	0.014788	0.86711
cg04337056	chr3	1.58E+08		-0.40822	-2.46221	0.014801	0.86711
cg25513635	chr19	18981378		0.361354	2.458626	0.014944	0.86711
cg12338417	chr3	32860178		0.418295	2.459753	0.014899	0.86711
cg08007074	chr16	84346361	ENSG00000261471	0.274033	2.456588	0.015026	0.867211
cg14451771	chr9	1.01E+08	ANKRD18CP;CCDC180;FOXE1;FAM220CP	0.338878	2.464537	0.014709	0.86711
cg12675800	chr14	39639447		-0.24382	-2.46586	0.014656	0.86711
cg01141838	chr11	62474744		0.256795	2.459702	0.014901	0.86711
cg00614157	chr5	1.12E+08		-0.28523	-2.46692	0.014614	0.86711
cg13353245	chr8	1.46E+08		-0.15313	-2.45754	0.014988	0.86711
cg13215643	chr14	59104825		0.18747	2.477668	0.014197	0.86447
cg26084484	chr5	1.4E+08		-0.2059	-2.46119	0.014842	0.86711
cg07697321	chr17	72921103	SLC9A3R1;LLGL2	0.271609	2.454355	0.015117	0.867801
cg01879506	chr16	24394920	ARHGAP17	-0.26438	-2.46374	0.01474	0.86711
cg05181846	chr7	1.51E+08		-0.22129	-2.45789	0.014974	0.86711
cg00110687	chr17	80989065		0.36256	2.45711	0.015005	0.86711
cg19941370	chr14	35874353		-0.17777	-2.45737	0.014995	0.86711
cg22068740	chr3	98342807		-0.32497	-2.46352	0.014749	0.86711
cg22160300	chr3	1.77E+08		-0.42255	-2.45891	0.014933	0.86711

cg02995664	chr2	98613076		0.373585	2.459571	0.014906	0.86711
cg26690462	chr3	11602331		-0.23692	-2.45863	0.014944	0.86711
cg10807643	chr14	55907417		0.37214	2.460929	0.014852	0.86711
cg06393558	chr11	69982916	CTTN	-0.43934	-2.45766	0.014983	0.86711
cg08017450	chr11	46886932		-0.3339	-2.4586	0.014945	0.86711
cg20761810	chr8	1.41E+08		0.432326	2.455093	0.015087	0.867801
cg07353620	chr19	4770564		-0.39899	-2.45525	0.015081	0.867801
cg09046370	chr5	1.79E+08		-0.42958	-2.45746	0.014991	0.86711
cg01195858	chr20	42839569		-0.19202	-2.45653	0.015029	0.867211
cg13195218	chr1	2.24E+08		0.174899	2.459729	0.0149	0.86711
cg19619625	chr6	7108637		0.425352	2.50094	0.013328	0.860353
cg23765701	chr4	84031513		0.311856	2.460299	0.014877	0.86711
cg11036833	chr5	1.15E+08		0.289047	2.45824	0.01496	0.86711
cg23903597	chr17	61704154		0.345475	2.456962	0.015011	0.86711
cg21454031	chr17	73030356		0.254084	2.464954	0.014692	0.86711
cg22193736	chr11	18127676		0.233547	2.457635	0.014984	0.86711
cg02126464	chr7	1.29E+08		-0.27413	-2.45928	0.014918	0.86711
cg10292376	chr12	52995070	ITGB7	0.243667	2.461217	0.014841	0.86711
cg22030457	chr19	30215233		0.232279	2.462768	0.014779	0.86711
cg25078150	chr10	1.19E+08		0.249191	2.468286	0.014561	0.86711
cg01518607	chr6	27235891	HCG11	0.336333	2.456861	0.015015	0.86711
cg27493151	chr19	38701994	HKR1	-0.1926	-2.45394	0.015134	0.867801
cg27457698	chr16	28565225		-0.12732	-2.4558	0.015058	0.867801
cg11845728	chr10	1.15E+08		0.201253	2.457835	0.014976	0.86711
cg07248181	chr1	4472087		-0.28857	-2.46298	0.014771	0.86711

cg04343868	chr10	11487096		-0.33929	-2.45876	0.014939	0.86711
cg14491890	chr9	81967145		-0.36247	-2.45607	0.015047	0.867801
cg23361579	chr13	1.14E+08		-0.22889	-2.46246	0.014791	0.86711
cg15454726	chr1	2.42E+08		0.241061	2.459055	0.014927	0.86711
cg19364879	chr12	1.12E+08		0.191099	2.464273	0.014719	0.86711
cg01639562	chr19	36024876		0.313419	2.45554	0.015069	0.867801
cg20641095	chr17	40374347		0.282769	2.459025	0.014928	0.86711
cg18823846	chr10	53459691		-0.2304	-2.46131	0.014837	0.86711
ch.2.30942488F	chr2	31088984		-0.31235	-2.45816	0.014963	0.86711
ch.17.16529697F	chr17	16588972	CENPV	-0.35924	-2.46552	0.01467	0.86711
cg09587640	chr10	1.03E+08		-0.34212	-2.46076	0.014859	0.86711
cg02147194	chr5	1.41E+08		0.297832	2.454375	0.015116	0.867801
cg23281123	chr2	65540411		0.383984	2.454175	0.015124	0.867801
cg06205746	chr13	1.14E+08		-0.3385	-2.45318	0.015165	0.868218
cg07979348	chr20	35198387	SLA2;SAMHD1;SRC;TLDC2	-0.26283	-2.47118	0.014448	0.866711
cg15924332	chr10	7710179		0.334724	2.458219	0.014961	0.86711
cg07383076	chr16	48266305		0.227189	2.468997	0.014533	0.86711
cg23620184	chr14	23772616		-0.25949	-2.46034	0.014876	0.86711
cg04783228	chr16	2381245		-0.26707	-2.45454	0.015109	0.867801
cg11203827	chr10	1E+08		0.33165	2.452076	0.01521	0.868419
cg07660236	chr6	28367883		0.374095	2.45997	0.01489	0.86711
cg18817318	chr13	77565875		-0.24742	-2.46174	0.01482	0.86711
cg00529810	chr19	49535657		0.356959	2.454034	0.01513	0.867801

cg11211486	chr3	46033800	LZTFL1;EXOSC7;FYCO1;ALS2CL;LRRC2	0.396674	2.461417	0.014833	0.86711
cg10573560	chr12	1.11E+08		0.219883	2.450745	0.015264	0.869314
cg25291603	chr6	1.52E+08		0.323895	2.464087	0.014726	0.86711
cg22223655	chr18	67872902		-0.6408	-2.44991	0.015298	0.869918
cg02964036	chr17	8090106		-0.2545	-2.45887	0.014935	0.86711
cg09974063	chr11	1.06E+08		-0.35037	-2.45838	0.014954	0.86711
cg06202667	chr2	2.43E+08		-0.32233	-2.46202	0.014809	0.86711
cg04826516	chr16	1401898		0.171889	2.457197	0.015002	0.86711
cg20976575	chr8	94753123		-0.19503	-2.45833	0.014956	0.86711
cg26673784	chr10	80787497		-0.44327	-2.45572	0.015062	0.867801
cg15096461	chr17	34097101		0.423661	2.461684	0.014822	0.86711
cg13262687	chr4	1.48E+08		0.411744	2.458941	0.014932	0.86711
cg04297246	chr4	1.47E+08		-0.26999	-2.46295	0.014771	0.86711
cg17714437	chr6	1101644		-0.25947	-2.45432	0.015118	0.867801
cg01746241	chr9	34370835	UNC13B	0.33988	2.457185	0.015002	0.86711
cg21092808	chr2	1.77E+08	HOXD-AS1	0.310291	2.458211	0.014961	0.86711
cg25628243	chr3	1.96E+08		-0.1772	-2.46087	0.014855	0.86711
cg07270021	chr8	60627336		-0.44746	-2.4549	0.015095	0.867801
cg26401172	chr7	4815321		0.258187	2.459103	0.014925	0.86711
cg14113240	chr9	1.11E+08		-0.65291	-2.45221	0.015204	0.868419
cg20714708	chr15	1.02E+08		0.496472	2.466419	0.014634	0.86711
cg25950112	chr5	1.71E+08		0.276925	2.461777	0.014818	0.86711
cg02091489	chr19	39574186	SARS2	0.360899	2.451529	0.015232	0.868608

cg25842356	chr5	1.26E+08		0.304736	2.459098	0.014925	0.86711
cg24421865	chr21	45919623		-0.2115	-2.45525	0.015081	0.867801
cg19864138	chr3	62351484	PTPRG	0.318321	2.466368	0.014636	0.86711
cg18257839	chr15	63369284		0.264493	2.45984	0.014896	0.86711
cg06932256	chr1	1.1E+08	GNAI3;LAMTOR5;TAF13	0.269235	2.456882	0.015015	0.86711
cg25717239	chr7	43153595		0.329629	2.453711	0.015143	0.867801
cg10757989	chr8	61621248		0.254675	2.462721	0.014781	0.86711
cg06793562	chr6	85482570	CYB5R4;MRAP2;SNX14	0.389302	2.459585	0.014906	0.86711
cg02062123	chr17	26733583		0.206576	2.463263	0.014759	0.86711
cg21091841	chr13	34251239	KL	0.367125	2.457107	0.015005	0.86711
cg18800085	chr1	1.68E+08		-0.17659	-2.46	0.014889	0.86711
cg10703826	chr1	1.2E+08		0.381831	2.458908	0.014933	0.86711
cg00397179	chr12	1.15E+08		0.304359	2.456495	0.01503	0.867211
cg11806635	chr1	19181040		0.42294	2.457419	0.014993	0.86711
cg09874052	chr1	1.01E+08		0.264653	2.459924	0.014892	0.86711
cg01857802	chr8	98788476		0.253879	2.454067	0.015128	0.867801
cg10179238	chr5	95296847		0.234219	2.45572	0.015061	0.867801
cg17795252	chr3	1.81E+08		-0.34582	-2.45864	0.014944	0.86711
cg03160740	chr3	42544400		0.24366	2.451803	0.015221	0.86847
cg09123989	chr12	1.25E+08		-0.21334	-2.45628	0.015039	0.867592
cg03482339	chr8	38088883		-0.26451	-2.45076	0.015263	0.869314
cg06008384	chr6	49589093		-0.22636	-2.45941	0.014913	0.86711
cg26874464	chr7	43244221	DBNL	-0.31726	-2.45498	0.015091	0.867801
cg05205563	chr12	64238503		-0.28216	-2.45695	0.015012	0.86711

cg20905088	chr12	28116451		0.319448	2.451545	0.015231	0.868608
cg00170931	chr13	51915353		-0.28183	-2.45023	0.015285	0.869742
cg18143296	chr3	1.58E+08		0.366857	2.465825	0.014658	0.86711
cg16620364	chr19	536530		-0.32489	-2.45893	0.014932	0.86711
cg26606589	chr7	64403082	ENSG00000229064	0.394279	2.453915	0.015135	0.867801
cg17555373	chr13	53775108		0.513887	2.4586	0.014945	0.86711
cg22599122	chr1	34329757	RNF19B	-0.31147	-2.4494	0.015319	0.870071
cg09325404	chr2	43903470		0.61063	2.450863	0.015259	0.86927
cg00498604	chr4	1.67E+08		0.314084	2.451188	0.015246	0.868977
cg06012269	chr19	17608374	B3GNT3;ISYNA1	0.303109	2.455473	0.015071	0.867801
cg11412468	chr2	84433405		-0.3178	-2.45544	0.015073	0.867801
cg05670192	chr19	56154902		-0.29675	-2.45441	0.015115	0.867801
cg22102582	chr18	44237151		-0.26028	-2.45375	0.015141	0.867801
cg14112985	chr11	1.17E+08		0.286791	2.453833	0.015138	0.867801
cg17986463	chr6	1.5E+08		0.196182	2.457827	0.014976	0.86711
cg10741443	chr19	41870132		0.208646	2.450114	0.01529	0.869742
cg17970107	chr1	25831485		-0.24032	-2.45742	0.014993	0.86711
cg23860321	chr6	1.6E+08		-0.35807	-2.44979	0.015303	0.869918
cg11531272	chr1	21934679		0.337774	2.451808	0.01522	0.86847
cg23168603	chr2	6905051	RNF144A	0.314525	2.453769	0.015141	0.867801
cg13614659	chr20	17949644		-0.19601	-2.45197	0.015214	0.868419
cg17427154	chr1	2.47E+08		0.14794	2.45697	0.015011	0.86711
cg09822812	chr6	30855729	PPP1R18;SLC44A4;DDR1;DHX16;NRM;CLIC1	-0.35025	-2.45763	0.014984	0.86711

cg00890208	chr9	37025102		0.286291	2.454743	0.015101	0.867801
cg03825234	chr16	1213894		-0.29434	-2.45024	0.015285	0.869742
cg14308286	chr4	22780491		-0.34361	-2.44915	0.015329	0.870315
cg08302433	chr10	1.35E+08		-0.22814	-2.45351	0.015151	0.867897
cg06016466	chr5	1.15E+08		-0.16797	-2.46175	0.014819	0.86711
cg24993443	chr15	25123549		0.40065	2.462043	0.014808	0.86711
cg01430588	chr17	56769767		0.320196	2.452929	0.015175	0.868218
cg18245316	chr8	1.45E+08	FAM83H-AS1;EEF1D	-0.36498	-2.46146	0.014831	0.86711
cg15823495	chr12	1.23E+08	HCAR1;CLIP1	-0.39345	-2.4574	0.014994	0.86711
cg19746375	chr7	1.57E+08	PTPRN2	-0.31354	-2.45573	0.015061	0.867801
cg25988105	chr6	30681476		0.337698	2.456726	0.015021	0.867211
cg10548708	chr3	38175456		-0.25979	-2.45551	0.01507	0.867801
cg10418567	chr4	52917567	ENSG00000248115	-0.29968	-2.45414	0.015126	0.867801
cg25810792	chr13	1.13E+08		0.392789	2.453168	0.015165	0.868218
cg05746608	chr14	50698469		-0.2606	-2.45088	0.015258	0.86927
cg23971226	chr11	1.34E+08		-0.26008	-2.44862	0.015351	0.870676
cg19657723	chr12	50451314		0.131712	2.453686	0.015144	0.867801
cg01530634	chr14	70233602		0.364459	2.454711	0.015102	0.867801
cg08006076	chr17	72772519		-0.18424	-2.453	0.015172	0.868218
cg17294330	chr17	77089070		-0.2279	-2.4535	0.015152	0.867897
cg13444670	chr10	98098271	ENSG00000269948	-0.41871	-2.45398	0.015132	0.867801
cg05433657	chr10	71006703		0.291659	2.449489	0.015315	0.870042
cg00824806	chr21	46350872	ITGB2;TRPM2	-0.42401	-2.4481	0.015373	0.870676
cg02740093	chr16	11930389		-0.24818	-2.45737	0.014995	0.86711

cg00090648	chr1	2.26E+08		-0.18887	-2.45669	0.015022	0.867211
cg25619461	chr1	2.27E+08		0.297658	2.453906	0.015135	0.867801
cg07251128	chr11	67239107	CCS;PELI3	-0.30481	-2.45544	0.015073	0.867801
cg14023451	chr6	24489887	GPLD1;ALDH5A1;KIAA0319;DCDC2;FAM65B	0.545268	2.452449	0.015194	0.868419
cg04556126	chr3	1.47E+08		0.321836	2.452132	0.015207	0.868419
cg23861078	chr2	27435638		-0.18322	-2.45933	0.014916	0.86711
cg13379339	chr8	10717181		-0.28564	-2.45291	0.015176	0.868218
cg11743448	chr12	1.04E+08		0.391159	2.456231	0.015041	0.867592
cg15985509	chr19	56671023		0.276225	2.45027	0.015283	0.869742
cg01966160	chr8	22786360	TNFRSF10A;TNFRSF10B;ENTPD4;ENSG00000253930	0.405764	2.447557	0.015395	0.870715
cg15084467	chr1	2.42E+08		0.248655	2.471919	0.014419	0.866711
cg05126581	chr1	2.16E+08		-0.32658	-2.44835	0.015362	0.870676
cg01338043	chr7	1E+08		-0.49707	-2.45376	0.015141	0.867801
cg22492271	chr7	36959489		-0.33535	-2.45926	0.014919	0.86711
cg18945299	chr17	77397485		0.342229	2.45652	0.015029	0.867211
cg00106501	chr15	41186668		-0.21382	-2.45273	0.015183	0.8684
cg17978996	chr6	1.07E+08		0.227798	2.457772	0.014979	0.86711
cg15324651	chr6	1.38E+08		0.236872	2.452293	0.015201	0.868419
cg14557699	chr5	1.4E+08		0.498168	2.449982	0.015295	0.869918
cg26540931	chr7	2671163		-0.17487	-2.44969	0.015307	0.87003
cg02690638	chr10	83635375		0.347521	2.447122	0.015413	0.871029

cg19239767	chr2	1.28E+08	UGGT1	-0.28896	-2.4522	0.015204	0.868419
cg27469719	chr7	73134089	LINC00035;CLIP2;ENSG00000232415;WBSCR22;ABHD11;CLDN3	-0.18534	-2.45318	0.015165	0.868218
cg08797837	chr7	25019943		-0.291	-2.45401	0.015131	0.867801
cg26014281	chr7	1.57E+08		-0.35023	-2.45807	0.014967	0.86711
cg00140914	chr17	44859215		-0.15874	-2.44903	0.015334	0.870315
cg23437973	chr12	1.33E+08		-0.28918	-2.46239	0.014794	0.86711
cg18451131	chr7	5396268		0.284284	2.455581	0.015067	0.867801
cg05989862	chr11	67896186		0.380714	2.446102	0.015455	0.871029
cg18710278	chr5	19988366		0.302348	2.451827	0.01522	0.86847
cg06545361	chr2	14773388		-0.21784	-2.4542	0.015123	0.867801
cg14795750	chr4	1.34E+08		0.35893	2.451983	0.015213	0.868419
cg06312816	chr3	1.94E+08		-0.4382	-2.44959	0.015311	0.87003
cg06531800	chr4	1.49E+08		0.243627	2.454227	0.015122	0.867801
cg18932699	chr8	64518293		0.402791	2.454838	0.015097	0.867801
cg18402034	chr6	31698651	MICB;HCP5	-0.21738	-2.44828	0.015365	0.870676
cg08858751	chr19	35264235		-0.26636	-2.46089	0.014854	0.86711
cg08169778	chr11	1.16E+08		0.321302	2.446929	0.015421	0.871029
cg17124278	chr6	31632953		0.148763	2.44913	0.01533	0.870315
cg06675341	chr11	20408613		-0.28463	-2.4531	0.015168	0.868218
cg14094983	chr7	8482099		-0.21165	-2.44833	0.015363	0.870676
cg27088449	chr22	21272634		-0.15357	-2.44746	0.015399	0.870715
cg13861180	chr9	1.4E+08	ENSG00000264527;SNHG7	-0.29879	-2.45151	0.015232	0.868608

cg17519449	chr1	32205031	SYNC	-0.37655	-2.45202	0.015212	0.868419
cg02321885	chr19	11032537		0.291885	2.451267	0.015243	0.868907
cg16636110	chr19	57702479		0.287107	2.449025	0.015334	0.870315
cg17028814	chr1	1.61E+08	PVRL4	-0.31823	-2.44856	0.015354	0.870676
cg11505404	chr6	32730243		-0.2468	-2.45013	0.015289	0.869742
cg23234820	chr22	43089041		-0.27321	-2.44813	0.015371	0.870676
cg19275200	chr19	9473240	ZNF317	-0.3752	-2.45155	0.015231	0.868608
cg23313650	chr7	1.23E+08		0.161166	2.450175	0.015287	0.869742
cg05153474	chr22	39884449		-0.29242	-2.45497	0.015092	0.867801
cg22611308	chr6	1.69E+08	SMOC2	-0.3161	-2.44742	0.015401	0.870715
cg09364733	chr13	33163175	KL;STARD13	0.384795	2.452985	0.015172	0.868218
cg00271633	chr15	66162152		-0.37077	-2.44549	0.01548	0.871029
cg02473715	chr17	4699345		-0.36538	-2.44938	0.01532	0.870071
cg05822022	chr12	56397822		-0.27205	-2.45441	0.015115	0.867801
cg24255910	chr8	39442089		-0.30629	-2.44669	0.015431	0.871029
cg14408465	chr14	48143434		0.426516	2.45351	0.015151	0.867897
cg03346706	chr19	3162988	C19orf71;NFIC	0.252559	2.454346	0.015117	0.867801
cg26730017	chr16	88358185		-0.15997	-2.4514	0.015237	0.868725
cg21146170	chr8	1266962	TDRP	-0.28848	-2.44986	0.0153	0.869918
cg24231716	chr5	76934501		0.391898	2.457087	0.015006	0.86711
cg00143998	chr1	2.29E+08		-0.27132	-2.45012	0.015289	0.869742
cg06428091	chr16	3340853		0.247462	2.455482	0.015071	0.867801
ch.19.1024848R	chr19	31553592		-0.18391	-2.45312	0.015167	0.868218
cg03438305	chr1	1.52E+08		-0.25809	-2.45471	0.015102	0.867801
cg15989068	chr2	5837057		0.387789	2.445298	0.015488	0.871029

cg08853399	chr5	65528850		-0.39058	-2.46229	0.014798	0.86711
cg15232450	chr3	4345438	EDEM1;ARL8B	-0.19983	-2.45103	0.015252	0.869103
cg07890514	chr3	72897063		-0.16998	-2.44697	0.015419	0.871029
cg19956147	chr17	800431	NXN;GEMIN4;SCARF1	0.475713	2.452169	0.015206	0.868419
cg06368293	chr19	3207977		0.309902	2.444225	0.015533	0.871029
cg16493698	chr18	77749083		-0.31823	-2.44441	0.015525	0.871029
cg23586121	chr10	1.35E+08		-0.31802	-2.44759	0.015393	0.870715
cg04511444	chr1	44358979	TIE1;TMEM125;ATP6V0B;C1orf210;CDC20	0.235921	2.452288	0.015201	0.868419
cg14221617	chr9	38396850		0.321426	2.444979	0.015501	0.871029
cg00190319	chr3	47462780		0.342911	2.447577	0.015394	0.870715
cg14113035	chr2	2.41E+08		0.451379	2.448202	0.015368	0.870676
cg04662532	chr12	54330125		0.294651	2.448746	0.015346	0.870619
cg03262605	chr7	1.19E+08		0.367745	2.446403	0.015442	0.871029
cg07208853	chr1	2E+08		0.334226	2.44406	0.01554	0.871029
cg09117778	chr1	2.09E+08		0.311119	2.452836	0.015179	0.868269
cg00295780	chr1	2.44E+08		-0.22559	-2.45436	0.015117	0.867801
cg18161890	chr12	52995250	ITGB7	0.308515	2.448748	0.015346	0.870619
cg12417539	chr10	1.34E+08		-0.22858	-2.44912	0.01533	0.870315
cg18858343	chr10	72972901		0.321694	2.450618	0.015269	0.869493
cg13563863	chr19	3506439		-0.21392	-2.44426	0.015531	0.871029
cg24130459	chr5	375776		-0.254	-2.44979	0.015303	0.869918
cg27294156	chr20	31619500		0.318444	2.449518	0.015314	0.870042
cg13195954	chr8	1.42E+08		-0.27645	-2.44398	0.015543	0.871029

cg23200404	chr2	25441766		-0.29609	-2.45228	0.015201	0.868419
cg19852264	chr19	10662619		0.223068	2.444739	0.015511	0.871029
cg05919211	chr14	23844934		-0.25735	-2.45703	0.015009	0.86711
cg26550861	chr6	74072376		0.582658	2.447513	0.015397	0.870715
cg23562479	chr11	4469894		-0.32625	-2.45881	0.014937	0.86711
cg23313031	chr6	29974745		0.229807	2.447485	0.015398	0.870715
cg00963654	chr18	13801271		0.269292	2.460908	0.014853	0.86711
cg01020744	chr5	63255888		0.371212	2.451495	0.015233	0.868608
cg22976588	chr12	26865256		-0.25968	-2.44613	0.015454	0.871029
cg23428392	chr8	47093117		0.182579	2.443243	0.015574	0.871029
cg20519944	chr7	1.57E+08		-0.3075	-2.44885	0.015342	0.870614
cg25131079	chr5	1.79E+08		0.379281	2.44449	0.015522	0.871029
cg15694117	chr19	2717422		0.898165	2.446621	0.015434	0.871029
cg02947993	chr11	27528506		0.242478	2.451111	0.015249	0.86904
cg06495961	chr7	1.54E+08		0.443017	2.444229	0.015533	0.871029
cg15539420	chr17	46692248		0.320605	2.443838	0.015549	0.871029
cg22675922	chr11	2889840	LSP1	-0.31443	-2.44365	0.015557	0.871029
cg15955291	chr1	2.36E+08		0.278829	2.442065	0.015623	0.871636
cg14410016	chr2	1.77E+08		0.332821	2.444237	0.015532	0.871029
cg17733702	chr1	1.55E+08		0.246967	2.447897	0.015381	0.870714
cg11280988	chr7	4823097		0.229664	2.443297	0.015571	0.871029
cg15337196	chr3	44727578		-0.29572	-2.44571	0.015471	0.871029
cg24554839	chr1	1.66E+08		-0.31574	-2.44479	0.015509	0.871029
cg11405458	chr5	1.07E+08		0.292293	2.445388	0.015485	0.871029
cg17776207	chr6	32714066		-0.39408	-2.44309	0.01558	0.871029

cg19090637	chr4	1.11E+08		-0.18293	-2.44623	0.01545	0.871029
cg04495354	chr16	57294356	MT1E	-0.29714	-2.4466	0.015434	0.871029
cg04137133	chr6	33157147		-0.23842	-2.4422	0.015617	0.871446
cg03464232	chr8	1.46E+08		-0.21968	-2.44804	0.015375	0.870676
cg14934413	chr11	20184162		0.276168	2.446098	0.015455	0.871029
cg22177840	chr3	90139296		0.436132	2.452148	0.015207	0.868419
cg03433942	chr3	1.28E+08	KBTBD12;ABTB1;SEC61A1;RAB43	-0.31281	-2.4435	0.015563	0.871029
cg26483743	chr1	25566460		-0.33719	-2.44689	0.015422	0.871029
cg07434244	chr1	2.1E+08		-0.27021	-2.44543	0.015483	0.871029
cg09118053	chr6	33873732	SYNGAP1;PFDN6;ENSG00000272288;ANKS1A;ZBTB9;ITPR3;HSD17B8;B3GALT4;RGL2;CUTA	0.308262	2.459293	0.014918	0.86711
cg01363109	chr9	1.01E+08		-0.21796	-2.4455	0.01548	0.871029
cg18366882	chr5	1.72E+08		0.256335	2.449625	0.01531	0.87003
cg20342432	chr2	2.41E+08		0.413477	2.443338	0.01557	0.871029
cg15804975	chr2	1828438		0.279007	2.444603	0.015517	0.871029
cg25868831	chr11	368588		-0.32818	-2.4461	0.015455	0.871029
cg07189673	chr10	1.25E+08		0.474343	2.465709	0.014662	0.86711
cg07017597	chr15	32983650	FMN1	-0.24011	-2.45909	0.014926	0.86711
cg14340481	chr9	3828562	GLIS3;ENSG00000237359	-0.29885	-2.44307	0.015581	0.871029
cg14623715	chr6	1.36E+08	PDE7B;ENSG00000227844	0.637179	2.443011	0.015583	0.871029

cg05986505	chr8	99955563		0.305226	2.443632	0.015557	0.871029
cg05270290	chr15	29562120		0.238376	2.452614	0.015188	0.868419
ch.12.206169F	chr12	7044838		-0.3611	-2.44825	0.015366	0.870676
cg06565615	chr5	1.38E+08		-0.25519	-2.44495	0.015503	0.871029
cg24303306	chr3	1.26E+08		-0.4517	-2.43838	0.015777	0.871963
cg22869567	chr12	13588746		0.377817	2.439481	0.015731	0.871845
cg02811232	chr18	44790841		0.393508	2.446355	0.015444	0.871029
cg15473017	chr1	1.67E+08		0.408011	2.445421	0.015483	0.871029
cg15006973	chr1	35258933	C1orf216	-0.34679	-2.44646	0.01544	0.871029
cg11946449	chr11	45308676		-0.29214	-2.44284	0.01559	0.871029
cg08814268	chr7	2167433		-0.346	-2.44355	0.015561	0.871029
cg01777433	chr5	57875838		-0.40553	-2.44626	0.015448	0.871029
cg01492649	chr11	86749237		0.209569	2.444515	0.015521	0.871029
cg06604146	chr15	64752635		0.251824	2.444399	0.015526	0.871029
cg17819732	chr1	2.03E+08		-0.34018	-2.44307	0.015581	0.871029
cg20010714	chr12	1.21E+08		0.271568	2.444807	0.015509	0.871029
cg06716568	chr4	2043525		-0.28098	-2.4443	0.01553	0.871029
cg03982609	chr22	43740798		-0.41242	-2.43903	0.01575	0.871963
cg15812753	chr2	1.77E+08		0.266796	2.446457	0.01544	0.871029
cg23973972	chr18	72152075		-0.34732	-2.43908	0.015748	0.871963
cg11264863	chr20	43835661	RIMS4	-0.39203	-2.44464	0.015516	0.871029
ch.17.1630550R	chr17	61683872	ICAM2	-0.43335	-2.44599	0.01546	0.871029
cg04069948	chr4	1.17E+08		-0.27342	-2.44118	0.01566	0.871845
cg20730619	chr5	1094035		-0.2107	-2.44864	0.01535	0.870676
cg22692488	chr6	31129600		-0.28913	-2.44231	0.015612	0.871446

cg02978013	chr1	24972744		0.288503	2.448017	0.015376	0.870676
cg10427140	chr20	47444573		-0.18704	-2.4407	0.01568	0.871845
cg14943877	chr10	1.12E+08		-0.19582	-2.44256	0.015602	0.871276
cg07855874	chr5	965717		-0.28282	-2.44604	0.015457	0.871029
cg05920182	chr1	1.87E+08		-0.34646	-2.44476	0.015511	0.871029
cg20296924	chr2	3654470	TSSC1	0.452728	2.446767	0.015427	0.871029
cg16156525	chr19	36210688		0.208657	2.447464	0.015399	0.870715
cg16616053	chr16	13924334		-0.36418	-2.44173	0.015637	0.871739
cg00605240	chr12	1137376		-0.3781	-2.4377	0.015806	0.871963
cg26724572	chr15	25226703		-0.30486	-2.44025	0.015699	0.871845
cg10505873	chr20	44637511		-0.30885	-2.4385	0.015773	0.871963
cg18632602	chr18	21978020		-0.14492	-2.44458	0.015518	0.871029
cg08530760	chr3	47887839		-0.30205	-2.43955	0.015728	0.871845
cg08890837	chr16	2581618		0.273803	2.45044	0.015276	0.869742
cg18563812	chr8	53044888		-0.29284	-2.44805	0.015374	0.870676
cg08254266	chr8	36641818		-0.27373	-2.44038	0.015693	0.871845
cg18603943	chr9	1.37E+08		0.333871	2.44276	0.015594	0.871029
cg18541254	chr13	1.13E+08		0.29639	2.43772	0.015805	0.871963
cg18221021	chr11	84432312	DLG2	0.306628	2.443759	0.015552	0.871029
cg16911981	chr7	70061135		-0.23557	-2.44647	0.01544	0.871029
cg22545168	chr19	54866514	PTPRH	-0.2986	-2.44085	0.015674	0.871845
cg13216025	chr9	1.41E+08		-0.27706	-2.44644	0.015441	0.871029
cg01728554	chr5	1.55E+08		0.246126	2.441735	0.015637	0.871739
cg19872237	chr10	1.28E+08		-0.34116	-2.44094	0.01567	0.871845
cg19576304	chr18	56940022	CCBE1	0.295772	2.444989	0.015501	0.871029

cg20419735	chr17	46824292		0.324565	2.437966	0.015795	0.871963
cg03936721	chr17	42386419		0.290618	2.441036	0.015666	0.871845
cg17461670	chr17	66926513		-0.311	-2.44786	0.015382	0.870714
cg13736514	chr6	26305472		0.957412	2.440345	0.015695	0.871845
cg12149189	chr2	1.2E+08		-0.22076	-2.44812	0.015372	0.870676
cg08456043	chr17	7320581		-0.46622	-2.45924	0.01492	0.86711
cg10156586	chr16	89160039		0.336535	2.445474	0.015481	0.871029
cg22441446	chr1	95538757		0.214966	2.442764	0.015594	0.871029
cg22995356	chr3	1.84E+08		-0.23876	-2.4407	0.01568	0.871845
cg07002382	chr15	44116782		0.287889	2.441803	0.015634	0.871739
cg17446010	chr15	76633627	TSPAN3;PEAK1	-0.436	-2.43854	0.015771	0.871963
cg25902187	chr15	55881044		0.286464	2.445958	0.015461	0.871029
cg27161973	chr20	47835784		-0.25008	-2.44009	0.015706	0.871845
cg08830641	chr10	1.3E+08		0.337803	2.441632	0.015641	0.871845
cg24206884	chr10	1.05E+08		0.301996	2.444732	0.015512	0.871029
cg01560900	chr1	2.42E+08		-0.48071	-2.43854	0.015771	0.871963
cg22886275	chr7	1.22E+08		-0.31583	-2.44005	0.015707	0.871845
cg11277126	chr20	33680945		0.237131	2.443912	0.015546	0.871029
cg13307880	chr5	1.41E+08		0.444548	2.441078	0.015664	0.871845
cg06440946	chr1	95699313		0.304284	2.440586	0.015685	0.871845
cg20630605	chr15	89010209		0.388237	2.444017	0.015541	0.871029
cg20808681	chr2	2.34E+08		0.221543	2.444064	0.015539	0.871029
cg07156669	chr17	28705245	ADAP2	0.419425	2.443306	0.015571	0.871029
cg01624229	chr2	1.53E+08		0.405228	2.444692	0.015513	0.871029
cg06955214	chr7	1.58E+08		-0.26116	-2.44325	0.015573	0.871029

cg08588156	chr5	143141		-0.22628	-2.44272	0.015596	0.871029
cg05382305	chr1	91869782		0.383183	2.444915	0.015504	0.871029
cg05235192	chr4	2009779		-0.2197	-2.44063	0.015683	0.871845
cg01544903	chr16	56697229		0.556524	2.43889	0.015756	0.871963
cg26774971	chr6	1.59E+08		-0.24994	-2.438	0.015794	0.871963
cg14564076	chr7	1.54E+08		0.382563	2.43597	0.015879	0.873393
cg09784779	chr7	618974		0.208866	2.440988	0.015668	0.871845
cg05756220	chr11	30038685		0.461828	2.438746	0.015762	0.871963
cg14021524	chr6	1.4E+08	ENSG00000220600	-0.20004	-2.43853	0.015771	0.871963
cg01645295	chr20	61560630		0.196527	2.440427	0.015691	0.871845
cg01721754	chr16	616935		-0.32142	-2.43796	0.015795	0.871963
cg22853641	chr8	1.31E+08		-0.25877	-2.4436	0.015559	0.871029
cg01701819	chr15	75287824		0.372914	2.439799	0.015718	0.871845
cg12299478	chr10	1.12E+08	XPNPEP1;ADD3	-0.22355	-2.44631	0.015446	0.871029
cg16117789	chr1	53904634		-0.29508	-2.443	0.015584	0.871029
cg09500392	chr20	62124545		-0.26726	-2.4374	0.015819	0.872318
cg14189609	chr19	3225006		-0.14227	-2.44393	0.015545	0.871029
cg15863148	chr6	1.48E+08		-0.33942	-2.44019	0.015701	0.871845
cg16902385	chr18	55019669		0.424807	2.442204	0.015617	0.871446
cg25689539	chr7	1.49E+08		-0.28653	-2.44302	0.015583	0.871029
cg07882850	chr15	37179670		-0.30921	-2.43896	0.015753	0.871963
cg21172807	chr9	1.22E+08		0.253344	2.440035	0.015708	0.871845
cg09155044	chr16	31106785		0.269532	2.45222	0.015204	0.868419
cg15215612	chr19	51231736		0.373561	2.441027	0.015666	0.871845
cg21873011	chr11	7041511		0.482556	2.435895	0.015882	0.873393

cg03288168	chr4	10784468		-0.32435	-2.44052	0.015687	0.871845
cg16953473	chr17	59539587		-0.21767	-2.4411	0.015663	0.871845
cg20805368	chr11	2367787		0.245008	2.464	0.01473	0.86711
cg20627988	chr10	1.34E+08		-0.26121	-2.4375	0.015815	0.872213
cg20412244	chr6	31276664	HCP5	0.325373	2.434375	0.015947	0.873393
cg23389783	chr7	1.39E+08		-0.18293	-2.4436	0.015559	0.871029
cg11490986	chr7	1.44E+08		-0.24244	-2.43846	0.015774	0.871963
cg04639396	chr7	27190539		0.261655	2.440929	0.01567	0.871845
cg13527910	chr7	30066469		-0.2183	-2.44186	0.015631	0.871739
cg05113410	chr2	1.02E+08	TBC1D8;RFX8;ENSG00000272902;IL18R1;IL1RL1;IL1R1;ENSG00000271532	-0.43686	-2.43618	0.01587	0.873393
cg09583036	chr11	87846644		0.44062	2.442864	0.015589	0.871029
cg11067468	chr12	31479148		0.218628	2.434163	0.015956	0.873393
cg17788227	chr17	7347145		-0.2449	-2.4379	0.015798	0.871963
cg05486035	chr16	56697088		0.364264	2.437098	0.015832	0.872689
cg22937556	chr13	19692335		-0.37593	-2.43692	0.015839	0.87291
cg00229508	chr15	76019993		0.221911	2.434913	0.015924	0.873393
cg00450060	chr1	25756870		-0.16149	-2.43837	0.015778	0.871963
cg14857764	chr13	50706663		0.445218	2.442791	0.015592	0.871029
cg18464137	chr7	83278504		0.398424	2.43602	0.015877	0.873393
cg06851941	chr3	33319219	DYNC1LI1	0.177498	2.439573	0.015727	0.871845
cg15339971	chr15	39823733		-0.30329	-2.43774	0.015804	0.871963

cg10656742	chr13	24152779		0.287533	2.440983	0.015668	0.871845
cg09785991	chr1	86934365		-0.29742	-2.4395	0.01573	0.871845
cg13270055	chr22	36960499		0.556243	2.435699	0.015891	0.873393
cg00549758	chr20	31642282		-0.25993	-2.43857	0.015769	0.871963
cg04808813	chr16	343299		-0.27206	-2.43539	0.015904	0.873393
cg19155552	chr12	1.12E+08		-0.29154	-2.44152	0.015646	0.871845
cg13773678	chr9	67927392		-0.2622	-2.43449	0.015942	0.873393
cg20594961	chr4	3773933	GRK4	0.266284	2.439666	0.015723	0.871845
cg01434559	chr11	8290939	OR5P1P;OR5E1P;DENND5A;TME M9B	0.328437	2.441958	0.015627	0.871739
cg00521887	chr18	39535162		-0.23189	-2.43611	0.015873	0.873393
cg05062413	chr11	75336943	POLD3	-0.36373	-2.44246	0.015606	0.871276
cg16903122	chr1	44584429		-0.24224	-2.43352	0.015983	0.873393
cg17933148	chr7	20122468		-0.39792	-2.44054	0.015687	0.871845
cg03207574	chr10	25241260		-0.15757	-2.44596	0.015461	0.871029
cg02494703	chr11	64659387	BATF2	-0.19247	-2.43719	0.015828	0.872582
cg17591574	chr1	1.79E+08	TOR3A	0.273716	2.439948	0.015711	0.871845
cg12129480	chr1	1.59E+08		-0.47386	-2.43797	0.015795	0.871963
cg23376846	chr6	29818154		-0.21191	-2.44285	0.01559	0.871029
cg08765357	chr11	85438947	DLG2	-0.37891	-2.43827	0.015782	0.871963
cg02731632	chr7	1328627	NUDT1	-0.30104	-2.43923	0.015742	0.871963
cg04194173	chr7	1137315		-0.26323	-2.43253	0.016025	0.873393
cg02639294	chr16	30406318		-0.2154	-2.43433	0.015949	0.873393
cg27394794	chr10	52600370		-0.41824	-2.43158	0.016066	0.873393

cg10316357	chr1	1.61E+08	USP21;PPOX;CCDC19;C1orf192;TSTD1;VSIG8	-0.49084	-2.43999	0.01571	0.871845
cg04338446	chr14	1.05E+08		-0.27229	-2.43163	0.016064	0.873393
cg25510753	chr7	1.3E+08	COPG2	-0.48653	-2.43623	0.015868	0.873393
cg15736169	chr13	1.13E+08		0.249271	2.435482	0.0159	0.873393
cg14623024	chr8	1.43E+08	ENSG00000261655	-0.33166	-2.43418	0.015955	0.873393
cg12992745	chr8	627358		-0.29393	-2.44088	0.015672	0.871845
cg10120778	chr7	42018795		0.270309	2.43752	0.015814	0.872213
cg05042366	chr16	1271998		-0.3595	-2.44351	0.015563	0.871029
cg18983090	chr13	37575004		0.226358	2.435996	0.015878	0.873393
cg02380802	chr16	53407808	ENSG00000261804;ENSG00000262714	0.93485	2.432567	0.016024	0.873393
cg01318248	chr1	2.27E+08		-0.20808	-2.44124	0.015657	0.871845
cg14862981	chr5	1.81E+08		-0.17444	-2.43436	0.015948	0.873393
cg25350057	chr1	68629133		-0.28713	-2.43465	0.015935	0.873393
cg01048752	chr8	10001523		-0.34123	-2.43068	0.016105	0.873393
cg21058520	chr6	1.01E+08		0.406028	2.435506	0.015899	0.873393
cg18065397	chr4	1.89E+08		-0.2504	-2.44181	0.015634	0.871739
cg03475687	chr17	80828586		0.305859	2.434858	0.015927	0.873393
cg05311091	chr16	15711250	NOMO1	-0.28653	-2.44067	0.015681	0.871845
cg15551105	chr2	10260366		-0.2024	-2.43826	0.015782	0.871963
cg14370927	chr9	94483076		-0.45767	-2.43789	0.015798	0.871963
cg02297063	chr19	1132389		-0.18392	-2.43437	0.015947	0.873393
cg06844489	chr13	1.14E+08		-0.30072	-2.43065	0.016106	0.873393

cg13404331	chr5	37638144		-0.40324	-2.43368	0.015977	0.873393
cg15428904	chr20	57394097		-0.45003	-2.43969	0.015722	0.871845
cg11672447	chr18	72921434		0.252482	2.429627	0.01615	0.873393
cg05351219	chr16	2318265		0.235862	2.434184	0.015955	0.873393
cg04458023	chr2	1.42E+08		-0.37222	-2.43181	0.016056	0.873393
cg22773074	chr10	43603067		-0.33817	-2.43111	0.016086	0.873393
cg13365524	chr6	1.01E+08		0.243911	2.434098	0.015959	0.873393
cg22846510	chr7	83753280		0.416863	2.434568	0.015939	0.873393
ch.5.61135040R	chr5	61099283		-0.2697	-2.43629	0.015866	0.873393
cg11458498	chr5	1.68E+08		-0.43741	-2.4304	0.016117	0.873393
cg08061463	chr15	90789198		-0.25322	-2.44227	0.015614	0.871446
cg14352322	chr11	1.15E+08		-0.36263	-2.43237	0.016033	0.873393
cg20349432	chr6	1.69E+08		0.314066	2.433426	0.015987	0.873393
cg14228885	chr9	33001836		0.27574	2.437788	0.015802	0.871963
cg13605781	chr9	1.1E+08		-0.34768	-2.43443	0.015945	0.873393
cg23104184	chr10	73437334		-0.28081	-2.42974	0.016145	0.873393
cg02264922	chr12	58026217	AGAP2;GLI1	-0.17432	-2.44308	0.01558	0.871029
cg03998655	chr16	1424607		-0.57081	-2.43566	0.015893	0.873393
cg06675190	chr15	89346205		0.51275	2.430162	0.016127	0.873393
cg01964262	chr13	97874638		0.286169	2.439337	0.015737	0.871871
cg18037912	chr12	10330675		0.411445	2.440065	0.015707	0.871845
cg09382850	chr7	1.06E+08		-0.23809	-2.43179	0.016057	0.873393
cg20902425	chr22	46805678		0.394472	2.433391	0.015989	0.873393
cg17344640	chr3	1.2E+08	POLQ	-0.32381	-2.43691	0.01584	0.87291
cg13781197	chr15	85525673		0.195413	2.435938	0.015881	0.873393

cg02675264	chr6	28984246		0.392746	2.433498	0.015984	0.873393
cg00949670	chr12	1.21E+08	OASL	-0.25133	-2.43104	0.016089	0.873393
cg18235635	chr8	1.34E+08		-0.3304	-2.43061	0.016108	0.873393
cg11316131	chr5	1.8E+08	BTNL9;FLT4;GFPT2;ZFP62	-0.37501	-2.4306	0.016109	0.873393
cg07831322	chr17	26129054		-0.20727	-2.4306	0.016109	0.873393
cg22059469	chr5	60573425		-0.36229	-2.44086	0.015673	0.871845
cg03478199	chr6	1.46E+08		0.423188	2.437311	0.015823	0.872417
cg01724011	chr16	84087814		0.256342	2.430058	0.016132	0.873393
cg24352938	chr1	2E+08		-0.16061	-2.4455	0.01548	0.871029
cg26660002	chr2	1.55E+08		0.330458	2.439601	0.015726	0.871845
cg09151061	chr5	71804628		0.253576	2.447979	0.015377	0.870676
cg06668155	chr1	33938117		-0.21266	-2.44424	0.015532	0.871029
cg14813579	chr19	2328694		-0.2361	-2.43343	0.015987	0.873393
cg27541781	chr18	45457066		-0.22909	-2.43204	0.016046	0.873393
cg05922771	chr6	1.68E+08		-0.29693	-2.43459	0.015938	0.873393
cg09115216	chr11	3250765		-0.23127	-2.43435	0.015948	0.873393
cg23151706	chr11	69931353	CTTN	0.212759	2.436239	0.015868	0.873393
cg13847724	chr9	1.26E+08	STRBP;MIR600HG;ENSG00000237336;RABGAP1	0.45294	2.439351	0.015737	0.871871
cg25090051	chr20	57414059		-0.26922	-2.4351	0.015916	0.873393
cg13633854	chr11	6528440		-0.27438	-2.44048	0.015689	0.871845
cg00352218	chr6	19691654	MBOAT1	0.393851	2.442464	0.015606	0.871276
cg17001106	chr10	99400243		-0.24119	-2.43853	0.015771	0.871963

cg15019707	chr5	43122172	C5orf34	0.213772	2.439662	0.015723	0.871845
cg09354309	chr12	22487437		-0.32022	-2.43506	0.015918	0.873393
cg19339322	chr19	2722858		-0.25739	-2.43033	0.01612	0.873393
cg07472199	chr16	31453477	HERC2P4	0.671645	2.431183	0.016083	0.873393
cg26681875	chr18	57567697		-0.25548	-2.43311	0.016001	0.873393
cg06993715	chr16	69345386		-0.22981	-2.43082	0.016099	0.873393
cg01437577	chr10	70940013		0.134374	2.431221	0.016082	0.873393
cg19724706	chr14	25736598		-0.36214	-2.43372	0.015975	0.873393
cg20552282	chr20	21686728		0.282103	2.434694	0.015933	0.873393
cg14421668	chr13	1.14E+08		0.328609	2.439759	0.015719	0.871845
cg04581938	chr6	31364999		-0.28655	-2.43234	0.016034	0.873393
cg02330394	chr6	10695063	PAK1IP1;SMIM13	-0.19181	-2.43644	0.015859	0.873393
cg17757376	chr7	91570087		0.197968	2.43476	0.015931	0.873393
cg19029220	chr2	64067822		-0.1926	-2.43798	0.015794	0.871963
cg12873903	chr17	40514805	RUNDC1;ACLY;ATP6V0A1;BECN1	-0.37655	-2.43786	0.0158	0.871963
cg13858136	chr2	1.22E+08		0.323866	2.43181	0.016056	0.873393
cg09902061	chr11	34126957		-0.18493	-2.439	0.015751	0.871963
cg01933251	chr12	16035274		0.206117	2.428441	0.016201	0.874444
cg11841704	chr17	75539913		-0.57286	-2.43251	0.016027	0.873393
cg22230640	chr6	32805807	DAXX	-0.22176	-2.43829	0.015781	0.871963
cg08111863	chr11	70882036		0.312052	2.432304	0.016035	0.873393
cg11746684	chr8	11057265		0.380636	2.429679	0.016148	0.873393
cg08988050	chr20	32581548		-0.16776	-2.43056	0.01611	0.873393
cg18118738	chr6	34802849		-0.39909	-2.43518	0.015913	0.873393

cg14498423	chr3	1.4E+08		0.313475	2.430445	0.016115	0.873393
cg20588868	chr10	95551111		-0.40794	-2.4289	0.016182	0.874148
cg23839136	chr7	70597599		0.406247	2.42659	0.016281	0.875467
cg07150062	chr14	1.05E+08		0.471806	2.431016	0.016091	0.873393
cg12594940	chr15	25488765		-0.38097	-2.42817	0.016213	0.874517
cg21780428	chr6	37181111		0.251211	2.43087	0.016097	0.873393
cg15382051	chr7	4873549		-0.32585	-2.43259	0.016023	0.873393
cg18410078	chr11	65647288	CTSW	0.391214	2.4358	0.015887	0.873393
cg20607816	chr8	1.05E+08		-0.32112	-2.4302	0.016125	0.873393
cg17538036	chr11	1.34E+08		0.296258	2.431337	0.016077	0.873393
cg14603103	chr7	64838577		-0.27254	-2.43253	0.016026	0.873393
cg09492354	chr11	27720709		-0.1827	-2.42915	0.016171	0.874089
cg03658337	chr19	6166119		0.27401	2.434047	0.015961	0.873393
cg23397909	chr7	921092	HEATR2;PSMG3-AS1;SUN1;FAM20C;PDGFA;MAD1L1	0.367391	2.438483	0.015773	0.871963
cg10318063	chr14	42075122		0.278564	2.429123	0.016172	0.874089
cg16353957	chr1	1.98E+08		0.281786	2.433635	0.015979	0.873393
cg00678539	chr15	56757625		0.427813	2.435108	0.015916	0.873393
cg16596052	chr10	1.21E+08		0.410926	2.433264	0.015994	0.873393
cg15957055	chr3	62861055		0.355578	2.429813	0.016142	0.873393
cg20964021	chr7	1.56E+08		0.311197	2.4335	0.015984	0.873393
cg02335804	chr17	36105239		0.330826	2.433987	0.015964	0.873393
cg26966124	chr6	1.01E+08		0.294652	2.43678	0.015845	0.873036
cg10523996	chr3	1.26E+08		0.203798	2.431688	0.016062	0.873393

cg18406033	chr2	2.23E+08		0.466869	2.429988	0.016135	0.873393
cg18463802	chr11	31844253		0.309986	2.429777	0.016144	0.873393
cg02165743	chr6	28602566		0.369879	2.42833	0.016206	0.874499
cg06621757	chr12	54674353		-0.17856	-2.43867	0.015765	0.871963
cg23952754	chr17	28431834		0.284667	2.435265	0.015909	0.873393
cg14652095	chr6	26018185		0.271818	2.435343	0.015906	0.873393
cg22605943	chr3	1.07E+08		0.212423	2.432979	0.016007	0.873393
cg16040504	chr1	40157202		0.18082	2.436126	0.015873	0.873393
cg05434952	chr17	79633760		-0.19442	-2.43031	0.016121	0.873393
cg16674467	chr3	46854311		0.280419	2.431846	0.016055	0.873393
cg08688006	chr3	39222345		-0.16833	-2.43355	0.015982	0.873393
cg00651912	chr1	44447575		-0.2385	-2.42501	0.01635	0.876508
cg13679478	chr14	1.02E+08		0.398992	2.43407	0.01596	0.873393
cg12290671	chr7	99195819		0.473787	2.42671	0.016276	0.87543
cg01416891	chr10	94820892		0.352402	2.427757	0.016231	0.874619
cg24431693	chr6	1.02E+08		0.397995	2.428213	0.016211	0.874517
cg18999360	chr5	1.37E+08		-0.22144	-2.44775	0.015387	0.870715
cg04409319	chr1	1.61E+08	COPA;ENSG00000213080;SDHC	-0.19379	-2.43396	0.015965	0.873393
cg12443444	chr21	46707842		0.152221	2.439554	0.015728	0.871845
cg26511108	chr10	22608951	RNA5SP304	0.454193	2.434567	0.015939	0.873393
cg08949101	chr21	33957957		-0.28731	-2.428	0.01622	0.874517
cg21107944	chr1	3001100		-0.2516	-2.42437	0.016378	0.876508
cg22702331	chr12	16759731		-0.27865	-2.43526	0.015909	0.873393
cg04165835	chr19	44642043		0.262932	2.428401	0.016203	0.874444

cg10586147	chr10	93371903		0.338453	2.424534	0.016371	0.876508
cg11209892	chr7	1.29E+08		0.333696	2.427472	0.016243	0.874842
cg09961427	chr2	1.27E+08		0.24684	2.435292	0.015908	0.873393
cg22052659	chr8	1.14E+08		0.255225	2.431185	0.016083	0.873393
cg15316789	chr3	29322368		-0.32192	-2.43184	0.016055	0.873393
cg01243371	chr16	86547386		0.281241	2.431648	0.016063	0.873393
cg00964997	chr4	13531195		0.205933	2.433526	0.015983	0.873393
cg26679158	chr6	1.11E+08		0.353237	2.427659	0.016235	0.874628
cg02119043	chr5	1.57E+08		0.31909	2.425453	0.016331	0.876508
cg27072575	chr17	62778413		-0.21929	-2.43121	0.016082	0.873393
cg04188241	chr5	1.43E+08		-0.33512	-2.42789	0.016225	0.874563
cg18365211	chr4	7770554		0.268615	2.424959	0.016352	0.876508
cg21507987	chr11	10527506		-0.25921	-2.43329	0.015993	0.873393
cg15016597	chr1	1.56E+08	SH2D2A	0.265434	2.432089	0.016045	0.873393
cg08229199	chr14	59932289		0.355839	2.427991	0.016221	0.874517
cg11889692	chr14	77591661		-0.18544	-2.43676	0.015846	0.873036
cg26766678	chr3	25825159		0.29994	2.42684	0.01627	0.87543
cg07453773	chr11	8779319		-0.27135	-2.4281	0.016216	0.874517
cg08377398	chr4	6202553	S100P	0.365392	2.432268	0.016037	0.873393
cg03135351	chr2	29338258		0.155542	2.431238	0.016081	0.873393
cg04982922	chr6	27228330		0.338531	2.4336	0.01598	0.873393
cg26750139	chr1	1.8E+08		0.207355	2.430425	0.016116	0.873393
cg22190023	chr5	1.41E+08		0.538053	2.426663	0.016278	0.87543
cg12597066	chr17	16473468		-0.32712	-2.42781	0.016229	0.874612
cg14816087	chr6	27259043		0.321565	2.424776	0.01636	0.876508

cg12412384	chr12	12673025		-0.33842	-2.43094	0.016094	0.873393
cg12040278	chr2	37572396		-0.24759	-2.42604	0.016305	0.876297
cg04015501	chr13	1.13E+08		-0.33028	-2.42527	0.016339	0.876508
cg26524899	chr14	64932678		-0.32977	-2.42842	0.016202	0.874444
cg18883033	chr4	3742181		0.323946	2.425472	0.01633	0.876508
cg03755872	chr11	1.31E+08		0.38548	2.424228	0.016384	0.876508
cg00805562	chr20	30074041		-0.36874	-2.42642	0.016289	0.875688
cg00319912	chr19	39441002		0.181168	2.430122	0.016129	0.873393
cg08859190	chr12	1.07E+08		0.328235	2.421727	0.016493	0.87755
cg12769138	chr2	1.68E+08		0.330202	2.429626	0.01615	0.873393
cg20466761	chr6	2766613	ENSG00000270504	-0.19835	-2.42876	0.016188	0.874148
cg01294431	chr9	1.14E+08		-0.31655	-2.42158	0.0165	0.87755
cg00124905	chr4	1.47E+08		0.292783	2.434074	0.01596	0.873393
cg07747635	chr3	1.94E+08		0.23362	2.425307	0.016337	0.876508
cg04823796	chr9	1.4E+08	EGFL7	-0.25374	-2.4327	0.016019	0.873393
cg26348614	chr5	75820852	ANKDD1B;POC5	0.470106	2.426653	0.016279	0.87543
cg14120436	chr15	52483498		0.316402	2.44647	0.01544	0.871029
cg12267367	chr2	70521024		-0.23673	-2.43446	0.015944	0.873393
cg12200038	chr14	38091470	CLEC14A;FOXA1	-0.5433	-2.42957	0.016153	0.873393
cg25807804	chr12	67473004		-0.29743	-2.43058	0.016109	0.873393
cg25106707	chr4	15341523		0.369666	2.429276	0.016165	0.873953
cg12186219	chr11	1463541		-0.39208	-2.42725	0.016253	0.87503
cg06349717	chr1	15546187		0.357594	2.426721	0.016276	0.87543
cg09095924	chr16	1722278		0.229411	2.427877	0.016226	0.874563
cg00206058	chr2	11750918		-0.30915	-2.42594	0.01631	0.87644

cg00033915	chr19	7504569		-0.32508	-2.42709	0.01626	0.875175
cg16808587	chr4	1.74E+08		0.232357	2.424316	0.01638	0.876508
cg17131837	chr12	66251661	HELB	-0.44807	-2.42245	0.016462	0.87755
cg04919918	chr5	39075035		-0.34879	-2.42373	0.016406	0.876636
ch.2.85209317F	chr2	85355806		0.349025	2.43135	0.016076	0.873393
cg10188909	chr2	57634837		-0.268	-2.42901	0.016177	0.874148
cg13897222	chr1	2.21E+08		-0.41203	-2.42233	0.016467	0.87755
cg01050704	chr19	59084995		0.194687	2.42217	0.016474	0.87755
cg22083053	chr4	13541444		0.24439	2.431122	0.016086	0.873393
cg18757817	chr2	2.09E+08		-0.94366	-2.43381	0.015971	0.873393
cg19920737	chr5	1.15E+08		-0.22016	-2.42899	0.016177	0.874148
cg11585156	chr19	52598983		-0.30442	-2.42312	0.016432	0.87755
cg00854324	chr16	69941269	HYDIN;ENSG00000262890;HAS3;ENSG00000260156;TANGO6;IL34;SNTB2;WWP2;NQO1;ST3GAL2;MTSS1L	0.426572	2.433216	0.015996	0.873393
cg25372568	chr3	1.87E+08		0.165474	2.433299	0.015993	0.873393
cg04293218	chr8	38127091		-0.33803	-2.42531	0.016337	0.876508
cg10502590	chr6	88986780		-0.28933	-2.42974	0.016145	0.873393
cg18253910	chr22	30230951		-0.31208	-2.42475	0.016361	0.876508
cg06906965	chr19	58450175		-0.25052	-2.43114	0.016085	0.873393
cg13591723	chr12	46765135		0.213189	2.430119	0.016129	0.873393
cg06646112	chr1	3621445		-0.22148	-2.42309	0.016434	0.87755

cg16261676	chr10	80446507		0.383486	2.421311	0.016512	0.877795
cg24481633	chr7	1.12E+08		0.148692	2.429565	0.016153	0.873393
cg11235602	chr3	39543776		0.724998	2.430317	0.016121	0.873393
cg22203776	chr3	1.47E+08		0.299194	2.421113	0.01652	0.87793
cg15059176	chr1	3306447		-0.30896	-2.42984	0.016141	0.873393
cg14575255	chr2	1.01E+08		0.297847	2.4288	0.016186	0.874148
cg11906131	chr5	80623934	CKMT2	-0.28584	-2.42412	0.016389	0.876508
cg10996463	chr6	32150739		-0.15268	-2.4272	0.016255	0.87503
cg11930592	chr4	4861820		0.252436	2.424344	0.016379	0.876508
cg26451923	chr10	12238536		-0.22287	-2.42439	0.016377	0.876508
cg14390580	chr17	35873008		-0.2793	-2.42682	0.016271	0.87543
cg14194397	chr18	47015710		-0.26649	-2.42552	0.016328	0.876508
cg08868915	chr1	2.48E+08		-0.39927	-2.4256	0.016324	0.876508
cg09266979	chr1	22777744		-0.27092	-2.42846	0.0162	0.874444
cg16929299	chr17	47308140		0.149789	2.428816	0.016185	0.874148
cg15646795	chr7	1.08E+08		-0.20874	-2.43065	0.016106	0.873393
cg22580275	chr10	816999		0.274998	2.433418	0.015988	0.873393
cg26375147	chr11	60674132		-0.22867	-2.42977	0.016144	0.873393
cg23703062	chr18	14748198		0.649317	2.430134	0.016128	0.873393
cg25158147	chr10	54073150		0.398892	2.422444	0.016462	0.87755
cg25361850	chr19	52391789		0.36905	2.418851	0.01662	0.878291
cg04600618	chr6	43612980		0.297996	2.439445	0.015733	0.871845
cg06170754	chr4	77997420		-0.32528	-2.42992	0.016137	0.873393
cg20622964	chr15	90895335		-0.19037	-2.4225	0.016459	0.87755
cg24425483	chr6	32146195		0.289998	2.421582	0.0165	0.87755

cg19307543	chr8	2091425		-0.36619	-2.4327	0.016018	0.873393
cg16665765	chr3	37934293		0.270864	2.427347	0.016249	0.875024
cg10950924	chr17	47092072	HOXB-AS2	0.649984	2.423784	0.016403	0.876622
cg07690349	chr11	1257659		-0.33865	-2.4248	0.016359	0.876508
cg01168235	chr3	1.2E+08		0.397339	2.420124	0.016564	0.878263
cg26875805	chr1	1.67E+08		0.382409	2.42337	0.016421	0.87715
cg26915704	chr18	77211963		0.329889	2.422637	0.016453	0.87755
cg13618939	chr10	46090486		0.196414	2.420827	0.016533	0.878263
cg22785805	chr14	60194249		-0.4565	-2.42379	0.016403	0.876622
cg12280317	chr1	1.52E+08	GABPB2;TUFT1	-0.38189	-2.43063	0.016107	0.873393
cg17819963	chr10	1.35E+08		-0.21194	-2.42441	0.016376	0.876508
cg03113683	chr21	34852656		-0.23434	-2.41971	0.016582	0.878263
cg20326410	chr1	53600821	SLC1A7;PODN	-0.31187	-2.42389	0.016399	0.876584
cg18609037	chr17	79099246		-0.20862	-2.42223	0.016471	0.87755
cg05478628	chr14	21029431		0.352504	2.421941	0.016484	0.87755
cg24098252	chr12	1.32E+08		-0.61799	-2.4192	0.016604	0.878263
cg10279148	chr16	8960126		0.28796	2.425283	0.016338	0.876508
cg17651164	chr2	2.36E+08		-0.42061	-2.42405	0.016392	0.876548
cg07078532	chr17	78194205		-0.15449	-2.42613	0.016301	0.876219
cg13462030	chr8	22926911	ENSG00000253930	-0.23593	-2.42504	0.016349	0.876508
cg19269093	chr2	38496264		0.394435	2.424246	0.016383	0.876508
cg19436403	chr19	12780550		0.20721	2.436024	0.015877	0.873393
cg15034009	chr15	26425086		0.274054	2.421327	0.016511	0.877795
cg10034572	chr2	1.61E+08		-0.28387	-2.42978	0.016143	0.873393
cg15245598	chr8	94709667		-0.39791	-2.42702	0.016263	0.875238

cg26111757	chr20	31642120	E2F1;TSPY26P	-0.30759	-2.42041	0.016551	0.878263
cg26317206	chr3	1.36E+08		-0.23042	-2.42013	0.016563	0.878263
cg12972290	chr14	1.02E+08	WARS	-0.37379	-2.42027	0.016557	0.878263
cg24469001	chr6	34014312		-0.27028	-2.42481	0.016359	0.876508
cg26034150	chr2	2.02E+08		-0.26011	-2.42435	0.016378	0.876508
cg27412975	chr4	1.23E+08		0.34624	2.423002	0.016437	0.87755
cg01896918	chr7	73938448	ELN;GTF2I;ABHD11	-0.46718	-2.42414	0.016388	0.876508
cg26916862	chr7	63361617	ENSG00000214652;ENSG00000227910;NMD3P1;ENSG00000223974	0.503426	2.418131	0.016652	0.878291
cg17558497	chr22	50464837		-0.25688	-2.42204	0.01648	0.87755
cg24948406	chr17	46608268	LRRC46;TTLL6	0.51338	2.425176	0.016343	0.876508
cg03127416	chr8	22548006	REEP4;BMP1	0.39357	2.422366	0.016465	0.87755
cg11071207	chr1	1.11E+08	KCNC4-AS1	0.331743	2.422863	0.016444	0.87755
cg23378033	chr12	65672031		0.405226	2.428002	0.01622	0.874517
cg27095074	chr19	51928597		0.259866	2.421745	0.016492	0.87755
cg21236379	chr12	1.32E+08		0.365191	2.422654	0.016453	0.87755
cg13092405	chr1	2.28E+08		0.498045	2.42339	0.016421	0.87715
cg15351741	chr12	5276482	AKAP3;CCND2;ANO2;NTF3;VWF;KCNA5;KCNA1	-0.28393	-2.43228	0.016036	0.873393
cg11376080	chr3	1.26E+08		0.272837	2.419539	0.016589	0.878263
cg21749538	chr20	43588937		-0.22698	-2.42248	0.01646	0.87755
cg19476016	chr17	76374525		0.170991	2.420344	0.016554	0.878263

cg16649999	chr16	48545529	N4BP1	-0.32108	-2.42754	0.01624	0.874785
cg15068641	chr2	2.37E+08		0.234077	2.416821	0.01671	0.878382
cg13580265	chr11	6291625	GVINP1	0.433692	2.41603	0.016745	0.878931
cg02993991	chr19	4064177		-0.35144	-2.4203	0.016556	0.878263
cg16097955	chr6	4905378		0.226656	2.427688	0.016234	0.874628
cg20250570	chr10	1034318		-0.20221	-2.42209	0.016477	0.87755
cg20424530	chr12	44152509		-0.33064	-2.4216	0.016499	0.87755
cg24242194	chr7	75677414		-0.27959	-2.41919	0.016605	0.878263
cg00816620	chr1	1.85E+08		-0.40984	-2.41825	0.016646	0.878291
cg12577455	chr11	1.25E+08		0.221258	2.425014	0.01635	0.876508
cg19962075	chr18	48256050		0.566029	2.425449	0.016331	0.876508
cg17080180	chr14	77788400		-0.20226	-2.42149	0.016504	0.877597
cg02356872	chr19	49617495		-0.21134	-2.41913	0.016607	0.878263
cg09948879	chr13	1.14E+08		-0.17524	-2.4203	0.016556	0.878263
cg22931725	chr1	2.4E+08		0.283937	2.422816	0.016446	0.87755
cg14101359	chr10	97300930	ENSG00000269948;SORBS1	0.260249	2.416331	0.016731	0.878894
cg03750407	chr11	67159770		-0.12379	-2.43053	0.016111	0.873393
cg20348746	chr2	1.88E+08		-0.402	-2.42212	0.016476	0.87755
cg03678729	chr2	1.45E+08		-0.41198	-2.41938	0.016597	0.878263
cg26797270	chr3	4345077		-0.2176	-2.4174	0.016684	0.878382
cg11426899	chr19	59067429		0.236744	2.419214	0.016604	0.878263
cg02032488	chr7	645730		0.306942	2.416963	0.016703	0.878382
cg03853809	chr1	2.21E+08		0.37688	2.424369	0.016378	0.876508
cg02653612	chr4	1.41E+08		-0.24221	-2.42392	0.016397	0.876584

cg05764102	chr16	72991344		0.213235	2.428198	0.016212	0.874517
cg11229005	chr5	1.24E+08		-0.4543	-2.41887	0.016619	0.878291
cg22954645	chr6	1.69E+08		-0.31184	-2.42169	0.016495	0.87755
cg22190833	chr7	1.51E+08		0.194582	2.417991	0.016658	0.878291
cg01904985	chr15	75117658		-0.21356	-2.42368	0.016408	0.876636
cg14614211	chr10	28034247		0.351283	2.417933	0.01666	0.878291
cg13045310	chr6	69346003		0.277814	2.419616	0.016586	0.878263
cg15941159	chr22	47075270		0.324532	2.420953	0.016527	0.878194
cg06610286	chr10	1.32E+08		0.39334	2.414751	0.016802	0.879267
cg25350703	chr10	88329610		-0.26555	-2.42549	0.016329	0.876508
cg05157912	chr14	75894395		-0.26467	-2.41488	0.016796	0.879267
cg18111139	chr2	2.23E+08		-0.24077	-2.41952	0.01659	0.878263
cg20548231	chr22	31318373		0.55272	2.419498	0.016591	0.878263
ch.2.229228416R	chr2	2.3E+08		0.461937	2.420229	0.016559	0.878263
cg03045079	chr14	39645334		-0.31702	-2.42172	0.016494	0.87755
cg23140050	chr14	97673803		0.289355	2.424521	0.016371	0.876508
cg17826980	chr1	1.77E+08		0.366836	2.417023	0.016701	0.878382
cg03556015	chr16	1425082		0.207161	2.4264	0.01629	0.875688
cg21453378	chr19	36024253		0.68336	2.419742	0.01658	0.878263
cg02420615	chr7	1.49E+08		0.223597	2.42229	0.016469	0.87755
cg03978579	chr10	50887861		0.235485	2.417927	0.016661	0.878291
cg03650233	chr8	57360226		-0.29645	-2.42006	0.016566	0.878263
cg15321396	chr16	67219218	CES4A	0.170836	2.416324	0.016732	0.878894
cg27154163	chr4	55523756		0.294501	2.421556	0.016501	0.87755
cg17891194	chr15	85201809		-0.20195	-2.4249	0.016355	0.876508

cg10754695	chr17	40688241		0.128664	2.419102	0.016609	0.878263
cg23833352	chr13	77553666		-0.29581	-2.41943	0.016594	0.878263
cg23217575	chr1	2.08E+08	FAIM3;CR1	0.440021	2.42721	0.016254	0.87503
cg07128900	chr16	70714357		0.460294	2.414493	0.016813	0.879267
cg13446974	chr3	1.28E+08		-0.23167	-2.41394	0.016838	0.879267
cg15692862	chr11	1.17E+08		0.221711	2.417949	0.01666	0.878291
cg22329579	chr17	34820348		0.399072	2.419049	0.016611	0.87828
cg07963147	chr3	1.41E+08	ACPL2;ENSG00000272565	0.262327	2.421824	0.016489	0.87755
cg25846723	chr15	26108948		0.390489	2.413756	0.016846	0.879267
cg00162969	chr12	1.33E+08		-0.38383	-2.41652	0.016723	0.87875
cg13434669	chr1	77013304	PIGK;ACADM;ENSG00000226084	0.291488	2.418256	0.016646	0.878291
cg02370222	chr6	38580256	BTBD9	-0.47324	-2.42291	0.016441	0.87755
cg01566965	chr4	1.74E+08		-0.35147	-2.41877	0.016623	0.878291
cg02081052	chr3	1.47E+08		0.273128	2.425116	0.016345	0.876508
cg20938231	chr3	46627218		0.206937	2.419221	0.016603	0.878263
cg03091738	chr12	58239134		0.218739	2.419909	0.016573	0.878263
cg07314067	chr10	1.35E+08		0.191805	2.414449	0.016815	0.879267
cg19966063	chr15	62990138		-0.25139	-2.42256	0.016457	0.87755
cg15423781	chr3	1.88E+08		-0.26554	-2.4182	0.016649	0.878291
cg04393637	chr17	75790091		-0.2399	-2.41577	0.016756	0.879059
cg00376129	chr3	61547524		0.21881	2.416835	0.016709	0.878382
cg10012394	chr5	63461371		-0.33076	-2.41795	0.01666	0.878291
cg22223602	chr11	1.19E+08		-0.15504	-2.41584	0.016753	0.879046

cg15272362	chr20	25062823		0.320293	2.42081	0.016534	0.878263
ch.3.31448979F	chr3	31473975		0.339932	2.419991	0.01657	0.878263
cg11590780	chr7	1.28E+08		-0.18501	-2.41804	0.016655	0.878291
cg24128979	chr19	29222213		-0.53515	-2.41724	0.016691	0.878382
cg24119798	chr11	45376874		0.283925	2.417265	0.01669	0.878382
cg25577821	chr15	53098475	MYO5C	0.313468	2.422521	0.016459	0.87755
cg06720014	chr1	19390728		0.243045	2.41717	0.016694	0.878382
cg13315450	chr2	2.2E+08	STK11IP;TTLL4	-0.28472	-2.42416	0.016387	0.876508
cg02380585	chr17	33776683	PEX12;TAF15	0.408166	2.418061	0.016655	0.878291
cg18801599	chr17	42092187	RPL27	-0.21807	-2.424	0.016394	0.876548
cg17446719	chr1	16302584		0.182437	2.414589	0.016809	0.879267
cg02784202	chr4	3643475		-0.28893	-2.42235	0.016466	0.87755
cg22389949	chr6	1.52E+08	ESR1	0.184213	2.415968	0.016747	0.878967
cg16738060	chr8	26026709	EBF2;DPYSL2	0.350703	2.41467	0.016805	0.879267
cg11654006	chr1	6324428		-0.30363	-2.4207	0.016538	0.878263
cg01786109	chr1	16056218		-0.27929	-2.41418	0.016827	0.879267
cg15377586	chr2	1.72E+08		0.218187	2.414191	0.016827	0.879267
cg02485584	chr2	1358702		0.318395	2.41063	0.016986	0.879901
cg06759788	chr5	1.11E+08	ENSG00000214784;CAMK4	-0.24926	-2.41825	0.016646	0.878291
cg12587930	chr20	4702464		0.183679	2.416131	0.01674	0.878931
cg16524332	chr4	3075655		-0.17836	-2.41669	0.016716	0.878589
cg19029378	chr10	43892946		0.43791	2.413176	0.016872	0.879267

cg00261690	chr1	28856281	PTAFR;ATPIF1;ENSG00000270605;TMEM200B;FGR;EPB41;TRNAU1AP;MED18	0.389724	2.419449	0.016593	0.878263
cg13578932	chr18	33647664		0.266861	2.416917	0.016705	0.878382
cg04677163	chr7	1.16E+08		0.230506	2.419114	0.016608	0.878263
cg22388812	chr19	18979364	LINC00663;SSBP4	0.306894	2.415588	0.016764	0.879059
cg05892484	chr7	2143507	PSMG3	0.288209	2.413108	0.016875	0.879267
cg20875159	chr12	1.15E+08		0.19417	2.414559	0.01681	0.879267
cg15125798	chr5	1.23E+08		-0.37727	-2.42191	0.016485	0.87755
cg04498349	chr16	10274317		0.316318	2.417304	0.016688	0.878382
cg23024102	chr13	45149706		0.271425	2.421246	0.016514	0.877798
cg09563102	chr2	47889		-0.22835	-2.42078	0.016535	0.878263
cg10370961	chr12	48723875		-0.42556	-2.41293	0.016883	0.879267
cg17492395	chr2	42180858		-0.40919	-2.41762	0.016674	0.878382
cg16079358	chr14	23340577		-0.18209	-2.42559	0.016325	0.876508
cg09173768	chr2	1.77E+08		0.28136	2.417627	0.016674	0.878382
cg00266968	chr7	2041505		-0.42883	-2.41891	0.016617	0.878291
cg02466572	chr10	94826319		0.259549	2.414783	0.0168	0.879267
cg08404009	chr13	1.1E+08		0.38717	2.414422	0.016816	0.879267
cg20412364	chr6	30299709		-0.42317	-2.4137	0.016849	0.879267
cg24595208	chr5	34496537	ADAMTS12;ENSG00000272323	0.353189	2.418701	0.016626	0.878291
cg14781189	chr2	1.64E+08		0.45425	2.411755	0.016936	0.879854

cg24352267	chr21	45553111		-0.18365	-2.41121	0.01696	0.879854
cg14474499	chr5	60918505	ENSG00000249279	-0.3356	-2.41341	0.016861	0.879267
cg15665833	chr6	26285013		0.376912	2.421216	0.016516	0.877798
cg01451328	chr14	61115053		0.299217	2.411709	0.016938	0.879854
cg26573334	chr12	1.14E+08		0.292171	2.411086	0.016966	0.879854
cg00075608	chr5	64770553		0.328257	2.419343	0.016598	0.878263
cg06855666	chr4	8617839		-0.32358	-2.4111	0.016965	0.879854
cg11859384	chr17	80120422		0.260331	2.419202	0.016604	0.878263
cg18123948	chr8	11560781		-0.2999	-2.40952	0.017036	0.880549
cg26524350	chr12	1.25E+08		-0.24928	-2.41339	0.016862	0.879267
cg15139254	chr17	72829938	TTYH2	-0.31738	-2.41094	0.016972	0.879854
cg12652137	chr2	2.43E+08		0.236274	2.419674	0.016583	0.878263
cg13800005	chr7	39629290		-0.45151	-2.42011	0.016564	0.878263
cg10018933	chr2	2.4E+08		-0.2357	-2.41845	0.016638	0.878291
cg17381032	chr4	83956989		0.384754	2.41414	0.016829	0.879267
cg12140543	chr7	31126495		-0.23302	-2.41558	0.016765	0.879059
cg01653354	chr6	74230425		0.230647	2.42004	0.016567	0.878263
cg04414975	chr12	1.3E+08		-0.29822	-2.42878	0.016187	0.874148
cg11328704	chr5	1.08E+08		-0.17935	-2.42472	0.016363	0.876508
cg10453148	chr16	89205542		0.364737	2.41743	0.016683	0.878382
cg09094615	chr8	17779997		0.276143	2.418153	0.016651	0.878291
cg19071342	chr2	85789035	DNAH6;RNF181;DUXAP1;CAPG;TRABD2A;RETSAT;LDHAP7	-0.19494	-2.41725	0.016691	0.878382

cg01175563	chr20	61904085		-0.15624	-2.41845	0.016638	0.878291
cg27295939	chr14	1.06E+08		-0.27171	-2.41164	0.016941	0.879854
cg12981272	chr3	37281848		-0.27794	-2.41103	0.016968	0.879854
cg01885839	chr5	1.11E+08		-0.31325	-2.4131	0.016875	0.879267
cg04980428	chr1	26098214		0.256441	2.425226	0.016341	0.876508
cg10476950	chr7	1.52E+08	KMT2C	-0.29792	-2.41612	0.016741	0.878931
cg13709634	chr11	679709		0.304505	2.412958	0.016882	0.879267
cg26406014	chr7	4218169		-0.3209	-2.41178	0.016935	0.879854
cg07123132	chr1	92546040		0.233347	2.415853	0.016753	0.879046
cg08235161	chr14	57262049		0.455911	2.413087	0.016876	0.879267
cg25296938	chr7	98976900	ARPC1B	-0.52148	-2.40923	0.017049	0.880549
cg16901140	chr19	1301352		-0.34618	-2.41069	0.016984	0.879901
cg02032982	chr14	76905532		-0.32561	-2.41207	0.016922	0.879854
cg18574298	chr21	47015398		-0.24543	-2.41469	0.016804	0.879267
cg11895696	chr7	1.05E+08	CDHR3;PUS7	0.394908	2.415609	0.016763	0.879059
cg25519654	chr2	99774805		-0.29656	-2.41016	0.017007	0.880169
cg07028415	chr6	3285475	ENSG00000260604;SLC22A23;ENSG00000233068;BPHL	0.368749	2.418068	0.016654	0.878291
cg12043818	chr10	47008202	PTPN20A	0.585684	2.413647	0.016851	0.879267
cg06842181	chr11	2066779		0.372279	2.416044	0.016744	0.878931
cg10061927	chr14	88620324		-0.26618	-2.42253	0.016458	0.87755
cg18099306	chr19	21578450		0.300769	2.413089	0.016876	0.879267
cg05179204	chr12	91539940		0.326171	2.41807	0.016654	0.878291
cg15779716	chr3	45188208		-0.23179	-2.41468	0.016805	0.879267

cg22683036	chr1	63249209		0.508089	2.417518	0.016679	0.878382
cg05708536	chr1	1.13E+08		0.443119	2.416371	0.01673	0.878894
cg18977436	chr13	1.03E+08		-0.39554	-2.41357	0.016854	0.879267
cg23205629	chr8	33421410		0.319099	2.412253	0.016913	0.879854
cg22873510	chr8	1.27E+08	NDUFB9	-0.19813	-2.41755	0.016677	0.878382
cg18181904	chr17	53853689		0.199013	2.415559	0.016766	0.879059
cg11323359	chr7	47784660		-0.22734	-2.41919	0.016605	0.878263
cg14012264	chr7	4743426		-0.28692	-2.41432	0.016821	0.879267
cg13088206	chr1	2.37E+08		-0.29386	-2.41327	0.016868	0.879267
cg15109151	chr1	2.37E+08		0.275156	2.413728	0.016847	0.879267
cg14019348	chr2	9504768		-0.35142	-2.41535	0.016775	0.879267
cg26902279	chr5	1.35E+08		0.29516	2.41099	0.01697	0.879854
cg23707005	chr22	47558273		-0.31128	-2.41475	0.016802	0.879267
cg24865495	chr11	63912769		-0.26369	-2.41114	0.016963	0.879854
cg27665715	chr16	562977		-0.26762	-2.41463	0.016807	0.879267
cg23813865	chr1	2.12E+08		-0.29176	-2.41716	0.016695	0.878382
cg17314700	chr2	19548291		0.244785	2.416866	0.016708	0.878382
cg17410394	chr4	5897891		-0.33612	-2.41279	0.016889	0.879395
cg09981996	chr19	18061380		0.269931	2.414721	0.016803	0.879267
cg00146698	chr4	1.13E+08		-0.29638	-2.4098	0.017023	0.880444
cg22542222	chr10	1.32E+08		-0.27671	-2.41179	0.016934	0.879854
cg09182138	chr1	1.57E+08		0.242481	2.415593	0.016764	0.879059
cg08788246	chr22	20758901		0.27508	2.408564	0.017079	0.880549
cg17748645	chr6	39269903	ENSG00000235033;DAAM2;MOCS1	-0.32361	-2.41604	0.016744	0.878931

cg20586210	chr3	1.97E+08		-0.28735	-2.41301	0.016879	0.879267
cg12551567	chr20	3777255		-0.21692	-2.40934	0.017044	0.880549
cg03243946	chr12	21811034	ENSG00000256973	0.287636	2.409789	0.017024	0.880444
cg04187039	chr16	89048704		0.272397	2.416985	0.016702	0.878382
cg07384589	chr16	89692360		0.345436	2.412179	0.016917	0.879854
cg19086309	chr7	1.35E+08		0.372208	2.411223	0.016959	0.879854
cg21556967	chr4	1.56E+08		-0.33136	-2.4105	0.016992	0.879901
cg11848928	chr7	1.58E+08		0.255418	2.413582	0.016854	0.879267
cg16572224	chr5	1.72E+08	STK10	0.381937	2.411536	0.016945	0.879854
cg06369443	chr1	41303048		-0.19946	-2.41138	0.016952	0.879854
cg18013306	chr15	68521911	HNRNPA1P5	0.152225	2.417359	0.016686	0.878382
cg03510310	chr11	63331286		0.193274	2.412741	0.016891	0.879395
cg04888116	chr10	46032181		-0.35149	-2.41122	0.01696	0.879854
cg07287463	chr1	47903450		0.287589	2.420366	0.016553	0.878263
cg18701598	chr10	91011892		-0.26636	-2.41682	0.01671	0.878382
cg01001314	chr4	3669900		-0.24696	-2.4143	0.016822	0.879267
cg12465518	chr17	58308936		-0.29406	-2.40883	0.017067	0.880549
cg22235901	chr2	2.43E+08		-0.21255	-2.41048	0.016993	0.879901
ch.1.933676F	chr1	28306549	SNHG3;SNORA73B;SNHG12	0.422881	2.410913	0.016973	0.879854
cg03036592	chr10	1.01E+08		0.322393	2.412278	0.016912	0.879854
cg05132905	chr2	38600367		0.344561	2.416584	0.01672	0.878718
cg22361543	chr1	7757378		-0.28629	-2.40777	0.017115	0.880549
cg02547263	chr20	32450501	E2F1	-0.29372	-2.4064	0.017178	0.880549
cg13210078	chr17	48247370		0.217676	2.408794	0.017069	0.880549

cg05821633	chr1	10837632		-0.36907	-2.41172	0.016937	0.879854
cg09685096	chr1	86157111		0.303947	2.418483	0.016636	0.878291
cg10452801	chr17	76164396		-0.26759	-2.40753	0.017126	0.880549
cg18394648	chr5	1.42E+08		0.446601	2.443667	0.015556	0.871029
cg08101193	chr11	6290951		0.307981	2.415263	0.016779	0.879267
cg15032444	chr6	43027766		-0.18657	-2.41829	0.016645	0.878291
cg18470144	chr11	14994989		-0.23567	-2.4067	0.017164	0.880549
cg13779567	chr1	2.33E+08		-0.16484	-2.41073	0.016982	0.879901
cg11888447	chr5	55705596		0.406182	2.41215	0.016918	0.879854
cg00741523	chr10	31236948		-0.24905	-2.41314	0.016874	0.879267
cg19870365	chr6	41041678	USP49	0.220231	2.408211	0.017095	0.880549
cg26616258	chr16	358591		0.265493	2.414236	0.016825	0.879267
cg16490757	chr10	75908011		0.274804	2.410383	0.016997	0.879901
cg27297221	chr19	663093		-0.1938	-2.41037	0.016998	0.879901
cg10456541	chr2	8721512	KIDINS220;ASAP2;ADAM17;ENSG00000236008	0.307658	2.433017	0.016005	0.873393
cg21182196	chr14	95786801	SYNE3;BDKRB2;SNHG10	-0.41961	-2.40792	0.017109	0.880549
cg09145546	chr16	56696748		0.356819	2.410788	0.016979	0.879901
cg02687418	chr11	85393765		0.678245	2.406631	0.017167	0.880549
cg09798366	chr7	52985263		0.384364	2.408308	0.017091	0.880549
cg00378292	chr9	1.41E+08		-0.22752	-2.41527	0.016778	0.879267
cg00025647	chr3	1.47E+08		0.175186	2.416088	0.016742	0.878931
cg26311804	chr11	1.33E+08	JAM3	-0.36571	-2.40917	0.017052	0.880549
cg22887949	chr10	1.35E+08		-0.29423	-2.41058	0.016989	0.879901

cg16006934	chr12	1.21E+08		0.194409	2.413727	0.016847	0.879267
cg18475039	chr19	6590106		-0.29336	-2.41351	0.016857	0.879267
cg00299047	chr19	2252069		0.26352	2.411155	0.016963	0.879854
cg08719380	chr2	1.53E+08		-0.26952	-2.4154	0.016773	0.879267
cg11908057	chr7	27171154		0.329151	2.408648	0.017076	0.880549
cg22403273	chr4	81951956		-0.23748	-2.40872	0.017072	0.880549
cg23759484	chr6	52285252		-0.31637	-2.4172	0.016693	0.878382
cg23076016	chr19	52097835	SIGLEC9	-0.20938	-2.41365	0.016851	0.879267
cg04762346	chr19	10341584		-0.17366	-2.40655	0.01717	0.880549
cg09122458	chr10	75490132	RAB5CP1	-0.2399	-2.41448	0.016814	0.879267
cg12830438	chr2	1E+08		-0.33055	-2.41309	0.016876	0.879267
cg07128799	chr10	1.15E+08		-0.29766	-2.40944	0.01704	0.880549
cg06807086	chr1	14071648		-0.24745	-2.41459	0.016809	0.879267
cg11499091	chr17	78735302	RNF213;TMEM105;NPLOC4;LINC00482	-0.50077	-2.40754	0.017126	0.880549
cg05361096	chr12	50349307	WNT10B;LMBR1L	0.359121	2.407383	0.017133	0.880549
cg04247603	chr6	5994743	F13A1;LY86	0.331338	2.408037	0.017103	0.880549
cg04958124	chr7	1.49E+08		-0.14619	-2.40645	0.017175	0.880549
cg17735131	chr7	86849176		0.225917	2.408465	0.017084	0.880549
cg01643441	chr14	65567845		-0.37805	-2.40774	0.017117	0.880549
cg01776298	chr16	23767194	CHP2	0.358352	2.412002	0.016924	0.879854
cg12837057	chr6	1.5E+08		-0.18776	-2.40776	0.017116	0.880549
cg08975560	chr16	88870476		-0.24161	-2.40499	0.017241	0.880549
cg15581269	chr2	88650618		0.275706	2.409771	0.017025	0.880444

cg18181209	chr17	20006054		0.266839	2.407104	0.017145	0.880549
cg17946470	chr1	6685935		-0.22689	-2.40778	0.017115	0.880549
cg08911862	chr12	56733052		0.186246	2.417492	0.01668	0.878382
cg18887969	chr6	1.68E+08		-0.34532	-2.41053	0.016991	0.879901
cg25621466	chr1	2.03E+08		-0.37511	-2.41308	0.016876	0.879267
cg13722123	chr6	1.46E+08		0.357506	2.412529	0.016901	0.879782
cg21964231	chr19	1525705		-0.32619	-2.40931	0.017046	0.880549
cg04346968	chr11	3877179		-0.20207	-2.41026	0.017003	0.880057
cg11608147	chr4	85423065		0.39307	2.410991	0.01697	0.879854
cg17456994	chr10	6130864		-0.17794	-2.40895	0.017062	0.880549
cg18931629	chr21	47287357		0.378461	2.412879	0.016885	0.879289
cg16112050	chr18	713200		0.682706	2.403832	0.017294	0.880549
cg10433231	chr8	29940842		0.170215	2.403377	0.017315	0.880549
cg06691963	chr3	71149599		0.280923	2.414046	0.016833	0.879267
cg25257905	chr19	57335807		-0.22428	-2.40986	0.017021	0.880444
cg22675396	chr1	47488256		0.215972	2.411236	0.016959	0.879854
cg17892178	chr3	6902824	GRM7-AS1	0.357907	2.409273	0.017047	0.880549
cg25493545	chr19	10812419		-0.2112	-2.40739	0.017132	0.880549
cg01522553	chr1	1.11E+08	KCNC4-AS1	-0.32427	-2.40883	0.017067	0.880549
cg01529637	chr20	50721911		0.327588	2.408449	0.017085	0.880549
cg19035075	chr7	4736276		0.298261	2.41136	0.016953	0.879854
cg00573330	chr4	330651		-0.21299	-2.41298	0.016881	0.879267
cg03289681	chr11	1.12E+08		0.400444	2.405304	0.017227	0.880549
cg24587175	chr10	1.06E+08	CALHM2;USMG5;CCDC147	-0.54691	-2.40773	0.017117	0.880549

cg18708960	chr17	45772333		-0.18041	-2.40804	0.017103	0.880549
cg12519236	chr2	2.41E+08		0.275957	2.414145	0.016829	0.879267
cg25302419	chr5	11904015		0.271795	2.406896	0.017155	0.880549
cg15001843	chr2	2.36E+08		-0.31967	-2.40371	0.0173	0.880549
cg22099241	chr6	31379358	MSH5;LST1;PRR3	-0.27693	-2.40814	0.017099	0.880549
cg24053642	chr1	2.23E+08		0.249354	2.411297	0.016956	0.879854
cg11102098	chr10	1.19E+08		-0.34434	-2.40584	0.017203	0.880549
cg08378220	chr11	1.03E+08		0.406709	2.411044	0.016967	0.879854
cg24717061	chr10	1.03E+08		0.1807	2.40965	0.01703	0.880549
cg07323996	chr11	3210972		-0.17358	-2.40535	0.017225	0.880549
cg03402073	chr22	41974480		-0.28079	-2.41089	0.016974	0.879854
cg18769555	chr7	1.41E+08		-0.32278	-2.40999	0.017015	0.880358
cg13935689	chr1	9555691		0.273974	2.411329	0.016955	0.879854
cg19623835	chr15	25480005		-0.27563	-2.40558	0.017215	0.880549
cg13162328	chr8	22462125		-0.12943	-2.40874	0.017071	0.880549
cg17249942	chr21	45660288		0.171575	2.413093	0.016876	0.879267
cg15617853	chr13	47669359		-0.46986	-2.40547	0.01722	0.880549
cg13369981	chr7	1E+08	ZCWPW1;ZKSCAN1	-0.1865	-2.40349	0.01731	0.880549
cg23916205	chr8	11614368	FAM86B2	0.393377	2.403551	0.017307	0.880549
cg26739975	chr4	1.58E+08		0.486815	2.409077	0.017056	0.880549
cg16516959	chr6	32765109	DAXX;RPS18	-0.24227	-2.40848	0.017083	0.880549
cg15277914	chr3	1.54E+08		0.299973	2.405228	0.017231	0.880549
cg08786829	chr7	41739801		0.280971	2.40859	0.017078	0.880549
cg16092834	chr4	1.13E+08	ANK2	0.223482	2.406455	0.017175	0.880549

cg24785473	chr3	35681883		0.333453	2.404682	0.017256	0.880549
cg14698025	chr10	1245418		0.334639	2.402714	0.017346	0.880905
cg14897838	chr17	79339158	OXLD1	-0.38125	-2.40832	0.01709	0.880549
cg02696790	chr15	75250997		0.371016	2.40716	0.017143	0.880549
cg09481970	chr1	2.45E+08		0.223284	2.406513	0.017172	0.880549
cg24185852	chr5	1.69E+08	WWC1;TENM2;SLIT3;LCP2;ENSG00000248222	-0.27699	-2.41045	0.016994	0.879901
cg02805822	chr17	6916868		-0.29364	-2.41402	0.016834	0.879267
cg22495211	chr7	56514965		-0.32978	-2.41166	0.01694	0.879854
cg21230538	chr8	1.03E+08		-0.16893	-2.40296	0.017334	0.880675
cg26870057	chr2	1.19E+08		-0.32519	-2.40561	0.017213	0.880549
cg19685881	chr15	92574023		-0.57339	-2.40262	0.01735	0.880905
cg12530270	chr1	1.55E+08		0.239484	2.402112	0.017373	0.881505
cg21724717	chr7	93634202		0.310923	2.40478	0.017251	0.880549
cg10488292	chr7	6075080		0.275905	2.419729	0.016581	0.878263
cg17465112	chr1	37720957		0.374977	2.407699	0.017118	0.880549
cg15543489	chr19	46527546		0.303598	2.406409	0.017177	0.880549
cg04366801	chr1	26947443		-0.19301	-2.40685	0.017157	0.880549
cg24874277	chr15	33211107		-0.28439	-2.40351	0.017309	0.880549
cg25204769	chr6	35118442		-0.26657	-2.40744	0.01713	0.880549
cg09144608	chr1	2098929		-0.29347	-2.403	0.017332	0.880675
cg00915818	chr4	1.66E+08		-0.30529	-2.40687	0.017156	0.880549
cg02743576	chr2	2.42E+08		0.251375	2.402594	0.017351	0.880905
cg19974448	chr10	1.27E+08		-0.26722	-2.40722	0.01714	0.880549

cg10018272	chr1	67519814		-0.27071	-2.40181	0.017387	0.881782
cg12640930	chr1	1.75E+08		0.193135	2.406648	0.017166	0.880549
cg02091185	chr5	1.7E+08	LCP2;DOCK2	0.62801	2.404545	0.017262	0.880549
cg01586952	chr1	32891825	LCK;MARCKSL1;DCDC2B	-0.33737	-2.39985	0.017477	0.882586
cg24599205	chr1	1.11E+08		0.14612	2.404464	0.017266	0.880549
ch.10.109266902R	chr10	1.09E+08		-0.29657	-2.40601	0.017195	0.880549
cg20871243	chr1	2.35E+08		-0.16111	-2.4049	0.017246	0.880549
cg15095427	chr1	2.35E+08		-0.34252	-2.40888	0.017065	0.880549
cg00752852	chr2	2.19E+08		0.131764	2.408746	0.017071	0.880549
cg18803251	chr4	7374622		-0.29231	-2.40612	0.01719	0.880549
cg02427230	chr19	20278013		0.345495	2.399967	0.017472	0.882586
cg21168444	chr12	11896095		-0.38586	-2.39995	0.017473	0.882586
cg08175352	chr3	1.02E+08		-0.53292	-2.408	0.017105	0.880549
cg09208864	chr14	91805692		-0.18948	-2.40878	0.017069	0.880549
cg14878150	chr12	1.02E+08		-0.23706	-2.40535	0.017225	0.880549
cg06855334	chr11	18610462		-0.23229	-2.4039	0.017291	0.880549
cg01595804	chr13	1.14E+08		-0.25778	-2.40448	0.017265	0.880549
cg05309280	chr2	1.72E+08		0.392007	2.400462	0.017449	0.88242
cg23794848	chr12	3563020		-0.342	-2.40378	0.017297	0.880549
cg25210884	chr7	32091043		-0.27445	-2.4035	0.01731	0.880549
cg11053663	chr11	58034457		-0.33412	-2.40799	0.017105	0.880549
cg12308909	chr6	1.67E+08		0.341975	2.404786	0.017251	0.880549
cg14327063	chr9	1.08E+08		-0.34287	-2.40398	0.017288	0.880549
cg14979231	chr7	1.28E+08		0.180776	2.403804	0.017296	0.880549

cg16344215	chr14	23503697		-0.25952	-2.40511	0.017236	0.880549
cg24997888	chr1	1.79E+08		-0.62973	-2.40345	0.017312	0.880549
cg24859986	chr1	84084182		-0.40198	-2.40406	0.017284	0.880549
cg09516210	chr1	2825189	TP73-AS1	-0.21328	-2.39798	0.017564	0.883205
cg02577203	chr11	47869805		-0.21435	-2.40334	0.017317	0.880549
cg04830757	chr5	87880065		-0.36037	-2.40531	0.017227	0.880549
cg16890796	chr19	49937087	TEAD2;VRK3;HRC	0.255779	2.403962	0.017289	0.880549
cg11993873	chr8	43418721		-0.30425	-2.4005	0.017447	0.88242
cg05237114	chr8	58905672		-0.36105	-2.39913	0.01751	0.882849
cg13961425	chr6	31596913		-0.21685	-2.40336	0.017316	0.880549
cg20509869	chr2	2.2E+08		0.460432	2.400644	0.017441	0.88242
cg17153055	chr11	65265971		-0.30051	-2.40211	0.017373	0.881505
cg06846214	chr1	2.49E+08	NLRP3	-0.39945	-2.40019	0.017462	0.882528
cg25214187	chr11	1.34E+08	ENSG00000255545	-0.26525	-2.40464	0.017258	0.880549
cg21767191	chr3	17082105		-0.33739	-2.40419	0.017278	0.880549
cg11922563	chr5	75016955	GFM2;ANKDD1B	0.49438	2.401893	0.017383	0.881782
cg25817503	chr4	7788342		0.530533	2.428718	0.016189	0.874148
cg24451081	chr13	1.14E+08		0.282306	2.407045	0.017148	0.880549
cg15721243	chr19	53361448		-0.78132	-2.40605	0.017193	0.880549
cg09392499	chr2	65250623		-0.20814	-2.40794	0.017107	0.880549
cg20676317	chr10	1.35E+08		-0.23125	-2.40115	0.017417	0.88242
cg05708656	chr16	71792305		0.325859	2.403708	0.0173	0.880549
cg15916554	chr15	31508820	GOLGA8H	-0.33082	-2.39848	0.01754	0.883023
cg04188555	chr2	2.37E+08		0.265999	2.400373	0.017453	0.88242
cg19835796	chr5	1.24E+08		0.310823	2.403026	0.017331	0.880675

cg13650156	chr7	99970502	SLC12A9	-0.21691	-2.39939	0.017498	0.882822
cg01310784	chr17	43131994		0.253367	2.400445	0.01745	0.88242
cg04091405	chr11	1.19E+08		0.236173	2.401836	0.017386	0.881782
cg27112381	chr22	29602183		-0.25499	-2.40697	0.017151	0.880549
cg22846334	chr15	43941042		-0.3439	-2.40404	0.017285	0.880549
cg23930233	chr7	1E+08		0.241008	2.398842	0.017524	0.882861
cg24195796	chr15	29362669	APBA2	0.303457	2.403883	0.017292	0.880549
cg26921093	chr17	63534688		0.315756	2.406582	0.017169	0.880549
cg03309251	chr3	1.95E+08		0.342069	2.39853	0.017538	0.883023
cg06905387	chr18	44259787		-0.24033	-2.3998	0.01748	0.882614
cg21171130	chr14	24610583		0.168819	2.408105	0.0171	0.880549
cg06006665	chr10	519597		-0.34609	-2.39645	0.017635	0.883835
cg14076923	chr9	1.24E+08	GGTA1P;PHF19	-0.31687	-2.40048	0.017448	0.88242
cg01171885	chr8	63949480	GGH	-0.34401	-2.41001	0.017014	0.880358
cg15764655	chr22	50914909		-0.18092	-2.40284	0.01734	0.880749
cg25750018	chr22	21141659		-0.28943	-2.40047	0.017449	0.88242
cg08103072	chr14	1.06E+08		-0.19843	-2.40463	0.017258	0.880549
cg05960850	chr2	2192366	PXDN;SNTG2;TPO	-0.25708	-2.41118	0.016961	0.879854
cg05492818	chr16	89114193		0.51864	2.404913	0.017245	0.880549
cg01419757	chr11	1.02E+08		-0.18835	-2.40187	0.017385	0.881782
cg08455099	chr2	95663959		0.271309	2.401135	0.017418	0.88242
cg04992191	chr1	2.38E+08		-0.39737	-2.40569	0.01721	0.880549
cg19813025	chr5	5139643		0.292964	2.403617	0.017304	0.880549
ch.16.62634859F	chr16	64077358		-0.49072	-2.4002	0.017461	0.882528
cg03418154	chr15	63569557		-0.21321	-2.40041	0.017451	0.88242

cg18025976	chr4	74124864		-0.3206	-2.40496	0.017243	0.880549
cg08515989	chr16	29912904		0.582426	2.398382	0.017545	0.883023
cg10623826	chr6	31778639		-0.24675	-2.40078	0.017435	0.88242
cg10632266	chr1	1.68E+08	RCSD1	-0.16068	-2.40446	0.017266	0.880549
cg13070573	chr20	34995363	SOGA1;ERGIC3;DLGAP4;MYL9	0.275522	2.40172	0.017391	0.881835
cg18581355	chr5	53223750		0.390895	2.403508	0.017309	0.880549
cg25877512	chr11	1365753		0.286209	2.396361	0.017639	0.883868
cg15135842	chr3	60728530	PTPRG	-0.4388	-2.39995	0.017473	0.882586
cg05296057	chr19	3030247	TJP3	-0.22624	-2.40024	0.017459	0.882528
cg06990194	chr16	2024421		0.200581	2.399172	0.017509	0.882849
cg12266841	chr11	45687263		-0.13248	-2.39935	0.0175	0.882822
cg25553477	chr12	2920853	PARP11	-0.25714	-2.40326	0.017321	0.880549
cg02603876	chr16	30689847	TMEM219;SEZ6L2;DCTPP1;CD2BP2	-0.20515	-2.40496	0.017243	0.880549
cg22561757	chr8	27529643	FZD3	-0.28511	-2.40522	0.017231	0.880549
cg01708411	chr12	57631839		-0.2384	-2.40147	0.017403	0.882055
cg14099160	chr6	1.08E+08		-0.23448	-2.39906	0.017514	0.882849
cg03772909	chr3	1.39E+08		0.421998	2.401413	0.017405	0.882087
cg14334441	chr6	27235820		0.369079	2.402412	0.017359	0.881225
cg15682575	chr4	88732782		-0.26756	-2.39769	0.017577	0.883259
cg09044785	chr20	30458634		0.305664	2.408892	0.017064	0.880549
cg06432342	chr6	44134066	SRF;XPO5	0.327792	2.402613	0.01735	0.880905
cg00514186	chr20	62575401		-0.20421	-2.39789	0.017568	0.883205
cg01578632	chr16	69958298		0.33981	2.398565	0.017537	0.883023

cg26779330	chr11	1297558	IFITM1	0.379666	2.398896	0.017521	0.882861
cg23036678	chr11	70002831	CTTN	-0.44543	-2.40413	0.017281	0.880549
cg23560756	chr11	93862073		-0.16933	-2.40349	0.01731	0.880549
cg07048415	chr10	1.27E+08	FANK1;EDRF1	0.321534	2.407112	0.017145	0.880549
cg06233473	chr6	1.17E+08		0.235871	2.403139	0.017326	0.880675
cg08799865	chr10	1.05E+08		-0.17716	-2.40324	0.017321	0.880549
cg03389653	chr16	49316197		0.49846	2.395228	0.017692	0.884104
cg04457575	chr7	1.56E+08		0.225512	2.406855	0.017157	0.880549
cg22688836	chr12	88967594		-0.37296	-2.39659	0.017628	0.883835
cg25335841	chr7	38351094		0.488599	2.404098	0.017282	0.880549
cg17326090	chr22	28198472		0.28768	2.399895	0.017475	0.882586
cg00809021	chr3	50641523	SEMA3F	-0.18388	-2.40101	0.017424	0.88242
cg08445802	chr6	85482612	MRAP2	0.351288	2.397761	0.017574	0.883205
cg09871315	chr7	27142682		0.309826	2.402905	0.017337	0.880705
cg22459948	chr17	36508988		0.303025	2.399293	0.017503	0.882849
cg03581311	chr4	19457163		0.46834	2.407524	0.017126	0.880549
cg14905600	chr10	1.34E+08	LRRC27;TTC40;KNDC1;TUBGCP2;PWWP2B;INPP5A	0.534517	2.405637	0.017212	0.880549
cg27297326	chr6	31894990		-0.40799	-2.39447	0.017727	0.884203
cg07569018	chr7	1.57E+08		-0.3084	-2.40098	0.017425	0.88242
cg07273003	chr11	16955416		0.266339	2.399023	0.017516	0.882849
cg26121639	chr10	1.32E+08		0.407109	2.396932	0.017612	0.883835
cg09820827	chr13	1.12E+08		-0.27239	-2.39953	0.017492	0.882753
cg03286742	chr2	6946032		-0.28721	-2.40515	0.017234	0.880549

cg01601470	chr4	2137389		-0.27187	-2.39968	0.017485	0.882688
cg20308540	chr1	2.43E+08		0.312971	2.405627	0.017213	0.880549
cg05470468	chr3	44620074		-0.27806	-2.40011	0.017466	0.882586
cg19596435	chr1	11741483		-0.23885	-2.39426	0.017737	0.884203
cg10473026	chr12	34531563		0.30461	2.400872	0.01743	0.88242
cg20227213	chr3	37284559		-0.21297	-2.3967	0.017623	0.883835
cg04547220	chr2	84743558		0.229757	2.400432	0.01745	0.88242
cg26574777	chr13	1.01E+08		-0.31134	-2.40627	0.017183	0.880549
cg07452312	chr5	1.54E+08		-0.35324	-2.3979	0.017568	0.883205
cg03482682	chr20	708659		0.303823	2.401701	0.017392	0.881835
cg12990575	chr6	43042420		-0.17227	-2.40476	0.017252	0.880549
cg04724110	chr7	1.57E+08		0.343883	2.399108	0.017512	0.882849
cg01728866	chr1	43638014		0.203633	2.398625	0.017534	0.883023
cg17863912	chr2	1.77E+08		0.30513	2.403629	0.017304	0.880549
cg06142537	chr2	71114785		0.317188	2.402173	0.01737	0.881505
cg02644798	chr12	39837362		0.151263	2.40162	0.017396	0.881918
cg11858252	chr15	93257913		-0.1519	-2.40572	0.017209	0.880549
cg07581031	chr16	89898288	ENSG00000261574	-0.19606	-2.40698	0.017151	0.880549
cg14532069	chr18	59993399		-0.30641	-2.40528	0.017228	0.880549
cg03977157	chr17	57184624		-0.19848	-2.39833	0.017548	0.883023
cg06804154	chr1	1.1E+08		-0.15353	-2.40088	0.01743	0.88242
cg03981596	chr16	21695771		0.249066	2.394941	0.017705	0.884104
cg11032707	chr15	45671246	GATM	0.382852	2.394039	0.017747	0.884215
cg02635829	chr10	98740885		0.318528	2.405748	0.017207	0.880549
cg01323862	chr15	71185186		0.244228	2.397142	0.017603	0.883835

cg07507951	chr1	2.47E+08	ENSG00000260855	0.366169	2.393615	0.017767	0.884232
cg22942704	chr1	20813574		0.246582	2.395545	0.017677	0.884104
cg01787735	chr17	16690169	USP32P1;CCDC144A	0.394036	2.395158	0.017695	0.884104
cg10462778	chr5	1.72E+08		0.361868	2.396493	0.017633	0.883835
cg08382542	chr17	77772022		-0.19293	-2.39694	0.017612	0.883835
cg00019759	chr1	2.13E+08		0.243472	2.396145	0.017649	0.88402
cg09335911	chr10	1E+08		-0.22043	-2.39603	0.017655	0.88402
cg11217865	chr5	1.39E+08	ECSCR;DNAJC18;IK;CTNNA1;TMCO6;CD14;ZMAT2	0.546067	2.403273	0.01732	0.880549
cg16710170	chr7	1.52E+08		-0.32526	-2.39466	0.017718	0.884104
cg03954353	chr17	43715162	ENSG00000263503	-0.28755	-2.40375	0.017298	0.880549
cg03850730	chr15	62531125		-0.26007	-2.39501	0.017702	0.884104
cg07284407	chr20	57429858		0.259968	2.392542	0.017817	0.884826
cg09367432	chr4	3643635		0.246066	2.403333	0.017317	0.880549
cg22725901	chr19	54211361		0.236132	2.399524	0.017492	0.882753
cg13228701	chr11	78614522		0.495019	2.405599	0.017214	0.880549
cg07142555	chr17	45056929		0.34615	2.403281	0.01732	0.880549
cg12187394	chr13	1.13E+08		0.23229	2.398859	0.017523	0.882861
cg26660800	chr17	59480926		0.202848	2.399915	0.017474	0.882586
cg06866814	chr16	68027297		-0.1683	-2.39598	0.017657	0.88402
cg27198696	chr6	31680112	VARS2;HLA-C	0.319379	2.400441	0.01745	0.88242
cg04234597	chr5	3851581		-0.46252	-2.39776	0.017574	0.883205
cg05173517	chr12	1.22E+08		-0.19633	-2.39367	0.017765	0.884232

cg00049709	chr1	3057810		-0.2935	-2.39898	0.017517	0.882849
cg25026700	chr4	1.6E+08		-0.30488	-2.399	0.017516	0.882849
cg19603557	chr17	53044969	TMEM100	-0.35726	-2.39439	0.017731	0.884203
cg02725437	chr6	90348314		0.198591	2.399509	0.017493	0.882753
cg12009856	chr10	15131892		0.359375	2.396499	0.017633	0.883835
cg07740877	chr20	61493324		0.140242	2.393787	0.017759	0.884232
cg04306106	chr16	84681729		0.266643	2.394814	0.017711	0.884104
cg09762043	chr15	22833802		-0.24702	-2.40438	0.017269	0.880549
cg27230984	chr17	916362		0.214547	2.395706	0.01767	0.884104
cg22717014	chr4	1.12E+08		0.372267	2.400614	0.017442	0.88242
cg03870845	chr17	52978014		-0.15053	-2.39629	0.017642	0.883931
cg10924857	chr17	20013829		0.418665	2.394833	0.01771	0.884104
cg13641690	chr15	78114888	PEAK1;PSMA4;IREB2	-0.24427	-2.3933	0.017782	0.884492
cg12921799	chr21	33100923		0.409855	2.39701	0.017609	0.883835
cg14384748	chr12	1.33E+08		-0.76193	-2.39113	0.017884	0.884826
cg01221637	chr20	31071944		-0.20208	-2.40416	0.017279	0.880549
cg27588076	chr5	1.34E+08		-0.21111	-2.39543	0.017682	0.884104
cg04486885	chr5	1.77E+08		0.334317	2.397283	0.017596	0.883756
cg18692149	chr19	21646447	ENSG00000268416;ZNF626	0.431497	2.390823	0.017898	0.884826
cg22699084	chr13	31022702		0.212209	2.398192	0.017554	0.883127
cg07033624	chr13	1.13E+08		0.276575	2.394802	0.017712	0.884104
cg22903908	chr10	64578919		0.284766	2.397321	0.017594	0.883756
cg11109027	chr1	2.08E+08		-0.37929	-2.40154	0.017399	0.88199
cg24069037	chr11	64009540		-0.25009	-2.39479	0.017712	0.884104

cg27364394	chr4	1.53E+08		-0.30194	-2.39534	0.017687	0.884104
cg03344782	chr8	1.33E+08		-0.25305	-2.39477	0.017713	0.884104
cg22305167	chr6	29521420		0.589956	2.391093	0.017886	0.884826
cg16023943	chr10	27541331		0.362542	2.39416	0.017742	0.884215
cg24048437	chr5	53656287		-0.32737	-2.39835	0.017547	0.883023
cg06871764	chr6	32376095	BTNL2;HLA-DMA	-0.32369	-2.40115	0.017417	0.88242
cg01132502	chr5	1.79E+08		0.250162	2.395685	0.01767	0.884104
cg19025525	chr1	2.29E+08		-0.21959	-2.395	0.017702	0.884104
cg06729844	chr8	42551436		-0.29287	-2.39003	0.017935	0.884826
cg02095946	chr8	1397913		-0.23426	-2.39527	0.01769	0.884104
cg12439977	chr5	1.73E+08		0.33921	2.39665	0.017626	0.883835
cg02048505	chr7	48075568		-0.23896	-2.39647	0.017634	0.883835
cg03723001	chr12	1.17E+08		0.30345	2.396052	0.017653	0.88402
cg04194502	chr15	27135732		-0.29377	-2.39871	0.01753	0.883023
cg10340117	chr19	3984058	TLE2;C19orf10;FZR1;APBA3	0.316611	2.393309	0.017782	0.884492
cg20112110	chr6	1.06E+08		-0.2475	-2.39642	0.017636	0.883835
cg02161292	chr5	1.41E+08	DIAPH1	0.414344	2.402238	0.017367	0.881505
cg13361023	chr15	26105176	ATP10A;PWAR6;SNHG14;SNORD108	0.258076	2.393788	0.017759	0.884232
cg25555279	chr14	77423093		0.204908	2.393198	0.017787	0.884527
cg00105628	chr20	21087165		0.339431	2.396562	0.01763	0.883835
cg07005067	chr13	31782610	HMGB1;B3GALTL	-0.44855	-2.39843	0.017543	0.883023
cg26253258	chr20	60697513		-0.26894	-2.39785	0.01757	0.883205

cg17617182	chr6	12279872		-0.36552	-2.39477	0.017713	0.884104
cg17652741	chr4	13629432		-0.19384	-2.39422	0.017739	0.884203
cg12423338	chr3	99944194		-0.25394	-2.3904	0.017918	0.884826
cg25941075	chr11	73729854	PLEKHB1;DNAJB13;POLD3;PPME1;ENSG00000255847;C2CD3;PGM2L1;FCHSD2;ENSG00000254837;UCP2	0.346898	2.411569	0.016944	0.879854
cg09417530	chr8	91658296		0.190159	2.398101	0.017558	0.883205
cg12317414	chr10	75407991		0.316819	2.39594	0.017659	0.88402
cg04633600	chr5	1.02E+08		-0.2661	-2.3898	0.017947	0.884826
cg13985726	chr5	1.28E+08		0.250742	2.396828	0.017617	0.883835
cg05056288	chr2	30673635		-0.4452	-2.39506	0.0177	0.884104
cg27244242	chr6	31648070		-0.19848	-2.39349	0.017773	0.884255
cg17930459	chr19	49967850		0.253442	2.396572	0.017629	0.883835
cg16430365	chr16	86598888		0.272618	2.393079	0.017792	0.88455
cg17338430	chr5	1.71E+08		0.352324	2.392566	0.017816	0.884826
cg15259920	chr17	73997287		-0.37781	-2.39259	0.017815	0.884826
cg00250761	chr1	31883323	SERINC2;MTMR9LP;ZCCHC17;LCK;EIF3I;HDAC1;PUM1	-0.4312	-2.3945	0.017726	0.884203
cg09760200	chr20	62439544		-0.29585	-2.39095	0.017892	0.884826
cg27262041	chr11	19654032	ZDHHC13	-0.44285	-2.39426	0.017737	0.884203
cg22164577	chr2	1.71E+08		0.318299	2.394678	0.017717	0.884104

cg22838882	chr3	1.39E+08	NME9;FAIM;ENSG00000248932	0.311983	2.394677	0.017717	0.884104
cg26734916	chr11	62432630		0.189864	2.396471	0.017634	0.883835
cg13404951	chr12	1.2E+08		-0.21497	-2.3876	0.018051	0.884826
cg01370181	chr15	96874052		-0.25073	-2.403	0.017332	0.880675
cg13466930	chr11	1.25E+08		-0.27416	-2.39624	0.017645	0.88395
cg26723259	chr6	26199618		0.320038	2.395373	0.017685	0.884104
cg20559608	chr3	1.32E+08		0.223003	2.392883	0.017801	0.884747
cg06960794	chr6	1.49E+08		-0.30323	-2.39577	0.017667	0.884104
cg08587948	chr17	76490147		-0.28891	-2.39381	0.017758	0.884232
cg03828224	chr5	1.22E+08		-0.20018	-2.3936	0.017768	0.884232
cg12904114	chr2	96930658		0.272784	2.397477	0.017587	0.883652
cg01578996	chr19	57752011		-0.14298	-2.39045	0.017916	0.884826
cg09975562	chr2	2.4E+08		0.274471	2.395567	0.017676	0.884104
cg13534580	chr2	2.39E+08		0.368098	2.399469	0.017495	0.882753
cg16097655	chr5	1.32E+08		0.224636	2.391088	0.017886	0.884826
cg01616994	chr22	41593912		-0.22189	-2.39667	0.017625	0.883835
cg15713734	chr4	1.38E+08		-0.39556	-2.39172	0.017856	0.884826
cg01368900	chr3	13113959		0.281313	2.391394	0.017871	0.884826
cg11518032	chr2	1.21E+08		-0.23136	-2.39029	0.017923	0.884826
cg20701333	chr19	48965566	NTF4	0.378672	2.393056	0.017793	0.88455
cg13454937	chr17	55159264		-0.22187	-2.39355	0.01777	0.884232
cg25008263	chr14	89884608	CALM1;EFCAB11;TTC8;ENSG00000258752	0.284276	2.408763	0.01707	0.880549

cg08550785	chr8	1.05E+08		-0.41122	-2.38694	0.018082	0.884826
ch.4.3354065F	chr4	1.84E+08		0.244802	2.390452	0.017916	0.884826
cg10821115	chr5	1.29E+08		0.199082	2.391762	0.017854	0.884826
cg05587926	chr11	1.22E+08		0.211963	2.391374	0.017872	0.884826
cg04260057	chr17	79788636	MAFG-AS1	-0.19067	-2.39034	0.017921	0.884826
cg05895507	chr15	77155635		-0.36042	-2.39358	0.017769	0.884232
cg12681932	chr3	33481897		-0.21717	-2.38963	0.017955	0.884826
cg27356513	chr7	27265463		0.276589	2.390117	0.017932	0.884826
cg03762591	chr6	32040379		0.372239	2.390011	0.017937	0.884826
cg19781117	chr4	1.31E+08		-0.37439	-2.3905	0.017913	0.884826
cg26961166	chr8	73687160	RDH10;ENSG00000253339;ENSG00000250295	-0.3955	-2.39058	0.01791	0.884826
cg06792847	chr17	62773246	LRRC37A3	-0.21937	-2.39258	0.017816	0.884826
cg12614687	chr5	76926752		0.316627	2.391337	0.017874	0.884826
cg21090962	chr3	51428456		0.249798	2.393889	0.017754	0.884232
cg13171890	chr6	1.24E+08		-0.17645	-2.38983	0.017945	0.884826
cg16540036	chr5	1.4E+08		0.175066	2.400728	0.017437	0.88242
cg01021488	chr15	99395581		-0.19851	-2.38932	0.017969	0.884826
cg15441556	chr14	1.02E+08	MOK	0.208852	2.394405	0.01773	0.884203
cg02584498	chr2	11674057		-0.58835	-2.39029	0.017923	0.884826
cg09477407	chr12	1.05E+08		0.399422	2.3978	0.017572	0.883205
cg21895869	chr7	1.56E+08		-0.32817	-2.39288	0.017801	0.884747
cg03226737	chr11	7273049		0.428622	2.391802	0.017852	0.884826
cg05666842	chr3	1.26E+08		-0.18056	-2.38765	0.018049	0.884826

cg12820191	chr3	1.87E+08	IGF2BP2	-0.15837	-2.39226	0.01783	0.884826
cg08416569	chr2	1.31E+08		-0.25301	-2.38853	0.018006	0.884826
cg20962638	chr2	2.3E+08		0.343212	2.38688	0.018085	0.884826
cg01903785	chr1	2.26E+08		-0.28093	-2.3978	0.017572	0.883205
cg25284089	chr19	2731231		-0.2511	-2.39085	0.017897	0.884826
cg19025034	chr19	49198900		0.194912	2.391354	0.017873	0.884826
cg13573371	chr9	94897483		-0.39941	-2.39821	0.017553	0.883127
cg17430625	chr19	18304286		0.177685	2.386963	0.018081	0.884826
cg14139581	chr11	64358342	COX8A	-0.29501	-2.39686	0.017616	0.883835
cg05977669	chr7	27225070	ENSG00000214870	0.296575	2.389635	0.017954	0.884826
cg24692310	chr11	60915630	MS4A1	0.260106	2.387611	0.01805	0.884826
cg02898051	chr16	3415256		0.560342	2.387997	0.018032	0.884826
cg26839356	chr15	99603018		0.216616	2.39103	0.017889	0.884826
cg12990915	chr2	1.32E+08		0.253611	2.389791	0.017947	0.884826
cg03143725	chr7	800987		-0.25851	-2.3881	0.018027	0.884826
cg14571004	chr9	1.02E+08		0.297812	2.391527	0.017865	0.884826
cg15340582	chr5	1.4E+08		0.242889	2.391596	0.017862	0.884826
cg20680754	chr19	37157721		-0.21921	-2.39736	0.017593	0.883756
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cg23963153	chr2	1.97E+08		0.180955	2.397254	0.017597	0.883756
cg05772104	chr2	98340425		0.302221	2.393248	0.017784	0.884513
cg20276947	chr17	80056775		-0.15785	-2.39188	0.017848	0.884826
cg11618529	chr19	58952108	ZIK1;ZNF134;ZNF418;ZNF549;ZNF671	0.293334	2.387828	0.01804	0.884826
cg18792022	chr1	11709271	DHRS3	0.462508	2.394047	0.017747	0.884215

cg14244577	chr16	70332878		0.209635	2.386174	0.018119	0.884826
cg17851105	chr16	1464982		-0.25485	-2.38963	0.017954	0.884826
cg05082817	chr9	1.34E+08		0.256706	2.389737	0.01795	0.884826
cg06776824	chr8	1.02E+08		0.170995	2.389768	0.017948	0.884826
cg05345249	chr7	80291832		0.315214	2.388494	0.018008	0.884826
cg14579240	chr9	1.4E+08		0.211642	2.394581	0.017722	0.884189
cg27345286	chr11	33796106		-0.23544	-2.38619	0.018118	0.884826
cg12086806	chr11	45716445		-0.26396	-2.39128	0.017877	0.884826
cg05102869	chr16	5065190		0.282819	2.395112	0.017697	0.884104
cg21887246	chr11	3862297		0.191601	2.388465	0.01801	0.884826
cg01474481	chr12	1.22E+08		0.161588	2.38659	0.018099	0.884826
cg18411941	chr1	1132976		0.418998	2.388472	0.018009	0.884826
cg25488160	chr3	1.33E+08		-0.28948	-2.38963	0.017955	0.884826
cg02867818	chr10	180329		0.40661	2.386764	0.018091	0.884826
cg20275528	chr17	75369484		-0.22368	-2.38453	0.018197	0.884826
cg06884495	chr14	1.04E+08	TDRD9	0.344217	2.392497	0.01782	0.884826
cg19287320	chr4	1.7E+08		-0.31756	-2.39604	0.017654	0.88402
ch.2.237314361R	chr2	2.38E+08		-0.31114	-2.39862	0.017534	0.883023
cg23427963	chr10	1095038		-0.17074	-2.39435	0.017733	0.884203
cg06546717	chr12	1.14E+08		-0.23102	-2.38891	0.017989	0.884826
cg07145709	chr1	3667876		-0.16741	-2.38921	0.017975	0.884826
cg12138330	chr19	17955043		-0.22101	-2.38897	0.017986	0.884826
cg06775644	chr17	54991465		0.191277	2.388855	0.017991	0.884826
cg02791417	chr17	59492932		-0.17456	-2.39366	0.017765	0.884232
cg16256106	chr19	3970885		0.250851	2.39971	0.017484	0.882688

cg08889009	chr15	59157123		0.411342	2.390257	0.017925	0.884826
cg04308224	chr19	49122627		-0.186	-2.38461	0.018193	0.884826
cg06325996	chr3	10288127		-0.32691	-2.38706	0.018077	0.884826
cg15948410	chr17	80040611		0.293696	2.38798	0.018033	0.884826
cg08928753	chr1	43770707		-1.09274	-2.38798	0.018033	0.884826
cg26575173	chr19	40884830	FCGBP;AXL;FBL	-0.21	-2.38976	0.017948	0.884826
cg24215159	chr2	4050695		-0.36694	-2.38762	0.01805	0.884826
cg05224385	chr12	53715634		-0.33585	-2.39078	0.0179	0.884826
cg14458068	chr5	1.41E+08	PCDHGB6;PCDHGA4	0.429403	2.383798	0.018232	0.884826
cg11242978	chr22	46423387		0.233217	2.388398	0.018013	0.884826
cg00651401	chr3	1.96E+08		-0.28173	-2.3909	0.017895	0.884826
cg15123730	chr19	13215387	MAN2B1;CACNA1A	0.383383	2.386726	0.018092	0.884826
cg19339021	chr7	2697963		-0.28311	-2.38937	0.017967	0.884826
cg17217017	chr7	1.59E+08	PTPRN2;LINC00689	-0.26307	-2.38713	0.018073	0.884826
cg01227239	chr4	85412147		0.353755	2.388702	0.017999	0.884826
cg25320763	chr2	72109825		-0.2885	-2.3872	0.01807	0.884826
cg15066556	chr1	1.69E+08	ENSG00000234604	0.249724	2.385717	0.01814	0.884826
cg11286669	chr5	1.58E+08		-0.30491	-2.39565	0.017672	0.884104
cg16675357	chr8	91173192		0.293315	2.387025	0.018078	0.884826
cg14985973	chr14	61190762		-0.39372	-2.38666	0.018096	0.884826
cg11703808	chr22	29687554		-0.23735	-2.38773	0.018045	0.884826
cg03286387	chr11	1891050		0.186357	2.38869	0.017999	0.884826
cg04799062	chr10	1042201		0.269078	2.390175	0.017929	0.884826

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ch.10.2006653F	chr10	96321017		0.349113	2.384071	0.018219	0.884826
cg24086536	chr19	56444551		0.304424	2.38355	0.018244	0.884826
cg04988978	chr17	56359578	BZRAP1;TEX14	-0.34337	-2.38636	0.01811	0.884826
cg01750895	chr17	17463041	MED9	-0.20298	-2.38735	0.018063	0.884826
cg14358879	chr14	70655920		-0.2044	-2.39022	0.017927	0.884826
cg04725433	chr1	1.18E+08		0.327833	2.384645	0.018192	0.884826
cg23700124	chr4	1.24E+08		-0.19828	-2.38516	0.018167	0.884826
cg01947130	chr15	60287196		0.373523	2.383551	0.018244	0.884826
cg06026817	chr11	68518826		0.171582	2.390871	0.017896	0.884826
cg01097950	chr1	843491		-0.25563	-2.38592	0.018131	0.884826
cg09956924	chr8	1.44E+08		-0.26617	-2.38274	0.018283	0.885308
cg06302690	chr15	65197923	ANKDD1A	0.690598	2.381141	0.01836	0.886322
cg05923448	chr6	1.18E+08	FAM162B;FAM26E;SLC35F1	0.46388	2.392018	0.017842	0.884826
cg01497501	chr7	1200135		0.160654	2.39128	0.017877	0.884826
cg00086334	chr16	88904832		-0.18864	-2.38498	0.018176	0.884826
cg08445409	chr5	57878919		-0.18388	-2.38531	0.01816	0.884826
cg07918080	chr6	1.64E+08	QKI;ENSG00000225683	-0.35846	-2.39129	0.017876	0.884826
cg00290373	chr5	68462622		0.350095	2.389143	0.017978	0.884826
cg25547848	chr5	1.78E+08		0.412411	2.39364	0.017766	0.884232
cg12197470	chr3	1.6E+08		-0.26656	-2.38958	0.017957	0.884826
cg10185667	chr17	66507857		0.190346	2.390212	0.017927	0.884826
cg23650686	chr10	1.14E+08		0.28723	2.385619	0.018145	0.884826
cg17477995	chr1	8085641		-0.23724	-2.38868	0.018	0.884826

			SSBP4;LINC00663;ZNF506;HOMER3;PBX4;LSM4;COMP;RAB3A;NR2C2AP				
cg26542091	chr19	18974273		0.436571	2.390043	0.017935	0.884826
cg08022315	chr2	1.02E+08		-0.13056	-2.38809	0.018028	0.884826
cg13140167	chr22	33454504		0.38114	2.383868	0.018229	0.884826
cg03464692	chr4	1631517	PDE6B	-0.32135	-2.38754	0.018054	0.884826
cg07541701	chr12	54389934	ITGB7;NCKAP1L	0.290826	2.38175	0.01833	0.886322
cg23737768	chr17	38860097	ERBB2;KRT42P;KRT19;RAPGEFL1	-0.47216	-2.38484	0.018182	0.884826
cg02637247	chr16	86524562		-0.50575	-2.38285	0.018278	0.885308
cg09442828	chr8	37823979		0.302145	2.385117	0.018169	0.884826
cg11235391	chr8	49343007		-0.37355	-2.38397	0.018224	0.884826
cg16829809	chr2	2.19E+08		-0.39484	-2.38151	0.018342	0.886322
cg16258503	chr3	63850278		-0.20727	-2.38405	0.01822	0.884826
cg20164601	chr7	63642083		0.373312	2.383643	0.01824	0.884826
cg13492291	chr12	1.33E+08		0.324957	2.38968	0.017952	0.884826
cg17503252	chr4	1.3E+08		0.225813	2.386272	0.018114	0.884826
cg19478743	chr17	4642647		0.28184	2.38422	0.018212	0.884826
cg05546575	chr7	6483368		-0.34973	-2.39099	0.017891	0.884826
cg05707781	chr3	1.88E+08		0.408963	2.38768	0.018047	0.884826
cg12175753	chr19	40030677		-0.21331	-2.39251	0.017819	0.884826
cg23802150	chr1	3559889		-0.27506	-2.38646	0.018105	0.884826
cg15638366	chr2	1.73E+08		-0.43699	-2.3953	0.017689	0.884104
cg26637898	chr5	6759027		0.286541	2.387812	0.018041	0.884826

cg24582851	chr2	42772845		-0.29575	-2.39192	0.017847	0.884826
cg03326689	chr15	52588171		0.323941	2.391299	0.017876	0.884826
cg05170205	chr2	1.49E+08	LYPD6B	-0.24358	-2.38779	0.018042	0.884826
cg25976932	chr3	1.23E+08	KALRN;PARP14;ADCY5;MYLK-AS2;PARP9;DTX3L;MYLK-AS1	0.317651	2.384008	0.018222	0.884826
cg17208577	chr11	66139335		-0.19352	-2.3886	0.018003	0.884826
cg04142824	chr13	1.14E+08		0.341804	2.383153	0.018263	0.885245
cg16523078	chr1	85716218		0.276284	2.390918	0.017894	0.884826
cg23024228	chr1	2.37E+08		-0.32283	-2.38348	0.018247	0.884877
cg08340524	chr19	33891439		0.208352	2.381287	0.018353	0.886322
cg13973849	chr9	1.39E+08		-0.45431	-2.38372	0.018236	0.884826
cg11006962	chr11	59323675		0.324449	2.385373	0.018157	0.884826
cg07033736	chr16	87916302		-0.19404	-2.38622	0.018116	0.884826
cg16333269	chr2	8978225		0.305808	2.387398	0.01806	0.884826
cg04530460	chr6	42858550	USP49	-0.19014	-2.38892	0.017988	0.884826
cg05803596	chr1	2.03E+08		0.292497	2.381327	0.018351	0.886322
cg14181391	chr20	33265182		-0.24856	-2.38491	0.018179	0.884826
cg13733797	chr8	1.22E+08		-0.14164	-2.38253	0.018293	0.885585
ch.13.38799509F	chr13	39901509		0.527315	2.384276	0.018209	0.884826
cg09146781	chr16	31232337	PRR14;TGFB1I1;ARMC5	-0.30536	-2.38632	0.018112	0.884826
cg13066016	chr1	63786083		0.287718	2.389569	0.017957	0.884826
cg20269352	chr1	44483206		-0.23662	-2.38527	0.018162	0.884826

cg19910922	chr7	1.39E+08		-0.17849	-2.38028	0.018401	0.886385
cg04064254	chr21	47409570	POFUT2;C21orf58	-0.48443	-2.38031	0.0184	0.886385
cg22934849	chr6	1.49E+08		0.324517	2.38698	0.01808	0.884826
cg14071853	chr13	1.13E+08		-0.25793	-2.3889	0.017989	0.884826
cg23886424	chr7	98559116	ENSG00000272950	-0.26202	-2.39405	0.017747	0.884215
ch.20.53199 1F	chr20	24944973		0.348972	2.388987	0.017985	0.884826
cg15120925	chr12	1.14E+08		0.20362	2.385095	0.01817	0.884826
cg07408552	chr17	40611995	EIF1	0.288062	2.384534	0.018197	0.884826
cg15663316	chr10	15129319		0.345811	2.385512	0.01815	0.884826
cg09499095	chr2	2.42E+08		-0.31483	-2.38258	0.01829	0.88557
cg04086019	chr6	1.39E+08		0.264905	2.386955	0.018081	0.884826
cg17363443	chr11	57283526		0.213885	2.384846	0.018182	0.884826
cg14125003	chr11	67978396		-0.29185	-2.38544	0.018153	0.884826
cg25525687	chr19	7982713		0.24666	2.386434	0.018106	0.884826
cg12067736	chr1	8412849		0.445677	2.384632	0.018192	0.884826
cg15811515	chr16	31580989	BCKDK	0.334753	2.382778	0.018281	0.885308
cg04474190	chr3	1.89E+08		-0.33715	-2.38741	0.01806	0.884826
cg05248652	chr17	81043057		0.258181	2.381897	0.018323	0.88626
cg05022341	chr5	1.76E+08		0.178091	2.38993	0.01794	0.884826
cg13955747	chr2	677585		-0.23089	-2.38445	0.018201	0.884826
cg11003278	chr22	39053181		-0.31807	-2.39309	0.017792	0.88455
cg04724646	chr12	20706631		0.387515	2.392021	0.017842	0.884826
cg07318453	chr4	74124502		-0.23118	-2.38094	0.018369	0.886322
cg22086834	chr7	94278830	COL1A2;GNG11	-0.36779	-2.38654	0.018101	0.884826
cg10710439	chr19	38183976		0.279184	2.389097	0.01798	0.884826

cg23105827	chr1	16539119		-0.25826	-2.38285	0.018278	0.885308
cg27207756	chr4	1607291		-0.3354	-2.38195	0.018321	0.88626
cg04425458	chr8	1.33E+08		-0.16487	-2.38589	0.018132	0.884826
cg22259630	chr19	18315027		-0.17927	-2.37916	0.018456	0.886429
cg04680833	chr16	1832754		-0.19295	-2.37725	0.018548	0.886429
cg22910295	chr19	10403862	ICAM1;AP1M2;PDE4A;COL5A3;KANK2	0.269779	2.387621	0.01805	0.884826
cg15443822	chr17	3867014		0.296678	2.383385	0.018252	0.884908
cg12832145	chr2	99442537		0.256939	2.3801	0.01841	0.886429
cg09804833	chr16	21964504		-0.17355	-2.37959	0.018435	0.886429
cg08492912	chr16	764759		-0.3403	-2.384	0.018223	0.884826
cg25114142	chr2	46896868		-0.28216	-2.38492	0.018179	0.884826
cg13403462	chr20	32256071		0.759513	2.376227	0.018598	0.886429
cg03987890	chr16	69420050		-0.32368	-2.3848	0.018184	0.884826
cg07187521	chr16	25422897		-0.36668	-2.38971	0.017951	0.884826
cg08897392	chr5	1.26E+08		-0.28945	-2.38434	0.018206	0.884826
cg15909049	chr12	94484482		-0.30324	-2.38528	0.018161	0.884826
cg14780004	chr12	1.17E+08		-0.24647	-2.38453	0.018197	0.884826
cg23811061	chr2	86423046	CAPG	0.237215	2.384824	0.018183	0.884826
cg17420360	chr12	49740840	ENSG00000269282;COX14	-0.19998	-2.40434	0.017271	0.880549
cg22782986	chr11	79152821	NARS2	0.489246	2.38735	0.018063	0.884826
cg17041185	chr1	59240214		0.276644	2.387331	0.018064	0.884826
cg12039664	chr20	61148894		0.312487	2.380304	0.0184	0.886385
cg25993851	chr11	46722334		-0.21456	-2.38596	0.018129	0.884826

cg10477316	chr2	2.42E+08		0.276857	2.382039	0.018316	0.88623
cg16283077	chr11	1.29E+08	FLI1	-0.55937	-2.38015	0.018407	0.886429
cg21172322	chr12	25055108		0.354958	2.384675	0.01819	0.884826
cg27177554	chr10	16562102		0.318463	2.38455	0.018196	0.884826
cg13637886	chr10	69570297		-0.31224	-2.38794	0.018035	0.884826
cg11527153	chr1	837536		-0.25233	-2.38081	0.018376	0.886322
cg10848252	chr5	1.6E+08		0.298321	2.382805	0.01828	0.885308
cg17535647	chr12	20521463		0.256795	2.376427	0.018588	0.886429
cg08060902	chr19	12595941		-0.2114	-2.37974	0.018428	0.886429
cg19285552	chr11	72525216	RELT	-0.22317	-2.38703	0.018078	0.884826
cg06808227	chr14	1.06E+08		-0.3235	-2.38552	0.01815	0.884826
cg03621504	chr12	1.17E+08	RNFT2;MED13L;HRK	0.429398	2.392078	0.017839	0.884826
cg05512420	chr19	13206644		0.367943	2.379691	0.01843	0.886429
cg02248320	chr14	1.04E+08		-0.17317	-2.3858	0.018137	0.884826
cg18050715	chr13	97996992		0.365139	2.382374	0.0183	0.885753
cg20057475	chr4	1208699	FGFRL1	-0.40386	-2.37931	0.018448	0.886429
cg24237742	chr6	30525447		0.256896	2.384672	0.01819	0.884826
cg25904183	chr4	1.66E+08		0.5553	2.382862	0.018277	0.885308
cg23714707	chr17	17418691		-0.21808	-2.38606	0.018124	0.884826
cg27003520	chr1	1.65E+08		0.303141	2.387182	0.018071	0.884826
cg04940089	chr13	1.14E+08		0.249957	2.378161	0.018504	0.886429
cg13640518	chr2	27886333		-0.21866	-2.3855	0.01815	0.884826
cg12026394	chr9	1.01E+08		-0.26367	-2.38418	0.018214	0.884826
cg24113782	chr10	79398055		0.182915	2.38292	0.018274	0.885308

cg26338473	chr11	17599798		-0.23677	-2.39537	0.017685	0.884104
cg01179052	chr16	86554295		-0.29281	-2.38367	0.018238	0.884826
cg03613077	chr1	2.42E+08		0.285788	2.378473	0.018489	0.886429
cg21578921	chr4	4393416		-0.27138	-2.3823	0.018304	0.885828
cg17928224	chr7	1.35E+08		0.171598	2.37744	0.018539	0.886429
cg01733271	chr16	58521840		-0.26477	-2.38133	0.018351	0.886322
cg24412714	chr11	4666412		-0.29294	-2.38028	0.018401	0.886385
cg13376046	chr12	13197196		0.220863	2.381037	0.018365	0.886322
cg08971769	chr10	75258327		-0.27786	-2.38833	0.018016	0.884826
cg09246897	chr3	34078486		-0.34991	-2.38368	0.018238	0.884826
cg13619177	chr17	14106800		0.262442	2.386941	0.018082	0.884826
cg02201071	chr19	18900568		-0.34299	-2.379	0.018463	0.886429
cg16061928	chr6	1.11E+08		0.253077	2.37764	0.018529	0.886429
cg04391540	chr19	48048129		0.329202	2.379489	0.01844	0.886429
cg19402483	chr22	36806001		-0.38548	-2.38701	0.018079	0.884826
cg01775379	chr2	1.59E+08	CYTIP;UPP2	0.439474	2.378176	0.018503	0.886429
cg18357098	chr3	14693200		-0.19038	-2.381	0.018367	0.886322
cg20445402	chr13	1.1E+08		0.369668	2.380533	0.018389	0.886385
cg08134417	chr11	33890660		0.247337	2.380858	0.018373	0.886322
cg24000437	chr1	1.53E+08		-0.32563	-2.38148	0.018343	0.886322
cg06565604	chr17	78964771		0.186435	2.377224	0.018549	0.886429
cg19940537	chr10	60272938		0.355328	2.383776	0.018233	0.884826
cg18035534	chr21	46958921	ADARB1	-0.33342	-2.38403	0.018221	0.884826
cg27241845	chr2	2.33E+08		0.310119	2.37727	0.018547	0.886429
cg12502460	chr4	1.84E+08		0.225363	2.390883	0.017895	0.884826

cg09365533	chr19	2429209	S1PR4	0.300755	2.383211	0.01826	0.885211
cg18409985	chr13	1.14E+08		-0.33274	-2.3848	0.018184	0.884826
cg09047034	chr2	38762714		-0.28596	-2.38761	0.01805	0.884826
cg15892521	chr6	1.45E+08		0.442195	2.384016	0.018222	0.884826
cg04194457	chr20	52493238		-0.27778	-2.37574	0.018622	0.886429
cg22331138	chr7	94286131		0.288312	2.387429	0.018059	0.884826
cg04723436	chr10	7985110		0.401828	2.381167	0.018358	0.886322
cg14218269	chr19	17628153		0.248528	2.383767	0.018234	0.884826
cg04717447	chr13	1.03E+08		0.156458	2.380994	0.018367	0.886322
cg04091926	chr17	41953620		-0.20042	-2.37643	0.018588	0.886429
cg26598603	chr17	55727876		-0.27987	-2.38107	0.018363	0.886322
cg19485103	chr6	475074		0.590507	2.378102	0.018507	0.886429
cg09057517	chr6	27570490		0.500559	2.37948	0.01844	0.886429
cg03990811	chr6	31371318	VWA7;TNXB;PPP1R18;LY6G5C	-0.18875	-2.37825	0.018499	0.886429
cg16034521	chr1	939448		-0.26491	-2.37887	0.018469	0.886429
cg12069475	chr12	1.31E+08		-0.43868	-2.37527	0.018645	0.886429
cg26703956	chr19	39260304	LGALS7B;SPINT2;PLEKHG2;PPP1R14A	-0.41533	-2.38083	0.018375	0.886322
cg05274674	chr20	23619525		-0.16617	-2.38412	0.018217	0.884826
cg06760710	chr17	46692008	SKAP1	0.345543	2.375865	0.018616	0.886429
cg23441441	chr12	81331486		0.396138	2.378313	0.018496	0.886429
cg03402351	chr16	11759492		-0.47586	-2.37385	0.018714	0.886429
cg04424721	chr11	46342365		-0.25037	-2.37682	0.018569	0.886429

cg26076428	chr3	1.27E+08		-0.23024	-2.38092	0.01837	0.886322
cg16136678	chr1	8021749		0.19071	2.376649	0.018577	0.886429
cg09493150	chr5	1.72E+08	ATP6V0E1;KLF3P1	0.29982	2.384276	0.018209	0.884826
cg07714534	chr11	82612592		-0.23238	-2.37701	0.01856	0.886429
cg07318284	chr4	1.54E+08		-0.33268	-2.37912	0.018457	0.886429
cg17317180	chr11	17298048		0.174217	2.376923	0.018564	0.886429
cg10769343	chr14	24617188		-0.17957	-2.38204	0.018316	0.88623
cg24420041	chr11	20620002		-0.2399	-2.3811	0.018362	0.886322
cg09630437	chr19	2740301	SCAMP4	0.300158	2.376099	0.018604	0.886429
cg09630479	chr7	1105484		0.252333	2.376807	0.01857	0.886429
cg24413662	chr11	1.22E+08		0.347531	2.380096	0.01841	0.886429
cg20386875	chr1	2.29E+08		-0.19011	-2.37716	0.018553	0.886429
cg08634357	chr16	66956242		0.362811	2.379386	0.018445	0.886429
cg09169516	chr1	2.07E+08	DYRK3;PFKFB2;CR1L;PIGR	0.373468	2.387299	0.018065	0.884826
cg02915939	chr6	30711022	ZNRD1-AS1	-0.22531	-2.37857	0.018484	0.886429
cg15194943	chr18	905127		0.397054	2.375215	0.018647	0.886429
cg25597843	chr8	43124515		-0.28823	-2.37664	0.018578	0.886429
ch.6.90007516R	chr6	89950797		0.324339	2.383083	0.018266	0.885308
cg09463882	chr5	1.15E+08		0.224399	2.379883	0.01842	0.886429
cg08984500	chr16	89692422		0.276512	2.378575	0.018484	0.886429
cg01197763	chr1	858362	VWA1;MXRA8	-0.22255	-2.38515	0.018168	0.884826
cg11353035	chr17	6926414		0.192719	2.384274	0.018209	0.884826
cg21413947	chr1	1.65E+08		-0.24234	-2.37859	0.018483	0.886429
cg04744385	chr2	1.75E+08		-0.21886	-2.37722	0.018549	0.886429

cg06291107	chr20	36157675		-0.20967	-2.3824	0.018299	0.885753
cg23341163	chr5	1.34E+08		-0.15279	-2.38099	0.018367	0.886322
cg22259797	chr11	1.19E+08	AMICA1;CBL;ENSG00000254561	-0.44428	-2.38162	0.018337	0.886322
cg04994405	chr1	65731836		0.275469	2.376912	0.018565	0.886429
cg02139088	chr3	1.97E+08		0.154905	2.382975	0.018272	0.885308
cg12075949	chr7	50749076		0.219363	2.379317	0.018448	0.886429
cg09890687	chr1	36641984	COL8A2;AGO3	0.92595	2.371421	0.018834	0.886429
cg22735324	chr8	48691148		-0.31807	-2.37762	0.01853	0.886429
cg18841159	chr6	70992041	FAM135A	0.307902	2.375705	0.018623	0.886429
cg06666727	chr8	1.46E+08	FAM83H-AS1;FAM83H;ZNF250;ENSG00000254973	-0.33006	-2.37485	0.018665	0.886429
cg24297509	chr10	44339107	ZNF487	-0.39486	-2.38729	0.018065	0.884826
cg17806798	chr1	46807113		0.466665	2.380253	0.018403	0.886385
cg22587509	chr13	50356916		-0.30828	-2.37426	0.018694	0.886429
cg25496181	chr12	1.18E+08		-0.18525	-2.38344	0.018249	0.884877
cg04287684	chr6	1.67E+08		-0.24302	-2.37919	0.018454	0.886429
ch.7.53629068R	chr7	53661574		0.26036	2.373666	0.018723	0.886429
cg23318804	chr15	75494410		-0.1536	-2.38138	0.018348	0.886322
cg15761405	chr1	1.58E+08		-0.40345	-2.38079	0.018376	0.886322
cg08194313	chr10	1.18E+08		0.251028	2.377058	0.018557	0.886429
cg24796852	chr19	39827269		-0.2748	-2.38146	0.018344	0.886322
cg22162681	chr17	79887775		-0.21324	-2.37937	0.018445	0.886429
cg00713066	chr8	41510199		-0.23349	-2.37597	0.01861	0.886429

cg19667813	chr4	3795405		-0.26309	-2.39036	0.01792	0.884826
cg03024503	chr3	1.82E+08		-0.23587	-2.38447	0.0182	0.884826
cg26366459	chr1	46049026		0.26343	2.38789	0.018037	0.884826
cg05576648	chr4	1.41E+08		0.314481	2.374916	0.018662	0.886429
cg01788113	chr3	46759472		0.648213	2.383555	0.018244	0.884826
cg14848859	chr17	16255739		0.209707	2.373826	0.018715	0.886429
cg06802841	chr1	1.45E+08		-0.15943	-2.38817	0.018024	0.884826
cg04730456	chr3	1.23E+08		0.27928	2.387114	0.018074	0.884826
cg16713357	chr11	2693141		-0.22109	-2.37505	0.018656	0.886429
cg03941745	chr16	30442009	SEZ6L2	-0.34193	-2.37686	0.018567	0.886429
cg12002119	chr2	1.01E+08		-0.39439	-2.37325	0.018743	0.886429
cg20560185	chr2	48040004		0.342605	2.376673	0.018576	0.886429
cg11040439	chr17	79980929		0.190017	2.380532	0.018389	0.886385
cg07092097	chr10	88720025		-0.2326	-2.37834	0.018495	0.886429
cg22051925	chr13	1.11E+08		-0.20208	-2.37485	0.018665	0.886429
cg02356566	chr10	2453060		-0.51621	-2.3811	0.018362	0.886322
cg21871205	chr12	96932931		-0.26478	-2.37963	0.018433	0.886429
cg26178732	chr5	1.54E+08		0.230775	2.374652	0.018675	0.886429
cg16250177	chr7	1.3E+08		0.267777	2.375419	0.018637	0.886429
cg13340245	chr2	2.39E+08		0.17452	2.386241	0.018115	0.884826
cg08301211	chr6	14195031		0.342506	2.372511	0.01878	0.886429
cg08839020	chr6	38679582		0.29549	2.375233	0.018646	0.886429
cg18149561	chr19	13905866		-0.19063	-2.37375	0.018719	0.886429
cg13957928	chr10	1.31E+08		-0.33836	-2.37627	0.018596	0.886429
cg10721450	chr10	1.13E+08		0.250345	2.381594	0.018338	0.886322

cg14914246	chr11	45717570		0.266598	2.37429	0.018693	0.886429
cg18289682	chr6	33264318	RPL32P1;RGL2;RPS18	0.278639	2.374517	0.018681	0.886429
cg07021275	chr8	1325845		-0.2833	-2.37558	0.018629	0.886429
cg19851909	chr11	94134827	KIAA1731	0.353254	2.371764	0.018817	0.886429
cg11577662	chr5	1.78E+08		0.328766	2.377091	0.018556	0.886429
cg07201835	chr12	32831369		-0.31487	-2.37359	0.018727	0.886429
cg00900977	chr20	19189797		-0.29582	-2.37594	0.018612	0.886429
cg25752163	chr12	1.11E+08		0.354574	2.377341	0.018544	0.886429
cg17267493	chr17	7460485	CYB5D1;DNAH2;WRAP53;EFNB3;TMEM107;SLC2A4;KIAA0753;TEKT1	-0.43518	-2.37686	0.018567	0.886429
cg20095036	chr4	1.53E+08		-0.26886	-2.37304	0.018754	0.886429
cg22995724	chr8	1.45E+08		0.399109	2.383654	0.018239	0.884826
cg25401210	chr7	944776		-0.57624	-2.3807	0.018381	0.886385
cg22082745	chr15	1.01E+08		0.311352	2.372105	0.0188	0.886429
cg05441941	chr16	873598	TMEM204;SOX8	-0.26906	-2.37409	0.018702	0.886429
cg04047221	chr13	1.13E+08		0.381462	2.374941	0.018661	0.886429
cg15258649	chr18	13262344		0.438512	2.375371	0.01864	0.886429
cg26815147	chr15	45879302		0.207144	2.379958	0.018417	0.886429
cg14222033	chr19	58075118	ZNF135;ZNF418;ZSCAN1;ZIK1;ZSCAN18;ENSG00000176593;PEG3;ZNF606	-0.36492	-2.37056	0.018876	0.886429

cg10899681	chr5	1.59E+08	EBF1	0.308368	2.380679	0.018382	0.886385
cg17141969	chr7	1.35E+08		-0.25439	-2.3819	0.018323	0.88626
cg01808130	chr6	8435206		0.351306	2.372534	0.018779	0.886429
cg06313880	chr1	1.15E+08		-0.25152	-2.37744	0.018539	0.886429
cg06568454	chr16	89940886		0.337232	2.37208	0.018801	0.886429
cg00736640	chr18	45273219		-0.26353	-2.37412	0.018701	0.886429
cg00514241	chr22	28193910		0.338626	2.376085	0.018605	0.886429
cg07631533	chr16	13135565		-0.36175	-2.369	0.018953	0.886429
cg11489918	chr11	62312720		-0.19625	-2.3761	0.018604	0.886429
cg00709728	chr3	1.25E+08	KALRN;FAM86JP;ROPN1B	0.366637	2.376952	0.018563	0.886429
cg27309677	chr11	28129805		-0.22629	-2.37851	0.018487	0.886429
cg03566513	chr12	81332744		-0.37641	-2.37744	0.018539	0.886429
cg08241307	chr11	2212225	MUC5AC;CARS	-0.36937	-2.37298	0.018757	0.886429
cg23255964	chr5	1.39E+08		-0.32616	-2.37259	0.018776	0.886429
cg25079568	chr18	52989604		0.336686	2.379641	0.018432	0.886429
cg15051226	chr6	28555118	ZKSCAN4	0.207094	2.374681	0.018673	0.886429
cg11694987	chr7	1443857		0.353235	2.370551	0.018876	0.886429
cg22367144	chr15	48010299		-0.21171	-2.37259	0.018776	0.886429
cg25914829	chr2	71021475		0.202291	2.377812	0.018521	0.886429
cg11939631	chr5	1.79E+08		-0.43278	-2.37298	0.018757	0.886429
cg18880646	chr6	97375699		-0.36419	-2.37143	0.018833	0.886429
cg16421619	chr2	2.4E+08		-0.33283	-2.37354	0.018729	0.886429
ch.14.1499103R	chr14	93412334		-0.29686	-2.37902	0.018462	0.886429
cg16355785	chr5	1.61E+08		0.489124	2.370836	0.018862	0.886429

cg07696099	chr8	1.34E+08		-0.36551	-2.37012	0.018898	0.886429
cg27095527	chr3	12329080		-0.25864	-2.37204	0.018803	0.886429
cg00555933	chr6	1.07E+08		0.345327	2.379993	0.018415	0.886429
cg25948690	chr12	4554596		-0.41074	-2.37675	0.018572	0.886429
cg17017814	chr11	48509488		-0.48749	-2.36972	0.018917	0.886429
cg04138155	chr1	2.43E+08	FCF1P7	0.211915	2.371646	0.018822	0.886429
cg01555036	chr1	2.33E+08		0.162692	2.370859	0.018861	0.886429
cg06774974	chr14	1.06E+08	KIAA0125	0.218247	2.375078	0.018654	0.886429
cg09607712	chr3	64328459		-0.29387	-2.37811	0.018506	0.886429
cg06672652	chr1	2.04E+08	ADORA1	0.243291	2.370329	0.018887	0.886429
cg20592124	chr2	65290738		0.340158	2.371335	0.018838	0.886429
cg21197361	chr17	30454658		-0.21549	-2.37643	0.018588	0.886429
cg14025606	chr1	1.5E+08	GABPB2;RPRD2;ENSG00000261716;C1orf56;HIST2H3D;CGN;ECM1	-0.1673	-2.37473	0.018671	0.886429
cg06360427	chr18	74962672		0.543999	2.37012	0.018898	0.886429
cg09378105	chr7	1.01E+08		-0.16892	-2.37293	0.018759	0.886429
cg09146428	chr10	1.35E+08		0.287955	2.370577	0.018875	0.886429
cg06547386	chr11	30607527		0.218813	2.378965	0.018465	0.886429
cg22380353	chr13	42537904		-0.30658	-2.36975	0.018916	0.886429
cg17805210	chr3	71216678		-0.36429	-2.37001	0.018903	0.886429
cg27076144	chr19	53636347	ZNF415	0.353678	2.372307	0.01879	0.886429
cg11601252	chr15	68122139		0.367231	2.371643	0.018823	0.886429
cg16786756	chr4	1.87E+08		0.897895	2.377232	0.018549	0.886429

cg05487207	chr8	22224126		0.294411	2.37999	0.018415	0.886429
cg17049889	chr13	20735370		-0.22324	-2.37164	0.018823	0.886429
cg15937832	chr8	26368795		-0.28315	-2.3721	0.0188	0.886429
cg11751688	chr1	2.47E+08	ENSG00000260855	0.293886	2.367448	0.01903	0.886429
cg01684629	chr4	1.22E+08		0.387734	2.377917	0.018516	0.886429
cg11780768	chr5	97655532		-0.39597	-2.37385	0.018714	0.886429
cg12716639	chr11	1.19E+08		-0.46531	-2.37115	0.018847	0.886429
cg04506928	chr13	31647876		-0.28688	-2.37346	0.018733	0.886429
cg15371526	chr22	25200857		-0.19764	-2.37104	0.018852	0.886429
cg10949706	chr5	87984861		0.290886	2.369138	0.018946	0.886429
cg15506591	chr3	27772058		0.23879	2.374969	0.018659	0.886429
cg11861055	chr10	1453917		-0.35134	-2.37963	0.018433	0.886429
cg03631065	chr13	96672440	ABCC4;MTCYBP3	-0.38061	-2.37045	0.018882	0.886429
cg11972953	chr2	30370168		0.142932	2.378839	0.018471	0.886429
cg16658848	chr2	3622727		-0.20213	-2.37183	0.018813	0.886429
cg21281007	chr12	5939611	TAPBPL;ZNF384	0.272976	2.374605	0.018677	0.886429
cg07583394	chr17	36003427		0.249005	2.377516	0.018535	0.886429
cg18381395	chr1	2.37E+08		-0.31177	-2.38025	0.018403	0.886385
cg23120805	chr2	43453872		0.142245	2.370662	0.018871	0.886429
cg01065278	chr1	9491741	CTNNBIP1	0.198372	2.37014	0.018897	0.886429
cg13919908	chr11	33394273		-0.27165	-2.37598	0.01861	0.886429
cg08392746	chr7	1.05E+08	CDHR3;EFCAB10;ENSG00000272604;RINT1	0.4976	2.373657	0.018724	0.886429
cg23256802	chr5	1.33E+08		-0.49349	-2.37113	0.018848	0.886429

cg27611827	chr17	41392569		0.182672	2.374845	0.018665	0.886429
cg04230579	chr11	97837652		-0.41443	-2.37344	0.018734	0.886429
cg10297617	chr14	91610405		0.385401	2.371253	0.018842	0.886429
cg01394385	chr3	39307922		-0.19408	-2.37425	0.018695	0.886429
cg01777861	chr4	56023843		0.677186	2.374204	0.018697	0.886429
cg02400458	chr15	80624605		0.42313	2.37279	0.018766	0.886429
cg04948286	chr19	3595832		0.473329	2.368948	0.018956	0.886429
cg26178446	chr2	1.93E+08		0.206844	2.372464	0.018782	0.886429
cg11519760	chr6	1.71E+08		-0.61026	-2.3714	0.018835	0.886429
cg13313508	chr10	64219918		-0.29307	-2.36639	0.019083	0.886429
cg26740942	chr17	37123711		0.402024	2.378844	0.018471	0.886429
cg13562266	chr8	1340351	TDRP	-0.31734	-2.37736	0.018543	0.886429
cg22846582	chr12	52848214	KRT80	-0.36205	-2.37532	0.018642	0.886429
cg04770364	chr12	1.2E+08		-0.17526	-2.37483	0.018666	0.886429
cg05062511	chr6	30028447		-0.24666	-2.37557	0.01863	0.886429
cg04825076	chr7	1.57E+08		0.285969	2.377858	0.018519	0.886429
cg13759172	chr7	1.01E+08		0.215817	2.373131	0.018749	0.886429
cg01958550	chr1	2.17E+08		0.265473	2.3729	0.018761	0.886429
cg02964602	chr2	2.03E+08		-0.2649	-2.36908	0.018949	0.886429
cg09676622	chr12	1.25E+08		0.316826	2.371747	0.018817	0.886429
cg26358350	chr3	1.14E+08		-0.29706	-2.36839	0.018984	0.886429
cg22610533	chr12	64238379		-0.2078	-2.37305	0.018753	0.886429
cg07937453	chr6	89296807		0.315689	2.380475	0.018392	0.886385
cg01043616	chr12	50475035		0.275495	2.377891	0.018517	0.886429
cg08963669	chr12	66563719	LLPH	0.187696	2.375339	0.018641	0.886429

cg08423562	chr1	38466544	FHL3	-0.26361	-2.36751	0.019027	0.886429
cg10328462	chr5	1.49E+08		-0.24835	-2.37021	0.018894	0.886429
cg14020326	chr14	1.06E+08		-0.37742	-2.37363	0.018725	0.886429
cg16264526	chr4	1.48E+08		-0.39367	-2.37879	0.018473	0.886429
cg04203077	chr1	40943161		-0.21685	-2.37296	0.018758	0.886429
cg27507284	chr2	1.78E+08		-0.31529	-2.37063	0.018873	0.886429
cg24009439	chr19	42729731	CEACAM3	-0.25843	-2.37203	0.018803	0.886429
cg20403938	chr12	54377457	ESPL1;ITGA5	0.314328	2.369885	0.018909	0.886429
cg14451728	chr4	57092248		-0.31767	-2.37407	0.018703	0.886429
cg16454105	chr11	79255487		-0.31568	-2.37557	0.01863	0.886429
cg21537798	chr6	1.29E+08		0.391636	2.370086	0.018899	0.886429
cg24371152	chr4	1.6E+08		-0.22373	-2.38028	0.018401	0.886385
cg01057248	chr19	2887520		0.339238	2.367435	0.019031	0.886429
cg10979994	chr5	1217281		-0.30555	-2.37059	0.018875	0.886429
cg15125012	chr1	19730056		0.2593	2.372484	0.018781	0.886429
cg17360832	chr7	1.58E+08		-0.30443	-2.37009	0.018899	0.886429
cg20624429	chr11	1.22E+08		0.24909	2.370907	0.018859	0.886429
cg21159993	chr5	1.4E+08		0.314291	2.375723	0.018623	0.886429
cg12329404	chr21	47545624		0.266916	2.370035	0.018902	0.886429
cg01048751	chr1	27718495		0.171553	2.367638	0.019021	0.886429
cg14458328	chr5	41925210		-0.19925	-2.36695	0.019055	0.886429
cg02429656	chr12	26275311		0.141614	2.377582	0.018532	0.886429
cg12973294	chr4	1.2E+08		0.30753	2.372439	0.018783	0.886429
cg13622821	chr6	31702915		-0.25896	-2.3691	0.018948	0.886429
cg21793016	chr6	30028586		-0.3176	-2.36932	0.018937	0.886429

cg13165472	chr2	69240195	PNO1	0.2683	2.370061	0.018901	0.886429
cg11726631	chr1	955757		0.154397	2.367819	0.019012	0.886429
cg23072161	chr1	16489115	TMEM51;FBLIM1;HSPB7	-0.44625	-2.36644	0.019081	0.886429
cg18886245	chr6	50792868		0.428152	2.371162	0.018846	0.886429
cg07990022	chr10	16570110	PTER	0.26963	2.368944	0.018956	0.886429
cg03433394	chr3	42623829		-0.20026	-2.36683	0.019061	0.886429
cg26142972	chr2	2.2E+08		-0.29446	-2.37152	0.018829	0.886429
cg08262876	chr10	1.03E+08		-0.26283	-2.36748	0.019029	0.886429
cg07920525	chr2	27988858		0.48427	2.367484	0.019028	0.886429
cg23178550	chr7	27127576		0.370776	2.375968	0.018611	0.886429
cg02074558	chr5	1.8E+08		0.305932	2.368227	0.018992	0.886429
cg27156041	chr7	98199360		-0.37999	-2.36738	0.019034	0.886429
cg19355325	chr20	55839524		-0.20124	-2.3676	0.019023	0.886429
cg02872491	chr7	31374862		-0.36633	-2.36516	0.019144	0.886722
cg00307383	chr1	1.58E+08		-0.25361	-2.36443	0.019181	0.886722
cg21910390	chr4	52718946		0.360736	2.369603	0.018923	0.886429
cg26112843	chr1	2E+08		-0.2624	-2.36896	0.018955	0.886429
cg17025683	chr1	1.74E+08	ENSG00000231615	-0.30939	-2.37399	0.018707	0.886429
cg21395077	chr9	1.19E+08		-0.28366	-2.37336	0.018738	0.886429
cg22654504	chr4	1.84E+08		0.281446	2.379112	0.018458	0.886429
cg11829371	chr17	981724		0.253649	2.36953	0.018927	0.886429
cg20502376	chr7	4153707		0.261419	2.374642	0.018675	0.886429
cg26142965	chr6	29521803	GABBR1	0.27647	2.369633	0.018922	0.886429
cg21150108	chr13	34750105	NBEA	-0.34127	-2.37054	0.018877	0.886429

cg13001868	chr17	43339223	KIF18B	0.437123	2.365561	0.019124	0.886722
cg07551054	chr8	1.41E+08		-0.25614	-2.37377	0.018718	0.886429
cg23208152	chr3	50383134		0.263921	2.372831	0.018764	0.886429
cg26396707	chr1	1.61E+08		-0.14343	-2.36408	0.019199	0.886722
cg03966010	chr7	1.57E+08		-0.25388	-2.37301	0.018755	0.886429
cg22580905	chr12	56843287		-0.23364	-2.36769	0.019018	0.886429
cg01272707	chr6	26172185		-0.2476	-2.3737	0.018722	0.886429
cg05092583	chr3	1.4E+08		-0.33566	-2.3696	0.018923	0.886429
cg04436772	chr2	25468781		-0.26956	-2.36643	0.019081	0.886429
cg05325785	chr14	1.04E+08		-0.2612	-2.37384	0.018715	0.886429
cg10797129	chr11	1.01E+08		0.263631	2.370187	0.018894	0.886429
cg01690723	chr20	25225861		0.256053	2.374365	0.018689	0.886429
cg04928513	chr20	60717545		-0.33811	-2.3705	0.018879	0.886429
cg08966413	chr16	23154937		-0.24686	-2.36688	0.019059	0.886429
cg22687380	chr22	33196627		-0.28526	-2.37128	0.01884	0.886429
cg24628744	chr5	1.35E+08		0.377853	2.3677	0.019018	0.886429
cg13673960	chr4	1742301		-0.25248	-2.37099	0.018855	0.886429
cg25126021	chr6	1.39E+08		0.441567	2.368074	0.018999	0.886429
cg13017345	chr10	1.12E+08		0.247555	2.371954	0.018807	0.886429
cg10584914	chr13	1.14E+08		-0.22564	-2.36643	0.019081	0.886429
cg03005851	chr1	11113287		0.25555	2.370848	0.018862	0.886429
cg17588293	chr1	1.55E+08		-0.2384	-2.36457	0.019174	0.886722
cg13391810	chr17	78451573		0.215499	2.371401	0.018835	0.886429
cg05775492	chr16	86258717		-0.34624	-2.3652	0.019142	0.886722

cg19051045	chr10	10933670	LINC00710;ENSG00000229206	0.373503	2.370578	0.018875	0.886429
cg08354165	chr2	2940403		0.190727	2.374012	0.018706	0.886429
cg20608192	chr2	1.13E+08		-0.30467	-2.36396	0.019205	0.886722
cg26570776	chr15	1.02E+08		-0.30919	-2.36915	0.018946	0.886429
cg08697180	chr16	30409538	KIF22	-0.29367	-2.37094	0.018857	0.886429
cg13936847	chr9	1.4E+08		-0.30331	-2.37713	0.018554	0.886429
cg15052518	chr7	69283201		0.311748	2.363392	0.019233	0.886902
cg05347567	chr12	56512408	RPL41	0.270662	2.371054	0.018852	0.886429
cg17309530	chr6	31696102		0.341322	2.366957	0.019055	0.886429
cg16314733	chr10	98909007		0.273937	2.36886	0.01896	0.886429
cg01493150	chr4	1.29E+08		-0.26693	-2.36906	0.01895	0.886429
cg09623279	chr10	45395734		-0.33097	-2.36813	0.018996	0.886429
cg24241057	chr20	4982241		-0.22993	-2.36863	0.018972	0.886429
cg14793844	chr2	1.01E+08	CHST10;LONRF2	-0.3633	-2.3713	0.01884	0.886429
cg22506413	chr7	54902079		-0.38798	-2.36855	0.018975	0.886429
cg22850587	chr4	4867638		0.316462	2.364991	0.019153	0.886722
cg05520141	chr18	43845381		0.349211	2.365777	0.019114	0.886722
cg04028570	chr1	2.48E+08		1.039403	2.361778	0.019314	0.887439
cg26935219	chr7	1.49E+08		-0.2251	-2.36852	0.018977	0.886429
cg01192748	chr3	1.83E+08		0.248595	2.363511	0.019227	0.886722
cg05152764	chr22	50883366	ODF3B;RABL2B;DENND6B	0.679874	2.366812	0.019062	0.886429
cg06673553	chr5	1.34E+08		-0.33331	-2.36722	0.019041	0.886429
cg14641018	chr21	42676114		0.429461	2.367036	0.019051	0.886429

cg25857018	chr15	91260385		0.220657	2.369037	0.018951	0.886429
cg14213160	chr19	18496259		-0.24365	-2.36873	0.018966	0.886429
cg03281981	chr12	1.15E+08		0.339825	2.374482	0.018683	0.886429
cg26444995	chr2	1.99E+08		-0.18562	-2.37057	0.018875	0.886429
cg22848896	chr4	1.86E+08		0.28483	2.365616	0.019122	0.886722
cg15538753	chr10	70317995		-0.25188	-2.36829	0.018989	0.886429
cg02285812	chr2	1.51E+08		-0.37087	-2.36613	0.019096	0.886533
cg03330490	chr10	94452236		0.368073	2.366796	0.019063	0.886429
cg15108590	chr21	44494906		0.333928	2.366025	0.019101	0.88666
cg01910494	chr16	89139320		-0.32297	-2.36632	0.019086	0.886439
cg02479904	chr11	47429944		0.170318	2.36239	0.019283	0.887439
cg02741521	chr3	9745610		0.440611	2.364053	0.0192	0.886722
cg06254253	chr7	64450722		-0.29944	-2.36643	0.019081	0.886429
cg12355108	chr15	72110339		0.281177	2.369803	0.018913	0.886429
cg21782813	chr7	2030301	PSMG3;GNA12	-0.28675	-2.36795	0.019005	0.886429
cg02833438	chr16	1997284		-0.37151	-2.36795	0.019005	0.886429
cg01769392	chr6	1.69E+08		-0.31856	-2.3712	0.018845	0.886429
cg25601547	chr2	64855072	WDPCP	-0.255	-2.36471	0.019167	0.886722
cg02766207	chr3	1.39E+08		-0.26439	-2.36483	0.019161	0.886722
cg25494151	chr2	7006339		-0.44903	-2.37164	0.018823	0.886429
cg09229918	chr16	2041916	ZG16B	0.357213	2.370408	0.018884	0.886429
cg12444861	chr6	1.44E+08		0.242281	2.369164	0.018945	0.886429
cg11657122	chr5	1.5E+08		0.275635	2.363642	0.01922	0.886722
cg23503075	chr10	3564803		-0.27714	-2.36436	0.019185	0.886722
cg18963239	chr17	3861144		0.249232	2.372012	0.018804	0.886429

cg22832254	chr2	1.22E+08		0.285433	2.366286	0.019088	0.886439
cg07685765	chr19	48964041		0.263222	2.368047	0.019	0.886429
cg27051937	chr6	33419580		-0.25915	-2.36277	0.019264	0.887271
cg24531267	chr20	34043122		-0.17223	-2.36802	0.019002	0.886429
cg12803091	chr20	32403388		0.224131	2.366992	0.019053	0.886429
cg07376535	chr18	905450		0.339916	2.362647	0.01927	0.887385
cg11023901	chr7	1.41E+08		0.342618	2.364894	0.019158	0.886722
cg24725576	chr14	29234671		0.334269	2.372678	0.018772	0.886429
cg19110758	chr6	34524597	BAK1	-0.21839	-2.36512	0.019146	0.886722
cg00021256	chr2	2.2E+08		0.370895	2.364868	0.019159	0.886722
cg24338752	chr11	2182672		0.255919	2.366176	0.019094	0.886533
cg13948652	chr13	1.1E+08		0.216982	2.369445	0.018931	0.886429
cg23434126	chr17	79013711	BAIAP2;SIRT7	-0.35211	-2.37247	0.018782	0.886429
cg12226717	chr11	94135006		0.331853	2.362053	0.0193	0.887439
cg15427906	chr7	20825216	DNAH11	0.426386	2.371629	0.018823	0.886429
cg12655375	chr6	35286360	DEF6	0.380738	2.365154	0.019145	0.886722
cg07989437	chr6	30612130		0.219514	2.371466	0.018831	0.886429
cg07545278	chr16	67219152		0.447605	2.364689	0.019168	0.886722
cg22031848	chr15	68594526	CALML4;IQCH;ITGA11	0.252345	2.363515	0.019227	0.886722
cg21544975	chr12	1.32E+08		-0.19632	-2.36384	0.019211	0.886722
cg18850127	chr7	39170497		-0.8486	-2.36405	0.0192	0.886722
cg04021706	chr5	389763		-0.31523	-2.36981	0.018913	0.886429
cg04799218	chr12	7125780		-0.10854	-2.37003	0.018902	0.886429
cg22533681	chr15	63897233		-0.22206	-2.36416	0.019195	0.886722

cg03671431	chr18	61604367		0.385798	2.363703	0.019217	0.886722
cg24594383	chr20	62564955		-0.22193	-2.3665	0.019078	0.886429
cg01179631	chr16	620007		0.140178	2.364384	0.019183	0.886722
cg09614814	chr16	311149		0.30616	2.362049	0.019301	0.887439
cg16358920	chr11	65553119		-0.19237	-2.37127	0.018841	0.886429
cg13808574	chr9	1.39E+08		0.252193	2.366576	0.019074	0.886429
cg05828624	chr2	79347699		-0.32307	-2.36094	0.019356	0.887439
cg13306784	chr9	1.39E+08		-0.41878	-2.36976	0.018916	0.886429
cg05927579	chr20	43378669		0.576302	2.363107	0.019247	0.887105
cg07318313	chr9	1.31E+08	CERCAM	0.310216	2.376023	0.018608	0.886429
cg01599041	chr6	1.22E+08		0.203932	2.364113	0.019197	0.886722
cg05590735	chr1	1.02E+08		0.390789	2.371318	0.018839	0.886429
cg14377973	chr7	1150305		-0.28004	-2.36484	0.019161	0.886722
cg19446350	chr13	44004267		-0.29758	-2.36723	0.019041	0.886429
cg20170028	chr11	70917283		0.461434	2.367128	0.019046	0.886429
cg15031826	chr1	2.08E+08		0.134472	2.366931	0.019056	0.886429
cg21116846	chr5	17354504		-0.40195	-2.3665	0.019078	0.886429
cg14565752	chr19	47955003		-0.30247	-2.36984	0.018912	0.886429
cg11694519	chr11	1.12E+08	MIR34C;DLAT;CRYAB;COLCA2;BCO2;PIH1D2	0.384027	2.365563	0.019124	0.886722
cg13603332	chr9	1.08E+08	FSD1L	0.300508	2.36963	0.018922	0.886429
cg09188595	chr1	88439598		-0.34669	-2.37023	0.018892	0.886429
cg24433302	chr6	32142147		-0.25405	-2.36657	0.019074	0.886429
cg21688152	chr17	80926101	SECTM1	0.267457	2.361582	0.019324	0.887439

cg21237586	chr9	88134210		-0.28328	-2.36869	0.018969	0.886429
cg14086045	chr1	1.58E+08		-0.20459	-2.36063	0.019372	0.887439
cg21247722	chr12	1.14E+08		0.629253	2.360657	0.019371	0.887439
cg23921777	chr4	1366597		0.66215	2.361597	0.019323	0.887439
cg06011323	chr6	31645468		-0.24571	-2.36814	0.018996	0.886429
cg01533539	chr16	89767958	TRAPPC2L	-0.20887	-2.36258	0.019274	0.887438
cg05315158	chr19	1376674		0.301523	2.363189	0.019243	0.887105
cg10778556	chr1	24113913		0.300083	2.367988	0.019003	0.886429
cg05494790	chr7	1.21E+08		0.311998	2.362891	0.019258	0.887105
cg15806365	chr10	1386520		-0.24914	-2.36473	0.019166	0.886722
cg04807561	chr7	813957		0.301514	2.361002	0.019353	0.887439
cg23924801	chr1	2.48E+08		-0.34876	-2.36583	0.019111	0.886722
cg16027132	chr7	1.06E+08	PIK3CG	-0.65439	-2.36106	0.019351	0.887439
cg24293948	chr18	61670413		0.31726	2.368057	0.019	0.886429
cg05215925	chr6	1.54E+08		0.36804	2.367207	0.019042	0.886429
cg17614703	chr5	1.79E+08		-0.23102	-2.36528	0.019138	0.886722
cg24187415	chr3	1.42E+08		-0.28476	-2.36382	0.019211	0.886722
cg19651757	chr12	10096118		0.597533	2.368798	0.018963	0.886429
cg04604420	chr7	1E+08		0.280203	2.36376	0.019215	0.886722
cg24086565	chr1	1.56E+08		-0.33	-2.36433	0.019186	0.886722
cg04928049	chr1	19665240	KLHDC7A	0.66443	2.360497	0.019379	0.887439
cg05417099	chr6	1.69E+08		-0.2911	-2.36879	0.018964	0.886429
cg19254514	chr3	1.87E+08	DGKG;LPP;ST6GAL1;ENSG00000213132	-0.36987	-2.3703	0.018889	0.886429

cg03944444	chr1	16785803	RSG1;CROCC;ENSG00000233421;MFAP2	0.294466	2.36816	0.018995	0.886429
cg25782682	chr7	1.57E+08		-0.29743	-2.36231	0.019287	0.887439
cg09217644	chr2	71942013		-0.26596	-2.36148	0.019329	0.887439
cg21757368	chr6	1.22E+08		0.365269	2.364142	0.019195	0.886722
cg27023235	chr10	94429569		-0.21567	-2.36193	0.019307	0.887439
cg11344164	chr10	1.02E+08	SFXN3;ABCC2	-0.30623	-2.35976	0.019416	0.887601
cg06392733	chr16	85215643		-0.23145	-2.3617	0.019318	0.887439

cg13042288	chr15	90349979	WDR93;ENSG00000259561;TICRR;MFGE8;HAPLN3;CIB1;POLG;CRTC3;KIF7	0.281749	2.372733	0.018769	0.886429
cg26768712	chr16	23313559		0.19239	2.367457	0.01903	0.886429
cg03264960	chr2	1.87E+08		-0.19696	-2.36291	0.019257	0.887105
cg18468519	chr6	33944367	RPS18	-0.20407	-2.36149	0.019329	0.887439
cg10064339	chr11	73693792		0.208165	2.366483	0.019078	0.886429
cg23609571	chr14	70655845		-0.18123	-2.36204	0.019301	0.887439
cg01026300	chr16	89020584		-0.31534	-2.35849	0.01948	0.887696
cg07969684	chr2	1.95E+08		-0.42525	-2.36466	0.01917	0.886722
cg08341667	chr10	48354387		-0.33335	-2.36355	0.019225	0.886722
cg13228421	chr11	1074885	MUC2	0.702208	2.364568	0.019174	0.886722
cg02938414	chr4	1.74E+08		0.281118	2.361098	0.019348	0.887439
cg01811315	chr17	4890515		-0.19678	-2.36039	0.019384	0.887439
cg14129775	chr4	1.08E+08		0.366877	2.36595	0.019105	0.886722

cg27514777	chr16	14377664		-0.19416	-2.36214	0.019296	0.887439
cg03859495	chr16	31394096		0.215295	2.373344	0.018739	0.886429
cg09082441	chr12	11805154		0.286822	2.363829	0.019211	0.886722
cg23874775	chr7	1.57E+08		-0.26257	-2.36402	0.019202	0.886722
cg16306444	chr17	80846199	FN3K;TBCD	0.270015	2.375128	0.018652	0.886429
cg17212153	chr5	88432540		-0.4341	-2.36729	0.019038	0.886429
cg06448090	chr8	13424135		0.278849	2.360257	0.019391	0.887439
cg22550075	chr15	59665231	RPS3AP6	-0.20607	-2.36513	0.019146	0.886722
cg22547158	chr12	27399841	PPFIBP1;PTHLH;KLHL42;ENSG00000248100;ENSG00000247934;ITPR2;ENSG00000256056	0.354081	2.373948	0.018709	0.886429
cg07013325	chr17	2310856		-0.32062	-2.3598	0.019414	0.887601
cg12585005	chr6	43655766		-0.2573	-2.36389	0.019208	0.886722
cg12983578	chr17	79921776	ARHGDIA	-0.3391	-2.36086	0.019361	0.887439
cg10726868	chr11	12743980		-0.21251	-2.36881	0.018963	0.886429
cg26976042	chr17	9545658		0.219459	2.365375	0.019134	0.886722
cg25759366	chr6	30526264		-0.26681	-2.36851	0.018978	0.886429
cg19991383	chr3	55034387		-0.25949	-2.36984	0.018912	0.886429
cg13971124	chr11	1.34E+08		-0.21811	-2.36066	0.019371	0.887439
cg06870609	chr15	89787223		0.197753	2.358356	0.019487	0.887696
cg10669744	chr17	79660244		-0.26508	-2.35984	0.019412	0.887601
cg16918327	chr17	78694651	BAIAP2	-0.35751	-2.36299	0.019253	0.887105
cg25757714	chr6	1.1E+08		0.256085	2.360253	0.019391	0.887439

cg17982116	chr5	72747699		0.212779	2.359401	0.019434	0.887696
cg15696530	chr3	58487364		0.357198	2.367925	0.019007	0.886429
cg13391313	chr17	80330415	SECTM1	0.215888	2.359761	0.019416	0.887601
cg04141261	chr12	1.25E+08		0.169545	2.360965	0.019355	0.887439
cg15474140	chr11	560688		-0.17996	-2.36071	0.019368	0.887439
cg11981599	chr8	11566526		0.281584	2.358274	0.019492	0.887696
cg07910986	chr7	45961311		0.362157	2.364212	0.019192	0.886722
cg08770590	chr10	1.12E+08		-0.35549	-2.36419	0.019193	0.886722
cg00294684	chr11	5602123		-0.36844	-2.3646	0.019172	0.886722
cg18190798	chr3	47029335	CCR2;CCR5;CCRL2	-0.4149	-2.35715	0.019548	0.888152
cg23158419	chr3	1.56E+08		0.339652	2.358077	0.019502	0.887696
cg23945481	chr6	31938984		0.239932	2.362056	0.0193	0.887439
cg05863499	chr17	56073079		-0.33224	-2.35811	0.0195	0.887696
cg01205584	chr1	2.26E+08		0.311988	2.358159	0.019497	0.887696
cg13654103	chr9	1.11E+08	CTNNAL1;TMEM245	-0.35018	-2.35799	0.019506	0.887707
cg26941433	chr17	80011568		-0.22673	-2.35989	0.01941	0.887601
cg24632843	chr1	1.8E+08		0.21937	2.358448	0.019483	0.887696
cg23539688	chr19	9545862		0.286652	2.359566	0.019426	0.887606
cg12767196	chr1	1.76E+08		-0.37664	-2.36024	0.019392	0.887439
cg07080864	chr8	57359956		-0.36539	-2.36367	0.019219	0.886722
cg12269394	chr1	2.05E+08		0.261516	2.358184	0.019496	0.887696
cg09854515	chr4	1.12E+08		0.274527	2.360261	0.019391	0.887439
cg18043078	chr13	1.15E+08		-0.20397	-2.3592	0.019445	0.887696
cg22199821	chr12	1.31E+08		-0.3294	-2.35779	0.019516	0.887984

cg05845403	chr13	96293882	CLDN10;SOX21;SOX21-AS1	0.305753	2.366749	0.019065	0.886429
cg08188486	chr16	88356046		-0.27284	-2.36274	0.019266	0.887271
cg07905748	chr3	1E+08		-0.26246	-2.36032	0.019388	0.887439
cg05890285	chr3	9439271		-0.15304	-2.36111	0.019348	0.887439
cg09456971	chr19	11146717		0.232181	2.366121	0.019096	0.886533
cg12647283	chr10	1.27E+08	DHX32	-0.24064	-2.36414	0.019196	0.886722
cg00073837	chr2	2.23E+08		0.279066	2.36527	0.019139	0.886722
cg14463912	chr10	1.03E+08		0.231943	2.358143	0.019498	0.887696
cg19978859	chr17	80635520		0.269685	2.360978	0.019355	0.887439
cg21639387	chr8	1.44E+08		-0.18377	-2.3568	0.019567	0.888152
cg14330479	chr8	1808270		-0.37098	-2.36024	0.019392	0.887439
cg01143423	chr1	2.12E+08		0.280114	2.35693	0.01956	0.888152
cg19987256	chr22	42916332	NFAM1;BIK;CSDC2;TTLL12	-0.28475	-2.35903	0.019453	0.887696
cg11891925	chr10	13091949		-0.30306	-2.35825	0.019492	0.887696
cg04352006	chr20	36318184		-0.33735	-2.36045	0.019381	0.887439
cg17011590	chr19	15529901	SNRPGP15	-0.23151	-2.36515	0.019145	0.886722
cg06499647	chr2	1.07E+08		0.288996	2.363517	0.019227	0.886722
cg06411322	chr16	71838776		-0.26496	-2.35826	0.019492	0.887696
cg18785300	chr6	31240047		-0.23114	-2.35707	0.019553	0.888152
cg14253899	chr14	55878235		0.182944	2.369293	0.018939	0.886429
cg01802635	chr6	8064800		-0.33639	-2.36232	0.019287	0.887439
cg10442251	chr1	18700625	IFFO2	0.299115	2.359141	0.019447	0.887696
cg22497008	chr2	98350685		-0.22166	-2.35983	0.019413	0.887601

cg17863747	chr2	2.39E+08		-0.2889	-2.35599	0.019608	0.888152
cg24771908	chr10	1.32E+08		0.333758	2.355884	0.019613	0.888152
cg15242630	chr22	18488478	ENSG00000093100	0.256558	2.358436	0.019483	0.887696
cg23670631	chr19	815164		-0.34953	-2.35581	0.019617	0.888152
cg14025632	chr9	1.32E+08		-0.30016	-2.37002	0.018903	0.886429
cg09862072	chr1	1.62E+08		-0.24776	-2.36357	0.019224	0.886722
cg03365937	chr11	45688659		-0.38595	-2.35665	0.019574	0.888152
cg23727321	chr3	57199453		0.165934	2.359459	0.019431	0.887696
cg02335631	chr5	5062171		0.371602	2.356395	0.019587	0.888152
cg15127661	chr2	2.16E+08		0.24146	2.360842	0.019361	0.887439
cg14052728	chr2	95941719	PROM2	-0.87746	-2.35671	0.019571	0.888152
cg07102210	chr14	21101750		0.31544	2.361743	0.019316	0.887439
cg14455319	chr11	1.13E+08		0.365285	2.358229	0.019494	0.887696
cg09890775	chr10	1.32E+08	GLRX3	0.244492	2.357346	0.019539	0.888152
cg08876899	chr1	35545196		-0.24472	-2.3589	0.01946	0.887696
cg27451118	chr7	1.33E+08		0.308695	2.363155	0.019245	0.887105
cg01713461	chr2	64399578	ENSG00000233716	-0.2998	-2.35958	0.019425	0.887606
cg18576057	chr15	98982463		-0.27073	-2.35519	0.019649	0.888152
cg11067964	chr1	36584112		-0.18329	-2.35928	0.019441	0.887696
cg20311390	chr9	1.39E+08		0.348414	2.355412	0.019637	0.888152
cg01421963	chr19	11877743		-0.18502	-2.36419	0.019193	0.886722
cg26879813	chr5	1.81E+08		0.299841	2.359598	0.019424	0.887606
cg25130993	chr11	17566017		0.276447	2.35685	0.019564	0.888152
cg05946309	chr16	85926085		-0.26299	-2.36032	0.019388	0.887439
cg08191159	chr7	4834359		-0.31523	-2.35899	0.019455	0.887696

cg26761744	chr6	11779039	MAK;TMEM14B;ADTRP;EDN1	0.356001	2.366374	0.019084	0.886429
cg17107156	chr17	7350244		0.290721	2.359598	0.019424	0.887606
cg26570683	chr19	11689860	ACP5;ZNF44;DOCK6;EPOR;RGL3;KANK2;AP1M2;CNN1	0.318974	2.356022	0.019606	0.888152
cg18713528	chr7	75912071		-0.23433	-2.35955	0.019427	0.887606
cg20824569	chr15	86337811		-0.18791	-2.36699	0.019053	0.886429
cg06552368	chr11	1.19E+08		0.262124	2.35446	0.019686	0.888298
cg16827289	chr12	49076162		0.19883	2.356312	0.019591	0.888152
cg25106791	chr7	2962373	CARD11	0.284326	2.369727	0.018917	0.886429
cg07945906	chr14	1.02E+08		0.271948	2.360695	0.019369	0.887439
cg18223153	chr7	540667		0.355477	2.357453	0.019533	0.888152
cg24721309	chr13	1.13E+08		0.319252	2.359916	0.019408	0.887601
cg03266453	chr2	1.2E+08		0.257411	2.367699	0.019018	0.886429
cg08845973	chr16	89592071		0.365523	2.35574	0.019621	0.888152
cg26031982	chr1	1.72E+08		0.278526	2.362969	0.019254	0.887105
cg24677321	chr3	25116377		-0.28541	-2.3565	0.019582	0.888152
cg17332484	chr14	24811893		-0.3221	-2.36173	0.019317	0.887439
cg20855296	chr17	16255560	TRPV2	0.41101	2.35695	0.019559	0.888152
cg11733958	chr17	17023057	ENSG00000226145;TOM1L2;LRRC48	-0.38189	-2.36432	0.019186	0.886722
cg06442836	chr22	28314637		0.200511	2.356344	0.01959	0.888152
cg08165339	chr7	67741356		-0.61467	-2.35609	0.019603	0.888152

cg09455513	chr10	3792283		0.325571	2.358999	0.019455	0.887696
cg08529049	chr4	48988038		0.369637	2.364483	0.019178	0.886722
cg14661464	chr2	99953763		0.178207	2.355246	0.019646	0.888152
cg07819987	chr15	55700894		-0.26788	-2.35721	0.019546	0.888152
cg15547669	chr20	2781122		0.195163	2.358538	0.019478	0.887696
cg02067430	chr17	79679069		0.149997	2.361283	0.019339	0.887439
cg20902146	chr12	1.02E+08		0.230003	2.355121	0.019652	0.888152
cg13694725	chr21	15756062		0.224081	2.355042	0.019656	0.888152
cg00041084	chr5	64398983		-0.23121	-2.36144	0.019331	0.887439
cg14585700	chr9	37027605	MELK	0.32793	2.358599	0.019475	0.887696
cg19293144	chr10	1.35E+08		0.422141	2.353872	0.019716	0.888578
cg12511277	chr11	1.35E+08		-0.26266	-2.35812	0.019499	0.887696
cg21743649	chr11	3820252		-0.23411	-2.35622	0.019596	0.888152
cg13339930	chr19	4763433	UHRF1;CATSPERD	-0.2193	-2.36183	0.019311	0.887439
cg26255560	chr14	1.01E+08		-0.21465	-2.35632	0.019591	0.888152
cg12040834	chr19	4218062		-0.24847	-2.35976	0.019416	0.887601
cg03354810	chr12	33528782		-0.32717	-2.35684	0.019565	0.888152
cg20072118	chr12	52653637	GALNT6;SLC4A8;RARG;BIN2;OR7E47P;KRT4;IGFBP6;KRT5;TENC1	0.40489	2.354778	0.01967	0.888298
cg07603794	chr2	1.22E+08		-0.21968	-2.36141	0.019333	0.887439
cg08559120	chr20	1306058		-0.13955	-2.36093	0.019357	0.887439
cg15777910	chr17	3488907		-0.28515	-2.35885	0.019462	0.887696
cg27079050	chr16	75548557		-0.26811	-2.35542	0.019637	0.888152

cg14129103	chr16	12609068		-0.18017	-2.36526	0.019139	0.886722
cg02885694	chr7	1.01E+08		-0.19366	-2.35764	0.019524	0.888049
cg26188226	chr6	1.36E+08		-0.2392	-2.35456	0.019681	0.888298
cg19915738	chr19	44952730		0.609098	2.354593	0.019679	0.888298
cg24000657	chr10	76998433	C10orf11	-0.19554	-2.36057	0.019375	0.887439
cg10902987	chr2	8500179		-0.33177	-2.36135	0.019336	0.887439
cg00852534	chr6	43212858	SLC29A1	-0.26072	-2.35696	0.019558	0.888152
cg05315321	chr14	68844276		0.397595	2.356252	0.019594	0.888152
cg13242801	chr5	1.76E+08		-0.22978	-2.35839	0.019486	0.887696
cg15733692	chr18	70209551		0.350653	2.355243	0.019646	0.888152
cg06481168	chr4	1.66E+08		0.310913	2.363066	0.019249	0.887105
cg21860629	chr1	1.53E+08	C1orf189	-0.28211	-2.35548	0.019634	0.888152
cg18888461	chr11	18477379		0.594026	2.357212	0.019546	0.888152
cg00378999	chr11	3246380		-0.35331	-2.36112	0.019347	0.887439
cg07998277	chr13	1.13E+08		0.265869	2.357692	0.019521	0.88802
cg10322744	chr12	98910138		0.19474	2.352225	0.019801	0.889598
cg22157525	chr5	1.5E+08	ANXA6;CSNK1A1;MYOZ3;SYNPO;GPX3;PDGFRB;CSF1R	-0.52445	-2.35269	0.019777	0.889598
ch.1.3178922R	chr1	1.62E+08	HSPA6	-0.36329	-2.35351	0.019735	0.889132
cg12811419	chr2	27256009		-0.1832	-2.35524	0.019646	0.888152
cg24949661	chr11	60899592		0.206085	2.360956	0.019356	0.887439
cg01881136	chr16	89438758		0.24442	2.356862	0.019563	0.888152
cg06410510	chr2	1.07E+08		0.269745	2.352938	0.019764	0.889433
cg00510011	chr5	89854651		-0.25366	-2.35254	0.019785	0.889598

cg24197091	chr14	74708960		0.220647	2.356362	0.019589	0.888152
cg02057311	chr2	2.37E+08	IQCA1	0.385183	2.358264	0.019492	0.887696
cg09121928	chr16	75271179		0.358364	2.351645	0.019831	0.889598
cg01753731	chr4	903032		-0.32089	-2.34934	0.01995	0.889871
cg12638745	chr21	40816464		-0.33711	-2.35863	0.019474	0.887696
cg03314195	chr16	67678826		0.160494	2.361892	0.019308	0.887439
cg01200264	chr14	1.02E+08		-0.34136	-2.35005	0.019914	0.889871
cg17326095	chr15	89959989		0.274296	2.350647	0.019882	0.889871
cg00762550	chr17	33306307		-0.36625	-2.35228	0.019798	0.889598
cg10306035	chr10	23464518		0.388444	2.356388	0.019588	0.888152
cg03540051	chr6	31626915		0.232208	2.355083	0.019654	0.888152
cg16569147	chr16	816088		-0.24675	-2.35275	0.019774	0.889598
cg03637781	chr3	37902564		0.174937	2.354503	0.019684	0.888298
cg04764300	chr8	1.46E+08		-0.26689	-2.36294	0.019256	0.887105
cg14988565	chr20	34287060		-0.15723	-2.35204	0.01981	0.889598
cg09013709	chr4	1.35E+08		-0.42594	-2.35501	0.019658	0.888152
cg15003615	chr6	27870978		0.29452	2.355369	0.01964	0.888152
cg17143270	chr1	91532819		-0.27839	-2.36043	0.019382	0.887439
cg02718124	chr11	6502648		-0.1716	-2.35542	0.019637	0.888152
cg03321503	chr6	91320082	BACH2	0.425352	2.358155	0.019498	0.887696

cg11726150	chr6	31845172	LY6G5C;SLC44A4;VWA7;NELFE;CCHCR1;HSPA1L;NOTCH4;TCF19;C6orf10;HSPA1A;ENSG00000272221;TAP1	0.278833	2.359937	0.019407	0.887601
cg14135783	chr7	2319078	PSMG3	0.394077	2.352301	0.019797	0.889598
cg27531366	chr1	27627058	FGR;ZDHHC18	0.260216	2.358024	0.019504	0.887707
cg05206884	chr22	33454324		0.395699	2.35405	0.019707	0.888481
cg15007646	chr19	8550758		0.277242	2.360917	0.019358	0.887439
cg04910970	chr6	1E+08		0.263131	2.353025	0.01976	0.889433
cg18516268	chr17	37010922		0.320567	2.354279	0.019695	0.888453
cg13314222	chr6	32862734		-0.23162	-2.36312	0.019247	0.887105
cg00721170	chr4	74864239		0.29422	2.358259	0.019492	0.887696
cg23908305	chr11	1958316		-0.24046	-2.35499	0.019659	0.888152
cg14132236	chr6	28984254		0.395318	2.35822	0.019494	0.887696
cg02072796	chr1	85087388		-0.16928	-2.35671	0.019571	0.888152
cg26779305	chr17	11985228	DNAH9;ARHGAP44;SHISA6;ENSG00000266368	0.419449	2.361574	0.019324	0.887439
cg02918557	chr7	4901337		0.479986	2.352284	0.019798	0.889598
cg07590196	chr16	30661673		0.344257	2.354132	0.019703	0.888481
cg24717325	chr6	28784509		0.357537	2.35453	0.019683	0.888298
cg08232572	chr10	1.35E+08		-0.32906	-2.35532	0.019642	0.888152
cg12852151	chr6	1.37E+08		0.263609	2.358279	0.019491	0.887696

cg12355835	chr13	1.13E+08		0.401295	2.356265	0.019594	0.888152
cg04087039	chr7	1.58E+08		-0.27662	-2.35557	0.019629	0.888152
cg07113642	chr20	2781262		0.30324	2.356637	0.019575	0.888152
cg04461949	chr1	2.44E+08		0.261452	2.356615	0.019576	0.888152
cg20628942	chr13	1.14E+08	RASA3	0.334219	2.362109	0.019297	0.887439
cg05718034	chr1	7122667		0.345041	2.360722	0.019367	0.887439
cg13828839	chr11	1.18E+08		-0.21383	-2.35354	0.019733	0.889132
cg22717015	chr3	1.41E+08		-0.19698	-2.36469	0.019168	0.886722
cg15090509	chr7	11872073		0.451253	2.352206	0.019802	0.889598
cg15405668	chr4	2945559		0.272537	2.353254	0.019748	0.889352
cg07980830	chr8	1.45E+08		-0.37189	-2.34892	0.019972	0.889871
cg07136554	chr14	52542167		-0.23664	-2.34888	0.019974	0.889871
cg22267176	chr6	1.7E+08		-0.24059	-2.36044	0.019382	0.887439
ch.1.117057666F	chr1	1.17E+08		-0.27883	-2.35795	0.019508	0.88771
cg11435369	chr7	942874		-0.19858	-2.35391	0.019714	0.888575
cg20298273	chr1	1.57E+08	MEF2D;PEAR1;LRRC71;NES	0.290121	2.353144	0.019754	0.889419
cg18987410	chr11	1.25E+08		0.660228	2.357718	0.01952	0.88802
cg21962603	chr12	49583112		0.307701	2.351084	0.01986	0.889871
cg22986999	chr11	68781976	MRGPRF	-0.19557	-2.35845	0.019483	0.887696
cg17820495	chr8	1.29E+08		-0.25774	-2.35221	0.019802	0.889598
cg26729197	chr17	71161415		-0.20704	-2.34914	0.01996	0.889871
cg21309147	chr17	37382234		0.372174	2.355393	0.019638	0.888152
cg10812348	chr6	28235027		0.214465	2.354163	0.019701	0.888481
cg23842572	chr17	17030253		0.301783	2.35034	0.019898	0.889871

cg03202884	chr19	19248891			0.322124	2.350963	0.019866	0.889871
cg06670039	chr16	12530246			0.515235	2.356345	0.01959	0.888152
cg23339454	chr4	1165267	SPON2;NELFA		0.246811	2.34991	0.019921	0.889871
cg26542214	chr3	1.11E+08			-0.14003	-2.35523	0.019647	0.888152
cg21403771	chr7	1.31E+08			-0.12891	-2.35161	0.019833	0.889598
cg06437747	chr1	2890836	TTC34		-0.24028	-2.35235	0.019794	0.889598
cg05843621	chr17	80231999	MAFG-AS1		0.344696	2.353756	0.019722	0.888753
cg25780607	chr5	1.5E+08			-0.23794	-2.35592	0.019612	0.888152
cg20161089	chr14	94577514	IFI27		0.533349	2.35454	0.019682	0.888298
cg03388085	chr1	1.54E+08			0.175263	2.355279	0.019644	0.888152
cg25473438	chr6	41169049	C6orf132		-0.42977	-2.34693	0.020075	0.890709
cg17890940	chr7	1782346			-0.37701	-2.34985	0.019924	0.889871
cg11858450	chr19	15132184			0.524134	2.355083	0.019654	0.888152
cg12292808	chr19	18942500			-0.14509	-2.35244	0.01979	0.889598
cg10490099	chr6	1.49E+08	SASH1		-0.34358	-2.35172	0.019827	0.889598
cg18126442	chr2	63275868	EHBP1		-0.20237	-2.35425	0.019697	0.888453
cg07603278	chr7	44262985	PPIA		0.180881	2.354051	0.019707	0.888481
cg17652792	chr5	1.41E+08	CYSTM1		-0.44501	-2.35593	0.019611	0.888152
cg02824817	chr4	1.7E+08			-0.28643	-2.35494	0.019662	0.888176
cg01974141	chr14	74728386	ACOT4		-0.37357	-2.34831	0.020004	0.889892
cg05250119	chr15	79123384			0.348775	2.348078	0.020016	0.889965
cg16524240	chr15	93316187			0.353296	2.349762	0.019928	0.889871
cg13482375	chr17	57517754		Sep-04	0.261352	2.35221	0.019802	0.889598
cg25977026	chr1	23347412			0.285403	2.347316	0.020055	0.890709
cg05596265	chr3	2141382			0.251356	2.353388	0.019741	0.889185

cg00188298	chr10	97667731		-0.14269	-2.35298	0.019762	0.889433
cg20739510	chr1	10534809		0.530117	2.353416	0.01974	0.889185
cg24630521	chr5	53320010		-0.28325	-2.35634	0.01959	0.888152
cg07064331	chr16	67700219		0.153977	2.359872	0.01941	0.887601
cg24560494	chr13	53423037		-0.16836	-2.35001	0.019916	0.889871
cg13760546	chr18	29598697		-0.1969	-2.34903	0.019966	0.889871
cg20737210	chr19	1918832		-0.31035	-2.34903	0.019966	0.889871
cg08376209	chr6	1.12E+08		-0.2631	-2.35079	0.019875	0.889871
cg12232388	chr12	1.25E+08		-0.33111	-2.35191	0.019817	0.889598
cg01421539	chr17	10748125		0.356072	2.355163	0.01965	0.888152
cg02733025	chr7	1.55E+08		0.299822	2.351809	0.019822	0.889598
cg12665553	chr6	31759825	LSM2	-0.20724	-2.35441	0.019688	0.888298
cg11423206	chr2	87014979		0.299846	2.349906	0.019921	0.889871
cg26192872	chr6	1.53E+08		-0.29647	-2.34957	0.019938	0.889871
cg03638781	chr16	23880664		-0.42403	-2.35321	0.01975	0.88936
cg17316185	chr17	43045884		-0.1912	-2.34916	0.01996	0.889871
cg27082921	chr19	1800150		0.484082	2.35052	0.019889	0.889871
cg03344820	chr2	73297746		-0.19954	-2.34964	0.019935	0.889871
cg15241582	chr11	89323227		-0.25055	-2.3555	0.019633	0.888152
cg26797166	chr7	1659465		-0.45944	-2.35197	0.019814	0.889598
cg03133378	chr7	99195931		0.415564	2.351504	0.019838	0.889623
cg11299660	chr19	19626895	ENSG00000270402	0.159299	2.349287	0.019953	0.889871
cg02033582	chr17	29394814	EVI2B	-0.39184	-2.34993	0.019919	0.889871
cg20478330	chr12	1.22E+08		0.327611	2.349684	0.019932	0.889871
cg01514356	chr8	1.43E+08		-0.38827	-2.34963	0.019935	0.889871

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cg24488391	chr1	1.7E+08	0226552	-0.30307	-2.35111	0.019858	0.889871
cg02497046	chr5	1.79E+08		-0.27189	-2.35168	0.019829	0.889598
cg15952487	chr1	1.58E+08		-0.40053	-2.35452	0.019683	0.888298
cg08244522	chr20	23030533		-0.24893	-2.34984	0.019924	0.889871
cg04657684	chr11	1.08E+08		-0.39574	-2.35021	0.019905	0.889871
cg18799241	chr19	45412599		-0.26024	-2.35298	0.019762	0.889433
cg10883854	chr12	1.14E+08		0.318069	2.352271	0.019799	0.889598
cg12062782	chr11	66102686	SLC25A45;CCS	-0.23167	-2.34866	0.019985	0.889871
cg13593436	chr9	1.39E+08		-0.16996	-2.35148	0.019839	0.889623
cg07096953	chr11	2154255		-0.44975	-2.35145	0.019841	0.889623
cg01923075	chr7	1.05E+08		0.455789	2.349581	0.019938	0.889871
cg19284767	chr2	466735		-0.26238	-2.35656	0.019579	0.888152
cg26229201	chr2	1.05E+08		-0.22385	-2.3544	0.019689	0.888298
cg03855388	chr11	68580018	MRGPRF	-0.35268	-2.35069	0.01988	0.889871
cg07462677	chr8	1.19E+08		0.210261	2.351694	0.019828	0.889598
cg03820688	chr2	55477848		-0.30483	-2.35039	0.019896	0.889871
cg03724010	chr1	1473443	ENSG00000237491	-0.22031	-2.35122	0.019853	0.889871
cg24596570	chr1	26146463		-0.23269	-2.34657	0.020094	0.890762
cg24060538	chr6	14024568		0.299598	2.347566	0.020042	0.890501
cg01377459	chr2	1.45E+08		-0.35413	-2.34497	0.020178	0.891498
cg11274428	chr6	28832270		0.437911	2.353367	0.019742	0.889185
cg06854502	chr1	19923593		-0.21043	-2.34713	0.020065	0.890709

cg15304699	chr10	1.35E+08		0.432502	2.345004	0.020176	0.891498
cg14915749	chr11	65627159		0.132605	2.350888	0.01987	0.889871
cg00500359	chr11	3175625	KCNQ1	0.690157	2.347083	0.020067	0.890709
cg21681109	chr7	32468131		0.279659	2.355605	0.019628	0.888152
cg14381712	chr1	12546623	C1orf158;FBXO2;AGTRAP	0.369203	2.35467	0.019675	0.888298
cg15815607	chr20	30135144		0.208336	2.348599	0.019989	0.889871
cg19680441	chr7	1.58E+08		0.291692	2.355666	0.019624	0.888152
cg21615841	chr13	1.14E+08		-0.25262	-2.34816	0.020011	0.889907
cg05988645	chr16	8715306		0.466364	2.351711	0.019828	0.889598
cg12079322	chr2	1.55E+08		0.41177	2.345311	0.02016	0.891498
cg03966669	chr16	4763799		-0.35127	-2.35001	0.019916	0.889871
cg07124173	chr5	1.4E+08		-0.20276	-2.35194	0.019816	0.889598
cg04738888	chr17	73584111		0.226774	2.348599	0.019989	0.889871
cg12576073	chr6	30521242		-0.21768	-2.34678	0.020083	0.890762
cg18203366	chr1	2E+08		0.306919	2.349488	0.019942	0.889871
cg15391883	chr17	70673679		-0.26004	-2.34798	0.020021	0.890103
cg11912948	chr13	50413150	EBPL	-0.30226	-2.35261	0.019781	0.889598
cg04564461	chr1	41978921		-0.31272	-2.35226	0.019799	0.889598
cg15183704	chr15	91207655		-0.23892	-2.34876	0.01998	0.889871
cg24977027	chr2	88469347	THNSL2	0.422638	2.348886	0.019974	0.889871
cg22877024	chr5	1.43E+08		0.352472	2.349618	0.019936	0.889871

cg01541600	chr16	87988715	PIEZO1;GALNS;ZCCHC14;ENSG00000182376;ENSG00000224888;ENSG00000260121	0.350651	2.358122	0.019499	0.887696
cg04276007	chr7	1.07E+08	PIK3CG;PRKAR2B	0.314261	2.351377	0.019845	0.889675
cg16988072	chr17	41791475	CNTNAP1;LINC00910	-0.20125	-2.34412	0.020222	0.891498
cg04653893	chr16	20996560		-0.31118	-2.3492	0.019958	0.889871
cg15110403	chr19	17392923		0.276162	2.351085	0.01986	0.889871
cg20252015	chr1	64100814		-0.2501	-2.34846	0.019996	0.889892
cg25441629	chr4	39467911		0.331898	2.351185	0.019855	0.889871
cg12494124	chr19	12721746		-0.18351	-2.34695	0.020074	0.890709
cg08414068	chr5	31857916		0.420226	2.350899	0.019869	0.889871
cg00232500	chr9	14910689		-0.22429	-2.34642	0.020102	0.89081
cg07658640	chr12	52868602		-0.40707	-2.34692	0.020076	0.890709
cg03756814	chr2	1.48E+08		0.201533	2.349744	0.019929	0.889871
cg11901544	chr6	33396247		0.237341	2.347279	0.020057	0.890709
cg07655025	chr19	12835001		0.287349	2.354003	0.01971	0.888481
cg16408679	chr2	54517382		0.466322	2.342983	0.020282	0.891498
cg21200067	chr9	35656836		0.33808	2.347773	0.020032	0.8903
cg21330700	chr5	96478573		-0.28948	-2.34701	0.020071	0.890709
cg27303699	chr1	1.58E+08		0.284154	2.349071	0.019964	0.889871
cg23059709	chr15	57778278	CGNL1	0.305385	2.349767	0.019928	0.889871
cg13436417	chr10	1.22E+08		-0.24186	-2.34544	0.020153	0.891498

cg20001850	chr8	29940579		-0.15339	-2.35001	0.019915	0.889871
cg05365835	chr12	45567294		0.320939	2.348971	0.019969	0.889871
cg17530639	chr15	64448120		-0.22741	-2.34597	0.020125	0.891322
cg03912703	chr1	45279349		0.292119	2.347131	0.020065	0.890709
cg00603274	chr11	61596626	FADS2	0.300324	2.34928	0.019953	0.889871
cg22115093	chr11	61525922	SYT7;CD5	-0.22921	-2.34839	0.019999	0.889892
cg18022496	chr3	1.97E+08		0.221564	2.350196	0.019906	0.889871
cg00747890	chr14	90854534		-0.27447	-2.35482	0.019667	0.888298
cg16639691	chr13	28597227	RPL21;GTF3A	-0.27901	-2.34338	0.020261	0.891498
cg22880557	chr11	1109004	LRRC56;MUC5B;B4GALNT4;TSPAN4;MRPL23;IFITM1;DEAF1;SIGIRR;EFCAB4A;IFITM3;MUC5AC;MOB2;TALDO1	0.35851	2.352936	0.019764	0.889433
cg06988310	chr16	19897685	ITPRIPL2	-0.27205	-2.3458	0.020134	0.891498
cg10005960	chr4	8430380		0.187612	2.350775	0.019876	0.889871
cg10574377	chr1	18908098		-0.17118	-2.35171	0.019827	0.889598
cg20875821	chr18	61557735	PHLPP1;BCL2;SERPINB2;ENSG00000267701	-0.38843	-2.354	0.01971	0.888481
cg07266616	chr4	55093241		0.283994	2.346307	0.020108	0.89081
cg16581536	chr14	38064849		-0.26248	-2.343	0.020281	0.891498
cg23354260	chr13	57309855		-0.27234	-2.34256	0.020304	0.891498
ch.7.2773799F	chr7	1.33E+08		0.373467	2.350475	0.019891	0.889871

cg21692620	chr17	40835849	-0.57228	-2.34243	0.020311	0.891498
cg18385719	chr4	75023649	0.195823	2.349989	0.019916	0.889871
cg14768785	chr3	1.72E+08	0.238687	2.346274	0.02011	0.89081
cg22129809	chr3	1.39E+08	-0.3117	-2.34375	0.020242	0.891498
cg15779600	chr10	71892694	0.289521	2.344429	0.020206	0.891498
cg14339038	chr13	22246104	0.397887	2.344776	0.020188	0.891498
cg06998224	chr5	1.28E+08	-0.37463	-2.34846	0.019996	0.889892
cg00241076	chr16	27120945	0.209581	2.348611	0.019988	0.889871
cg27113091	chr3	32668376	0.374989	2.35584	0.019616	0.888152
cg03588513	chr13	1.14E+08	0.32924	2.342931	0.020285	0.891498
cg03805566	chr3	1.83E+08	0.31007	2.348896	0.019973	0.889871
cg18719750	chr8	97505788	0.272173	2.347665	0.020037	0.890365
cg14349131	chr9	14287483	-0.34096	-2.35102	0.019863	0.889871
cg05419696	chr17	7761198	0.141182	2.35217	0.019804	0.889598
cg05049638	chr1	44867471	0.32802	2.34515	0.020168	0.891498
cg13605578	chr6	11191135	-0.28508	-2.3494	0.019947	0.889871
cg09828381	chr12	63177404	-0.36152	-2.34257	0.020304	0.891498
cg18207214	chr5	1.26E+08	0.248954	2.352194	0.019803	0.889598
cg27202622	chr19	58478689	-0.35092	-2.34653	0.020096	0.890762
cg00275741	chr5	1.4E+08	0.463604	2.344933	0.02018	0.891498
cg07536102	chr17	74073527	0.237474	2.346735	0.020086	0.890762
cg20587945	chr7	83043384	-0.39582	-2.34833	0.020003	0.889892
cg25296745	chr4	3520691	0.289793	2.346554	0.020095	0.890762
cg06338708	chr4	1.16E+08	0.333301	2.350095	0.019911	0.889871
cg19233923	chr11	63753598	-0.59551	-2.34259	0.020303	0.891498

cg14804129	chr19	5110798		0.346225	2.342339	0.020316	0.891498
cg06443034	chr17	78417973		0.27232	2.341106	0.020381	0.891498
cg23038074	chr14	24808650		0.276046	2.342855	0.020289	0.891498
cg08712572	chr1	2.05E+08		0.297742	2.34558	0.020146	0.891498
cg26113593	chr5	1001881		0.243963	2.342558	0.020305	0.891498
cg15139038	chr8	29019587		-0.25852	-2.34476	0.020189	0.891498
cg17034082	chr5	1.53E+08		-0.2265	-2.34781	0.02003	0.8903
cg05580274	chr2	2.31E+08		-0.2533	-2.34894	0.019971	0.889871
cg23164982	chr8	65286329		0.195487	2.346625	0.020091	0.890762
cg07118000	chr8	37656246		-0.24414	-2.34436	0.02021	0.891498
cg14685575	chr14	60193832		0.393728	2.345563	0.020147	0.891498
cg03558949	chr13	32853269		-0.2262	-2.34476	0.020189	0.891498
cg17034360	chr1	68629032		-0.13547	-2.34862	0.019987	0.889871
cg27224809	chr1	2.3E+08		0.266838	2.348388	0.02	0.889892
cg17284200	chr6	20837097		-0.30564	-2.34866	0.019985	0.889871
cg22073802	chr9	98269255		-0.23473	-2.34193	0.020338	0.891498
cg13361271	chr1	1070325		-0.14511	-2.35144	0.019841	0.889623
cg09830022	chr10	1.05E+08		0.275192	2.349489	0.019942	0.889871
cg22313322	chr6	1.6E+08		0.183732	2.346945	0.020075	0.890709
cg01336571	chr13	1.13E+08		0.342667	2.347108	0.020066	0.890709
cg03967521	chr5	1.24E+08		-0.32338	-2.33992	0.020444	0.891498
cg23554956	chr8	65489040		-0.31925	-2.34938	0.019948	0.889871
cg22176353	chr13	1.15E+08		0.191513	2.343599	0.02025	0.891498
cg08756594	chr11	1892392	LSP1	0.319567	2.341211	0.020376	0.891498
cg02176428	chr19	53697124		0.235244	2.346167	0.020115	0.890965

cg00439267	chr11	71935881		-0.17845	-2.34145	0.020363	0.891498
cg24450157	chr6	30640543		0.198649	2.340892	0.020392	0.891498
cg16612423	chr5	6491884		-0.45358	-2.34419	0.020219	0.891498
cg25567337	chr20	61148178		0.230565	2.344892	0.020182	0.891498
cg19636366	chr19	11708328		-0.16027	-2.34301	0.020281	0.891498
cg13294509	chr9	1.31E+08		-0.31694	-2.34371	0.020244	0.891498
cg09608652	chr16	53105688		0.317679	2.348143	0.020012	0.889907
cg26207380	chr8	1.44E+08		0.333659	2.341935	0.020337	0.891498
cg23501962	chr11	35440252		0.275132	2.345297	0.020161	0.891498
cg14234656	chr7	1.57E+08		-0.34551	-2.34094	0.02039	0.891498
cg10767141	chr7	27225143		0.246535	2.347472	0.020047	0.890626
cg21103385	chr7	1.56E+08	RBM33	-0.26099	-2.34237	0.020315	0.891498
cg05400495	chr15	59665308		-0.22636	-2.34703	0.02007	0.890709
cg15622912	chr5	1.75E+08		0.340924	2.339024	0.020491	0.891498
cg14337134	chr7	1.03E+08		0.234919	2.343134	0.020274	0.891498
cg01001286	chr15	81475638		-0.29131	-2.34186	0.020341	0.891498
cg00562107	chr11	37532293		-0.36712	-2.33986	0.020447	0.891498
cg18849213	chr12	1.32E+08		0.748546	2.345207	0.020165	0.891498
cg27517681	chr1	1.2E+08		0.262913	2.344028	0.020227	0.891498
cg02351575	chr15	60739879		0.40107	2.344551	0.0202	0.891498
cg04648747	chr12	72233970		0.382367	2.342862	0.020289	0.891498
cg11308211	chr2	1.73E+08		-0.14019	-2.34555	0.020148	0.891498
cg24058566	chr5	87974100		0.344405	2.3479	0.020025	0.890192
cg20714715	chr15	65113714		-0.24927	-2.33921	0.020481	0.891498
cg02910910	chr12	1.22E+08		0.256283	2.346348	0.020106	0.89081

cg07104818	chr1	1.2E+08		0.386102	2.338798	0.020503	0.891498
cg01117705	chr17	1629224		-0.28005	-2.34339	0.020261	0.891498
cg18910127	chr17	77361667		0.232519	2.345517	0.020149	0.891498
cg12737152	chr11	1.3E+08		0.568141	2.341216	0.020375	0.891498
cg27627038	chr6	475038		0.363546	2.345243	0.020164	0.891498
cg21589858	chr3	99566949		0.415339	2.345227	0.020164	0.891498
cg25153629	chr1	3135375	MMEL1	0.20547	2.345829	0.020133	0.891498
cg19479654	chr19	18496921		-0.43328	-2.33936	0.020474	0.891498
cg17547742	chr11	985589		-0.52735	-2.33876	0.020505	0.891498
cg11755740	chr8	9413382		-0.18326	-2.3432	0.020271	0.891498
cg02165692	chr2	30142586		0.317427	2.347684	0.020036	0.890365
cg18543991	chr3	1.46E+08		0.372193	2.342989	0.020282	0.891498
cg07922387	chr17	3375989		-0.2677	-2.34461	0.020197	0.891498
cg18163364	chr14	1.02E+08	DIO3OS;WARS	0.230358	2.348553	0.019991	0.889885
cg21196860	chr17	71431796		-0.22809	-2.33897	0.020494	0.891498
cg07474494	chr19	58446600	ZNF418;ZIK1;ZNF274;ZNF671;ZNF549	0.378603	2.338644	0.020512	0.891498
cg09085220	chr16	8736433		0.3197	2.346731	0.020086	0.890762
cg02084669	chr14	74707360		0.297351	2.342181	0.020324	0.891498
cg14655532	chr1	3664680		-0.40518	-2.34017	0.020431	0.891498
cg07597763	chr11	59382877		0.209323	2.345411	0.020155	0.891498
cg06018019	chr17	42062202		-0.26634	-2.35073	0.019878	0.889871
cg04614053	chr19	12250778		-0.23178	-2.34229	0.020319	0.891498
cg23168483	chr15	65669821		-0.28551	-2.3434	0.02026	0.891498
cg12284521	chr6	34113943		0.301214	2.342029	0.020332	0.891498

cg04261607	chr11	65150871		-0.18675	-2.3406	0.020408	0.891498
cg24495052	chr17	8189468	DNAH2;CYB5D1;EFNB3;TMEM107;AURKB;WRAP53	0.239687	2.342504	0.020307	0.891498
cg03513388	chr1	17599362	PADI1;MFAP2;RNU1-4;RCC2;RNU1-2	-0.24091	-2.34109	0.020382	0.891498
cg04664161	chr19	1876758		0.270304	2.341098	0.020382	0.891498
cg10027017	chr12	1.33E+08		0.282614	2.340078	0.020436	0.891498
cg11717054	chr11	279423		0.579357	2.342434	0.020311	0.891498
cg22724943	chr1	26070246	UBXN11;AIM1L;STMN1;MAN1C1;CEP85	0.303811	2.34667	0.020089	0.890762
cg05237023	chr16	75182837		-0.15597	-2.34009	0.020435	0.891498
cg05101498	chr4	7069843		0.166824	2.341467	0.020362	0.891498
cg21382878	chr1	2.46E+08		0.18752	2.351686	0.019829	0.889598
cg08837037	chr22	31318179		0.619217	2.342949	0.020284	0.891498
cg12506393	chr5	1.07E+08		0.401551	2.342963	0.020283	0.891498
cg24059033	chr21	10991334		0.229483	2.342948	0.020284	0.891498
cg26699102	chr15	78894483		-0.31797	-2.34098	0.020388	0.891498
cg13674885	chr19	19649041		-0.15233	-2.34574	0.020138	0.891498
cg05695876	chr1	2.02E+08	ELF3;C1orf106;CSRP1;UBE2T;PPP1R12B;LMOD1	0.34826	2.346621	0.020092	0.890762
cg00673646	chr11	59950525	PATL1;TCN1	-0.4789	-2.34357	0.020251	0.891498
cg26673775	chr3	50273532		-0.20799	-2.33962	0.02046	0.891498

cg16534233	chr1	42846477		0.168193	2.339734	0.020454	0.891498
cg14765337	chr11	45931715	ENSG00000244313	0.211554	2.34398	0.02023	0.891498
cg25869628	chr13	23458307	ENSG00000262198;LINC00621;NUS1P2;BASP1P1	0.732372	2.338468	0.020521	0.891498
cg08652404	chr7	99098009		-0.24646	-2.34356	0.020252	0.891498
cg13618111	chr3	1.38E+08	CEP70;FAIM	-0.28481	-2.33911	0.020487	0.891498
cg14667731	chr6	28891990	TRIM27	-0.17537	-2.34044	0.020416	0.891498
cg10942903	chr3	46933972		0.182951	2.340856	0.020394	0.891498
cg23497016	chr2	66666684		0.428444	2.340507	0.020413	0.891498
cg26181818	chr2	2.33E+08		0.445867	2.342841	0.02029	0.891498
cg08517659	chr17	2952533		-0.33386	-2.34268	0.020298	0.891498
cg04755561	chr16	3029641	ENSG00000272079;CLDN9;ZNF213;SLC9A3R2	-0.2137	-2.3412	0.020376	0.891498
cg07158339	chr9	71650237		-0.33054	-2.34186	0.020341	0.891498
cg25585185	chr11	1.33E+08		-0.28887	-2.34282	0.020291	0.891498
cg03599037	chr10	82172508	ANXA11;ZCCHC24;FAM213A;TMEM254	-0.25484	-2.34043	0.020417	0.891498
cg10595952	chr5	2097052		-0.43687	-2.33941	0.020471	0.891498
cg26344227	chr7	53287126		0.293001	2.339981	0.020441	0.891498
cg13883376	chr9	18770966		-0.29335	-2.34535	0.020158	0.891498
cg07638822	chr7	1.58E+08		0.231818	2.337081	0.020595	0.891498
cg27076781	chr20	42219517		-0.33309	-2.34354	0.020253	0.891498
cg27278953	chr14	77737661		0.281197	2.343661	0.020247	0.891498

cg12785643	chr6	30523313		-0.17248	-2.34006	0.020437	0.891498
cg21170836	chr14	1.06E+08	CRIP2	0.333343	2.341271	0.020372	0.891498
cg06540950	chr5	1.24E+08	HMGB1P29;LINC01170	0.464645	2.348229	0.020008	0.889907
cg12274508	chr6	33170770		0.219326	2.346385	0.020104	0.89081
cg06380459	chr17	78234294		-0.20315	-2.34292	0.020286	0.891498
cg19889855	chr3	1.22E+08	HCLS1;CD86;PARP15	-0.32852	-2.34426	0.020215	0.891498
cg10012595	chr1	25174504		-0.23179	-2.34733	0.020054	0.890709
cg04650653	chr11	1890901	LSP1	0.367068	2.335775	0.020665	0.891498
cg13504812	chr11	1005232		0.245728	2.336915	0.020604	0.891498
cg20699323	chr8	1.33E+08		0.242412	2.340881	0.020393	0.891498
cg23190268	chr7	186559		0.371939	2.3363	0.020637	0.891498
cg11571263	chr6	90121836		0.216055	2.34237	0.020314	0.891498
cg18568859	chr3	1.34E+08		-0.32396	-2.35212	0.019807	0.889598
cg17149103	chr1	1.48E+08		0.302557	2.344854	0.020184	0.891498
cg07139330	chr8	1.44E+08		-0.23096	-2.34538	0.020157	0.891498
cg06647562	chr1	92950369		-0.21853	-2.34004	0.020438	0.891498
cg07568716	chr10	1.16E+08		-0.31107	-2.34296	0.020283	0.891498
cg09222379	chr16	11890746		-0.34539	-2.34071	0.020402	0.891498
cg20597215	chr11	59224664		-0.31473	-2.33936	0.020474	0.891498
cg11123545	chr5	1.4E+08		-0.18928	-2.33659	0.020621	0.891498
cg07117087	chr16	85537336		0.308617	2.340872	0.020394	0.891498
cg00650361	chr10	27703289		0.255792	2.339484	0.020467	0.891498
cg02270518	chr6	29404728		0.419157	2.339133	0.020486	0.891498

cg05869169	chr17	37827454	ENSG00000264198;IKZF3	-0.23313	-2.33607	0.020649	0.891498
cg20029311	chr14	74100086		0.257927	2.341736	0.020348	0.891498
cg01252672	chr5	32711881		0.206189	2.337108	0.020593	0.891498
cg12419052	chr3	1.47E+08		0.283756	2.344205	0.020218	0.891498
cg24930536	chr17	79615807		0.393091	2.336492	0.020626	0.891498
cg09736922	chr3	1.84E+08		-0.26937	-2.33706	0.020596	0.891498
cg18506744	chr19	1102627	MEX3D	-0.26584	-2.33733	0.020581	0.891498
cg22353755	chr19	28397061		-0.34967	-2.3432	0.020271	0.891498
cg02629833	chr17	80349836		0.289551	2.340032	0.020438	0.891498
cg00867510	chr2	2.4E+08		-0.29386	-2.34145	0.020363	0.891498
cg24569018	chr3	48659211		-0.27321	-2.34113	0.02038	0.891498
cg20004451	chr6	42162708		0.220691	2.341242	0.020374	0.891498
cg07254413	chr11	59940485		0.31634	2.342875	0.020288	0.891498
cg01620077	chr6	49755009		-0.2732	-2.34461	0.020197	0.891498
cg16264249	chr15	29424512		-0.24521	-2.3437	0.020245	0.891498
cg14449524	chr9	78253033		-0.22783	-2.33702	0.020598	0.891498
cg09451434	chr3	62936126	ENSG00000224479	-0.23874	-2.34197	0.020336	0.891498
cg05948645	chr8	1.41E+08		0.330716	2.339495	0.020466	0.891498
cg15892658	chr11	33757569		0.154085	2.337708	0.020561	0.891498
cg07441272	chr3	1.87E+08	ENSG00000236864	0.206518	2.342864	0.020288	0.891498
cg13514230	chr3	62860224		0.362769	2.33951	0.020466	0.891498
cg03153765	chr14	1.02E+08		-0.35847	-2.33773	0.02056	0.891498
cg22203659	chr12	1.31E+08		-0.25143	-2.33819	0.020536	0.891498
cg00986825	chr17	48614425		-0.39137	-2.3482	0.020009	0.889907

cg02770751	chr19	795467	FSTL3	0.303828	2.339274	0.020478	0.891498
cg00677866	chr20	61051685		0.249384	2.334237	0.020747	0.891498
cg18658230	chr2	1887399		-0.2389	-2.33627	0.020638	0.891498
cg16635772	chr20	2443807		0.173734	2.343357	0.020263	0.891498
cg25934198	chr9	1.4E+08	PTGDS	-0.27023	-2.33841	0.020524	0.891498
cg08129490	chr1	1.12E+08		-0.32873	-2.34369	0.020245	0.891498
cg05378942	chr16	5147925		-0.24272	-2.33676	0.020612	0.891498
cg21250356	chr7	1.57E+08		0.295676	2.335395	0.020685	0.891498
cg03851984	chr5	1.46E+08	DPYSL3	-0.23905	-2.34381	0.020239	0.891498
cg22221490	chr1	8938754		0.169263	2.334449	0.020736	0.891498
cg21810047	chr13	97647222		0.282449	2.340965	0.020389	0.891498
cg25314902	chr5	87971446		0.293819	2.338066	0.020542	0.891498
cg22482658	chr9	1.12E+08		0.226182	2.336295	0.020637	0.891498
cg24582781	chr3	47450915		-0.19336	-2.33761	0.020567	0.891498
cg06947852	chr17	37307971		-0.15506	-2.34022	0.020428	0.891498
cg18162120	chr1	2.25E+08		-0.18772	-2.3437	0.020244	0.891498
cg02486268	chr11	69682825		-0.20894	-2.34515	0.020169	0.891498
cg09516786	chr11	71715072		0.288545	2.332355	0.020848	0.891498
cg08802983	chr12	1.33E+08		0.411316	2.338552	0.020517	0.891498
cg20748073	chr19	41842629		-0.19777	-2.33921	0.020482	0.891498
cg17507952	chr5	16179012		0.28646	2.342013	0.020333	0.891498
cg12125484	chr7	609820	ENSG00000249574	0.271228	2.346494	0.020098	0.890762
cg15962313	chr11	1.27E+08		-0.34966	-2.33736	0.02058	0.891498
cg14677703	chr11	1.34E+08		0.305571	2.340723	0.020401	0.891498
cg11739148	chr15	31622112		-0.21461	-2.33416	0.020751	0.891498

cg23280294	chr1	8722464		-0.21729	-2.3396	0.020461	0.891498
cg25618559	chr2	2.42E+08		0.237447	2.339216	0.020481	0.891498
cg01074643	chr2	3337709		0.250164	2.338276	0.020531	0.891498
cg10084554	chr10	1.28E+08		-0.35366	-2.33401	0.020759	0.891498
cg07898632	chr15	73345666		0.194761	2.334457	0.020735	0.891498
cg09279615	chr1	1.66E+08		0.228339	2.338505	0.020519	0.891498
cg17643624	chr13	1.11E+08		-0.3078	-2.33498	0.020707	0.891498
cg01085736	chr14	89851504		0.323843	2.336376	0.020632	0.891498
cg18863333	chr2	5833195		0.24846	2.333288	0.020798	0.891498
cg22419075	chr9	1.4E+08		-0.18564	-2.3334	0.020792	0.891498
cg27659622	chr6	1.08E+08	SCML4;LACE1	0.470345	2.337223	0.020587	0.891498
cg01793320	chr8	20030779		-0.28362	-2.34096	0.020389	0.891498
cg02266714	chr12	13153273		0.252636	2.342052	0.020331	0.891498
cg08611205	chr3	14218869		-0.29264	-2.33432	0.020742	0.891498
cg08280936	chr7	1.49E+08		-0.20962	-2.33721	0.020588	0.891498
cg20701556	chr1	95698924		0.414143	2.33353	0.020785	0.891498
cg10426893	chr16	68482821		0.269788	2.334162	0.020751	0.891498
cg02441747	chr4	1.1E+08		0.41598	2.339265	0.020479	0.891498
cg00758420	chr1	16070820		-0.31318	-2.33495	0.020709	0.891498
cg21041512	chr17	79196677		-0.14688	-2.33765	0.020565	0.891498
cg03776662	chr5	1.22E+08	PRDM6	0.208874	2.342011	0.020333	0.891498
cg26482862	chr18	32957463		0.301619	2.342918	0.020286	0.891498
cg05944369	chr4	1.74E+08		0.203789	2.334819	0.020716	0.891498
cg07345016	chr5	1.76E+08	FGFR4	-0.26586	-2.33289	0.02082	0.891498
cg02191312	chr14	52734397		0.219353	2.33509	0.020701	0.891498

cg10661904	chr17	79619235	CSNK1D;RPTOR	0.370085	2.339338	0.020475	0.891498
cg17987483	chr1	25660365	RHD;ENSG00000261349	-0.26813	-2.33945	0.020469	0.891498
cg17680303	chr4	47183921		-0.33994	-2.33719	0.020589	0.891498
cg09079613	chr1	1.54E+08	JTB;SHE;NPR1;ADAR;TDRD10;S100A6;ILF2;GATAD2B	0.220897	2.333784	0.020771	0.891498
cg09513416	chr6	71319075		-0.28585	-2.34069	0.020403	0.891498
cg23201938	chr5	1.34E+08	PITX1;SEC24A	-0.38666	-2.33924	0.02048	0.891498
cg22868111	chr10	61386132	ENSG00000236556	-0.31596	-2.33538	0.020686	0.891498
cg00667948	chr13	1.01E+08		-0.39787	-2.34867	0.019985	0.889871
cg26824174	chr1	1.15E+08		0.359397	2.334249	0.020746	0.891498
cg08997193	chr6	1.32E+08		-0.16888	-2.33436	0.020741	0.891498
cg27387222	chr12	32831504		-0.28633	-2.33913	0.020486	0.891498
cg12470377	chr5	1.77E+08		-0.17649	-2.33622	0.020641	0.891498
cg15820809	chr22	43507369		-0.19651	-2.33714	0.020592	0.891498
cg24834709	chr19	57922503		0.146429	2.33726	0.020585	0.891498
cg20613972	chr4	84037158		-0.36037	-2.33488	0.020712	0.891498
cg11411509	chr6	33157746		-0.26336	-2.33529	0.020691	0.891498
cg09638516	chr2	3501998		0.3603	2.332191	0.020857	0.891498
cg07281640	chr9	1.12E+08		0.254493	2.337548	0.02057	0.891498
cg10434482	chr10	7708279		-0.18203	-2.33471	0.020722	0.891498
cg20064122	chr22	18593362		-0.28102	-2.34107	0.020383	0.891498
cg24633312	chr7	43300742		-0.32871	-2.3338	0.02077	0.891498
cg15161394	chr5	1.46E+08		0.285652	2.332545	0.020838	0.891498

cg06833203	chr19	15218579		0.219735	2.337388	0.020578	0.891498
cg27360003	chr10	1.05E+08	CNNM2	0.248627	2.344165	0.02022	0.891498
cg09811464	chr9	1.35E+08		0.240348	2.336954	0.020602	0.891498
cg03682823	chr7	94286953		-0.15137	-2.33402	0.020758	0.891498
cg09009074	chr3	8543508		-0.17978	-2.34098	0.020388	0.891498
cg07496457	chr4	1.85E+08		-0.29889	-2.34217	0.020325	0.891498
cg11537607	chr8	26493993		0.360117	2.339073	0.020489	0.891498
cg11973900	chr1	1.75E+08		-0.20073	-2.33255	0.020837	0.891498
cg05747812	chr10	1.26E+08		-0.28589	-2.33627	0.020638	0.891498
cg02263813	chr16	56672640		0.323447	2.332108	0.020862	0.891498
cg20410135	chr5	1.78E+08		0.249523	2.341698	0.02035	0.891498
cg09407273	chr19	2248632		-0.2506	-2.34047	0.020415	0.891498
cg12319534	chr4	54959841		0.36387	2.34191	0.020339	0.891498
cg13628937	chr17	75969881		-0.32538	-2.33823	0.020534	0.891498
cg26953153	chr17	17699213		0.247415	2.336331	0.020635	0.891498
cg00792184	chr14	73355148		0.254264	2.33624	0.02064	0.891498
cg08035241	chr11	8283394		-0.2381	-2.33129	0.020906	0.891498
cg19931975	chr3	1.72E+08		-0.38255	-2.33694	0.020602	0.891498
cg05847060	chr14	22457536		0.396591	2.334064	0.020756	0.891498
cg16242708	chr19	40596726		0.164343	2.340483	0.020414	0.891498
cg10536076	chr5	83017921		0.218137	2.335195	0.020696	0.891498
cg04265603	chr7	1.59E+08		-0.22143	-2.33063	0.020941	0.891498
cg10652091	chr2	2.42E+08		0.217181	2.333057	0.02081	0.891498
cg22031289	chr2	1.89E+08		-0.37816	-2.33575	0.020666	0.891498
cg00915206	chr2	1.72E+08		0.244248	2.341395	0.020366	0.891498

cg09867115	chr1	2.47E+08		0.297407	2.329731	0.02099	0.891498
cg25957092	chr12	1.23E+08	DNAH10;TCTN2;WDR66;LRRC43	0.26925	2.332536	0.020839	0.891498
cg26067760	chr10	1.01E+08		0.406275	2.335864	0.02066	0.891498
cg06411434	chr16	712254		-0.28305	-2.33381	0.02077	0.891498
cg11759288	chr21	46696759		-0.2785	-2.33405	0.020757	0.891498
cg00499831	chr1	34627314		-0.23242	-2.33902	0.020491	0.891498
cg01323672	chr3	49700451	MON1A	0.287836	2.337556	0.02057	0.891498
ch.9.2473665R	chr9	1.39E+08		-0.34222	-2.33585	0.020661	0.891498
cg08233448	chr14	21978798		0.210349	2.335862	0.02066	0.891498
cg05809668	chr7	35301188		0.359859	2.334077	0.020756	0.891498
cg02887499	chr6	26158339		0.326247	2.333481	0.020788	0.891498
cg00599812	chr1	1385047		-0.33355	-2.33864	0.020512	0.891498
cg27269196	chr16	87584503		-0.3327	-2.33321	0.020802	0.891498
cg02032696	chr14	67982198		-0.13351	-2.33466	0.020724	0.891498
cg15891268	chr14	95236612		0.276386	2.330533	0.020947	0.891498
cg15289190	chr6	28831544		-0.21487	-2.33154	0.020892	0.891498
cg02900978	chr3	42727843		0.250046	2.333488	0.020787	0.891498
cg02383130	chr7	38670957		0.316224	2.334124	0.020753	0.891498
cg18411055	chr7	4796655		0.269973	2.334431	0.020737	0.891498
cg21073459	chr19	54604098	MBOAT7	-0.21003	-2.33869	0.020509	0.891498
cg02490034	chr7	1.3E+08		0.273198	2.338968	0.020494	0.891498
cg19003797	chr6	1.38E+08		0.28118	2.335276	0.020691	0.891498
cg07920739	chr12	1.02E+08		0.145194	2.338358	0.020527	0.891498

cg18684142	chr17	46682394	HOXB4;TTLL6;HOXB-AS2	0.45371	2.332705	0.020829	0.891498
cg20911831	chr16	863884		0.316089	2.33284	0.020822	0.891498
cg25707945	chr10	3147707		0.297172	2.337353	0.02058	0.891498
cg12062639	chr20	23401060		-0.25563	-2.33561	0.020673	0.891498
cg24454829	chr11	22363053		0.278508	2.334224	0.020748	0.891498
cg00144414	chr16	89203153		0.243465	2.339595	0.020461	0.891498
cg13470719	chr7	1.57E+08		-0.30357	-2.32987	0.020983	0.891498
cg20426860	chr19	19248839		-0.28391	-2.33821	0.020535	0.891498
cg14086642	chr15	40987279		-0.14172	-2.33199	0.020868	0.891498
cg09194755	chr16	68298776		0.280035	2.331155	0.020913	0.891498
cg13462387	chr18	10471657		0.215796	2.331593	0.020889	0.891498
cg19725474	chr14	51172257		-0.18644	-2.33457	0.020729	0.891498
cg27422141	chr13	67803251	PCDH9	0.38778	2.33552	0.020678	0.891498
cg14632140	chr12	16758112		0.279787	2.335859	0.02066	0.891498
cg16122707	chr2	1.28E+08	BIN1	0.263503	2.33034	0.020957	0.891498
cg15603354	chr11	1.08E+08		0.353763	2.331635	0.020887	0.891498
cg05345039	chr1	43401889		-0.52172	-2.32976	0.020988	0.891498
cg00284420	chr16	87311948	SLC7A5	-0.60462	-2.3368	0.02061	0.891498
cg19108432	chr5	1.72E+08	BNIP1	-0.19761	-2.32875	0.021043	0.891498
cg12672226	chr5	1.57E+08		-0.15274	-2.33971	0.020455	0.891498
cg08285768	chr15	86038622		0.388165	2.330516	0.020948	0.891498
cg17802847	chr2	2.02E+08		0.278731	2.331084	0.020917	0.891498

			IK;CYSTM1;ZMAT2;PCDHGC3;PCDHGA5;PCDHGA6;PCDHAC1;PCDHB18;NRG2;PCDHGB2;PCDHGA2;PCDHGA12;PCDHB1;FCHSD1;NDUFA2;PCDHGA4;TMCO6;PCDHGB7;PCDHB9;PCDHGA11;PCDHB12				
cg25319233	chr5	1.4E+08		-0.41383	-2.33944	0.02047	0.891498
cg04646186	chr15	27215757		0.301903	2.332567	0.020837	0.891498
cg21582780	chr11	59327931		-0.2739	-2.33287	0.020821	0.891498
cg07626366	chr7	40939069		0.322045	2.332663	0.020832	0.891498
cg14412490	chr11	77880406	MYO7A	0.381461	2.334117	0.020753	0.891498
cg02388865	chr1	26737318	CD52;ZNF683	0.292799	2.332074	0.020863	0.891498
cg05233576	chr19	55810285		0.26939	2.331985	0.020868	0.891498
cg25635352	chr3	1.61E+08		0.345443	2.331522	0.020893	0.891498
cg07949433	chr17	75084627	CYGB	-0.19938	-2.3311	0.020916	0.891498
cg00379720	chr19	23185968		0.458913	2.333564	0.020783	0.891498
cg26042514	chr1	1425726		-0.33413	-2.33011	0.02097	0.891498
cg01670862	chr7	64041980		-0.23266	-2.33091	0.020926	0.891498
cg00736201	chr12	1.09E+08	USP30	-0.30033	-2.32748	0.021113	0.891498
cg15898859	chr2	75825250		-0.35766	-2.33884	0.020501	0.891498
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cg13235160	chr7	1.3E+08		-0.16726	-2.33031	0.020959	0.891498
cg23222717	chr6	46462509		-0.25535	-2.33596	0.020655	0.891498
cg09890332	chr17	3212495	RYKP1	-0.32286	-2.32994	0.020979	0.891498
cg05894719	chr11	1989899	NAP1L4;TSPAN32;IGF2;MRPL23;MOB2	-0.36904	-2.32999	0.020976	0.891498
cg04471409	chr6	1.67E+08		-0.25317	-2.33311	0.020808	0.891498
cg15753381	chr1	1.1E+08		-0.22442	-2.33432	0.020742	0.891498
cg08667388	chr13	1.14E+08		-0.27394	-2.33675	0.020613	0.891498
cg19455292	chr2	2.14E+08		-0.30551	-2.33648	0.020627	0.891498
cg08743794	chr6	30656577	TRIM39	-0.25439	-2.32741	0.021116	0.891498
cg08790676	chr17	15686438		0.312946	2.32869	0.021047	0.891498
cg10803829	chr17	7690246		-0.41017	-2.33095	0.020924	0.891498
cg21507985	chr3	1.5E+08		-0.39914	-2.33072	0.020936	0.891498
cg06225242	chr11	1.25E+08		-0.2903	-2.33069	0.020938	0.891498
cg10759983	chr8	52290144		-0.26984	-2.32927	0.021015	0.891498
cg01119278	chr6	1.11E+08		0.503053	2.333469	0.020788	0.891498
cg12152002	chr14	57279496		0.316201	2.333257	0.0208	0.891498
cg20504925	chr10	1.26E+08		-0.35222	-2.33207	0.020864	0.891498
cg11593482	chr3	1.19E+08		0.173626	2.33283	0.020823	0.891498
cg17177995	chr1	70035846		0.439699	2.330358	0.020956	0.891498
cg19563574	chr17	81050693		-0.25005	-2.33476	0.020719	0.891498
cg22749810	chr17	78237389		-0.40545	-2.33355	0.020784	0.891498
cg11953164	chr1	23521307		-0.27082	-2.33269	0.02083	0.891498
cg05917416	chr14	70826434		0.212086	2.33811	0.02054	0.891498

cg03282600	chr3	1.3E+08	PLXND1	-0.31488	-2.33154	0.020892	0.891498
cg12924095	chr5	1.51E+08	ANXA6;SPARC	0.363803	2.329	0.02103	0.891498
cg20743065	chr4	53588673		-0.21665	-2.33714	0.020592	0.891498
cg08765301	chr14	1.05E+08		-0.35116	-2.32614	0.021186	0.891498
cg21428710	chr12	47219797		0.506208	2.328516	0.021056	0.891498
cg07424295	chr10	92980030	HECTD2	0.231136	2.33963	0.020459	0.891498
cg16215387	chr7	1407471		0.387028	2.328277	0.021069	0.891498
cg12153794	chr12	1.15E+08		0.396392	2.327312	0.021122	0.891498
cg23345004	chr18	44526430		0.452204	2.329144	0.021022	0.891498
cg07998951	chr7	1.52E+08		0.286133	2.32904	0.021028	0.891498
cg11855834	chr1	1.17E+08		-0.28195	-2.32994	0.020979	0.891498
cg03392038	chr12	48152951		-0.14361	-2.32922	0.021018	0.891498
cg04271782	chr7	1.05E+08		0.179998	2.330715	0.020937	0.891498
cg08099431	chr15	61346347		0.332984	2.33451	0.020732	0.891498
cg13956443	chr9	1.37E+08		-0.25259	-2.33156	0.020891	0.891498
cg05532108	chr4	2845444		-0.14636	-2.33284	0.020822	0.891498
cg10133630	chr11	10563302		0.297221	2.333755	0.020773	0.891498
cg20154743	chr19	9786077	ENSG00000175898	0.284123	2.334608	0.020727	0.891498
cg06529201	chr17	8028735		0.29895	2.334369	0.02074	0.891498
cg11677966	chr7	63226793		-0.26875	-2.33034	0.020957	0.891498
cg25333257	chr4	41217803		-0.28526	-2.32571	0.021209	0.891541
cg06894146	chr20	62595859		-0.23359	-2.33578	0.020664	0.891498
cg05226729	chr8	11839780	MTMR9	-0.3499	-2.33038	0.020955	0.891498
cg25266888	chr11	2482594		0.242173	2.334117	0.020753	0.891498
cg14239811	chr4	1.71E+08		0.313645	2.333859	0.020767	0.891498

cg21930118	chr5	1.41E+08		0.382609	2.331103	0.020916	0.891498
cg26712188	chr17	26117815	SDF2;RPL23A;RPS7P1;POLDIP2;KIAA0100	-0.28091	-2.32714	0.021131	0.891498
cg05224573	chr2	2.38E+08		-0.3444	-2.32792	0.021089	0.891498
cg03494795	chr9	1.34E+08		0.163531	2.331805	0.020878	0.891498
cg21682382	chr1	32538052		0.233643	2.332042	0.020865	0.891498
cg26006951	chr5	1295988	PDCD6	0.26292	2.330019	0.020975	0.891498
cg04897044	chr11	27236851		-0.26043	-2.33233	0.02085	0.891498
cg23015897	chr19	48103819		-0.19271	-2.32967	0.020994	0.891498
cg00566759	chr18	28682345		-0.3671	-2.3259	0.021199	0.891498
cg18794854	chr12	39300668		0.223171	2.328695	0.021046	0.891498
cg17034331	chr5	77146318	AP3B1	0.282683	2.335241	0.020693	0.891498
cg19426731	chr19	49992527		-0.34092	-2.33279	0.020825	0.891498
cg26697424	chr17	79190828		-0.23888	-2.32734	0.02112	0.891498
cg09556447	chr6	36927100		0.467812	2.325113	0.021242	0.891686
cg00702126	chr1	1369793	SSU72;ANKRD65	0.238026	2.333555	0.020784	0.891498
cg02642123	chr11	31836334		0.25496	2.335957	0.020655	0.891498
cg23931150	chr10	54114224		0.386142	2.327412	0.021116	0.891498
cg10318744	chr14	69282256		-0.34721	-2.33393	0.020764	0.891498
cg21943416	chr4	1.44E+08		0.346884	2.333752	0.020773	0.891498
cg02726819	chr7	1.59E+08		-0.24593	-2.32924	0.021017	0.891498
cg05327187	chr15	25314390		-0.17374	-2.33308	0.020809	0.891498
cg00849570	chr1	3162104	SKI;CEP104	-0.24954	-2.32886	0.021038	0.891498
cg19680388	chr11	1.34E+08		0.222274	2.327622	0.021105	0.891498

cg02004845	chr5	31194156		-0.17295	-2.33046	0.020951	0.891498
cg18255240	chr15	27111993		0.283817	2.326128	0.021186	0.891498
cg04714877	chr7	38217832		-0.17122	-2.32986	0.020983	0.891498
cg06264879	chr6	31827971	PRRT1	0.277503	2.331763	0.02088	0.891498
cg01688141	chr8	23539808		-0.20256	-2.3302	0.020965	0.891498
cg11778362	chr4	1.84E+08		0.27527	2.331475	0.020896	0.891498
cg21769619	chr11	32454768		0.215905	2.327565	0.021108	0.891498
cg11378619	chr6	12164359		-0.29414	-2.32801	0.021084	0.891498
cg04369291	chr6	1.37E+08		0.16037	2.329087	0.021025	0.891498
cg14978307	chr7	1.55E+08		0.18336	2.327123	0.021132	0.891498
cg17812788	chr17	40333009	KRT19;JUP;KRT13;PSME3	0.263767	2.333637	0.020779	0.891498
cg10699852	chr3	1.96E+08		-0.33073	-2.32921	0.021018	0.891498
cg24776407	chr11	69061634	ANO1;TPCN2;MTL5	0.311905	2.338973	0.020494	0.891498
cg02089014	chr2	925838		-0.25305	-2.3309	0.020927	0.891498
cg25116388	chr17	46692422		0.403251	2.329784	0.020987	0.891498
cg00343414	chr11	1.09E+08		0.386084	2.33234	0.020849	0.891498
cg07593342	chr6	43624980	NFKBIE;TBCC;RRP36;MRPL14;MAD2L1BP	-0.18785	-2.32966	0.020994	0.891498
cg25044524	chr17	20058819		0.362672	2.342274	0.02032	0.891498
cg07947549	chr10	53459378	ASAH2B	0.215413	2.33054	0.020946	0.891498
cg11261850	chr11	76320970		-0.31489	-2.32588	0.0212	0.891498
cg00561634	chr16	54085398	FTO;IRX3;CRNDE;IRX5;FTO-IT1	0.339436	2.329468	0.021004	0.891498

cg23529699	chr12	83079969		0.197213	2.325506	0.02122	0.891541
cg20965255	chr17	37607625		0.145206	2.333318	0.020796	0.891498
cg02515033	chr7	2205283		0.30967	2.3317	0.020884	0.891498
cg07263984	chr5	1.15E+08		0.300102	2.329008	0.021029	0.891498
cg07697981	chr19	58125678		0.234385	2.329879	0.020982	0.891498
cg14369780	chr7	1.55E+08		-0.24628	-2.32945	0.021005	0.891498
cg03243497	chr6	31620040		0.231529	2.328659	0.021048	0.891498
cg12913832	chr14	23250215	REM2	-0.22321	-2.32765	0.021103	0.891498
cg18099070	chr7	1.58E+08	ENSG00000231980	-0.43624	-2.33074	0.020936	0.891498
cg25141894	chr1	1.15E+08		0.365334	2.333756	0.020773	0.891498
cg03771840	chr6	30140145		0.320877	2.328006	0.021084	0.891498
cg04701473	chr1	1.61E+08		-0.18101	-2.3268	0.02115	0.891498
cg06593715	chr3	42814427		0.412946	2.329668	0.020994	0.891498
cg18803535	chr1	92015933		0.271231	2.32836	0.021065	0.891498
cg08419873	chr13	27296010		0.539971	2.32709	0.021134	0.891498
cg19167507	chr6	32764867	DAXX	-0.21934	-2.33009	0.02097	0.891498
cg03801946	chr16	4303664		-0.2745	-2.32937	0.02101	0.891498
cg20844146	chr6	1.26E+08		-0.31379	-2.32883	0.021039	0.891498
cg02606058	chr16	67195658	CES3;RLTPR	0.416147	2.331006	0.020921	0.891498
cg06595595	chr18	11751352		0.231149	2.331175	0.020912	0.891498
cg18349281	chr19	4944398		-0.22223	-2.32705	0.021136	0.891498
cg08551547	chr10	82619196	ENSG00000235858	-0.21121	-2.32708	0.021135	0.891498
cg25612183	chr2	39893438		0.252706	2.329861	0.020983	0.891498
cg02197938	chr17	65363257		-0.35596	-2.32628	0.021178	0.891498
cg12639558	chr12	1.22E+08		0.195566	2.328384	0.021063	0.891498

cg03897860	chr5	1.4E+08		0.500301	2.323767	0.021316	0.8922
cg08132940	chr7	1081526		-0.31372	-2.33033	0.020958	0.891498
cg21754837	chr6	1.66E+08		-0.34359	-2.32604	0.021191	0.891498
cg14314653	chr6	1.06E+08		-0.16486	-2.3301	0.02097	0.891498
cg09312149	chr5	1.15E+08		0.252633	2.32932	0.021012	0.891498
cg06878108	chr14	1.05E+08	ENSG00000260285	-0.33114	-2.3277	0.021101	0.891498
cg03767475	chr19	18902727		0.233236	2.324638	0.021268	0.892034
cg19532454	chr3	46876354		0.240455	2.329067	0.021026	0.891498
cg04764907	chr10	1.27E+08		0.283755	2.326297	0.021177	0.891498
cg14606586	chr10	1.25E+08		0.508614	2.329309	0.021013	0.891498
cg07602659	chr17	80844196	WDR45B;PCYT2;TBCD	0.279828	2.334821	0.020716	0.891498
cg07343335	chr1	1.08E+08		0.302048	2.336146	0.020645	0.891498
cg13302217	chr16	88601529	RNF166;ENSG00000261226;PIEZO1;CBFA2T3	-0.21466	-2.33067	0.020939	0.891498
cg06217450	chr3	1.42E+08		-0.29229	-2.33207	0.020863	0.891498
cg24414344	chr17	39019556	FKBP10;IGFBP4;NT5C3B;LEPREL4;GSDMB	0.368714	2.331172	0.020912	0.891498
cg25390656	chr10	92980550		-0.2134	-2.32628	0.021178	0.891498
cg03586128	chr13	1.13E+08		-0.26447	-2.32752	0.02111	0.891498
cg27532318	chr7	32358331		0.439321	2.328583	0.021052	0.891498
cg10914555	chr10	99531645		0.342795	2.338158	0.020537	0.891498
cg15202006	chr8	68658566		-0.33642	-2.32786	0.021092	0.891498
cg21477262	chr12	22777430		0.261526	2.3278	0.021095	0.891498

cg10139151	chr6	29549352		-0.21888	-2.32808	0.02108	0.891498
cg07673103	chr8	74277181		0.210244	2.331369	0.020901	0.891498
cg09347578	chr7	6584987		0.216674	2.329303	0.021013	0.891498
cg18907495	chr17	53828548		0.204717	2.329553	0.021	0.891498
cg23097826	chr5	1.5E+08		-0.41754	-2.33485	0.020714	0.891498
cg26509731	chr6	80578590		0.388868	2.332568	0.020837	0.891498
ch.6.107578927F	chr6	1.07E+08	SCML4;PRDM1	-0.24782	-2.34373	0.020243	0.891498
cg02218394	chr12	53694018		-0.2795	-2.32654	0.021164	0.891498
cg09641089	chr15	25021305		-0.33265	-2.32595	0.021196	0.891498
cg20461912	chr3	1.39E+08	MRAS	0.197134	2.331397	0.0209	0.891498
cg27070372	chr19	3123291		-0.21651	-2.32536	0.021228	0.891668
cg03242360	chr19	46010633		-0.1471	-2.32858	0.021053	0.891498
cg27440715	chr1	1.65E+08		0.314221	2.326716	0.021154	0.891498
cg16347359	chr16	56764344		-0.19882	-2.32721	0.021128	0.891498
cg02386665	chr5	53432372		0.393155	2.327777	0.021096	0.891498
cg02175033	chr14	70098523	GALNT16;ENSG00000242941;ENSG00000245466;COX16;KIAA0247;ENSG00000258623	0.327417	2.334046	0.020757	0.891498
cg00258499	chr1	5920035		-0.23565	-2.32505	0.021246	0.891686
cg06152586	chr7	1.58E+08	VIPR2	-0.72074	-2.32388	0.021309	0.8922
cg18208602	chr18	10488229		-0.32964	-2.33185	0.020876	0.891498
cg24890023	chr2	61764444		0.276651	2.327298	0.021122	0.891498
cg27603720	chr17	25807344		0.234158	2.321593	0.021436	0.892531

cg13037118	chr11	66743220		-0.21762	-2.32438	0.021282	0.892034
cg06725798	chr3	1.29E+08	PLXND1;COPG1;RPN1;ENSG00000203644	-0.32119	-2.32665	0.021158	0.891498
cg09791440	chr1	19048903		0.360923	2.323445	0.021333	0.8922
cg02415297	chr1	3553416		-0.28025	-2.32805	0.021081	0.891498
cg21608225	chr1	1.45E+08	LIX1L	0.388648	2.328225	0.021072	0.891498
cg00118966	chr1	1.57E+08		0.294378	2.323519	0.021329	0.8922
cg25312636	chr6	33141678	TAP2;PSMB8;TAP1	-0.2922	-2.32437	0.021283	0.892034
cg04048249	chr11	1.17E+08		-0.20904	-2.32639	0.021172	0.891498
cg22315928	chr3	1.23E+08	PARP15;PARP14;PARP9	-0.31424	-2.32324	0.021345	0.8922
cg14557390	chr15	41783457		0.2304	2.328021	0.021083	0.891498
cg00350199	chr11	67418213		-0.26679	-2.32771	0.0211	0.891498
cg06212471	chr4	72458478		-0.29977	-2.32553	0.021219	0.891541
cg15203028	chr11	1029188	TSPAN4;TALDO1;ENSG00000251661;MUC5AC;PKP3;RASSF7	-0.36594	-2.33195	0.02087	0.891498
cg03828109	chr17	3600356		0.201454	2.324062	0.0213	0.8922
cg04728290	chr14	72887678		0.316844	2.327822	0.021094	0.891498
cg04466273	chr12	64845556		-0.25116	-2.32477	0.021261	0.89197
cg06044662	chr16	30386144		-0.22808	-2.32686	0.021147	0.891498
cg15536489	chr7	1120860		-0.22	-2.32562	0.021214	0.891541
cg15565065	chr17	46655476		0.243756	2.331648	0.020886	0.891498

cg10493075	chr14	1.01E+08	DEGS2;EML1;MEG3;MEG8;ENSG0000271417;HHIPL1;CCDC85C;BEGAIN;ENSG0000225746;RTL1;BCL11B;SLC25A29;WARS;WDR25	0.385083	2.341923	0.020338	0.891498
cg03720605	chr6	1.34E+08		-0.41148	-2.33371	0.020776	0.891498
cg12927753	chr3	1.61E+08		0.284796	2.330733	0.020936	0.891498
cg14608180	chr9	1.4E+08	FAM166A	-0.21972	-2.32615	0.021185	0.891498
cg14241662	chr17	7199284	NLGN2;BCL6B;VAMP2;CTC1;ALOX12P2;MIR497HG;SLC2A4;ENSG0000263316;KIAA0753;PFAS	0.346385	2.322041	0.021411	0.8922
cg12127282	chr2	1.77E+08		0.319073	2.325948	0.021196	0.891498
cg11097249	chr5	1.67E+08		0.269034	2.324478	0.021277	0.892034
cg04056343	chr16	7137080		-0.26464	-2.32267	0.021376	0.8922
cg17376730	chr19	2096346		-0.19013	-2.32728	0.021123	0.891498
cg08051964	chr15	25330341		-0.19411	-2.32505	0.021245	0.891686
cg15174682	chr19	5132063	SEMA6B;TICAM1	0.269362	2.32603	0.021192	0.891498
cg10529760	chr5	1.37E+08	GFRA3	-0.26165	-2.32185	0.021422	0.892326
cg07352054	chr7	1.57E+08	DNAJB6	-0.56648	-2.3269	0.021144	0.891498
cg06719873	chr12	70133599	CPSF6	0.36605	2.326745	0.021153	0.891498

cg02501186	chr17	72869935		0.205719	2.333765	0.020772	0.891498
cg24557917	chr4	1.66E+08	CPE	-0.32859	-2.33542	0.020684	0.891498
cg15639659	chr5	1.63E+08		-0.33857	-2.3223	0.021396	0.8922
cg08597019	chr16	89900495	SPIRE2;CBFA2T3	-0.66021	-2.32688	0.021145	0.891498
cg16027310	chr11	48019123		0.272914	2.326728	0.021154	0.891498
cg25510609	chr15	86233236		0.264231	2.328694	0.021046	0.891498
cg04862314	chr1	27692533		-0.18088	-2.32329	0.021342	0.8922
cg18326021	chr10	1.06E+08		0.323659	2.32577	0.021206	0.891541
cg24099592	chr6	1397401		-0.19851	-2.31999	0.021524	0.892892
cg01882498	chr4	83934956		-0.46598	-2.32552	0.02122	0.891541
cg09992350	chr7	1.58E+08		-0.49357	-2.32789	0.02109	0.891498
cg23620228	chr1	1.98E+08		-0.21191	-2.32548	0.021222	0.891541
cg00294940	chr1	48687524		-0.20862	-2.33616	0.020644	0.891498
cg25700848	chr6	7911417		0.307001	2.330105	0.02097	0.891498
cg26344392	chr1	1.68E+08		-0.39655	-2.31814	0.021627	0.892892
cg04099036	chr17	80819208		-0.3994	-2.32436	0.021283	0.892034
cg20840778	chr17	79842807		0.2058	2.323299	0.021342	0.8922
cg08981777	chr19	48497737		0.350455	2.326854	0.021147	0.891498
cg21342994	chr2	68251599		-0.52259	-2.32242	0.02139	0.8922
cg16649375	chr11	5535624	CNGA4;ARFIP2;TIMM10B;TRIM5;TRIM68;APBB1	-0.19912	-2.32675	0.021152	0.891498
cg02352181	chr2	74058083	DQX1;MTHFD2;STAMBP	-0.42466	-2.32177	0.021426	0.892427
cg16189953	chr18	76674571		0.534763	2.319833	0.021533	0.892892

cg05193211	chr8	82633727		0.316113	2.32875	0.021043	0.891498
cg27490568	chr2	1.78E+08		-0.56806	-2.32485	0.021257	0.89197
cg00420997	chr8	29607076		0.345286	2.328507	0.021057	0.891498
cg02815320	chr7	1.39E+08		-0.20591	-2.32425	0.021289	0.892034
cg04451564	chr3	1.86E+08	RFC4	-0.24282	-2.32357	0.021327	0.8922
cg09921392	chr16	88763929		0.328081	2.32601	0.021193	0.891498
cg14615440	chr1	14220122		-0.26237	-2.32468	0.021266	0.892034
cg20118840	chr11	1.2E+08	MCAM;CBL	-0.33121	-2.32374	0.021317	0.8922
cg18530729	chr8	30514814		0.230688	2.324929	0.021252	0.891868
cg05123976	chr17	45949677	HOXB3;ITGB3;HOXB6	-0.23385	-2.32243	0.02139	0.8922
cg11009736	chr2	1.2E+08	ENSG00000163075;STEAP3;STEAP3-AS1;ENSG00000229326;TMEM37	-0.41182	-2.32152	0.021439	0.892531
cg12158535	chr14	1.06E+08		-0.22313	-2.32421	0.021292	0.892044
cg17470674	chr5	1702470		0.445735	2.325892	0.021199	0.891498
cg18781133	chr17	66031513		0.182768	2.325492	0.021221	0.891541
cg24170415	chr4	1.86E+08		0.201233	2.320494	0.021496	0.892849
cg15607672	chr14	57277227		0.369075	2.326462	0.021168	0.891498
cg03002428	chr4	1.74E+08		-0.23493	-2.3303	0.020959	0.891498
cg13638257	chr6	33280436		0.330258	2.322553	0.021383	0.8922
cg07758738	chr18	12911528		0.329676	2.319779	0.021536	0.892892
cg19607092	chr19	38904860	ENSG00000229481	0.24347	2.32328	0.021343	0.8922
cg16542283	chr4	76439453		-0.20038	-2.32922	0.021018	0.891498

cg19580930	chr5	1.15E+08		-0.384	-2.31958	0.021547	0.892892
cg24663970	chr13	97647084		-0.35675	-2.32646	0.021168	0.891498
cg13378563	chr2	95978247	PROM2	-0.23995	-2.32268	0.021376	0.8922
cg11884230	chr6	1.17E+08		-0.19958	-2.32725	0.021125	0.891498
cg12017722	chr15	89181425	MFGE8;ABHD2;KIF7;NTRK3;ISG20;HAPLN3	-0.38685	-2.327	0.021139	0.891498
cg11601523	chr5	2756361		-0.22148	-2.32104	0.021466	0.8927
cg04014105	chr6	1.11E+08		0.21509	2.327584	0.021107	0.891498
cg07149296	chr20	36889389		0.356657	2.328629	0.02105	0.891498
cg00464519	chr9	37034655		0.26888	2.326614	0.02116	0.891498
cg07528349	chr7	1.5E+08		-0.17226	-2.3212	0.021457	0.892672
cg02202411	chr5	6338418	SRD5A1;NSUN2;ENSG00000272520	-0.4569	-2.32135	0.021449	0.892605
cg10063753	chr10	1.21E+08	CASC2	-0.1731	-2.33192	0.020872	0.891498
cg05157140	chr7	1272545		0.455295	2.322166	0.021404	0.8922
cg14078730	chr11	63896557		-0.17762	-2.32201	0.021412	0.8922
cg05221720	chr6	70991229	C6orf57	0.358259	2.321411	0.021446	0.892545
cg09175221	chr16	51973520		-0.31412	-2.32816	0.021076	0.891498
cg04156729	chr2	2.41E+08		0.35544	2.3261	0.021188	0.891498
cg19245616	chr19	18319787		0.255114	2.320444	0.021499	0.892849
cg00535027	chr4	8593933		-0.22142	-2.31719	0.02168	0.893128
cg04798273	chr14	1E+08		0.219187	2.319946	0.021527	0.892892
cg00400832	chr7	96650323		0.355694	2.32158	0.021436	0.892531
cg14105018	chr9	1.32E+08		0.310118	2.326439	0.021169	0.891498

cg04812017	chr14	95660504		-0.23017	-2.31937	0.021558	0.892892
cg24035245	chr1	1.2E+08	ZNF697	0.334697	2.322257	0.021399	0.8922
cg17047890	chr3	99567697		-0.24804	-2.31808	0.02163	0.892892
cg06653141	chr5	36745541		0.279956	2.320363	0.021504	0.892874
cg17491759	chr6	1.01E+08		0.3806	2.327485	0.021112	0.891498
cg11195002	chr19	10399805		-0.2654	-2.31804	0.021633	0.892892
ch.1.3439660F	chr1	1.76E+08		0.329076	2.320432	0.0215	0.892849
cg08191530	chr19	17927333		-0.21627	-2.31893	0.021583	0.892892
cg19860459	chr17	80352319	DCXR	0.254674	2.322995	0.021358	0.8922
cg13762676	chr7	98545991		0.301397	2.321424	0.021445	0.892545
cg16362587	chr1	3812878		-0.21517	-2.31728	0.021675	0.893128
cg05965417	chr12	9102994	CD69	0.438712	2.322736	0.021373	0.8922
cg27450167	chr2	1.35E+08		-0.39802	-2.32272	0.021374	0.8922
ch.9.1678974F	chr9	1.12E+08		0.362402	2.322073	0.021409	0.8922
cg17379345	chr11	5067927		0.439081	2.322754	0.021372	0.8922
cg06882971	chr20	23346416		-0.35851	-2.32454	0.021273	0.892034
cg25362169	chr19	18237920		-0.27168	-2.31893	0.021583	0.892892
cg26172907	chr11	64851495		-0.14316	-2.31876	0.021593	0.892892
cg25618149	chr14	78227574		-0.28005	-2.32209	0.021408	0.8922
cg04822759	chr7	1.49E+08		0.222408	2.319272	0.021564	0.892892
cg02060465	chr1	1.53E+08	S100A16;S100A14;S100A2;S100A9;S100A3;S100A8;S100A10	-0.28731	-2.32524	0.021235	0.891671
cg01963933	chr16	10723613		-0.2287	-2.31793	0.021639	0.892892

cg02647874	chr11	47380751	MYBPC3	-0.25219	-2.32435	0.021284	0.892034
cg05380741	chr3	58291844		-0.15321	-2.32621	0.021182	0.891498
cg05304553	chr1	1.54E+08	S100A16	-0.28796	-2.32233	0.021395	0.8922
cg03528302	chr1	1104399	RNF223	0.280634	2.319455	0.021554	0.892892
cg12026529	chr6	99128672		-0.31659	-2.31978	0.021536	0.892892
cg26504274	chr11	2485409		0.259301	2.325852	0.021201	0.891498
cg26433445	chr16	81764289		0.226456	2.319917	0.021528	0.892892
cg03408893	chr10	15130909		0.20292	2.324253	0.021289	0.892034
cg07916022	chr2	1.33E+08		0.701096	2.323868	0.02131	0.8922
cg12309456	chr17	74475402		-0.27342	-2.32107	0.021465	0.8927
cg17683908	chr10	1.06E+08		-0.27404	-2.31926	0.021565	0.892892
cg01991234	chr19	16013809	ENSG00000267056;CYP4F11	-0.43364	-2.32281	0.021368	0.8922
cg16145915	chr7	1198662	ZFAND2A;ENSG00000229043	-0.41948	-2.31898	0.021581	0.892892
cg04392387	chr2	3502446		-0.36363	-2.3221	0.021408	0.8922
cg05736079	chr9	1.4E+08		0.34315	2.32793	0.021088	0.891498
cg06844936	chr12	1.21E+08		0.266679	2.322805	0.021369	0.8922
cg07288869	chr11	45826537		-0.13603	-2.31826	0.021621	0.892892
cg16658099	chr17	30593805		0.164889	2.322466	0.021387	0.8922
cg10841673	chr20	49575318		-0.33802	-2.3227	0.021375	0.8922
cg05972316	chr5	1204924		0.27513	2.322121	0.021406	0.8922
cg06737926	chr6	33363179		0.185643	2.321591	0.021436	0.892531
cg17761410	chr7	1.48E+08		-0.27012	-2.31961	0.021545	0.892892
cg00599702	chr1	30584352		0.208307	2.319378	0.021558	0.892892

cg02278768	chr15	89910632		0.274468	2.318126	0.021628	0.892892
cg06081609	chr6	1.49E+08		0.188118	2.321302	0.021452	0.892611
cg08496998	chr7	5822206	RSPH10B	0.259874	2.320631	0.021489	0.892849
cg18833994	chr5	34535730		-0.32824	-2.32626	0.021179	0.891498
cg21244990	chr7	1.58E+08		-0.26356	-2.32062	0.021489	0.892849
cg22224313	chr1	45241523		0.181573	2.318126	0.021628	0.892892
cg12318152	chr13	52435351		0.37195	2.319475	0.021553	0.892892
cg24828811	chr3	1.2E+08		-0.28175	-2.31917	0.02157	0.892892
cg12331743	chr10	1.04E+08		-0.17748	-2.32373	0.021318	0.8922
cg09444358	chr8	6932793		0.280003	2.325126	0.021241	0.891686
cg05932791	chr6	43138394		0.153588	2.321897	0.021419	0.892298
cg13207702	chr1	9005055		-0.18959	-2.32081	0.021479	0.892806
cg22535729	chr8	55533955		0.790489	2.316627	0.021711	0.893474
cg00187692	chr13	52199954	NEK5	0.462269	2.330389	0.020955	0.891498
cg00410106	chr2	2.07E+08		0.443613	2.320565	0.021492	0.892849
cg03586390	chr11	64428252	LTBP3;VEGFB;OTUB1	-0.46261	-2.32215	0.021405	0.8922
cg01620849	chr17	48637348		-0.22606	-2.32457	0.021272	0.892034
cg04032071	chr12	54376241		0.198752	2.321269	0.021453	0.892611
cg11035730	chr14	1.05E+08	ENSG00000260285;C14orf79;KIF26A;INF2	-0.45851	-2.32634	0.021175	0.891498
cg14118175	chr13	94152384	DCT	-0.45786	-2.32011	0.021518	0.892892
cg14157213	chr7	1.07E+08		-0.19121	-2.32545	0.021223	0.891541
cg26175649	chr6	34919755		0.259562	2.323768	0.021316	0.8922
cg17732597	chr6	30689710		-0.20022	-2.32273	0.021373	0.8922

cg06894134	chr6	85476921		0.240627	2.319005	0.021579	0.892892
cg16378215	chr1	1.5E+08		-0.20568	-2.32104	0.021466	0.8927
cg20537629	chr7	79083944		0.286931	2.319212	0.021567	0.892892
cg05258477	chr6	1.7E+08		-0.16065	-2.32396	0.021305	0.8922
cg20317123	chr6	1.34E+08	TCF21;TBPL1	0.374301	2.31949	0.021552	0.892892
cg13677144	chr19	57683885		0.314856	2.323069	0.021354	0.8922
cg24270182	chr8	9046418	TNKS	-0.22883	-2.31786	0.021643	0.892892
cg11130223	chr11	538851		0.322588	2.320975	0.02147	0.8927
cg17713376	chr6	27525713		0.355422	2.320744	0.021483	0.892849
cg06829266	chr16	446668		0.19885	2.316299	0.02173	0.893474
cg18103097	chr17	35414317		-0.37835	-2.31809	0.02163	0.892892
cg26948907	chr16	86602471		0.166217	2.317674	0.021653	0.892917
cg14521115	chr9	1.04E+08		-0.29028	-2.31842	0.021612	0.892892
cg20910202	chr8	1922810		-0.34741	-2.31657	0.021715	0.893474
cg02563952	chr6	31707803		-0.1713	-2.32255	0.021383	0.8922
cg05384887	chr13	83371464		-0.31392	-2.32616	0.021185	0.891498
cg01238991	chr8	99076314	LAPTM4B;C8orf47	0.359608	2.321546	0.021438	0.892531
cg18805892	chr1	1.61E+08	ATP1A2;USF1;FCGR3B	0.346428	2.318422	0.021611	0.892892
cg18140479	chr4	725095	SLBP	-0.25495	-2.32916	0.021021	0.891498
cg04603166	chr11	1.34E+08	THYN1	-0.27609	-2.31798	0.021636	0.892892
cg14804593	chr4	1.89E+08		0.901595	2.32573	0.021208	0.891541
cg26823162	chr19	55792075		0.419853	2.322291	0.021397	0.8922
cg00891599	chr11	1.19E+08		-0.30626	-2.32197	0.021415	0.892223
cg19380370	chr1	36638232		0.269896	2.317755	0.021649	0.892915

cg09278283	chr4	36376970		0.324577	2.318059	0.021632	0.892892
cg01327147	chr9	34371380	UNC13B;STOML2;NOL6;VCP	0.288764	2.31763	0.021655	0.892933
cg07998558	chr7	1.51E+08	RHEB	-0.20502	-2.32015	0.021516	0.892892
cg14473016	chr22	35937495		0.373754	2.316456	0.021721	0.893474
cg04008888	chr11	68622739		-0.15556	-2.3252	0.021237	0.891686
cg11108893	chr3	1.43E+08		0.371333	2.318533	0.021605	0.892892
cg00421624	chr1	1.54E+08	SHE;TDRD10;NPR1;ATP8B2;S100A6;S100A9	-0.40856	-2.31953	0.02155	0.892892
cg09967192	chr8	1153004		-0.4809	-2.31524	0.021789	0.893614
cg03858756	chr2	1.77E+08		0.341479	2.324039	0.021301	0.8922
cg23742669	chr18	13642414		0.292692	2.324544	0.021273	0.892034
cg17022328	chr15	77712738		0.230582	2.319243	0.021566	0.892892
cg00347247	chr12	1.22E+08	OASL	-0.2268	-2.3179	0.02164	0.892892
cg22682154	chr19	57683164	ZNF805	0.503974	2.317853	0.021643	0.892892
cg24215459	chr4	1.22E+08		-0.44118	-2.31913	0.021572	0.892892
cg16211990	chr12	91763848		-0.24755	-2.3222	0.021402	0.8922
cg22686022	chr17	61851232		-0.24804	-2.32277	0.021371	0.8922
cg06314570	chr1	1.61E+08	FCER1G;COPA	-0.22268	-2.31575	0.02176	0.893474
cg10951933	chr12	1970170		0.264297	2.325282	0.021233	0.891668
cg17313118	chr5	1.27E+08		-0.33741	-2.3187	0.021596	0.892892
cg25770176	chr10	91405685		0.276141	2.32101	0.021468	0.8927
cg19270409	chr8	1430753	TDRP	-0.32961	-2.31871	0.021595	0.892892
cg26729669	chr17	79108296		-0.22391	-2.31727	0.021676	0.893128

cg11048082	chr11	11177935		-0.30612	-2.31637	0.021726	0.893474
cg27464490	chr7	92218972		0.209424	2.319926	0.021528	0.892892
cg22579028	chr22	27056901		-0.36043	-2.32048	0.021497	0.892849
cg09379755	chr3	62861925		0.291177	2.318319	0.021617	0.892892
cg05150362	chr15	80787687		0.229777	2.323676	0.021321	0.8922
cg14017655	chr6	1.34E+08		0.23004	2.318488	0.021608	0.892892
cg12283393	chr11	1874445	LSP1;IGF2	-0.43354	-2.31784	0.021644	0.892892
cg05992726	chr12	41967396		-0.25217	-2.32675	0.021152	0.891498
cg10400081	chr11	76299682	LRRC32;MYO7A	0.433615	2.322618	0.021379	0.8922
cg19656282	chr2	74742786		0.37858	2.314993	0.021803	0.893614
cg16411279	chr5	54826768		0.293909	2.325287	0.021232	0.891668
cg01962428	chr4	1.08E+08		0.215296	2.326871	0.021146	0.891498
cg02794696	chr17	46758520	TTLL6;LRRC46	-0.26309	-2.3175	0.021663	0.893128
cg11255163	chr16	68771200		-0.24911	-2.31717	0.021681	0.893128
cg09486406	chr2	2.42E+08	FARP2	0.342872	2.315047	0.0218	0.893614
cg17294725	chr7	1272559		0.284592	2.316125	0.021739	0.893474
cg10224098	chr1	44873229		0.213954	2.316262	0.021732	0.893474
cg18855104	chr2	45181829		-0.26518	-2.31796	0.021637	0.892892
cg03464176	chr9	1.4E+08		0.249735	2.326423	0.02117	0.891498
cg13855666	chr13	68343971		-0.29653	-2.32057	0.021492	0.892849
cg22768296	chr6	4954316		0.301048	2.322234	0.0214	0.8922
cg07328664	chr2	2.33E+08	ARMC9;NGEF	0.31362	2.31545	0.021777	0.893474
cg02746725	chr2	1.77E+08		0.225134	2.314829	0.021812	0.893614
cg02388276	chr6	1.71E+08		-0.27115	-2.31596	0.021749	0.893474
cg24320242	chr17	100278		-0.24436	-2.31397	0.021861	0.893665

cg17806907	chr2	2.28E+08		-0.1818	-2.31941	0.021556	0.892892
cg06915667	chr3	1.28E+08		-0.35837	-2.31277	0.021928	0.893665
cg09955730	chr1	93646783		0.382332	2.317191	0.02168	0.893128
cg27400644	chr1	27248126		-0.16684	-2.31562	0.021768	0.893474
ch.4.129498779F	chr4	1.29E+08		-0.27526	-2.31642	0.021723	0.893474
cg03152037	chr3	50334461		0.223992	2.319367	0.021559	0.892892
cg24322638	chr6	30524987		-0.16303	-2.31845	0.02161	0.892892
cg12078229	chr19	19245687		0.213533	2.322107	0.021407	0.8922
cg19301206	chr2	27712691		0.145653	2.318992	0.02158	0.892892
cg25554740	chr10	1.35E+08		-0.22525	-2.319	0.021579	0.892892
cg06801384	chr13	1.13E+08		-0.32319	-2.32774	0.021098	0.891498
cg05407825	chr18	2571088		-0.17719	-2.31641	0.021723	0.893474
cg06243675	chr8	11801365		-0.28249	-2.31835	0.021615	0.892892
cg22757824	chr13	1.11E+08		0.317147	2.314578	0.021826	0.893665
cg22721998	chr13	1.11E+08		0.527729	2.315501	0.021774	0.893474
cg01405040	chr2	1.77E+08		0.316538	2.324259	0.021289	0.892034
cg06943309	chr1	1.63E+08		-0.37017	-2.31769	0.021652	0.892917
cg00523812	chr7	1.3E+08		0.165544	2.313463	0.021889	0.893665
cg23939001	chr4	940644		0.410569	2.32384	0.021312	0.8922
cg22027408	chr19	12902453	MAN2B1	-0.15951	-2.31887	0.021586	0.892892
cg12616766	chr1	2.05E+08		-0.26392	-2.31563	0.021767	0.893474
cg17510003	chr11	1.32E+08		0.292287	2.316227	0.021734	0.893474
cg26900781	chr4	47038032		-0.25261	-2.31486	0.02181	0.893614
cg19584864	chr3	1.5E+08		0.213002	2.315721	0.021762	0.893474
cg09940861	chr14	1.01E+08		-0.29289	-2.32236	0.021393	0.8922

cg05917988	chr6	44281197	NFKBIE;SLC29A1	0.232553	2.318761	0.021593	0.892892
cg16345507	chr14	1.03E+08		0.127606	2.315466	0.021776	0.893474
cg27459437	chr20	37464594		-0.45964	-2.31132	0.02201	0.893665
cg26451547	chr11	36397596		-0.21469	-2.32082	0.021478	0.892806
cg21140353	chr5	1.79E+08		0.235567	2.317947	0.021638	0.892892
cg25012529	chr13	1.14E+08	RASA3	0.28629	2.330028	0.020974	0.891498
cg21875096	chr4	4253223		0.278742	2.315507	0.021774	0.893474
cg20460253	chr4	1.71E+08		-0.2107	-2.31722	0.021678	0.893128
cg13096307	chr22	20747254		-0.32741	-2.31589	0.021753	0.893474
cg16340516	chr20	25371408		0.164199	2.317322	0.021673	0.893128
cg14403741	chr12	1.26E+08	LINC00939;BRI3BP	-0.4937	-2.31831	0.021617	0.892892
cg21535366	chr12	1.08E+08	CMKLR1	0.236903	2.319304	0.021562	0.892892
cg12854483	chr19	11649671		0.28074	2.31288	0.021922	0.893665
cg15032897	chr19	16219947		-0.27571	-2.31836	0.021615	0.892892
cg07341907	chr9	35161971	CCL21	-0.24712	-2.31607	0.021742	0.893474
cg10432422	chr1	17475819		0.30284	2.31381	0.021869	0.893665
cg15265785	chr3	1.57E+08	SSR3	-0.17386	-2.31281	0.021926	0.893665
cg21596825	chr2	3818723		-0.28017	-2.31339	0.021893	0.893665
cg18360111	chr11	36340262	SLC1A2;C11orf74;PAMR1;RAG2	0.381006	2.324772	0.021261	0.89197
cg06131879	chr3	51909122	GNL3;MANF;POC1A	-0.23214	-2.32149	0.021441	0.892531
cg23492399	chr5	1.02E+08		0.406635	2.320916	0.021473	0.892728
cg18109320	chr5	87985809		0.383841	2.309506	0.022112	0.893665
cg14883106	chr14	1.06E+08		-0.27698	-2.31438	0.021838	0.893665

cg13853217	chr12	57057978		0.279009	2.316204	0.021735	0.893474
cg26515755	chr16	15878612		-0.34302	-2.31257	0.021939	0.893665
cg14009731	chr2	24150123		-0.13757	-2.31608	0.021742	0.893474
cg01367328	chr7	162351		-0.31253	-2.31394	0.021862	0.893665
cg01663696	chr12	7942817	PTPN6	0.365572	2.31356	0.021883	0.893665
cg02685032	chr20	60498717		-0.256	-2.31124	0.022014	0.893665
cg07021181	chr11	1.23E+08		0.32536	2.316427	0.021723	0.893474
cg11989674	chr2	1.75E+08		-0.25073	-2.31548	0.021775	0.893474
cg19267253	chr7	19750896		-0.29744	-2.31652	0.021717	0.893474
cg02842869	chr17	79921131	CD7;SECTM1	-0.19058	-2.31372	0.021874	0.893665
cg09862914	chr1	2.31E+08		0.321579	2.315702	0.021763	0.893474
cg23825057	chr12	1.24E+08		0.250076	2.31621	0.021735	0.893474
cg02176407	chr6	99282754		-0.22267	-2.31733	0.021672	0.893128
cg27573841	chr1	23038177		-0.37796	-2.31677	0.021704	0.893474
cg13570892	chr15	45449437	DUOXA1;DUOX1;GATM;DUOX2	-0.73308	-2.31253	0.021941	0.893665
cg05060085	chr2	672793		-0.38424	-2.31958	0.021547	0.892892
cg12828462	chr11	1.32E+08		0.354943	2.309837	0.022094	0.893665
cg19285688	chr4	80994605		0.310316	2.319685	0.021541	0.892892
cg10041950	chr10	557936		0.364174	2.315771	0.021759	0.893474
cg06074256	chr6	30684939		0.182712	2.314673	0.021821	0.893665
cg10947146	chr8	11058710		0.395921	2.314596	0.021825	0.893665
cg00361025	chr7	39451576		0.303172	2.310533	0.022054	0.893665
cg14078162	chr2	1.05E+08		0.41655	2.310952	0.022031	0.893665
cg26224060	chr5	94957243		0.267607	2.313019	0.021914	0.893665

cg10202826	chr16	4304191		-0.18643	-2.31157	0.021996	0.893665
cg14101357	chr10	1.03E+08		0.270178	2.313423	0.021891	0.893665
cg08363673	chr5	1.26E+08		-0.27126	-2.31463	0.021823	0.893665
cg27135915	chr10	1.35E+08	FUOM	-0.33818	-2.31502	0.021801	0.893614
cg03465861	chr15	76630660		0.248116	2.310742	0.022042	0.893665
cg03066788	chr8	28175285		-0.32065	-2.31187	0.021978	0.893665
cg23279503	chr8	35649016		-0.48039	-2.31562	0.021768	0.893474
cg14835423	chr22	20748341		-0.20004	-2.31105	0.022025	0.893665
cg05574053	chr16	85517371	FENDRR;FAM92B;KIAA0513;CRISPLD2;USP10;C16orf74	0.536808	2.310533	0.022054	0.893665
cg00896284	chr6	1.65E+08		-0.35669	-2.31527	0.021787	0.893614
cg23837289	chr19	1817091		-0.22495	-2.32097	0.02147	0.8927
cg02661034	chr5	1477269	NKD2	-0.22717	-2.31775	0.021649	0.892915
cg18401376	chr6	35141132	SNRPC;C6orf106	-0.24256	-2.31219	0.02196	0.893665
cg23781495	chr9	1.19E+08		0.254315	2.316855	0.021699	0.893474
cg06534464	chr15	93122918		-0.26925	-2.30911	0.022135	0.893665
cg15042082	chr6	14524587		0.492431	2.323432	0.021334	0.8922
cg20661080	chr5	1.8E+08	BTNL9;FLT4	0.334658	2.313297	0.021898	0.893665
cg16448890	chr3	8783613		0.33985	2.317876	0.021642	0.892892
cg17588094	chr8	1.29E+08	CASC19;CCAT1;PVT1	-0.43207	-2.31326	0.0219	0.893665
cg08469419	chr11	17555063	NCR3LG1	-0.3283	-2.31002	0.022083	0.893665
cg19577082	chr2	28887080		0.197905	2.315001	0.021802	0.893614
cg01023053	chr1	87797123		0.260391	2.310931	0.022032	0.893665

cg04553623	chr21	46909229		0.253944	2.311889	0.021978	0.893665
cg14558799	chr6	64308563		-0.34743	-2.32041	0.021501	0.892849
cg26220259	chr1	44444688		-0.1631	-2.3149	0.021808	0.893614
cg01772854	chr5	1176225		-0.29584	-2.3125	0.021943	0.893665
cg22168480	chr1	89458595		0.203157	2.312069	0.021967	0.893665
cg11293610	chr21	34755681	ITSN1;GART	-0.3833	-2.31185	0.02198	0.893665
cg26392328	chr17	53827880		-0.30081	-2.31375	0.021873	0.893665
cg11980791	chr9	1.31E+08		-0.27038	-2.32269	0.021375	0.8922
cg12200412	chr1	1.58E+08		-0.32158	-2.31609	0.021742	0.893474
cg08044427	chr2	20442131	MATN3	0.370736	2.309276	0.022126	0.893665
cg24181266	chr19	11354132	ICAM1;AP1M2;PDE4A;TYK2	0.457407	2.311237	0.022014	0.893665
cg15826629	chr6	30069609		-0.26034	-2.32311	0.021352	0.8922
cg17501906	chr1	1.63E+08	ENSG00000230739;C1orf110	0.509212	2.311101	0.022022	0.893665
cg25063505	chr14	1.01E+08		0.275072	2.309877	0.022091	0.893665
cg11030446	chr4	83715381	PLAC8	-0.22991	-2.31404	0.021857	0.893665
cg17066529	chr6	90754140		-0.40731	-2.30883	0.022151	0.893665
cg02636872	chr16	28510023		0.25207	2.314533	0.021829	0.893665
cg13343818	chr2	1.73E+08		0.199798	2.315916	0.021751	0.893474
cg03527422	chr6	99282736		-0.20661	-2.31324	0.021901	0.893665
cg09410308	chr21	43766606		0.240603	2.31076	0.022041	0.893665
cg27355739	chr6	1.31E+08		0.212796	2.312021	0.02197	0.893665
cg14653216	chr8	1.31E+08		-0.20877	-2.31325	0.021901	0.893665
cg27488370	chr7	1.28E+08		-0.24432	-2.31367	0.021877	0.893665

cg00163576	chr3	86331369		-0.25078	-2.32276	0.021371	0.8922
cg08827756	chr6	6006770	F13A1	0.285651	2.314141	0.021851	0.893665
cg07035704	chr8	75616533		0.308852	2.312973	0.021916	0.893665
cg15692172	chr6	1.71E+08		-0.34586	-2.30758	0.022222	0.893665
cg16976310	chr6	27862785	ZNF204P	-0.31907	-2.31415	0.02185	0.893665
cg26424888	chr11	74037163	P4HA3;KCNE3;RELT	0.32301	2.315288	0.021786	0.893614
cg10850725	chr19	44764380		0.43388	2.311144	0.02202	0.893665
cg19571106	chr8	9762850		0.264582	2.314991	0.021803	0.893614
cg18081881	chr4	37828048		-0.19587	-2.31304	0.021913	0.893665
cg25189241	chr2	1.72E+08		0.393308	2.309337	0.022122	0.893665
cg04173397	chr10	1219289		0.240606	2.317388	0.021669	0.893128
cg01508045	chr6	41516162		0.365585	2.313484	0.021888	0.893665
cg19956062	chr3	52001778		-0.14118	-2.30812	0.022192	0.893665
cg24701309	chr8	1.42E+08		-0.17911	-2.31663	0.021711	0.893474
cg24287460	chr3	1.29E+08		-0.24406	-2.3133	0.021898	0.893665
cg00783104	chr8	41655894		-0.38936	-2.31111	0.022022	0.893665
cg03657589	chr8	1.46E+08		0.25572	2.313222	0.021902	0.893665
cg18023504	chr7	1.15E+08		-0.36765	-2.31613	0.021739	0.893474
cg19350024	chr10	63869379	RTKN2	-0.34525	-2.31134	0.022008	0.893665
cg25098174	chr17	61512571	DDX5;CYB561;MRC2;MARCH10	0.192259	2.314036	0.021857	0.893665
cg05940452	chr11	1.19E+08		0.449077	2.312084	0.021967	0.893665
cg10818763	chr8	1383695		0.250834	2.320095	0.021518	0.892892
cg06872588	chr7	6692873		0.268539	2.312447	0.021946	0.893665

cg27044591	chr5	1.7E+08		0.291396	2.315308	0.021785	0.893614
cg26666538	chr2	1.15E+08		-0.29719	-2.31209	0.021966	0.893665
cg00325149	chr1	1.04E+08		0.20867	2.31255	0.02194	0.893665
cg02247514	chr6	30520623		0.205516	2.314067	0.021855	0.893665
cg18022012	chr2	10444757	ENSG00000188525	0.2913	2.312977	0.021916	0.893665
cg00899883	chr2	2.39E+08		-0.17916	-2.30807	0.022194	0.893665
cg24272691	chr7	86849485		0.179235	2.308165	0.022189	0.893665
cg26688315	chr2	2.18E+08	TNS1	-0.32209	-2.31434	0.02184	0.893665
cg25868286	chr17	42092488		0.248287	2.312703	0.021932	0.893665
cg22753376	chr8	1.18E+08		-0.2517	-2.31061	0.02205	0.893665
cg10159032	chr17	30347989		0.238091	2.311022	0.022027	0.893665
cg13103815	chr1	6164020	RPL22;PHF13	-0.26238	-2.3096	0.022107	0.893665
cg03980035	chr2	25568991		-0.37937	-2.30751	0.022226	0.893665
cg09798202	chr16	85353755		-0.28657	-2.30924	0.022127	0.893665
cg19082960	chr1	2.14E+08		0.258905	2.313903	0.021864	0.893665
cg09516965	chr14	52734529		0.381613	2.312335	0.021952	0.893665
cg11569979	chr6	94127222		0.315117	2.31144	0.022003	0.893665
ch.14.1387929R	chr14	89561063		0.298276	2.313691	0.021876	0.893665
cg12165772	chr17	48070354		-0.28094	-2.31103	0.022026	0.893665
cg07420261	chr16	54155492		-0.22592	-2.31096	0.02203	0.893665
cg03414001	chr15	1.02E+08		-0.47258	-2.32012	0.021517	0.892892
cg12406559	chr18	56530302		0.435741	2.312671	0.021933	0.893665
cg12180067	chr3	1.38E+08		-0.1939	-2.31161	0.021993	0.893665
cg02180545	chr10	1.03E+08		-0.18262	-2.31301	0.021914	0.893665
cg04198042	chr17	48169370		-0.23287	-2.30737	0.022234	0.893665

cg02342415	chr3	12940876	NUP210	-0.27406	-2.31565	0.021766	0.893474
cg04204072	chr16	20752857		-0.19135	-2.31081	0.022039	0.893665
cg25182665	chr3	1.37E+08		-0.28986	-2.31577	0.021759	0.893474
cg21545293	chr11	1.02E+08	MMP1	-0.21128	-2.31145	0.022002	0.893665
cg10365743	chr7	4770257	FSCN1	0.306563	2.311235	0.022015	0.893665
cg13444374	chr3	39421801	TTC21A;MOBP;SCN11A;XYLB;ENTPD3-AS1;SCN5A;GORASP1;EXOG	0.366056	2.313218	0.021903	0.893665
cg21545977	chr1	11741439		0.147811	2.310777	0.02204	0.893665
cg04353095	chr3	1.41E+08		0.24059	2.313503	0.021887	0.893665
cg08881067	chr5	74062846		-0.27817	-2.31226	0.021957	0.893665
cg26517470	chr15	76351361	PSTPIP1	0.34211	2.313187	0.021904	0.893665
cg05364141	chr1	2.06E+08		-0.19893	-2.31206	0.021968	0.893665
cg04338788	chr3	52478874	STAB1;PPM1M;SEMA3G;PBRM1;PRKCD	-0.40407	-2.31298	0.021916	0.893665
cg21010050	chr3	99979819		-0.23395	-2.31206	0.021968	0.893665
cg24506025	chr11	94706874		-0.25359	-2.30907	0.022137	0.893665
cg27237907	chr13	1.15E+08		0.390768	2.308087	0.022193	0.893665
cg21535106	chr1	2.26E+08		0.236752	2.312342	0.021952	0.893665
cg07791834	chr19	48800382		-0.29285	-2.3079	0.022204	0.893665
cg16500852	chr5	1.77E+08		0.258041	2.310365	0.022064	0.893665
cg23091406	chr4	1.85E+08		0.176857	2.307775	0.022211	0.893665
cg14844588	chr1	40783039		0.185546	2.310407	0.022061	0.893665

cg13791827	chr9	1.34E+08		0.188581	2.310149	0.022076	0.893665
cg24490542	chr1	34628784		0.269566	2.308505	0.022169	0.893665
cg21378403	chr10	1.03E+08		0.254083	2.309862	0.022092	0.893665
cg20751361	chr3	37493945		-0.19822	-2.30983	0.022094	0.893665
cg03600259	chr6	1.64E+08		0.417321	2.314125	0.021852	0.893665
cg02287685	chr15	76492581		0.205741	2.308342	0.022179	0.893665
cg17357479	chr1	1.84E+08		0.261233	2.308786	0.022153	0.893665
cg17671608	chr1	33593154		-0.25545	-2.30845	0.022172	0.893665
cg04197554	chr8	21866700		-0.42298	-2.30494	0.022373	0.893677
cg15958938	chr17	73726239		-0.27518	-2.3099	0.02209	0.893665
cg03947979	chr6	78176785		0.306638	2.312581	0.021939	0.893665
cg20724073	chr17	40719654		-0.22103	-2.31488	0.021809	0.893614
cg08993236	chr22	50242901		-0.22865	-2.30646	0.022286	0.893665
cg22382235	chr11	56466578		-0.31942	-2.31041	0.022061	0.893665
cg13687570	chr19	37825320		0.358739	2.30628	0.022296	0.893665
cg24073755	chr1	2.32E+08		-0.36049	-2.31	0.022085	0.893665
cg00495436	chr3	1.32E+08		-0.18433	-2.31484	0.021811	0.893614
cg22209166	chr10	1.26E+08	FAM53B	-0.31391	-2.30914	0.022133	0.893665
cg27217167	chr17	231359		-0.22863	-2.31165	0.021991	0.893665

cg03131767	chr12	1.23E+08	LRRC43;DNAH10;TCTN2;CCDC92;ABCB9;KNTC1;ENSG00000256546;MPHOSPH9;RILPL2;DNAH10OS;DIABLO;PITPNM2;EIF2B1	0.351115	2.312615	0.021937	0.893665
cg20111235	chr22	29168748		-0.17578	-2.30833	0.02218	0.893665
cg22261911	chr6	32143689		-0.19637	-2.30904	0.022139	0.893665
cg10692614	chr3	52827704	DNAH1;GNL3	0.274054	2.303743	0.022442	0.893677
cg14426913	chr6	6956252		0.203626	2.31001	0.022084	0.893665
cg02415029	chr1	1.1E+08		0.208822	2.309753	0.022098	0.893665
cg05363574	chr2	74919244	TET3	-0.33057	-2.30997	0.022086	0.893665
cg18712199	chr14	29240691		0.3971	2.306718	0.022271	0.893665
cg16825062	chr17	12694678	ARHGAP44;DNAH9	0.382417	2.309862	0.022092	0.893665
cg14118226	chr14	70010567	ACTN1;RPL7AP6;RAD51B;DDX18P1	-0.36744	-2.30839	0.022176	0.893665
cg18273566	chr1	23695031	ENSG00000232482	-0.19835	-2.31025	0.02207	0.893665
cg10117180	chr2	2.28E+08		-0.1553	-2.30896	0.022144	0.893665
cg05794119	chr13	52586375		0.192087	2.306852	0.022264	0.893665
cg27393726	chr10	16561605		0.401923	2.314173	0.021849	0.893665
cg16060163	chr17	80454814		-0.30487	-2.30714	0.022247	0.893665
cg03403511	chr11	62641217	SCGB1A1	-0.26471	-2.31133	0.022009	0.893665
cg08625289	chr1	59612492		-0.30006	-2.30994	0.022088	0.893665

cg20846148	chr13	1.03E+08		-0.33026	-2.30714	0.022247	0.893665
cg14263553	chr8	8120624		-0.25888	-2.30959	0.022108	0.893665
cg17043193	chr5	1.43E+08	NR3C1;KCTD16	0.234654	2.314108	0.021853	0.893665
cg16627395	chr3	1.58E+08		-0.19104	-2.30957	0.022109	0.893665
cg14683138	chr19	10781796		0.286278	2.308911	0.022146	0.893665
cg23946709	chr14	23527317		-0.21182	-2.30741	0.022232	0.893665
cg04787888	chr16	86547322	IRF8	0.303826	2.308984	0.022142	0.893665
cg02450124	chr15	58429751		0.27503	2.310121	0.022078	0.893665
cg13510751	chr7	1.29E+08		0.287245	2.309787	0.022097	0.893665
cg08597802	chr1	19657280		-0.24904	-2.30455	0.022395	0.893677
cg19589922	chr4	1.84E+08		-0.20117	-2.30784	0.022207	0.893665
cg19596177	chr12	95611375		0.182142	2.306625	0.022277	0.893665
cg25463943	chr19	51474126	ENSG00000204666	0.252912	2.307311	0.022237	0.893665
cg15826485	chr14	21852455		0.229374	2.309235	0.022128	0.893665
cg19997181	chr10	2699357		-0.40474	-2.30615	0.022304	0.893665
cg01193064	chr21	44494722	CBS;SLC37A1	0.226544	2.305151	0.022361	0.893677
cg14727452	chr11	1.17E+08		0.204261	2.308574	0.022165	0.893665
cg24707200	chr1	1.57E+08	PEAR1;NES;RAB25;SYT11;SMG5;IQGAP3;BCAN;LAMTOR2	-0.27048	-2.31087	0.022035	0.893665
cg25437359	chr2	19330640		-0.35361	-2.30554	0.022338	0.893665
cg21189480	chr9	34622187		0.250235	2.30581	0.022323	0.893665
cg04444303	chr10	69634106		0.307783	2.30583	0.022322	0.893665
cg00335892	chr22	21213899		0.286135	2.307166	0.022246	0.893665

cg18874294	chr7	50108936		-0.31773	-2.30471	0.022386	0.893677
cg07549656	chr11	1.34E+08		0.188613	2.309845	0.022093	0.893665
cg27389185	chr19	38042123		0.255173	2.312708	0.021931	0.893665
cg18804680	chr14	1.01E+08		-0.18737	-2.30565	0.022332	0.893665
cg10465949	chr16	87688689		-0.2619	-2.30887	0.022149	0.893665
ch.16.78152474R	chr16	79594973		-0.34438	-2.30586	0.02232	0.893665
cg21627589	chr17	45899047		-0.17785	-2.30819	0.022187	0.893665
cg05573287	chr3	12983221		0.336383	2.305427	0.022345	0.893665
cg07646377	chr2	1.57E+08		-0.23916	-2.30625	0.022298	0.893665
cg24712501	chr5	1401718	NDUFS6;NKD2	-0.25223	-2.30546	0.022343	0.893665
cg18173044	chr10	1.15E+08		0.337257	2.311908	0.021977	0.893665
cg26353877	chr1	1.6E+08		-0.26733	-2.31033	0.022066	0.893665
cg14332368	chr3	43151328		-0.26632	-2.30702	0.022254	0.893665
cg20897479	chr11	12292577	TEAD1	-0.30605	-2.30365	0.022447	0.893677
cg25027167	chr8	1.46E+08		0.29575	2.306786	0.022267	0.893665
cg08499602	chr8	27132306		0.24017	2.306271	0.022297	0.893665
cg04839259	chr10	1.24E+08		0.48757	2.303795	0.022439	0.893677
cg04227892	chr5	2169402		-0.32033	-2.31029	0.022068	0.893665
cg01304278	chr14	96001998		-0.26546	-2.30892	0.022146	0.893665
cg13435679	chr9	1.41E+08		-0.20595	-2.30508	0.022365	0.893677
cg07144296	chr1	1.83E+08		-0.19774	-2.30589	0.022319	0.893665
cg10362172	chr3	1.39E+08		0.338087	2.308257	0.022183	0.893665
cg19776611	chr10	1.34E+08		0.28189	2.309714	0.022101	0.893665
cg18661731	chr18	59854239		-0.2332	-2.30349	0.022456	0.893677
cg22938837	chr2	1E+08		-0.28025	-2.31131	0.022011	0.893665

cg06049295	chr4	3534276		-0.11914	-2.30829	0.022182	0.893665
cg06170300	chr3	1.65E+08		-0.22999	-2.30621	0.0223	0.893665
cg08312987	chr11	45204466		0.302607	2.303491	0.022456	0.893677
ch.20.24070907R	chr20	24122907		0.236239	2.30352	0.022455	0.893677
cg11935317	chr2	1.71E+08		-0.19596	-2.3069	0.022261	0.893665
cg18832738	chr12	95210053		0.259466	2.311461	0.022002	0.893665
cg08889789	chr4	1305886		-0.23478	-2.31341	0.021892	0.893665
cg02298401	chr21	47288619	COL6A1;COL6A2;COL18A1;PCBP3;ADARB1;COL18A1-AS1	0.330838	2.31633	0.021728	0.893474
cg06028151	chr8	12730092	RPS3AP34	0.350118	2.306453	0.022286	0.893665
cg01971555	chr3	32729395		0.254101	2.31608	0.021742	0.893474
cg13778336	chr1	13836752		0.239004	2.303192	0.022473	0.893677
cg22155080	chr5	56368149		-0.32493	-2.30813	0.022191	0.893665
cg09022163	chr1	41157963		-0.17758	-2.30567	0.022331	0.893665
cg21588215	chr6	32632937	HLA-DQB1;HLA-DQA1;HLA-DRB1;HLA-DPA1	-0.45275	-2.31247	0.021945	0.893665
cg19106932	chr17	61926700	FTSJ3	0.636224	2.307704	0.022215	0.893665
cg07857444	chr2	1614151		0.280867	2.305148	0.022361	0.893677
cg06812522	chr12	569221		-0.17829	-2.30757	0.022223	0.893665
cg26392737	chr8	21916853		-0.22679	-2.30459	0.022393	0.893677
cg21483264	chr2	26400186		-0.20604	-2.30618	0.022302	0.893665
cg10815253	chr2	1.17E+08		-0.34586	-2.31509	0.021798	0.893614

cg10576499	chr2	80101315		-0.3697	-2.31168	0.021989	0.893665
cg14454796	chr2	2.42E+08		0.289812	2.309789	0.022096	0.893665
cg24934063	chr7	1.22E+08		0.229094	2.303275	0.022469	0.893677
cg23069167	chr3	61550379		-0.20374	-2.30954	0.022111	0.893665
cg13462219	chr8	1.45E+08		0.400321	2.303802	0.022438	0.893677
cg24240567	chr17	26972348		0.157315	2.302153	0.022533	0.893677
cg14583769	chr19	48702221		0.243987	2.304235	0.022414	0.893677
cg09096555	chr17	72848358	SMIM5	0.343141	2.303135	0.022477	0.893677
cg04548519	chr3	1.7E+08		0.307999	2.310843	0.022037	0.893665
cg16974516	chr2	2.38E+08		-0.3639	-2.30765	0.022218	0.893665
cg14083111	chr12	6580020	CD163L1	-0.2268	-2.3067	0.022272	0.893665
cg01236299	chr17	9819556		-0.21315	-2.30393	0.022431	0.893677
cg14487878	chr9	1.12E+08		0.169251	2.308558	0.022166	0.893665
cg11420827	chr2	2.37E+08		0.218788	2.308974	0.022143	0.893665
cg09399047	chr3	49059671		-0.2372	-2.30601	0.022312	0.893665
cg09626193	chr8	55370192		0.365631	2.308408	0.022175	0.893665
cg08447658	chr4	1339912		0.173576	2.303284	0.022468	0.893677
cg06526042	chr8	95648491		-0.25434	-2.30513	0.022362	0.893677
cg19717586	chr11	1.32E+08		0.478756	2.304237	0.022413	0.893677
cg13147013	chr13	99852409	FARP1	-0.2128	-2.30113	0.022593	0.894192
cg27503275	chr6	3880016		-0.3004	-2.30592	0.022317	0.893665
cg15663092	chr11	9596174	SNORA23	0.196199	2.307425	0.022231	0.893665
cg23603057	chr6	1.68E+08		-0.27947	-2.30534	0.02235	0.893677
cg16434510	chr8	1.3E+08	PVT1	-0.50932	-2.30217	0.022533	0.893677
cg12395420	chr19	54202584		-0.26677	-2.30318	0.022474	0.893677

cg24884543	chr18	77139072		0.436681	2.304384	0.022405	0.893677
cg10453777	chr13	62245229		-0.38387	-2.30824	0.022184	0.893665
cg07985359	chr19	7894666		-0.18716	-2.30717	0.022245	0.893665
cg02393727	chr16	89690088		0.431819	2.30903	0.02214	0.893665
cg15560801	chr1	46918254	CCDC17;CYP4B1	-0.18721	-2.30565	0.022332	0.893665
cg05150327	chr15	81617335		0.271409	2.304364	0.022406	0.893677
cg14264773	chr1	2.26E+08		0.200879	2.308878	0.022148	0.893665
cg18924493	chr11	506924		0.149777	2.302995	0.022485	0.893677
cg19056176	chr16	85061789		-0.27773	-2.30205	0.022539	0.893677
cg12777588	chr7	4019913		-0.27163	-2.30285	0.022493	0.893677
cg26948823	chr16	1255116	NME4	-0.39103	-2.3057	0.022329	0.893665
cg00682090	chr17	3733468		-0.29799	-2.30574	0.022327	0.893665
cg24865802	chr22	42084920		0.144365	2.303648	0.022447	0.893677
cg14539086	chr12	57351856		-0.19491	-2.30494	0.022373	0.893677
cg26616201	chr16	65420843		0.295743	2.302995	0.022485	0.893677
cg27150370	chr21	34863940		-0.2227	-2.30554	0.022339	0.893665
cg04874326	chr6	2634942		-0.25647	-2.3055	0.022341	0.893665
cg27072153	chr12	1.15E+08		0.329687	2.301264	0.022585	0.894192
cg03337886	chr13	1.1E+08		0.200653	2.306455	0.022286	0.893665
cg19492446	chr18	35145650		-0.29688	-2.30502	0.022368	0.893677
cg26860935	chr4	1407989	TACC3	0.323238	2.30678	0.022268	0.893665
cg07215473	chr3	16508396		-0.25302	-2.30112	0.022593	0.894192
cg14162076	chr12	8665092	RIMKLB	-0.35375	-2.30429	0.022411	0.893677
cg00688297	chr8	1.46E+08	MAPK15	-0.19502	-2.30337	0.022463	0.893677
cg19818642	chr15	91260404	WDR93	-0.19844	-2.30647	0.022285	0.893665

cg11767426	chr14	50319892		0.375894	2.303099	0.022479	0.893677
cg18521925	chr6	1.11E+08		0.240399	2.302503	0.022513	0.893677
cg23240149	chr11	34075172		0.388149	2.304317	0.022409	0.893677
cg21771660	chr17	96672		-0.32511	-2.30334	0.022465	0.893677
cg17722747	chr20	58665675		-0.2215	-2.30257	0.02251	0.893677
cg14125960	chr7	1.59E+08		-0.23316	-2.3054	0.022346	0.893665
cg11623293	chr17	78859060		-0.29549	-2.3073	0.022238	0.893665
cg03402630	chr22	26192806		-0.41172	-2.30061	0.022623	0.894192
cg26711508	chr8	1.2E+08		0.457193	2.315939	0.02175	0.893474
cg23218979	chr3	25825565		-0.38217	-2.30732	0.022237	0.893665
cg17500103	chr4	1.64E+08		0.238897	2.305454	0.022344	0.893665
cg07674834	chr17	8230235		0.176458	2.313426	0.021891	0.893665
cg18105065	chr2	2.19E+08		0.241699	2.305498	0.022341	0.893665
cg10346758	chr22	47097389		-0.27272	-2.30413	0.02242	0.893677
cg24237862	chr7	37026842		-0.33625	-2.30749	0.022227	0.893665
cg08430074	chr2	1.7E+08	NOSTRIN;CERS6;DHRS9;KLHL23	-0.28121	-2.30889	0.022147	0.893665
cg04194947	chr2	1.77E+08		0.263555	2.302949	0.022487	0.893677
cg20787122	chr1	1.12E+08	KCND3;RAP1A	0.264323	2.305029	0.022368	0.893677
cg03547640	chr1	17662685		0.326489	2.30322	0.022472	0.893677
cg25763579	chr3	13213415	RAF1	-0.28178	-2.30224	0.022528	0.893677
cg08171022	chr11	70185278	ANO1	0.346501	2.30412	0.02242	0.893677
cg27272235	chr1	2.21E+08		0.357235	2.304097	0.022421	0.893677
cg27129656	chr14	1.02E+08		-0.25684	-2.30446	0.022401	0.893677
cg04206637	chr5	63202277		-0.37703	-2.29989	0.022664	0.894355

cg19270764	chr1	21503624		-0.19611	-2.3055	0.022341	0.893665
cg17137077	chr2	1.62E+08		0.364291	2.300573	0.022625	0.894192
cg04949193	chr6	1.57E+08		-0.19548	-2.30199	0.022543	0.893677
cg06599920	chr14	47121117		0.437633	2.301499	0.022571	0.894118
cg16702713	chr5	1.18E+08		-0.17739	-2.30191	0.022547	0.893677
cg15990724	chr12	1.01E+08		-0.31764	-2.30222	0.02253	0.893677
cg21131493	chr3	12923969		-0.25971	-2.30204	0.02254	0.893677
cg14772935	chr7	29187019	CPVL	0.392899	2.30523	0.022356	0.893677
cg03287126	chr8	10196401		0.216115	2.309711	0.022101	0.893665
cg09265876	chr12	25537944	ITPR2	0.39384	2.302778	0.022497	0.893677
cg19324513	chr17	80989060		0.273799	2.307215	0.022243	0.893665
cg03579045	chr8	11579013		0.412176	2.300552	0.022626	0.894192
cg17579214	chr13	98085375		0.228597	2.303293	0.022468	0.893677
cg03338924	chr6	13015106		-0.30121	-2.30903	0.02214	0.893665
cg18208853	chr14	60559200	L3HYPDH	-0.22262	-2.30011	0.022652	0.894355
cg06963709	chr7	1.55E+08		-0.49862	-2.30083	0.02261	0.894192
cg07211465	chr6	1.48E+08		-0.27118	-2.30386	0.022435	0.893677
cg20679082	chr17	1090548		0.195757	2.302595	0.022508	0.893677
cg23398076	chr2	66664960	ENSG00000232046	-0.26259	-2.30654	0.022281	0.893665
cg08661003	chr20	3185863		0.194921	2.301584	0.022566	0.894084
cg24469980	chr1	2.21E+08		0.298643	2.305403	0.022346	0.893665
cg18482690	chr5	4511582		0.384666	2.307404	0.022232	0.893665
cg03803009	chr17	72363634		-0.20343	-2.30573	0.022328	0.893665
cg08881610	chr6	1.01E+08	ENSG00000260000	-0.28417	-2.30542	0.022346	0.893665
cg24862000	chr3	14582410		-0.18664	-2.30192	0.022547	0.893677

cg03654841	chr16	88615609	SLC7A5	-0.28546	-2.30384	0.022436	0.893677
cg13991609	chr9	1.29E+08		-0.24423	-2.30206	0.022539	0.893677
cg19535607	chr10	50820803		0.328635	2.299109	0.02271	0.894355
cg01489416	chr19	36358613	FXYD3	-0.22643	-2.30792	0.022203	0.893665
cg00238362	chr6	32038011		0.213411	2.299343	0.022696	0.894355
cg09366587	chr12	94559051		0.269486	2.304292	0.02241	0.893677
cg06816651	chr2	95664359		0.280879	2.303727	0.022443	0.893677
cg09293718	chr8	87076603		0.355684	2.307443	0.02223	0.893665
cg00894344	chr13	1.11E+08		0.290206	2.30683	0.022265	0.893665
cg03176520	chr2	2.2E+08		0.234664	2.303489	0.022456	0.893677
cg06887663	chr14	62228983		-0.18941	-2.30265	0.022505	0.893677
cg21417399	chr8	1.46E+08		-0.18516	-2.30083	0.02261	0.894192
cg00108349	chr13	24914657		-0.35924	-2.30596	0.022315	0.893665
cg05456890	chr5	1.15E+08		-0.18428	-2.30897	0.022143	0.893665
cg14348588	chr9	34523329	ENHO	-0.19011	-2.30796	0.0222	0.893665
cg00573922	chr3	1.84E+08	ECE2	-0.18426	-2.3042	0.022415	0.893677
cg10155817	chr3	1.97E+08		0.236036	2.303765	0.02244	0.893677
cg27640147	chr15	50718844		-0.20499	-2.30767	0.022217	0.893665
cg14733720	chr19	44325004		0.439125	2.302187	0.022531	0.893677
cg06965300	chr21	44867263		0.300458	2.308874	0.022148	0.893665
cg06302818	chr13	50708043		-0.30532	-2.3	0.022658	0.894355
cg18369327	chr5	1.09E+08		0.327152	2.298763	0.02273	0.894597
cg25942880	chr11	8662007		-0.22602	-2.30036	0.022637	0.894192
cg14326912	chr20	18775716		-0.3042	-2.30768	0.022216	0.893665
cg20170989	chr7	53102721		-0.42458	-2.30117	0.02259	0.894192

cg03230175	chr2	1.57E+08	CYTIP	0.250968	2.299277	0.0227	0.894355
cg23702412	chr14	70655803		0.232506	2.303299	0.022467	0.893677
cg22232616	chr8	1.45E+08	ENSG00000254690	0.191005	2.300391	0.022635	0.894192
cg13356133	chr17	12877772		0.285034	2.307361	0.022235	0.893665
cg00817731	chr3	46759475		0.519649	2.306438	0.022287	0.893665
cg09144422	chr16	68056595		0.291429	2.299873	0.022665	0.894355
cg11600596	chr2	2617199		0.304315	2.306336	0.022293	0.893665
cg06802147	chr16	30022725		-0.1771	-2.30317	0.022475	0.893677
cg24719726	chr5	1.63E+08		-0.39553	-2.30361	0.02245	0.893677
cg16532223	chr1	6542083		-0.21765	-2.29805	0.022771	0.895029
cg27512631	chr3	1.01E+08		-0.32796	-2.30448	0.0224	0.893677
cg08462108	chr11	70680470		-0.17454	-2.30102	0.022599	0.894192
cg07236594	chr2	1.29E+08		-0.29565	-2.29935	0.022696	0.894355
cg16381059	chr17	835927		-0.2558	-2.30194	0.022546	0.893677
cg17712928	chr7	2124974	ELFN1	-0.23602	-2.30002	0.022657	0.894355
cg19601293	chr7	2029752		0.296308	2.298036	0.022772	0.895029
cg15143799	chr10	38146551		0.174629	2.300797	0.022612	0.894192
cg13862927	chr9	72158091		-0.38214	-2.31201	0.021971	0.893665
cg12801863	chr12	11423020	PRB1;PRB4;PRB3;PRR4;PRH2	0.332447	2.3005	0.022629	0.894192
cg12376277	chr22	31365812		-0.26295	-2.3055	0.022341	0.893665
cg03645748	chr2	2.43E+08		0.332311	2.300414	0.022634	0.894192
cg20994084	chr17	79269488		-0.2536	-2.30742	0.022231	0.893665
cg09249682	chr7	17338253		-0.18325	-2.29884	0.022725	0.894597
cg04245630	chr1	2.02E+08		-0.31052	-2.29782	0.022785	0.895122

cg10880928	chr9	1.4E+08	GPSM1;EGFL7	0.392195	2.300283	0.022642	0.894192
cg26102146	chr7	1.51E+08		-0.18256	-2.30168	0.022561	0.894023
cg26918471	chr5	1.21E+08		-0.1705	-2.29883	0.022726	0.894597
cg00685795	chr17	40713781		0.285388	2.298395	0.022751	0.89501
cg00807959	chr1	48176281		0.253678	2.30039	0.022635	0.894192
cg06575572	chr22	45705265		0.317204	2.298884	0.022723	0.894597
cg22081832	chr3	64670459	ADAMTS9-AS2	0.277798	2.302765	0.022498	0.893677
cg08526991	chr2	5831394		0.196326	2.296651	0.022853	0.895787
cg24688803	chr12	1.05E+08		0.318616	2.300329	0.022639	0.894192
ch.1.41905F	chr1	2.15E+08		0.392961	2.30173	0.022558	0.894004
cg20303815	chr11	69706981	ENSG00000246889	-0.21839	-2.30229	0.022525	0.893677
cg10998878	chr12	93964793		-0.17631	-2.30236	0.022522	0.893677
ch.9.22625725R	chr9	1.34E+08		-0.31022	-2.30199	0.022543	0.893677
cg08082763	chr16	11073063	SNX29;ATF7IP2	0.363972	2.304844	0.022379	0.893677
cg07018389	chr5	1.72E+08	STK10	-0.35245	-2.30531	0.022352	0.893677
cg10780981	chr2	2.09E+08		0.342278	2.295119	0.022943	0.895787
cg10547361	chr3	11761101		-0.2111	-2.30343	0.02246	0.893677
cg18205883	chr10	821718		-0.35089	-2.30102	0.022599	0.894192
cg16054907	chr22	50706065		0.307376	2.309436	0.022116	0.893665
cg15206445	chr16	89573312	SPIRE2	0.323193	2.299589	0.022682	0.894355
cg26576235	chr6	30309483		0.17259	2.303995	0.022427	0.893677
cg24120683	chr7	1.57E+08		0.374625	2.30766	0.022218	0.893665
cg15328328	chr2	1.22E+08		0.45576	2.308355	0.022178	0.893665
cg13109184	chr1	2.36E+08		-0.19427	-2.29693	0.022837	0.895787
cg16576569	chr1	1.81E+08	ENSG00000237292	-0.24717	-2.29941	0.022692	0.894355

cg04720116	chr10	679221	DIP2C	0.268945	2.29561	0.022914	0.895787
cg10521413	chr5	96519005		-0.32312	-2.29555	0.022917	0.895787
cg18443559	chr5	1.09E+08		0.277904	2.299905	0.022663	0.894355
cg16230307	chr14	35515116		0.31902	2.300334	0.022639	0.894192
cg08155584	chr3	82314701		-0.40963	-2.30387	0.022434	0.893677
cg22716904	chr22	35796059		-0.16962	-2.29965	0.022678	0.894355
cg22630667	chr5	1.54E+08		0.226404	2.298394	0.022751	0.89501
cg20631969	chr7	1.4E+08		-0.31439	-2.30056	0.022625	0.894192
cg18898498	chr8	1.44E+08		0.231159	2.3009	0.022606	0.894192
cg09850925	chr1	2.04E+08		0.325427	2.294622	0.022972	0.895787
cg03846288	chr15	59279849	ENSG00000259732	-0.22595	-2.30105	0.022597	0.894192
cg25532292	chr6	30415782		0.312172	2.305417	0.022346	0.893665
cg03048187	chr7	1.01E+08		-0.22309	-2.30251	0.022513	0.893677
cg17090891	chr1	61471224		0.314722	2.304803	0.022381	0.893677
cg01649317	chr16	87719201		0.326792	2.299294	0.022699	0.894355
cg13005636	chr13	20392706	IFT88	0.407403	2.296676	0.022851	0.895787
cg07491399	chr6	30956221		0.329277	2.301449	0.022574	0.894149
cg06102612	chr6	94127427		-0.23824	-2.30076	0.022614	0.894192
cg07333872	chr4	3691238		0.254853	2.300999	0.0226	0.894192
cg22979807	chr19	55837197		-0.30222	-2.29814	0.022766	0.895029
cg26109017	chr2	23840268		0.282201	2.300274	0.022642	0.894192
cg16577588	chr1	1.58E+08		-0.24594	-2.30231	0.022524	0.893677
cg01472464	chr2	3383078		0.44212	2.298571	0.022741	0.894791
cg17524821	chr19	15535460		0.25414	2.298695	0.022734	0.89467
cg19538674	chr3	39186541		0.284135	2.298782	0.022729	0.894597

cg11199428	chr13	52027379		0.176077	2.296213	0.022879	0.895787
cg05942128	chr2	1.77E+08		0.26312	2.295119	0.022943	0.895787
cg22240704	chr3	20202403		-0.35527	-2.29707	0.022829	0.895787
cg04617001	chr20	25130794		-0.24978	-2.29496	0.022952	0.895787
cg09148417	chr5	3513521		0.320058	2.295643	0.022912	0.895787
cg03603266	chr21	15755706		0.164538	2.301649	0.022563	0.894023
cg05766802	chr2	1.19E+08		0.346372	2.299805	0.022669	0.894355
cg03212634	chr19	54292238		0.299378	2.296643	0.022853	0.895787
cg10258719	chr10	35896405		-0.23366	-2.2983	0.022757	0.895029
cg13337047	chr19	57683843	ZNF418;ZNF211;ZNF154;ZNF135;ZSCAN1;PEG3;ZNF772;ZNF671	0.541589	2.297743	0.022789	0.895122
cg07632148	chr17	78009770		0.228066	2.299294	0.022699	0.894355
cg21813591	chr1	1.47E+08		0.194034	2.297381	0.02281	0.895787
cg22809920	chr20	43935551		0.368251	2.304211	0.022415	0.893677
cg09243759	chr13	77460613		-0.17098	-2.29685	0.022842	0.895787
cg10078335	chr2	2.42E+08		0.641523	2.295765	0.022905	0.895787
cg11096441	chr20	49548515		0.31299	2.296646	0.022853	0.895787
cg05178234	chr8	1813992		0.247796	2.302713	0.022501	0.893677
cg19265886	chr12	55845465		-0.35674	-2.29626	0.022876	0.895787
cg08858210	chr8	98290361	POP1	0.390777	2.299195	0.022705	0.894355
cg13169491	chr7	1.28E+08	HILPDA;NRF1	-0.27078	-2.29965	0.022678	0.894355
cg11338643	chr6	1.67E+08		0.225882	2.295103	0.022944	0.895787
cg26275360	chr8	52852168	RB1CC1	0.355577	2.30085	0.022609	0.894192

cg10052908	chr6	74063522		0.536384	2.297368	0.022811	0.895787
cg13963738	chr1	1.71E+08		-0.25154	-2.29837	0.022753	0.89501
cg17498476	chr7	2052420	ZFAND2A	-0.24485	-2.30238	0.02252	0.893677
cg16391347	chr14	1.01E+08		-0.22702	-2.29783	0.022784	0.895122
cg03736977	chr20	55684764	BMP7;PMEPA1;RBM38	-0.34498	-2.29732	0.022814	0.895787
cg00522034	chr3	1.06E+08		0.153858	2.299705	0.022675	0.894355
cg05263605	chr16	19191417		0.381146	2.294848	0.022958	0.895787
cg23095192	chr2	1.45E+08		0.248096	2.30155	0.022568	0.894084
cg07045469	chr7	48494579		0.63744	2.294878	0.022957	0.895787
cg20848207	chr15	94841537		0.25484	2.302862	0.022493	0.893677
cg18595228	chr15	67193261		-0.29612	-2.2955	0.02292	0.895787
cg11956120	chr5	1.15E+08		-0.27772	-2.30291	0.02249	0.893677
cg11642829	chr17	4607740	GSG2;ENSG00000261879;PFN1	-0.21898	-2.29361	0.023031	0.895932
cg13024471	chr7	1.51E+08	NUB1;TMEM176A;GIMAP2;TMEM176B	-0.28378	-2.29628	0.022875	0.895787
cg19744131	chr1	1.51E+08		0.191305	2.300782	0.022613	0.894192
cg18887073	chr19	13001796	MAN2B1	-0.28613	-2.29532	0.022931	0.895787
cg25555336	chr12	1.21E+08		-0.186	-2.29473	0.022965	0.895787
cg12754571	chr1	2.48E+08		0.720935	2.29209	0.023121	0.89698
cg26545040	chr19	994110	HMHA1;ARID3A;MISP;MEX3D;PPAP2C	-0.35052	-2.29647	0.022864	0.895787
cg03356115	chr16	3200385		-0.20646	-2.29802	0.022773	0.895029

cg00320597	chr8	1339461		-0.29603	-2.29685	0.022842	0.895787
cg03709297	chr15	25298516		0.268441	2.294863	0.022958	0.895787
cg20010506	chr12	62585467		0.389678	2.299606	0.022681	0.894355
cg24666790	chr15	38545014		-0.19476	-2.29528	0.022933	0.895787
cg19580263	chr14	74462914		0.250713	2.293002	0.023067	0.896315
cg25397111	chr17	2592953		0.343796	2.300827	0.02261	0.894192
cg13824991	chr18	76766250		0.56139	2.29383	0.023018	0.895932
cg03871460	chr13	37004721		0.341359	2.296118	0.022884	0.895787
cg08474603	chr1	1.6E+08		-0.30619	-2.29549	0.022921	0.895787
cg24708178	chr5	95019536		-0.38036	-2.29589	0.022897	0.895787
cg09751071	chr10	1.35E+08		-0.23635	-2.29581	0.022902	0.895787
cg12841566	chr11	47296317		0.230825	2.294661	0.022969	0.895787
cg03054846	chr1	1.43E+08		0.323902	2.296138	0.022883	0.895787
cg23052930	chr14	1.03E+08		0.223273	2.297999	0.022774	0.895029
cg22377505	chr1	2929156		0.181466	2.294389	0.022985	0.895787
cg12745160	chr17	7975779		0.29475	2.294371	0.022987	0.895787
cg04306248	chr7	1.01E+08		0.276783	2.302313	0.022524	0.893677
cg03263117	chr17	45798767		-0.28741	-2.30874	0.022156	0.893665
cg08455916	chr2	54560557	MIR3682	0.252068	2.296633	0.022854	0.895787
cg03458099	chr2	2.24E+08		0.346362	2.299142	0.022708	0.894355
cg21885995	chr17	74069256		0.328094	2.293269	0.023051	0.896111
ch.12.2884988R	chr12	1.33E+08		-0.3571	-2.29984	0.022667	0.894355
cg16756508	chr12	1.33E+08		-0.30311	-2.29279	0.02308	0.89634
cg15797110	chr7	27196314		0.310119	2.295908	0.022896	0.895787
cg07411165	chr4	1.47E+08		-0.2921	-2.30487	0.022377	0.893677

cg18313694	chr15	45480185	BLOC1S6;SQRDL;EIF3J	0.347672	2.299051	0.022713	0.894355
cg24208826	chr12	54389891		0.399074	2.294364	0.022987	0.895787
cg14382547	chr6	74067400		0.319534	2.29776	0.022788	0.895122
cg06341701	chr2	1.77E+08		0.259209	2.296273	0.022875	0.895787
cg27325861	chr17	41456143		0.239287	2.30239	0.02252	0.893677
cg22246918	chr13	51094655		-0.27491	-2.29419	0.022997	0.895877
cg00197728	chr20	58151913		0.265627	2.294617	0.022972	0.895787
cg01620757	chr17	4635229		-0.26006	-2.29914	0.022708	0.894355
cg26509722	chr12	6833059		-0.30106	-2.29818	0.022763	0.895029
cg01028920	chr16	31237479		-0.21349	-2.29127	0.023169	0.89698
cg24854861	chr11	24609900		-0.41037	-2.29665	0.022853	0.895787
cg09788978	chr16	88239852		0.231615	2.297258	0.022817	0.895787
cg01382474	chr3	1.41E+08		0.164981	2.298274	0.022758	0.895029
cg21488398	chr2	70369791		-0.14772	-2.29512	0.022942	0.895787
cg24286414	chr7	227664		0.2317	2.295057	0.022946	0.895787
cg24826645	chr13	1.14E+08		-0.20363	-2.29801	0.022774	0.895029
cg21679169	chr1	1.51E+08		0.238504	2.294517	0.022978	0.895787
cg08203192	chr2	45880618	EPAS1;PRKCE;LINC01121	0.298046	2.295446	0.022923	0.895787
cg09941713	chr8	61705332	ASPH	0.340581	2.294823	0.02296	0.895787
cg05004321	chr19	36450121		-0.17356	-2.29309	0.023062	0.896315
cg25853622	chr3	1.88E+08		0.393009	2.299049	0.022713	0.894355
cg09196146	chr14	90042364		0.457321	2.293523	0.023036	0.895932
cg14708411	chr5	1060679		0.440917	2.316554	0.021716	0.893474
cg00510331	chr3	11609366		-0.24681	-2.29072	0.023202	0.89698

cg09632907	chr4	54969963		0.210903	2.302658	0.022504	0.893677
cg18675097	chr6	28227127	HIST1H3J;HIST1H3H;HIST1H2BO;HIST1H1B	0.403804	2.295453	0.022923	0.895787
cg00726782	chr12	58299213		-0.25693	-2.29716	0.022823	0.895787
cg03906820	chr10	1.35E+08		-0.43835	-2.2935	0.023038	0.895932
cg14340074	chr6	33266407		-0.18619	-2.29346	0.02304	0.895932
cg07213684	chr2	25609537		-0.29513	-2.29956	0.022684	0.894355
cg00080081	chr17	33701776		0.384764	2.291542	0.023153	0.89698
cg04803921	chr20	30102855		-0.19963	-2.29438	0.022986	0.895787
cg23279559	chr21	17101917		-0.21222	-2.29498	0.022951	0.895787
cg06107216	chr21	40124363		0.332665	2.295345	0.022929	0.895787
cg18295203	chr3	1.72E+08		-0.26189	-2.29431	0.02299	0.895787
cg27078652	chr22	19466632		-0.1834	-2.29091	0.02319	0.89698
cg12033288	chr10	1.02E+08		0.291471	2.293442	0.023041	0.895932
cg24648385	chr2	88583845		0.334086	2.293478	0.023039	0.895932
cg05417729	chr2	3307997		0.290806	2.293621	0.023031	0.895932
cg25084108	chr14	33668205		-0.1758	-2.2932	0.023055	0.89619
cg27421298	chr17	35303285		0.18704	2.296698	0.02285	0.895787
cg27326683	chr13	87732923		-0.30086	-2.29429	0.022991	0.895787
cg23093846	chr1	68509382	IL12RB2	-0.38926	-2.29626	0.022876	0.895787
cg02323652	chr16	14396148		0.148609	2.291374	0.023163	0.89698

			ERI2;GDE1;TMC5;CCP110;ENSG00000260681;COQ7;ENSG00000005189;IQCK	0.272476	2.298103	0.022768	0.895029
cg10638734	chr16	19897155					
cg01349853	chr3	36986697		-0.46441	-2.29227	0.02311	0.896844
cg12402251	chr8	91094811		0.407968	2.295954	0.022894	0.895787
cg19763428	chr7	32109831		0.358875	2.293603	0.023032	0.895932
cg13035910	chr6	1E+08		0.281347	2.290523	0.023213	0.897139
cg26295204	chr2	70475921		-0.26181	-2.29484	0.022959	0.895787
cg21023926	chr3	1.94E+08		-0.25003	-2.29927	0.0227	0.894355
cg09529433	chr17	48637255		0.294709	2.300378	0.022636	0.894192
cg14078231	chr1	15850601		-0.23967	-2.29776	0.022788	0.895122
cg14580649	chr4	1208147		-0.24381	-2.29278	0.02308	0.89634
cg18423859	chr18	60986742		-0.17839	-2.29926	0.022701	0.894355
cg06314872	chr16	66638702	LINC00920	-0.18309	-2.29611	0.022885	0.895787
cg03204678	chr6	26614535	ZNF204P;LINC00240	0.621978	2.294288	0.022991	0.895787
cg04709675	chr7	75541952		-0.23697	-2.303	0.022484	0.893677
cg12123693	chr15	96454402		-0.38446	-2.29206	0.023123	0.89698
cg26010099	chr1	1.54E+08	ATP8B2;S100A14;S100A16;S100A9	-0.37675	-2.29233	0.023107	0.896844
cg16262566	chr17	73400938		-0.36621	-2.29447	0.022981	0.895787

			ASPA;ENSG0000 0263050;TRPV3; HIC1;C17orf85;E				
cg15965094	chr17	2898796	NSG0000026275 8;ATP2A3	0.480497	2.295613	0.022914	0.895787
cg11086421	chr5	1.41E+08		0.54517	2.290897	0.023191	0.89698
cg01330016	chr17	28549806		0.258583	2.295075	0.022945	0.895787
cg27307257	chr10	1.03E+08		0.297516	2.291423	0.02316	0.89698
cg18129282	chr10	89987284	RNLS	-0.37936	-2.29277	0.02308	0.89634
cg24688577	chr20	48807332	BCAS4;PARD6B	-0.20197	-2.28688	0.02343	0.898016
cg02078520	chr1	84944298	SPATA1	-0.26639	-2.29399	0.023009	0.895926
cg00164898	chr22	50709127		-0.23174	-2.29247	0.023098	0.896628
cg22465123	chr18	29598437		-0.24526	-2.29501	0.022949	0.895787
cg00169419	chr4	1.12E+08		0.415356	2.300369	0.022637	0.894192
cg23365739	chr14	57277178		0.263061	2.294151	0.022999	0.895877
cg13056927	chr3	42727915		0.445297	2.291405	0.023161	0.89698
cg14841011	chr1	3332125		-0.21777	-2.29282	0.023078	0.89634
cg00745607	chr6	26026583		0.216862	2.291164	0.023176	0.89698
cg08130814	chr8	6456465		0.296918	2.294407	0.022984	0.895787
cg07394827	chr1	1263239		0.25551	2.291197	0.023174	0.89698
cg12378436	chr10	1.35E+08		0.201457	2.295128	0.022942	0.895787
cg01434487	chr17	75953891		-0.36767	-2.29303	0.023065	0.896315
cg17488937	chr2	11878864		0.238111	2.29128	0.023169	0.89698
cg19727801	chr5	1.41E+08		0.483585	2.289106	0.023298	0.897904
cg13502903	chr1	94345034		0.442415	2.288977	0.023305	0.897904

cg09818637	chr17	20683924		0.234593	2.291534	0.023154	0.89698
cg25928521	chr11	14893339		0.275019	2.291589	0.02315	0.89698
cg19571214	chr14	21572474	RAB2B	-0.18809	-2.28876	0.023318	0.898016
cg13672300	chr19	52901307		0.412207	2.290777	0.023198	0.89698
cg22881141	chr22	46730765		-0.30943	-2.29109	0.02318	0.89698
cg03899598	chr16	734426		0.157825	2.294984	0.02295	0.895787
cg24767540	chr10	1.03E+08		0.343125	2.290066	0.023241	0.89751
cg06770790	chr6	43200203		-0.58112	-2.3013	0.022582	0.894192
cg06633429	chr5	76941396		0.307721	2.294064	0.023005	0.895877
cg20165545	chr1	3166599	MEGF6	-0.27339	-2.29078	0.023198	0.89698
cg11807188	chr1	65924844	CACHD1	-0.26293	-2.28688	0.02343	0.898016
cg01343151	chr15	78235484		-0.29572	-2.28628	0.023466	0.89823
cg10177813	chr13	44450844		-0.30595	-2.2945	0.022979	0.895787
cg20085812	chr3	39149038		-0.14778	-2.29275	0.023082	0.89634
cg19275895	chr3	10228718		0.295954	2.290188	0.023233	0.89751
cg25576818	chr7	27233141		0.238022	2.294977	0.022951	0.895787
cg00071381	chr1	1.2E+08		-0.27557	-2.29499	0.02295	0.895787
cg18917643	chr5	39476124	LIFR	0.427957	2.291931	0.02313	0.89698
cg20365330	chr10	1.35E+08		-0.30414	-2.29407	0.023004	0.895877
cg01220031	chr15	44117032		0.24931	2.289253	0.023289	0.897904
cg18585789	chr2	1.8E+08		-0.2949	-2.29723	0.022819	0.895787
cg09966038	chr19	11287317		-0.24372	-2.29039	0.023222	0.897342
cg26048117	chr8	1.44E+08		-0.17807	-2.29342	0.023042	0.895932
ch.7.32608027F	chr7	32641502		-0.29924	-2.29089	0.023192	0.89698
cg18970346	chr20	43990951		0.306233	2.291894	0.023132	0.89698

cg25753631	chr6	25732923		0.406463	2.297802	0.022786	0.895122
cg25303599	chr11	61595807		0.198943	2.286154	0.023474	0.89823
cg05435295	chr11	1.26E+08		-0.26591	-2.28953	0.023272	0.897904
cg03142856	chr1	45271752		-0.30523	-2.28872	0.02332	0.898016
cg17095737	chr15	70654556		-0.32102	-2.29304	0.023065	0.896315
cg09166345	chr1	44821053		0.245516	2.289305	0.023286	0.897904
cg19641999	chr2	1.91E+08		-0.22067	-2.28629	0.023465	0.89823
cg04119844	chr10	29214361		0.273538	2.291012	0.023185	0.89698
cg22194188	chr17	62341149	ENSG00000233635	0.374993	2.288981	0.023305	0.897904
cg22081096	chr17	67137953		-0.39847	-2.29857	0.022741	0.894791
cg15539073	chr19	30897675	CCNE1	0.237745	2.291397	0.023162	0.89698
cg27082185	chr18	5540805		-0.27793	-2.29926	0.022701	0.894355
cg22971157	chr5	1855043		0.345339	2.287778	0.023377	0.898016
cg01060861	chr10	28033840		0.250079	2.29293	0.023071	0.89634
cg04258771	chr9	77567031		-0.28972	-2.28686	0.023431	0.898016
cg16471864	chr4	38666270		-0.20947	-2.2939	0.023014	0.895932
cg14130272	chr6	31509427		-0.3789	-2.29031	0.023226	0.897359
cg05882781	chr10	63660566		0.314631	2.288227	0.02335	0.898016
cg02707593	chr5	54823369		-0.33065	-2.29964	0.022679	0.894355
cg10096040	chr14	1.01E+08	ENSG00000271417;MEG8	-0.33654	-2.28784	0.023373	0.898016
cg23051411	chr2	2.37E+08		0.403405	2.288111	0.023357	0.898016
cg17338299	chr7	1.55E+08		-0.20131	-2.2925	0.023097	0.896628
cg00557469	chr5	1.34E+08		-0.18666	-2.29142	0.023161	0.89698
cg07270423	chr11	1.23E+08	SCN3B	-0.27772	-2.29154	0.023153	0.89698

cg01970937	chr3	15438972		0.232243	2.295103	0.022944	0.895787
cg18145189	chr11	66137134		-0.26402	-2.29098	0.023186	0.89698
cg06164660	chr12	1.29E+08		0.290574	2.285485	0.023514	0.89873
cg11635029	chr10	1.31E+08		-0.29516	-2.29518	0.022939	0.895787
cg14520511	chr7	91875046		-0.29686	-2.28795	0.023367	0.898016
cg00977004	chr2	2.38E+08		-0.29771	-2.2953	0.022932	0.895787
cg11674773	chr1	54518492		-0.33384	-2.28857	0.023329	0.898016
cg25947970	chr3	1.86E+08	DGKG;EIF4A2	-0.26357	-2.29361	0.023031	0.895932
cg24512297	chr8	98288091		-0.21364	-2.28485	0.023552	0.898782
cg17473022	chr6	1.5E+08		-0.22051	-2.29544	0.022924	0.895787
cg01048810	chr1	45142815	KDM4A;CCDC24	0.26341	2.288425	0.023338	0.898016
cg20541785	chr6	35772606		0.34035	2.293756	0.023023	0.895932
cg15126975	chr2	1.75E+08		0.344369	2.287952	0.023366	0.898016
cg06710082	chr6	29943408		0.391449	2.289954	0.023247	0.897603
cg00765830	chr1	76080294		0.465362	2.290105	0.023238	0.89751
cg21850702	chr4	744555		0.279522	2.290792	0.023198	0.89698
cg24241410	chr7	1.58E+08		-0.25789	-2.28834	0.023343	0.898016
cg04305539	chr1	2.47E+08		0.343365	2.292671	0.023087	0.89634
cg08831528	chr13	1.13E+08		-0.29511	-2.29431	0.02299	0.895787
cg05178654	chr12	1.21E+08	TRIAP1	-0.23367	-2.2895	0.023274	0.897904
cg00526843	chr6	33084420		-0.39624	-2.29427	0.022993	0.895787
cg00101713	chr15	32984867		-0.32624	-2.29059	0.02321	0.897123
cg05227343	chr10	89736642		-0.28693	-2.2883	0.023346	0.898016
cg01604210	chr1	24129185		-0.17424	-2.29103	0.023184	0.89698
cg17075019	chr10	79541650	DLG5	0.350575	2.294406	0.022984	0.895787

cg20995055	chr12	45270896		-0.37585	-2.2907	0.023203	0.89698
cg08499347	chr10	1.35E+08		-0.38785	-2.28842	0.023338	0.898016
cg26540370	chr19	1374742	FSTL3	0.347399	2.291967	0.023128	0.89698
cg00385441	chr20	43991402		0.343515	2.287149	0.023414	0.898016
cg26876444	chr1	65887413		0.378558	2.287244	0.023408	0.898016
cg13206017	chr3	1.87E+08		0.387394	2.293486	0.023039	0.895932
cg04739149	chr3	99833293		-0.31218	-2.28504	0.02354	0.898773
cg17170278	chr10	3465856		-0.54071	-2.28921	0.023292	0.897904
cg13214886	chr12	1.22E+08		-0.26589	-2.28744	0.023397	0.898016
cg11252765	chr20	36151120		-0.38428	-2.29452	0.022978	0.895787
cg04655699	chr6	30512550		-0.26095	-2.29536	0.022928	0.895787
cg24199599	chr20	62681243		0.302674	2.295275	0.022933	0.895787
cg20399131	chr2	74010621		0.261882	2.289796	0.023257	0.897885
cg01148728	chr11	1.17E+08	ZNF259	-0.20874	-2.28897	0.023305	0.897904
cg02155287	chr1	2.36E+08		-0.28217	-2.29405	0.023005	0.895877
cg09412792	chr19	54664028		0.252973	2.293463	0.02304	0.895932
cg07703081	chr6	33131426	KIFC1;HLA-DOA;HLA-DMA;HLA-DMB	-0.23665	-2.29223	0.023113	0.896864
cg20331155	chr11	1892074	LSP1;C11orf21	0.291023	2.287297	0.023405	0.898016
cg19701540	chr10	1.35E+08		-0.28407	-2.29199	0.023127	0.89698
cg04722977	chr19	42724320	ENSG00000268027	-0.16707	-2.28923	0.02329	0.897904
cg15898414	chr1	58713367		0.379262	2.287203	0.023411	0.898016
cg21480725	chr15	30212981		-0.36604	-2.29069	0.023204	0.89698
cg19895786	chr1	26373006		0.215369	2.288289	0.023346	0.898016

cg19802138	chr13	1.13E+08		0.26618	2.293295	0.02305	0.896111
cg17264541	chr5	1.39E+08		-0.20368	-2.28739	0.0234	0.898016
ch.7.1147807F	chr7	49473528		0.334568	2.291458	0.023158	0.89698
cg19250101	chr19	54666215		0.22177	2.284318	0.023584	0.898937
cg00667298	chr6	29576329	HLA-F;HLA-E;HLA-A	-0.27639	-2.29035	0.023224	0.897348
cg03585454	chr19	5623009		0.139484	2.287039	0.023421	0.898016
cg06375068	chr6	15849678		0.260509	2.2912	0.023173	0.89698
cg00174573	chr12	1.25E+08	CCDC92	-0.3695	-2.28539	0.023519	0.89873
cg09832237	chr7	1.52E+08		0.338438	2.288272	0.023347	0.898016
cg25784617	chr3	39323539		-0.24419	-2.28664	0.023444	0.898074
cg04812556	chr11	9112715		0.348392	2.287033	0.023421	0.898016
cg06637938	chr14	75390232		0.348963	2.295984	0.022892	0.895787
cg18436324	chr6	32820583		-0.23499	-2.28514	0.023535	0.89873
cg14595059	chr17	29158948		0.145504	2.289038	0.023302	0.897904
cg14895945	chr19	12889086		0.132609	2.290873	0.023193	0.89698
cg13971265	chr9	1.39E+08		-0.24169	-2.28808	0.023359	0.898016
cg13885451	chr3	1.83E+08	CHRD;HSP90AA5P	-0.22463	-2.28508	0.023538	0.898751
cg24308654	chr4	48908619		-0.13585	-2.29167	0.023146	0.89698
cg11332236	chr15	90039818		0.363426	2.289956	0.023247	0.897603
cg23483840	chr6	29974844	HLA-F	0.639735	2.28376	0.023617	0.899219
cg16807241	chr22	20851062		-0.19223	-2.29137	0.023164	0.89698
cg26060817	chr5	14406676		0.233048	2.287521	0.023392	0.898016
cg20290491	chr6	1.39E+08		0.306789	2.292293	0.023109	0.896844
cg21295827	chr1	1.79E+08	RASAL2	-0.3297	-2.28746	0.023395	0.898016

cg06306636	chr18	12455633		-0.25123	-2.28872	0.02332	0.898016
cg17322935	chr7	91570297		0.15506	2.289317	0.023285	0.897904
cg21585138	chr3	50645106		-0.47304	-2.28642	0.023457	0.89823
cg12008054	chr13	53740191		-0.33531	-2.28901	0.023303	0.897904
cg25759533	chr19	6232399		-0.29654	-2.28535	0.023522	0.89873
cg16961545	chr12	16759571		-0.25145	-2.28876	0.023318	0.898016
cg24664038	chr6	27512849		0.412585	2.286562	0.023449	0.8981
cg09758689	chr8	48677108		0.310784	2.288645	0.023325	0.898016
cg12193327	chr2	31454631	GALNT14;SLC30A6	0.321373	2.289461	0.023276	0.897904
cg19035004	chr12	15942522		-0.18004	-2.28675	0.023438	0.898016
cg00157935	chr13	25292918		0.39639	2.288259	0.023348	0.898016
cg03496709	chr10	29698460		-0.46004	-2.28476	0.023557	0.898782
cg26517889	chr13	25497356		-0.29958	-2.28764	0.023385	0.898016
cg20748132	chr12	1.25E+08	DNAH10;CCDC92	0.288813	2.28921	0.023291	0.897904
cg18778933	chr5	52760204		0.292941	2.294452	0.022982	0.895787
cg08995556	chr6	1.1E+08		0.262736	2.291027	0.023184	0.89698
cg23380216	chr12	1.21E+08		-0.18008	-2.28926	0.023288	0.897904
cg06487098	chr16	81924972		-0.23995	-2.28242	0.023698	0.899356
cg06815630	chr16	88156829		-0.28368	-2.28679	0.023436	0.898016
cg25695610	chr12	56040106		0.533692	2.292698	0.023085	0.89634
cg14415816	chr12	1.07E+08		0.232228	2.286256	0.023467	0.89823
cg17324776	chr17	41116197	RPL27	-0.18624	-2.29121	0.023173	0.89698
cg00470761	chr10	1.35E+08		-0.22413	-2.28731	0.023405	0.898016
cg05243629	chr7	1.43E+08		0.289722	2.289319	0.023285	0.897904
cg08524015	chr11	1.3E+08		-0.24331	-2.29007	0.02324	0.89751

cg27315077	chr21	46404584		-0.24095	-2.28717	0.023413	0.898016
cg10950661	chr11	31849156		0.355393	2.291406	0.023161	0.89698
cg08641155	chr16	70469236		0.206013	2.281355	0.023762	0.899356
cg20216928	chr10	1.35E+08	BNIP3	-0.32793	-2.28182	0.023734	0.899356
cg07231479	chr5	1.41E+08		0.261007	2.291252	0.02317	0.89698
cg01106649	chr2	1.28E+08		-0.27596	-2.28698	0.023424	0.898016
cg12057242	chr2	9603687	ASAP2;CPSF3;KLF11	0.373314	2.296663	0.022852	0.895787
cg19555191	chr7	1.54E+08		0.296024	2.287365	0.023401	0.898016
cg15747825	chr6	28565626		0.393539	2.287146	0.023414	0.898016
cg23897927	chr2	2.37E+08		-0.31745	-2.28286	0.023672	0.899356
cg16593917	chr1	45793300		0.203054	2.285408	0.023518	0.89873
cg03117697	chr4	1.48E+08		-0.33612	-2.28752	0.023392	0.898016
cg19414722	chr5	1.02E+08		-0.28023	-2.28957	0.02327	0.897904
cg09196684	chr8	41386569		0.200839	2.286252	0.023468	0.89823
cg04919425	chr2	5551315		-0.37347	-2.28685	0.023432	0.898016
cg02595770	chr19	45867304		-0.25615	-2.28695	0.023426	0.898016
cg17053638	chr5	82159251		-0.22026	-2.28445	0.023576	0.898937
cg18058689	chr13	93879670		0.512422	2.285916	0.023488	0.898449
cg18314954	chr5	1.74E+08		-0.3174	-2.28388	0.02361	0.899219
cg00025626	chr2	2.39E+08		-0.27722	-2.28966	0.023265	0.897904
cg19295034	chr10	95721819		0.405249	2.284713	0.02356	0.898782
cg03540165	chr12	1.14E+08		0.195793	2.295983	0.022892	0.895787
cg24598906	chr15	61319340		0.239009	2.300012	0.022657	0.894355
cg24217948	chr18	42261980	ENSG00000267414	0.297099	2.289036	0.023302	0.897904

cg01102311	chr19	36644751		0.316348	2.281779	0.023737	0.899356
cg07444323	chr20	3654504		0.282311	2.282074	0.023719	0.899356
cg24861191	chr19	2740086		0.211678	2.283491	0.023633	0.899356
cg12027254	chr17	76055290	LINC00338;TMC8	0.310419	2.289357	0.023283	0.897904
cg17311063	chr14	51505490		-0.27507	-2.28146	0.023756	0.899356
cg13278267	chr2	38742843		0.543784	2.284685	0.023562	0.898782
cg11779808	chr8	2586225		0.540733	2.285538	0.02351	0.89873
cg11446193	chr11	57405815		-0.2716	-2.28521	0.02353	0.89873
cg19369424	chr6	1.52E+08		0.358911	2.282341	0.023703	0.899356
cg01202150	chr5	1.4E+08		0.226332	2.285813	0.023494	0.898449
cg20209009	chr17	45811322	LRRC37A17P	0.241076	2.284955	0.023545	0.898773
cg13643006	chr9	5833731		-0.30346	-2.28863	0.023326	0.898016
cg18952434	chr6	86446688		-0.33767	-2.28376	0.023617	0.899219
cg14746884	chr13	28537233	POMP	0.262992	2.286355	0.023462	0.89823
cg23056539	chr2	2.43E+08		-0.30116	-2.28618	0.023472	0.89823
cg09321029	chr16	67695670		0.173866	2.281051	0.023781	0.899356
cg22838602	chr15	23084962		0.257449	2.284584	0.023568	0.898854
cg12109728	chr4	87945786		-0.25419	-2.29051	0.023214	0.897139
cg09766323	chr1	27648393		-0.29325	-2.28325	0.023648	0.899356
cg11137578	chr5	80690458		0.39325	2.283123	0.023655	0.899356
cg02219700	chr13	95623675		0.284921	2.282238	0.023709	0.899356
cg03292544	chr17	27335348		-0.25151	-2.28667	0.023443	0.898074
cg09517450	chr5	1209057		-0.35741	-2.28151	0.023753	0.899356
cg21572722	chr6	11044894	HIVEP1;TMEM170B	0.252708	2.282011	0.023723	0.899356

cg26082280	chr22	39471675		-0.2257	-2.28592	0.023488	0.898449
cg14427972	chr9	1.41E+08		0.33375	2.28631	0.023464	0.89823
cg02598319	chr5	41160373		-0.32397	-2.28184	0.023733	0.899356
cg04504284	chr3	53079796		0.156814	2.285129	0.023535	0.89873
cg20825532	chr1	1.52E+08		-0.33138	-2.28761	0.023386	0.898016
cg03308628	chr12	95942287		-0.24565	-2.28269	0.023681	0.899356
cg08318365	chr2	29093905		0.342717	2.284511	0.023572	0.898937
cg25506325	chr7	2093962		-0.23858	-2.28209	0.023718	0.899356
cg13985445	chr9	90340577		0.372845	2.283149	0.023654	0.899356
cg12977686	chr17	62223379		0.231369	2.282436	0.023697	0.899356
cg03926958	chr10	9354305		-0.3274	-2.28415	0.023594	0.89917
cg14353258	chr7	1412822	SUN1	0.269669	2.284361	0.023581	0.898937
cg13785068	chr17	3416273	ITGAE	0.500532	2.281144	0.023775	0.899356
cg15676418	chr1	1.56E+08		0.214277	2.284302	0.023585	0.898937
cg20289746	chr10	1.06E+08	PDCD11	-0.21697	-2.28283	0.023673	0.899356
cg04513197	chr1	1.01E+08		0.2218	2.284103	0.023597	0.89917
cg26161329	chr17	56832991		0.257329	2.287213	0.02341	0.898016
cg14869845	chr5	1.11E+08		-0.2825	-2.28245	0.023696	0.899356
cg01208908	chr3	1.07E+08		-0.22175	-2.28465	0.023564	0.898786
cg22670033	chr5	1.81E+08	GFPT2	0.453429	2.281829	0.023734	0.899356
cg03738936	chr16	76670197		-0.33986	-2.28543	0.023517	0.89873
cg27265617	chr3	10371553		-0.2567	-2.28257	0.023689	0.899356
cg15585987	chr8	50824749		0.313634	2.28377	0.023617	0.899219
cg18305433	chr6	28972963		0.401934	2.282997	0.023663	0.899356
cg03427298	chr3	68982098		0.2652	2.287053	0.02342	0.898016

cg04705499	chr19	46796459		-0.27617	-2.28114	0.023775	0.899356
cg07531860	chr7	1.55E+08	ENSG00000272760	-0.46406	-2.28047	0.023816	0.899356
cg15155360	chr8	1.43E+08		0.263018	2.286063	0.023479	0.898358
cg02018277	chr15	65116255		0.404481	2.286851	0.023432	0.898016
cg00341885	chr19	4323034	TJP3	0.703443	2.286757	0.023438	0.898016
cg01768960	chr8	41505625		-0.15645	-2.28406	0.023599	0.89917
cg14930690	chr6	28973828		-0.34889	-2.28107	0.02378	0.899356
cg06211385	chr15	65400172		0.384023	2.284064	0.023599	0.89917
cg12041848	chr20	45523294		-0.35643	-2.28493	0.023547	0.898773
cg03295542	chr8	89777219		-0.34738	-2.2843	0.023584	0.898937
cg19436804	chr8	8560866		-0.30132	-2.28269	0.023681	0.899356
cg00585213	chr2	2.37E+08		0.301935	2.282624	0.023686	0.899356
cg14884776	chr19	15122181		-0.24509	-2.28518	0.023532	0.89873
cg08880261	chr21	43547872		1.899561	2.283793	0.023615	0.899219
cg25701444	chr12	54521977	ITGB7	-0.30228	-2.28683	0.023433	0.898016
cg03511266	chr8	1.42E+08		-0.28294	-2.28522	0.02353	0.89873
cg12414070	chr12	1.18E+08		0.291978	2.280398	0.02382	0.899356
cg12856788	chr5	1.68E+08	ENSG00000248222	-0.19498	-2.28547	0.023515	0.89873
cg07266412	chr7	1.02E+08		0.282886	2.287537	0.023391	0.898016
cg04388278	chr7	1.07E+08		-0.30462	-2.28768	0.023382	0.898016
cg13501616	chr6	29414910		-0.30755	-2.27963	0.023867	0.900373
cg07064406	chr20	43513064		-0.238	-2.28275	0.023678	0.899356
cg05556219	chr12	8372182		-0.20092	-2.28475	0.023558	0.898782
cg06499481	chr19	4932808		0.282967	2.290072	0.02324	0.89751
cg15991405	chr2	1.77E+08		0.359599	2.28789	0.02337	0.898016

cg24561348	chr20	43147940		-0.21315	-2.2893	0.023286	0.897904
cg19690214	chr6	1.55E+08		-0.3659	-2.28814	0.023355	0.898016
cg16555536	chr17	72733878		0.249786	2.285825	0.023493	0.898449
cg11821147	chr12	72057762		-0.26942	-2.29203	0.023125	0.89698
cg01269083	chr20	60744485		-0.23867	-2.28358	0.023628	0.899356
cg10413513	chr16	7106265		-0.2782	-2.27834	0.023945	0.900444
cg13915576	chr19	42807580		0.23712	2.283052	0.02366	0.899356
cg11529614	chr17	59941050		-0.25223	-2.28685	0.023432	0.898016
cg01273330	chr2	28605224		-0.28763	-2.28391	0.023608	0.899219
cg18905855	chr11	67195993		-0.20579	-2.28223	0.023709	0.899356
cg02093176	chr2	3660939		0.351509	2.28957	0.02327	0.897904
cg05526905	chr11	1.19E+08		0.313687	2.280539	0.023812	0.899356
cg03605066	chr5	1786804		0.314533	2.285252	0.023528	0.89873
cg22845723	chr15	64792069		-0.23627	-2.2781	0.02396	0.900444
cg08019058	chr2	1.06E+08		0.314056	2.288595	0.023328	0.898016
cg15488122	chr19	46105590		-0.28761	-2.28533	0.023523	0.89873
cg19005033	chr9	1.4E+08		0.249315	2.285193	0.023531	0.89873
cg17188169	chr6	74104388	DDX43	0.649293	2.278079	0.023961	0.900444
cg24701032	chr10	17183411		0.299974	2.281573	0.023749	0.899356
cg25064052	chr4	1.66E+08	CPE;HADHAP1;TLL1;ENSG00002048771	-0.32651	-2.28794	0.023367	0.898016
cg19790626	chr12	1.14E+08		0.230714	2.280838	0.023793	0.899356
cg08541599	chr19	579501		-0.25465	-2.28297	0.023665	0.899356
cg00102166	chr1	43425337	SLC2A1-AS1	-0.44926	-2.28079	0.023796	0.899356

cg11777611	chr17	63163163	DDX5	0.349148	2.283102	0.023657	0.899356
cg05280698	chr19	37825388	ZNF382	0.714234	2.281329	0.023764	0.899356
cg10626959	chr7	4800797		-0.28564	-2.28115	0.023774	0.899356
cg06952862	chr2	2.2E+08		0.176858	2.280914	0.023789	0.899356
cg05729093	chr16	27324953		-0.21729	-2.28197	0.023725	0.899356
cg02235562	chr13	36729137		0.392795	2.284955	0.023545	0.898773
cg13198709	chr10	1.02E+08		0.255171	2.279274	0.023888	0.900444
cg01907194	chr14	1.04E+08		-0.19684	-2.28109	0.023778	0.899356
cg03077836	chr2	9347292		-0.17421	-2.28204	0.023721	0.899356
cg14841879	chr4	1.7E+08		-0.20714	-2.28489	0.023549	0.898782
cg08699489	chr10	11504666		-0.29753	-2.28329	0.023645	0.899356
cg14254080	chr2	85106954		0.276743	2.287148	0.023414	0.898016
cg23445461	chr5	1.41E+08		-0.27413	-2.28674	0.023439	0.898016
cg12177299	chr15	43473738		0.433238	2.279269	0.023889	0.900444
cg26010182	chr1	1.47E+08		0.278863	2.292701	0.023085	0.89634
cg11377730	chr8	17270604		0.290026	2.282651	0.023684	0.899356
cg02267483	chr5	1.41E+08		0.381015	2.285875	0.02349	0.898449
cg16682257	chr1	2.45E+08	ENSG00000232192;ADSS;EFCAB2	-0.40084	-2.28813	0.023356	0.898016
cg02328545	chr5	1.8E+08	TRIM41	-0.38583	-2.28066	0.023804	0.899356
cg16466421	chr10	60029084		0.250352	2.281867	0.023731	0.899356
cg23099839	chr8	2585976		0.738092	2.278189	0.023954	0.900444
cg05338748	chr10	1.35E+08	MTG1	-0.24977	-2.28046	0.023816	0.899356
cg21707311	chr8	67940640		-0.40158	-2.27811	0.023959	0.900444
cg01697092	chr5	1.76E+08		0.251047	2.278116	0.023959	0.900444

cg10256219	chr17	44270511		-0.49008	-2.28069	0.023802	0.899356
cg02497785	chr7	48494608		0.470238	2.282929	0.023667	0.899356
cg07227926	chr12	1.05E+08		-0.15775	-2.28045	0.023817	0.899356
cg12117212	chr4	2438678	ZFYVE28	-0.20074	-2.2866	0.023447	0.898098
cg06413196	chr7	640338	PSMG3	0.456789	2.279245	0.02389	0.900444
cg15460046	chr19	18988945		-0.25439	-2.28182	0.023734	0.899356
cg23477849	chr19	5698492		-0.20867	-2.28301	0.023662	0.899356
cg24435924	chr19	12978255		0.236447	2.282352	0.023702	0.899356
cg17853691	chr13	94533744		-0.32313	-2.28035	0.023823	0.899356
cg25674709	chr12	1.06E+08	CKAP4	-0.18847	-2.27848	0.023937	0.900444
cg04268624	chr5	43037285		0.420862	2.281185	0.023772	0.899356
cg10676327	chr4	6659735		-0.48457	-2.28089	0.02379	0.899356
cg13605404	chr10	79736386		-0.22025	-2.28257	0.023689	0.899356
cg04815713	chr13	1.11E+08	COL4A2;COL4A1	0.248797	2.28314	0.023654	0.899356
cg01556979	chr22	50727524		0.346052	2.282501	0.023693	0.899356
cg08813349	chr13	1.01E+08		0.252971	2.283312	0.023644	0.899356
cg04479757	chr22	26951319	ASPHD2	0.27326	2.276582	0.024052	0.900532
cg07899634	chr6	33234620		-0.22538	-2.28052	0.023813	0.899356
cg11522069	chr7	82286499		-0.34676	-2.27874	0.023921	0.900444
cg12071888	chr1	91195159	TGFBR3	0.283046	2.283627	0.023625	0.899356
cg20619808	chr17	27313499	RPS7P1;SDF2;TWF1P1;TIAF1;TMEM199	-0.22063	-2.28167	0.023743	0.899356
cg08763705	chr5	1.4E+08		0.225849	2.279492	0.023875	0.900444

cg15306794	chr11	16998450	NUCB2;NCR3LG1;ENSG00000260196;USH1C;SOX6;PLEKHA7	0.372863	2.286823	0.023434	0.898016
cg08513253	chr6	1.08E+08	LACE1	0.380503	2.283772	0.023616	0.899219
cg21884231	chr3	1.7E+08		0.59606	2.282652	0.023684	0.899356
cg24773324	chr19	15529844		-0.26678	-2.28025	0.023829	0.899503
cg00721772	chr16	25122070		0.372844	2.283023	0.023662	0.899356
cg23319546	chr10	75173760		-0.24464	-2.28072	0.023801	0.899356
cg08033921	chr16	82362875		0.386261	2.284731	0.023559	0.898782
cg14429369	chr4	1.9E+08	FRG1	0.211041	2.284339	0.023582	0.898937
cg02487712	chr10	1.35E+08		-0.28267	-2.28037	0.023822	0.899356
cg10728452	chr11	1.34E+08		-0.20318	-2.28176	0.023737	0.899356
cg02240876	chr20	61924240	RPS21	-0.18986	-2.27809	0.02396	0.900444
cg24941241	chr6	1.23E+08		-0.3574	-2.28158	0.023749	0.899356
cg25320587	chr6	1684567	FOXQ1;FOXF2;MYLK4;FOXC1	0.474999	2.29384	0.023018	0.895932
cg22353792	chr12	53183508		-0.15387	-2.28061	0.023807	0.899356
cg00620629	chr6	1.17E+08	NIP7P3	-0.19857	-2.27868	0.023924	0.900444
cg25388971	chr5	1085895		-0.27657	-2.28071	0.023801	0.899356
cg05167857	chr16	86121574		-0.32894	-2.27683	0.024037	0.900532
cg03168447	chr17	79880450		0.287534	2.281414	0.023759	0.899356
cg02196734	chr15	75018032		-0.25239	-2.27977	0.023858	0.900213
cg02908285	chr3	30951484		-0.2401	-2.2776	0.02399	0.900505
cg18794473	chr8	77617694		-0.32335	-2.28225	0.023708	0.899356

cg00884334	chr15	34787920		0.364901	2.277646	0.023987	0.900505
cg13441142	chr10	1.34E+08		0.33141	2.27572	0.024105	0.900878
cg18952796	chr7	98246633	KPNA7	0.597735	2.285361	0.023521	0.89873
cg12165685	chr19	47288109	HIF3A;DACT3;NOVA2;EHD2;AP2S1	-0.35723	-2.27801	0.023965	0.900444
cg11205335	chr14	1.01E+08		0.333356	2.277936	0.02397	0.900483
cg05550893	chr17	1880884		0.212991	2.277489	0.023997	0.900532
cg04697299	chr2	2.01E+08	NIF3L1;SPATS2L	0.283666	2.27803	0.023964	0.900444
cg24914899	chr8	1.04E+08		-0.30084	-2.27884	0.023915	0.900444
cg04314130	chr2	2692944		0.283541	2.276865	0.024035	0.900532
cg06529685	chr8	43132125		0.337143	2.276379	0.024065	0.900532
cg09253931	chr11	826942	TMEM80	0.266854	2.281356	0.023762	0.899356
cg09479241	chr17	27052676	CORO6	-0.34637	-2.2801	0.023838	0.899767
cg09662150	chr8	38854671	PLEKHA2	-0.19653	-2.27836	0.023944	0.900444
cg10277864	chr6	7771406		-0.3244	-2.27938	0.023882	0.900444
cg22575347	chr6	31973180		-0.28381	-2.28317	0.023653	0.899356
cg05206661	chr2	11271531		0.313603	2.280868	0.023792	0.899356
cg04383154	chr17	80968667		-0.44338	-2.27863	0.023927	0.900444
cg08230215	chr19	18208303		0.300474	2.278114	0.023959	0.900444
cg21229268	chr21	34442350		0.443811	2.278653	0.023926	0.900444
cg03160174	chr12	12015769		0.294266	2.279134	0.023897	0.900444
cg11521467	chr17	71640299		-0.22302	-2.27655	0.024054	0.900532
ch.13.88042475R	chr13	89244474		-0.35447	-2.27639	0.024064	0.900532
cg21639178	chr7	32530047		-0.1708	-2.2784	0.023942	0.900444
cg22321327	chr11	47639458		-0.34533	-2.28592	0.023487	0.898449

cg05435853	chr12	56615825		-0.21888	-2.28233	0.023703	0.899356
cg03464529	chr10	76833368		0.213704	2.277808	0.023977	0.900487
cg07931783	chr6	49431133		-0.1466	-2.28621	0.02347	0.89823
cg08553857	chr19	994362	ARID3A	0.330754	2.274795	0.024162	0.901802
cg25324105	chr19	38183259	ZNF781	0.328611	2.277268	0.02401	0.900532
cg00496004	chr11	1.3E+08		-0.24335	-2.27823	0.023952	0.900444
cg04951204	chr7	94537584		0.191606	2.281157	0.023774	0.899356
cg25193073	chr7	1967621		0.201319	2.278118	0.023959	0.900444
cg22873661	chr14	88788597	GALC	0.336569	2.279915	0.023849	0.900042
cg21589115	chr19	49867114		0.292517	2.273351	0.02425	0.902157
cg22065500	chr7	1.29E+08		-0.17039	-2.28141	0.023759	0.899356
cg26278457	chr7	76029881		0.258185	2.27623	0.024074	0.900532
cg05041596	chr11	89867385		-0.61559	-2.27583	0.024098	0.900878
cg16345720	chr11	64727184	FERMT3;RASGRP2;CTSW;SIPA1;NAALADL1;OVOL1	-0.39704	-2.27866	0.023926	0.900444
cg04021014	chr22	49502115		-0.20511	-2.28003	0.023842	0.899855
cg13908507	chr10	71876389	PRF1	-0.22377	-2.27788	0.023973	0.900483
cg02744524	chr3	1.39E+08		0.323223	2.276694	0.024046	0.900532
cg15848493	chr13	1.13E+08		-0.26452	-2.27638	0.024065	0.900532
cg21144462	chr17	42082647		0.181667	2.278106	0.023959	0.900444
cg09299388	chr6	49755190		-0.32448	-2.28245	0.023696	0.899356
cg26537076	chr2	1.97E+08		0.268718	2.274494	0.02418	0.902014
cg18265665	chr7	93534024		-0.30005	-2.28205	0.02372	0.899356
cg23632389	chr17	79953908		-0.25423	-2.27305	0.024269	0.902168

cg14453935	chr18	77398086		0.302322	2.278098	0.02396	0.900444
cg07097041	chr18	12658644	ENSG00000267199	0.371158	2.27871	0.023923	0.900444
cg13322131	chr6	50814305		0.228607	2.280691	0.023802	0.899356
cg08965723	chr16	1662801	IFT140	-0.19663	-2.2752	0.024137	0.901261
cg02392575	chr12	1.01E+08		-0.16379	-2.27756	0.023993	0.900516
cg17804651	chr1	1.1E+08		0.188444	2.281563	0.02375	0.899356
cg05776388	chr17	72983414	RPL38	0.264226	2.275143	0.02414	0.901313
cg17162682	chr2	1.36E+08		0.447087	2.273606	0.024235	0.902157
cg14312586	chr17	8079878		0.140025	2.276843	0.024036	0.900532
cg02765962	chr5	1.75E+08		0.239592	2.27608	0.024083	0.900532
cg14557909	chr17	27055507	RPS7P1	-0.21746	-2.27384	0.02422	0.902157
cg24677278	chr6	28479430		-0.32978	-2.27801	0.023965	0.900444
cg25770495	chr19	14692759		0.2137	2.278307	0.023947	0.900444
cg21877656	chr19	58662188		-0.1678	-2.2797	0.023862	0.900285
cg19304432	chr11	1.03E+08		-0.18814	-2.27763	0.023988	0.900505
cg18502617	chr11	64067409	RARRES3;VEGFB;NAALADL1;C11orf95	-0.31088	-2.27663	0.024049	0.900532
cg03765885	chr2	1.2E+08		0.283107	2.275419	0.024123	0.900998
cg11217666	chr3	1.35E+08		-0.26266	-2.2755	0.024118	0.900998
cg10039590	chr8	8859974		0.296094	2.277851	0.023975	0.900483
cg12772821	chr2	1.02E+08		-0.32091	-2.27718	0.024016	0.900532
cg27145740	chr22	50725817	DENND6B;ODF3B	0.303827	2.278934	0.023909	0.900444
cg07816200	chr6	79580466		-0.21878	-2.27255	0.0243	0.902441
cg11200358	chr6	24719988		0.22501	2.273871	0.024218	0.902157

cg23623386	chr1	63793318	DLEU2L	-0.26609	-2.2818	0.023735	0.899356
cg08085639	chr19	1506135	C19orf25	-0.29146	-2.27617	0.024077	0.900532
cg16775939	chr3	1.97E+08		-0.28125	-2.27556	0.024115	0.900998
cg08516035	chr1	2.49E+08		0.189979	2.279281	0.023888	0.900444
cg20979003	chr3	1.41E+08		-0.17691	-2.27871	0.023922	0.900444
cg14285533	chr7	63386328	ENSG00000227910;ENSG00000214652;NMD3P1	0.649901	2.2731	0.024266	0.902168
cg13013179	chr2	1.1E+08		0.258269	2.280362	0.023822	0.899356
cg04062907	chr12	1.11E+08		-0.23182	-2.28045	0.023817	0.899356
cg09638001	chr20	44520063		-0.16372	-2.27607	0.024084	0.900532
ch.10.1159788F	chr10	54520479		0.491854	2.276145	0.024079	0.900532
cg21754388	chr13	37004747		0.363706	2.27374	0.024227	0.902157
cg06654537	chr13	1.01E+08		0.243833	2.275715	0.024105	0.900878
cg06961163	chr17	18759701	SNORD3B-1;FLII	0.202132	2.276423	0.024062	0.900532
cg26326298	chr15	42867856		-0.18932	-2.27584	0.024098	0.900878
cg09518131	chr16	28975995		-0.21804	-2.27578	0.024101	0.900878
cg16457307	chr8	1381090		-0.26984	-2.27346	0.024244	0.902157
cg22954703	chr4	980640		-0.18109	-2.27479	0.024162	0.901802
cg11213690	chr7	1.49E+08		0.258826	2.272985	0.024273	0.902168
cg01687040	chr12	55043559		-0.33584	-2.27528	0.024132	0.901243
cg00022024	chr9	1.39E+08		0.283512	2.277769	0.02398	0.900487
cg07802909	chr5	1.7E+08		0.305627	2.275241	0.024134	0.901249
cg19708201	chr1	2.38E+08		-0.50433	-2.27984	0.023854	0.900142
cg21503904	chr17	41025548		0.28894	2.277463	0.023999	0.900532

cg08970694	chr11	5290746		-0.30401	-2.27384	0.02422	0.902157
cg10722846	chr8	1.41E+08		0.171774	2.278413	0.023941	0.900444
cg20315124	chr5	26669632		0.36053	2.273726	0.024227	0.902157
cg19736503	chr6	84563604		0.365615	2.27405	0.024207	0.902157
cg06652146	chr10	14879979		-0.18218	-2.27722	0.024013	0.900532
cg13891768	chr4	1.12E+08		0.415756	2.278295	0.023948	0.900444
cg23290344	chr8	24771466		0.592758	2.274566	0.024176	0.901929
cg19954448	chr17	76641496		-0.31448	-2.2773	0.024009	0.900532
cg05387519	chr1	50489730	ENSG00000237478	0.336992	2.278526	0.023934	0.900444
cg01062519	chr17	34122169		0.245396	2.272524	0.024301	0.902441
cg09475815	chr1	2.47E+08		0.128923	2.276114	0.024081	0.900532
cg15198344	chr19	48304772		-0.28324	-2.27716	0.024017	0.900532
cg23508184	chr12	1.33E+08	ENSG00000256576	-0.29737	-2.27211	0.024327	0.902459
cg05492845	chr11	64002298	ATL3	0.139991	2.281491	0.023754	0.899356
cg06920888	chr10	1.31E+08		0.323777	2.273341	0.024251	0.902157
cg02181559	chr7	1.53E+08		-0.35013	-2.27169	0.024353	0.902459
cg16692494	chr7	1.01E+08		0.264054	2.273552	0.024238	0.902157
cg13661623	chr12	6786877	USP5	0.245877	2.276913	0.024032	0.900532
cg13914486	chr10	6117324		-0.44867	-2.27689	0.024033	0.900532
cg07510175	chr7	1030700	SUN1	-0.38396	-2.27417	0.0242	0.902157
cg10858523	chr1	1.51E+08		0.230623	2.278128	0.023958	0.900444
cg19136717	chr15	72766740		-0.20277	-2.27241	0.024308	0.902459
cg10289080	chr4	1.75E+08		0.278032	2.276438	0.024061	0.900532
cg13546173	chr1	93645433		0.238363	2.270678	0.024416	0.902755
cg23730222	chr17	717806		-0.27562	-2.27435	0.024189	0.902157

cg12313593	chr19	15619224		0.296755	2.272778	0.024286	0.902173
cg21819468	chr1	13910569		-0.34277	-2.2767	0.024045	0.900532
cg16559598	chr12	1.15E+08		0.193439	2.274411	0.024185	0.902125
cg24152818	chr13	72259543		-0.37362	-2.27711	0.02402	0.900532
cg07959574	chr4	42401056		0.335445	2.277099	0.024021	0.900532
cg21270675	chr2	54859871		-0.25299	-2.27792	0.023971	0.900483
cg13215387	chr10	1.05E+08		-0.23708	-2.27196	0.024336	0.902459
cg02248486	chr7	27183196		0.299754	2.282778	0.023676	0.899356
cg12039197	chr2	74120092	HK2;MTHFD2	0.26646	2.275474	0.02412	0.900998
cg15279616	chr6	1.68E+08		-0.23766	-2.2772	0.024015	0.900532
cg18772127	chr3	32443496		0.211978	2.275434	0.024123	0.900998
cg16168705	chr13	24462987		-0.22392	-2.27664	0.024049	0.900532
cg05380003	chr5	1.76E+08		-0.19372	-2.27382	0.024222	0.902157
cg02008154	chr7	35293537		0.309336	2.272226	0.02432	0.902459
cg09066439	chr1	1.47E+08		0.199758	2.27323	0.024258	0.902157
cg01439488	chr20	10015909		0.28794	2.278348	0.023945	0.900444
cg13155059	chr7	1.17E+08		0.272772	2.27511	0.024142	0.901313
cg02204618	chr2	36842633		-0.35398	-2.27287	0.02428	0.902173
cg01288067	chr9	36572645		-0.19729	-2.27302	0.024271	0.902168
cg01295477	chr2	2.04E+08		0.225321	2.275713	0.024106	0.900878
cg00281551	chr4	41884566		0.303126	2.277625	0.023989	0.900505
cg24925901	chr13	1.12E+08		0.299905	2.273092	0.024266	0.902168
cg03668621	chr18	268184		-0.21268	-2.28392	0.023608	0.899219
cg24346905	chr1	1.08E+08		0.476749	2.273404	0.024247	0.902157
cg00927364	chr2	66275191		-0.33647	-2.2699	0.024463	0.903165

cg22117107	chr15	45993392		0.260664	2.278289	0.023948	0.900444
cg16235371	chr5	1.41E+08		0.291564	2.277429	0.024001	0.900532
cg25736183	chr2	1.35E+08	MAP3K19	-0.26922	-2.27629	0.02407	0.900532
cg00706966	chr12	54965787	NCKAP1L;TESPA1	-0.17486	-2.27917	0.023894	0.900444
cg25718035	chr10	8085029		0.231038	2.273526	0.02424	0.902157
cg03353885	chr13	1.13E+08		0.307105	2.272104	0.024327	0.902459
cg03688400	chr22	40061578		-0.18848	-2.27116	0.024386	0.902571
cg00536366	chr22	40052857	TOMM22	0.252365	2.271987	0.024335	0.902459
cg11406667	chr6	11272495	MAK;C6orf52;SYCP2L;SMIM13	-0.27053	-2.27627	0.024072	0.900532
cg16691863	chr1	28848173		-0.21297	-2.27419	0.024199	0.902157
cg01943657	chr4	1.02E+08		-0.20415	-2.27099	0.024396	0.902571
cg19940584	chr1	1.16E+08		0.292385	2.280614	0.023807	0.899356
cg16674433	chr17	19314408		-0.22927	-2.27384	0.02422	0.902157
cg10888031	chr1	2938799		-0.37204	-2.26922	0.024506	0.903179
cg07294624	chr20	62374166		0.305003	2.27932	0.023886	0.900444
cg05332308	chr16	62442964		0.466037	2.274567	0.024176	0.901929
cg18793288	chr20	30946072		-0.15411	-2.27109	0.02439	0.902571
cg07828612	chr1	1.74E+08		0.275967	2.26941	0.024494	0.903179
cg21004358	chr4	1.87E+08		0.946052	2.274057	0.024207	0.902157
cg08815081	chr10	28035731		0.306761	2.271392	0.024371	0.902571
cg09933726	chr11	67250445		-0.19283	-2.27404	0.024208	0.902157
cg21539243	chr1	1.14E+08		-0.32838	-2.27469	0.024168	0.901923
cg08297393	chr2	1.01E+08	LONRF2	0.465899	2.272069	0.02433	0.902459
cg08088171	chr17	77003113		0.180344	2.268911	0.024525	0.903179

cg23544526	chr7	66368779		-0.26155	-2.27072	0.024413	0.902735
cg14652056	chr6	29760688		0.238278	2.273125	0.024264	0.902168
cg15465571	chr1	17338208		-0.1977	-2.2766	0.024051	0.900532
cg22339356	chr7	8473385		0.185226	2.272913	0.024277	0.902173
cg04296778	chr1	94344488		0.199017	2.272207	0.024321	0.902459
cg06490845	chr16	88858315		0.254059	2.277746	0.023981	0.900487
cg04510788	chr1	37498900	MEAF6	0.388884	2.270929	0.0244	0.902571
cg13386217	chr8	2019935		-0.26255	-2.27263	0.024295	0.902408
cg01948201	chr2	64682236		0.208105	2.276165	0.024078	0.900532
cg23407970	chr6	1.26E+08		-0.29077	-2.27366	0.024231	0.902157
cg17181543	chr1	77746571		-0.22339	-2.27661	0.024051	0.900532
cg11774251	chr8	697110		0.356759	2.276111	0.024081	0.900532
cg14601938	chr1	1.5E+08		-0.17316	-2.2697	0.024476	0.903179
cg04099803	chr1	81772036		0.342249	2.269957	0.02446	0.903165
cg11991859	chr14	33408527		-0.29118	-2.27299	0.024272	0.902168
cg24151267	chr17	48556017		-0.21955	-2.27913	0.023897	0.900444
cg25559262	chr6	30432200		0.367749	2.270203	0.024445	0.903165
cg27512707	chr6	9896436		-0.25229	-2.27176	0.024349	0.902459
cg15685672	chr5	95298307		0.284503	2.271847	0.024343	0.902459
cg00027400	chr18	49866412		0.307798	2.268658	0.024541	0.903247
cg00175734	chr6	8082136		0.334487	2.276132	0.02408	0.900532
cg10074513	chr1	3541656		0.19695	2.275547	0.024116	0.900998
cg12382846	chr20	60892121		-0.58469	-2.27126	0.024379	0.902571
cg11688616	chr1	2.42E+08		0.190754	2.271004	0.024395	0.902571
cg25076408	chr6	1.59E+08		-0.34059	-2.26787	0.02459	0.90356

cg10600004	chr20	61664556		-0.44181	-2.26595	0.024709	0.903591
cg06900514	chr2	39696979		-0.37907	-2.2693	0.024501	0.903179
cg05757378	chr10	89510422		-0.41869	-2.27187	0.024342	0.902459
cg22340508	chr19	22891978		0.427291	2.273302	0.024254	0.902157
cg26870337	chr1	22777672		-0.22013	-2.27323	0.024258	0.902157
cg04642627	chr16	81944286		-0.31291	-2.27087	0.024404	0.902571
cg03370270	chr7	1.06E+08	ENSG00000272072	-0.23299	-2.27458	0.024175	0.901929
cg02281493	chr10	67086005		-0.35797	-2.27565	0.024109	0.900937
cg01863081	chr8	1.44E+08		-0.28896	-2.27231	0.024315	0.902459
cg11251858	chr6	1.52E+08		0.303067	2.274853	0.024158	0.901802
cg17140978	chr8	26324990	EBF2;PTK2B	-0.35072	-2.27287	0.02428	0.902173
cg23121170	chr5	1.56E+08	SGCD;CLINT1;LSM11	-0.32504	-2.26995	0.024461	0.903165
ch.2.1726169F	chr2	76544366	RN7SKP203	0.443741	2.269216	0.024506	0.903179
cg23333513	chr19	38210837		0.245837	2.274205	0.024198	0.902157
cg12859213	chr7	30637735		0.284384	2.269655	0.024479	0.903179
cg23232612	chr19	42351841	RPS19	0.225491	2.269223	0.024506	0.903179
cg01266543	chr2	1.36E+08		-0.25977	-2.26979	0.02447	0.903165
cg00647403	chr16	23521932		0.282332	2.272002	0.024334	0.902459
cg07699300	chr15	29392964		-0.23219	-2.27232	0.024314	0.902459
cg26666133	chr12	90101389		0.184127	2.276987	0.024028	0.900532
cg07900658	chr6	7389903		-0.2584	-2.27121	0.024382	0.902571
cg13149600	chr21	43374220	C2CD2	-0.21311	-2.26731	0.024625	0.903573
cg03432736	chr4	10119609		0.35335	2.269291	0.024502	0.903179
cg26724248	chr22	46645903		-0.40493	-2.27105	0.024392	0.902571

cg01267532	chr18	76266372		0.397427	2.270985	0.024396	0.902571
cg06053738	chr6	30068793	ZNRD1-AS1	-0.17144	-2.26902	0.024518	0.903179
cg06727093	chr5	1.57E+08		0.208445	2.271501	0.024365	0.902571
cg14976978	chr11	67159397		-0.1468	-2.27261	0.024296	0.902408
cg23741982	chr12	68726228		-0.25924	-2.26892	0.024524	0.903179
cg05089090	chr13	37005570		0.178643	2.272362	0.024311	0.902459
cg00694557	chr1	61351861		-0.39625	-2.26916	0.02451	0.903179
cg03398966	chr3	48225680		-0.17464	-2.27171	0.024352	0.902459
cg03032443	chr19	6280893		0.36905	2.27112	0.024388	0.902571
cg22862094	chr5	1.07E+08		-0.47319	-2.27211	0.024327	0.902459
cg08060454	chr3	1.37E+08		0.202762	2.269933	0.024462	0.903165
cg10600917	chr12	1.21E+08		0.184009	2.273748	0.024226	0.902157
cg17328659	chr16	729498		0.299744	2.267631	0.024605	0.903573
cg18562121	chr2	27076093	C2orf70;MAPRE3;DRC1;IFT172;AGBL5	-0.35223	-2.26696	0.024647	0.903573
cg21865845	chr3	79815848		0.354789	2.266973	0.024646	0.903573
cg22356381	chr12	81026691		0.323256	2.274002	0.02421	0.902157
cg21577121	chr1	2.31E+08	ENSG00000244137;CAPN9	-0.21477	-2.26889	0.024526	0.903179
cg20665205	chr15	49254494	SHC4	-0.48123	-2.2735	0.024242	0.902157
cg06562644	chr10	1.35E+08		-0.2648	-2.26604	0.024704	0.903591
cg15334380	chr17	178107		0.199213	2.274222	0.024197	0.902157
cg12940269	chr6	1.6E+08		0.282568	2.267825	0.024593	0.90356
cg01994599	chr6	56911255		-0.19864	-2.27093	0.0244	0.902571
cg13332130	chr19	41284234		-0.14732	-2.26717	0.024633	0.903573

cg25007422	chr14	97211894	ENSG00000258702;C14orf132	-0.26591	-2.27107	0.024391	0.902571
cg21375558	chr18	3262144		0.179253	2.266607	0.024669	0.903591
cg27006169	chr4	85612912	WDFY3-AS2	-0.53566	-2.27283	0.024283	0.902173
cg15617297	chr10	81965460		-0.19153	-2.26978	0.024471	0.903165
cg09251317	chr14	77393865	SAMD15;TMEM63C;IFT43;NOXRED1	-0.26354	-2.2737	0.024229	0.902157
cg02711849	chr3	1.26E+08	CCDC37	0.203406	2.270131	0.024449	0.903165
cg13889467	chr9	1.38E+08		-0.2604	-2.27148	0.024366	0.902571
cg06295071	chr21	33766731		-0.3106	-2.26816	0.024572	0.90356
cg07143083	chr7	70597921		0.660817	2.267345	0.024623	0.903573
cg00167655	chr2	71559112		-0.31457	-2.27009	0.024452	0.903165
cg26389465	chr11	1.12E+08	ENSG00000214264;ENSG00000255428;ENSG00000255093;BTG4;BCO2;ENSG00000255208;POU2AF1	-0.20785	-2.26776	0.024597	0.90356
cg10101458	chr12	50561094		-0.16712	-2.26673	0.024661	0.903591
cg18472185	chr4	1.7E+08		0.309975	2.268998	0.02452	0.903179
cg04267828	chr16	85741460	FAM92B;FOXF1;USP10;ENSG00000262601;FENDRR	0.282796	2.272116	0.024327	0.902459
cg07123227	chr8	30891112		-0.20444	-2.26866	0.024541	0.903247
ch.15.1606867R	chr15	92547181		-0.26816	-2.26936	0.024497	0.903179

cg00739066	chr4	1.84E+08		0.344605	2.270017	0.024456	0.903165
cg06613755	chr15	91538151		-0.18981	-2.2702	0.024445	0.903165
cg15454857	chr15	40861335		-0.3511	-2.26673	0.024661	0.903591
cg19831077	chr7	1.51E+08	GIMAP8;GIMAP5	0.232344	2.265263	0.024753	0.90377
cg21008208	chr7	1.51E+08	NOS3;CDK5	-0.34223	-2.27859	0.02393	0.900444
cg26413942	chr5	1.24E+08		-0.36467	-2.27236	0.024311	0.902459
cg09151613	chr2	2.18E+08	TNS1;DIRC3	0.298607	2.269173	0.024509	0.903179
cg05153364	chr12	4382086		-0.17417	-2.27326	0.024256	0.902157
cg26589069	chr16	4983989	VASN;PPL;GLIS2;SRL	-0.34975	-2.26896	0.024522	0.903179
ch.1.4603470R	chr1	2.33E+08		0.425999	2.269446	0.024492	0.903179
cg09226319	chr4	74698986		-0.25533	-2.28061	0.023807	0.899356
cg02508697	chr11	1.24E+08		-0.42294	-2.26742	0.024618	0.903573
cg08997253	chr9	1.05E+08		0.34008	2.269749	0.024473	0.903165
cg05084700	chr13	1.14E+08		-0.20774	-2.26836	0.024559	0.90356
cg23778596	chr7	1.49E+08		0.47206	2.271193	0.024384	0.902571
cg11058696	chr20	16711094		0.223421	2.271058	0.024392	0.902571
cg00088183	chr1	91185168		0.360476	2.267099	0.024638	0.903573
cg22036526	chr19	17330079	COLGALT1	-0.2226	-2.26907	0.024515	0.903179
cg07828294	chr10	14091532	CDNF;MEIG1;CCDC3	0.431688	2.270579	0.024422	0.902903
cg25678088	chr7	96632460		0.217111	2.269127	0.024512	0.903179
cg15967188	chr4	2470700		-0.24568	-2.27002	0.024456	0.903165
cg20808089	chr6	11360140		-0.3174	-2.26895	0.024523	0.903179
cg17030841	chr2	2.4E+08		-0.18411	-2.26977	0.024472	0.903165
cg11276189	chr7	1.59E+08		0.480192	2.299669	0.022677	0.894355

cg14595275	chr17	62075755		-0.22288	-2.26606	0.024703	0.903591
cg27178922	chr1	2.13E+08		0.280857	2.27024	0.024443	0.903165
cg21926603	chr8	1.24E+08		0.237298	2.27174	0.02435	0.902459
cg01666793	chr19	54485460		0.350666	2.265111	0.024762	0.90377
cg04300873	chr17	42254647	TMEM106A	0.415898	2.264247	0.024817	0.903923
cg02106941	chr8	24772137		0.436111	2.269185	0.024508	0.903179
cg00889398	chr13	28502089		0.267556	2.265114	0.024762	0.90377
cg16102739	chr1	9224376		-0.33842	-2.26692	0.024649	0.903586
cg08146698	chr7	178613		-0.29173	-2.26447	0.024803	0.903923
cg24606662	chr1	1.86E+08		-0.2925	-2.27338	0.024248	0.902157
cg24724513	chr2	44513905	LINC01121	0.279871	2.268053	0.024579	0.90356
cg23728359	chr7	6290148		-0.41298	-2.2714	0.024371	0.902571
cg13728285	chr9	1.12E+08		-0.38174	-2.26784	0.024592	0.90356
cg13843964	chr9	1.28E+08		0.158884	2.273742	0.024226	0.902157
cg19619206	chr17	7017569		0.348442	2.26833	0.024561	0.90356
cg02562431	chr4	1.34E+08		0.283211	2.265651	0.024729	0.903591
cg11538307	chr5	40984654		-0.28228	-2.26442	0.024806	0.903923
cg11238048	chr6	1.69E+08		0.411797	2.267585	0.024608	0.903573
cg19436414	chr13	20734680		-0.25846	-2.26666	0.024665	0.903591
cg18465319	chr3	1.16E+08		-0.28317	-2.26714	0.024635	0.903573
cg11839365	chr3	1.94E+08		0.250866	2.264236	0.024817	0.903923
cg03617456	chr1	11160205		0.229748	2.276276	0.024071	0.900532
cg14614693	chr5	1.15E+08		-0.17848	-2.2691	0.024514	0.903179
cg24702069	chr13	1.09E+08		-0.96871	-2.26396	0.024835	0.904023
cg13694662	chr9	1.4E+08		-0.22576	-2.26662	0.024668	0.903591

cg06416110	chr7	1.57E+08	ENSG00000231980;PTPRN2;RNF32;ENSG00000233038;ENSG00000222012	0.634636	2.274671	0.024169	0.901923
cg13956645	chr4	757385		-0.24969	-2.26603	0.024705	0.903591
cg19256094	chr19	18980744		0.322	2.269119	0.024512	0.903179
cg19504245	chr19	55660620		0.491575	2.265065	0.024765	0.90377
cg25594736	chr15	67391147	AAGAB;SMAD6;SNAPC5	-0.45595	-2.26703	0.024642	0.903573
cg07644368	chr5	1.15E+08		0.348535	2.270827	0.024406	0.902571
cg14047008	chr1	1.74E+08		-0.30548	-2.26664	0.024667	0.903591
cg14430738	chr6	26596151		0.155851	2.26576	0.024722	0.903591
cg14813083	chr11	18477280	ENSG00000256361	0.505181	2.267907	0.024588	0.90356
cg07796016	chr1	1.53E+08		1.195794	2.2701	0.024451	0.903165
cg13520771	chr12	50236965		-0.16818	-2.2678	0.024594	0.90356
cg25425089	chr10	1.31E+08		-0.31589	-2.2651	0.024763	0.90377
cg04157658	chr11	1.1E+08		-0.50409	-2.26237	0.024935	0.904516
cg04774229	chr20	62670729	RGS19	0.219699	2.264877	0.024777	0.903846
cg16185834	chr20	25062819		0.202666	2.264507	0.0248	0.903923
cg01329434	chr5	1.32E+08	UQCRQ;ZCCHC10;HSPA4;C5orf56	-0.18545	-2.26782	0.024593	0.90356
cg23597629	chr1	2.3E+08		0.240581	2.265815	0.024718	0.903591
cg18067644	chr22	46932066		0.797937	2.263606	0.024857	0.904023
cg13279476	chr3	15372965	RFTN1;GRIP2	-0.32118	-2.26727	0.024627	0.903573
cg20992011	chr8	1.45E+08		-0.18735	-2.26549	0.024738	0.903591

cg09877173	chr11	72380291		-0.23587	-2.26674	0.02466	0.903591
cg22210061	chr22	43048123	EFCAB6;CENPM	0.265832	2.265899	0.024713	0.903591
cg12034297	chr1	1.6E+08	ENSG00000225670	-0.31769	-2.26501	0.024769	0.90377
cg17655609	chr11	1.25E+08		-0.18398	-2.26601	0.024706	0.903591
cg00943083	chr5	78134577		-0.29872	-2.26539	0.024745	0.903747
cg02222454	chr3	1.42E+08		-0.20721	-2.27279	0.024285	0.902173
cg04169483	chr8	1.45E+08	GPIHBP1	-0.25555	-2.26639	0.024682	0.903591
cg01950958	chr1	1.46E+08		0.294463	2.264456	0.024803	0.903923
cg06347928	chr2	1.63E+08		-0.21813	-2.26631	0.024687	0.903591
cg09835675	chr16	30546404		0.221712	2.270354	0.024436	0.903165
cg22084339	chr7	752979		-0.26341	-2.26767	0.024602	0.90356
cg04488521	chr5	1.78E+08		0.422479	2.27053	0.024425	0.902938
cg18712348	chr5	1.38E+08	SNORA74A;MZB1	-0.33755	-2.27149	0.024365	0.902571
cg01067405	chr19	54850417		0.52261	2.267495	0.024613	0.903573
cg06455180	chr10	1.33E+08		0.338274	2.270853	0.024405	0.902571
cg05202347	chr15	70381525	LARP6	0.42475	2.264906	0.024775	0.903846
cg22629528	chr11	1.33E+08		0.540108	2.265141	0.02476	0.90377
cg04643655	chr15	48413344		-0.30145	-2.26786	0.02459	0.90356
cg07726288	chr1	2.49E+08		0.368793	2.268824	0.024531	0.903179
cg16497018	chr10	1.02E+08		0.234223	2.271023	0.024394	0.902571
cg15685922	chr1	1.56E+08	NES;SYT11;PEAR1;SMG5;RAB25;MUC1;ASH1L;SLC50A1;MTX1;MEF2D;ARHGEF2	-0.25955	-2.27222	0.02432	0.902459

cg20519670	chr14	65172006		0.326367	2.264486	0.024802	0.903923
cg02617551	chr3	53116737	ENSG00000113811	-0.21688	-2.26579	0.02472	0.903591
cg11866527	chr2	65215494		-0.21791	-2.26812	0.024574	0.90356
cg20269554	chr1	55181235		0.296487	2.265193	0.024757	0.90377
cg12292213	chr8	1.34E+08		0.234149	2.262955	0.024898	0.904228
cg18660976	chr5	1.63E+08		0.230222	2.271346	0.024374	0.902571
cg05697754	chr7	99576547		-0.18013	-2.26366	0.024854	0.904023
cg06392241	chr12	93771346	ENSG00000257252	0.276167	2.26768	0.024602	0.90356
cg04936178	chr7	1.57E+08		0.32927	2.264247	0.024817	0.903923
cg15113915	chr6	1.69E+08		0.270641	2.26824	0.024567	0.90356
cg19048950	chr13	30915492		0.356743	2.264934	0.024773	0.903846
cg12332917	chr6	32158409		-0.22032	-2.2657	0.024726	0.903591
cg10815625	chr1	1.65E+08		0.20755	2.262261	0.024942	0.904516
cg15670005	chr7	1.34E+08		0.34311	2.262847	0.024905	0.904228
cg18756868	chr18	19284803		0.150213	2.263167	0.024884	0.904228
cg00004806	chr6	1.62E+08		0.236506	2.262931	0.024899	0.904228
cg09935822	chr11	1.12E+08		0.22314	2.267077	0.024639	0.903573
ch.9.1173620F	chr9	89153306		0.409189	2.264738	0.024786	0.903903
cg20728496	chr11	71163555		-0.28782	-2.26298	0.024896	0.904228
cg17429382	chr19	3786246	CHAF1A;MATK	0.222973	2.267054	0.024641	0.903573
cg06107796	chr11	1.3E+08	TMEM45B;ARHGAP32;ENSG00000255455;SNX19	0.449649	2.274043	0.024208	0.902157
cg00097432	chr3	1.14E+08	ENSG00000259976	0.26137	2.262009	0.024957	0.904516
cg03060468	chr5	1.41E+08		0.294418	2.261586	0.024984	0.904516

			TNFRSF10D;TNFRSF10B;TNFRSF10A;SLC25A37;NKX3-1;BIN3;ENSG00000246582;RHOB				
cg27392395	chr8	23431014	TB2	0.410765	2.268831	0.02453	0.903179
cg11862665	chr13	97980712	HS6ST3	0.255621	2.263754	0.024847	0.904023
cg16321806	chr12	67662976		0.225606	2.268673	0.02454	0.903247
cg21105019	chr14	1E+08		0.271534	2.265979	0.024708	0.903591
cg08070491	chr17	45976977	EFCAB13;HOXB6;ATP5G1	-0.20666	-2.26515	0.02476	0.90377
cg01022951	chr4	1.01E+08		-0.22475	-2.26979	0.024471	0.903165
cg03305095	chr20	60941912		-0.16697	-2.26459	0.024795	0.903923
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cg10122267	chr1	41444691		0.260571	2.266574	0.024671	0.903591
cg03336086	chr5	79331047		-0.19531	-2.26298	0.024896	0.904228
cg06606518	chr1	27217565		-0.14339	-2.26554	0.024735	0.903591
cg16757605	chr16	70697712		-0.30766	-2.2685	0.02455	0.903477
cg00423675	chr9	1.38E+08		-0.22227	-2.26308	0.02489	0.904228
cg21893394	chr19	10342123		-0.15259	-2.26478	0.024783	0.903903
cg11575295	chr7	1.58E+08		-0.45976	-2.26531	0.02475	0.90377
cg00690400	chr1	1.75E+08		-0.20709	-2.26577	0.024721	0.903591
cg19397801	chr10	22826076		-0.2379	-2.26938	0.024496	0.903179
cg03900646	chr9	94712472	NOL8	-0.17877	-2.26346	0.024866	0.904023
cg24360513	chr1	2.49E+08		-0.25102	-2.2605	0.025053	0.904995
cg11625946	chr12	59314263		-0.25031	-2.26877	0.024534	0.903229

cg21650510	chr19	43912492		0.319241	2.266667	0.024665	0.903591
cg20784391	chr17	12376175		0.319573	2.267294	0.024626	0.903573
cg02345247	chr15	1.01E+08		-0.3443	-2.26566	0.024728	0.903591
cg04276951	chr17	40315837		-0.24423	-2.26341	0.024869	0.904023
cg24491776	chr6	33853268	HLA-DMA;HLA-DOA;HLA-DMB;HLA-DPA1;HLA-DPB1;UQCC2;HMGA1	-0.3485	-2.26164	0.024981	0.904516
cg04823738	chr15	23631875		0.211278	2.276551	0.024054	0.900532
cg03686952	chr12	49075221		-0.34849	-2.26476	0.024785	0.903903
cg11351927	chr10	557886	IDI1	0.348167	2.263724	0.024849	0.904023
cg02183170	chr14	55595698		-0.3243	-2.2661	0.0247	0.903591
cg15488660	chr2	2.43E+08		-0.24627	-2.26125	0.025005	0.904688
cg24883605	chr17	79508142		-0.22104	-2.26597	0.024709	0.903591
cg11811513	chr2	1.85E+08		0.505176	2.263741	0.024848	0.904023
cg13306870	chr22	39527583		2.25028	2.257423	0.025248	0.904995
cg21594839	chr8	1.33E+08		-0.32405	-2.26603	0.024705	0.903591
cg14044916	chr19	8008851		0.15437	2.264717	0.024787	0.903903
cg24175803	chr19	22235144	ZNF257;ZNF208	-0.27359	-2.2621	0.024952	0.904516
cg01759126	chr2	68870892		0.195862	2.267705	0.0246	0.90356
cg01062116	chr1	3352435	TP73;ENSG00000235131	-0.38806	-2.26848	0.024552	0.903477
cg07014174	chr21	32253760		-0.37717	-2.26165	0.02498	0.904516
cg11680200	chr17	9804572		-0.26327	-2.26977	0.024472	0.903165

cg20324884	chr1	2.47E+08		0.202104	2.26637	0.024683	0.903591
cg14966726	chr4	1.49E+08		-0.21871	-2.26749	0.024614	0.903573
cg16412000	chr2	2.42E+08		-0.19789	-2.26292	0.0249	0.904228
cg27540823	chr10	50746589		-0.16839	-2.26377	0.024846	0.904023
cg06941312	chr19	2455899		-0.24763	-2.26553	0.024736	0.903591
cg14791747	chr16	20752902		0.210426	2.265882	0.024714	0.903591
cg27354589	chr10	1705581		-0.3493	-2.26141	0.024995	0.904516
cg19573456	chr19	16607087		-0.15197	-2.26366	0.024854	0.904023
cg11176135	chr14	74705942		0.231734	2.263845	0.024842	0.904023
cg26448406	chr22	32026561		0.152406	2.263754	0.024847	0.904023
cg04391666	chr11	1.23E+08	GRAMD1B	-0.32591	-2.26367	0.024853	0.904023
cg09313705	chr17	46622491	HOXB6;HOXB-AS2	0.400569	2.263386	0.024871	0.904023
cg20592345	chr10	91008159		0.396848	2.262825	0.024906	0.904228
cg15611417	chr13	20798653		0.222867	2.265031	0.024767	0.90377
cg27613016	chr15	63133045		-0.26682	-2.26126	0.025005	0.904688
cg09358618	chr1	3801728		0.330876	2.262938	0.024899	0.904228
cg22724847	chr1	2.49E+08		-0.36601	-2.2645	0.0248	0.903923
cg01397513	chr16	85670135		-0.38806	-2.26777	0.024596	0.90356
cg06413087	chr7	1.58E+08		0.320721	2.263979	0.024833	0.904023
cg07913430	chr4	1.16E+08		0.308308	2.265542	0.024735	0.903591
cg25972340	chr3	14568699		-0.2828	-2.25964	0.025107	0.904995
cg07779444	chr10	1.35E+08		0.340075	2.260491	0.025053	0.904995
cg06085905	chr17	80398117		0.330702	2.261632	0.024981	0.904516
cg25204281	chr15	25418107		0.198646	2.264315	0.024812	0.903923
cg02742455	chr11	66489646	CLCF1;TBC1D10C	-0.31714	-2.26104	0.025018	0.90493

cg13563119	chr7	1.32E+08		-0.3264	-2.26024	0.025069	0.904995
cg13381753	chr1	2.13E+08		-0.24722	-2.267	0.024644	0.903573
cg17612147	chr17	43922356	KIF18B	-0.2569	-2.26262	0.024919	0.904359
cg21196038	chr6	1.7E+08		-0.28473	-2.26352	0.024862	0.904023
cg05200380	chr17	21179497		-0.22602	-2.26165	0.02498	0.904516
cg07799877	chr1	2.47E+08		0.242706	2.261085	0.025016	0.90493
cg17575446	chr13	1E+08		0.279936	2.266409	0.024681	0.903591
cg17461600	chr1	57983368	C1orf168;PPAP2B	0.284993	2.269961	0.02446	0.903165
cg06483699	chr4	1.01E+08		-0.15843	-2.26846	0.024553	0.903477
cg04636748	chr15	75117708		-0.18594	-2.26105	0.025018	0.90493
cg19125577	chr4	1.85E+08		0.336021	2.25984	0.025095	0.904995
cg07681561	chr4	1224054		0.188486	2.264627	0.024793	0.903923
cg04223645	chr5	77656203		0.167312	2.25843	0.025184	0.904995
cg25377915	chr8	95127949		-0.34832	-2.26177	0.024972	0.904516
cg17803589	chr21	46948365		-0.56181	-2.25832	0.025191	0.904995
cg04154903	chr12	49374320		0.260598	2.261751	0.024974	0.904516
cg06646548	chr10	77152949		-0.27271	-2.26196	0.024961	0.904516
cg08608532	chr13	1.01E+08		0.154787	2.263094	0.024889	0.904228
cg18185393	chr1	1.18E+08		0.307939	2.271833	0.024344	0.902459
cg03836521	chr16	30721270	ITGAX;ITGAM;YPEL3;ENSG00000260625;C16orf54	-0.29325	-2.26741	0.024619	0.903573
cg04955683	chr21	35444367	ATP5O;GART	-0.2105	-2.26173	0.024975	0.904516
cg15951469	chr6	1.54E+08		-0.30834	-2.27178	0.024347	0.902459
cg06600725	chr12	48690915		0.44641	2.262012	0.024957	0.904516

cg07152460	chr11	61583560	ENSG00000269089;PPP1R32	-0.18816	-2.26007	0.02508	0.904995
cg02613917	chr4	24587158		0.257535	2.262311	0.024938	0.904516
cg06493829	chr20	39766765		-0.26002	-2.26352	0.024862	0.904023
cg21351994	chr2	73145006		0.230005	2.261406	0.024996	0.904516
cg26022015	chr13	78493583		0.210844	2.258831	0.025159	0.904995
cg01147465	chr14	45366798		-0.16612	-2.25827	0.025194	0.904995
cg26607248	chr1	2.03E+08		-0.31274	-2.26712	0.024637	0.903573
cg27432604	chr11	27239162	ENSG00000254560	-0.26864	-2.27817	0.023955	0.900444
cg08724992	chr22	38597691		-0.25289	-2.26399	0.024833	0.904023
cg01923999	chr8	1.28E+08		0.369048	2.2631	0.024889	0.904228
cg20930366	chr5	1.14E+08		0.372107	2.262274	0.024941	0.904516
cg21595233	chr2	1.21E+08	ENSG00000163075	0.233635	2.261593	0.024984	0.904516
cg15085447	chr3	1.37E+08		0.210945	2.258977	0.025149	0.904995
cg13658921	chr2	1.36E+08		-0.16232	-2.25946	0.025118	0.904995
cg01140616	chr14	57518666		-0.31799	-2.2616	0.024983	0.904516
cg14662009	chr12	50300243	COX14	-0.24454	-2.26056	0.025049	0.904995
cg09558502	chr1	1.12E+08	KCNA2;KCNA3	-0.29883	-2.2607	0.02504	0.904995
cg09911734	chr16	67226006		0.120924	2.260459	0.025055	0.904995
cg09264906	chr11	57424981		0.180043	2.257917	0.025217	0.904995
cg14417329	chr17	80186273	SECTM1;OXLD1;SLC16A3;NPLOC4;NOTUM;SIRT7	-0.39428	-2.25833	0.02519	0.904995
cg07569216	chr15	53075533		0.340374	2.263453	0.024866	0.904023
cg20114732	chr6	1.67E+08		0.313976	2.260569	0.025048	0.904995

cg23018236	chr17	30244563		0.383388	2.266197	0.024694	0.903591
cg24496481	chr18	51795809		-0.15655	-2.26803	0.02458	0.90356
cg04551011	chr8	17435008		0.228804	2.260106	0.025078	0.904995
cg27310831	chr8	1.21E+08	ENPP2;SNTB1	0.362992	2.261491	0.02499	0.904516
cg17706896	chr19	46406599		0.213086	2.26202	0.024957	0.904516
cg07152755	chr2	1.05E+08		0.381579	2.263411	0.024869	0.904023
cg15456082	chr14	59444979	C14orf37;LRRC9;GPR135;ENSG00000259969;TIMM9;ENSG00000258553	-0.40037	-2.25681	0.025287	0.904995
cg06432036	chr6	1.71E+08		-0.41078	-2.25736	0.025252	0.904995
cg00303723	chr19	18304398		-0.19987	-2.26434	0.02481	0.903923
cg24747764	chr13	1.13E+08		0.266828	2.262881	0.024902	0.904228
cg02805489	chr7	36406483		-0.17311	-2.2608	0.025034	0.904995
cg06069100	chr15	77574588		0.377554	2.262087	0.024953	0.904516
cg10038250	chr14	1.05E+08		-0.18129	-2.26019	0.025072	0.904995
cg09220040	chr16	68856966		0.292561	2.257769	0.025226	0.904995
cg19878326	chr6	30078632		-0.28694	-2.26194	0.024962	0.904516
cg11359984	chr3	1.24E+08		0.270489	2.261914	0.024963	0.904516
cg10192893	chr4	41747895		0.305093	2.261497	0.02499	0.904516
cg03781098	chr12	7848348		0.317582	2.258207	0.025198	0.904995
cg03521085	chr4	1219008		-0.22871	-2.2642	0.02482	0.90394
cg23054883	chr12	1.31E+08		-0.2691	-2.25825	0.025196	0.904995
cg03605366	chr8	77767937		-0.32601	-2.2629	0.024901	0.904228
cg19172278	chr7	1.53E+08		-0.39616	-2.26016	0.025074	0.904995

cg12624829	chr10	1.06E+08		0.298177	2.264013	0.024831	0.904023
cg00759043	chr17	73894891		-0.16331	-2.26061	0.025046	0.904995
cg15725639	chr19	47856924		0.249194	2.259044	0.025145	0.904995
cg09359114	chr7	96650096		0.275408	2.262042	0.024955	0.904516
cg11416012	chr12	4380899		-0.28806	-2.25868	0.025168	0.904995
cg01421119	chr1	2.12E+08		0.442158	2.25945	0.025119	0.904995
cg19842441	chr8	62051647		0.229802	2.268002	0.024582	0.90356
cg08608892	chr10	1.35E+08	ADAM8	-0.26	-2.25855	0.025177	0.904995
cg14751914	chr18	46477404		0.325205	2.258712	0.025166	0.904995
cg05107039	chr2	86423005	RNF181	0.277257	2.259323	0.025127	0.904995
cg15043615	chr17	74025708		-0.38127	-2.26265	0.024917	0.904359
cg08255187	chr22	39627689		-0.28019	-2.26768	0.024602	0.90356
cg06676637	chr18	56940333		0.315201	2.255599	0.025365	0.904995
cg26848248	chr6	7313728		-0.24395	-2.25946	0.025119	0.904995
cg19601666	chr1	71172089	ZRANB2-AS2	0.484148	2.260597	0.025047	0.904995
cg15556553	chr1	17765043		-0.14443	-2.25737	0.025252	0.904995
cg05868316	chr19	12807494		-0.23921	-2.25882	0.025159	0.904995
cg13353683	chr17	40574819		0.225456	2.260371	0.025061	0.904995
cg21651328	chr19	21657756	ZNF429;ENSG00000268416;ENSG00000268081;ENSG00000268119	0.370534	2.258964	0.02515	0.904995
cg01003015	chr10	17271136		-0.30814	-2.25624	0.025324	0.904995
cg10245048	chr8	23082569		-0.21737	-2.26744	0.024617	0.903573
cg01565777	chr3	1.39E+08		0.299536	2.258091	0.025206	0.904995

cg27246129	chr6	1.71E+08	-0.45669	-2.25492	0.025408	0.904995
cg14819958	chr11	45826606	0.164321	2.257477	0.025245	0.904995
cg01106040	chr3	1.26E+08	-0.29972	-2.25594	0.025343	0.904995
cg18264383	chr3	45730917	-0.17614	-2.26277	0.024909	0.90428
cg05236677	chr8	99952217	0.309161	2.257151	0.025266	0.904995
cg07305719	chr10	64133406	0.303703	2.259344	0.025126	0.904995
cg03563403	chr9	35079882	-0.19206	-2.26661	0.024668	0.903591
cg05657090	chr19	12917086	0.170977	2.259436	0.02512	0.904995
cg17682535	chr11	56237629	0.44384	2.25589	0.025346	0.904995
cg11298960	chr7	1.55E+08	0.290422	2.259226	0.025134	0.904995
cg23103009	chr10	1.35E+08	0.333434	2.259583	0.025111	0.904995
cg02210104	chr3	19188909	0.290211	2.259715	0.025103	0.904995
cg25771649	chr10	43725277	-0.24527	-2.25874	0.025164	0.904995
cg07843056	chr6	35656848	-0.23568	-2.25546	0.025374	0.904995
cg16240275	chr20	61666158	-0.42586	-2.25761	0.025236	0.904995
cg22040672	chr12	1.29E+08	-0.30313	-2.25841	0.025185	0.904995
cg02801405	chr11	45727997	-0.25202	-2.25574	0.025356	0.904995
cg24349631	chr22	46449752	-0.55116	-2.25871	0.025167	0.904995
cg23666457	chr17	80709808	0.123825	2.25811	0.025205	0.904995
cg22053452	chr2	33701120	-0.24904	-2.2596	0.02511	0.904995
cg06837765	chr11	66326652	0.229838	2.256698	0.025295	0.904995
cg23971806	chr2	2.4E+08	0.281082	2.257889	0.025219	0.904995
cg22852149	chr19	36980565	-0.17829	-2.26424	0.024817	0.903923
cg24622544	chr12	1.21E+08	0.350784	2.258285	0.025193	0.904995
cg02413326	chr21	41027785	-0.22627	-2.25845	0.025183	0.904995

cg01907426	chr1	1.78E+08	RALGPS2	-0.32313	-2.25684	0.025286	0.904995
cg08120951	chr16	88734359		0.212507	2.255395	0.025378	0.904995
cg16951215	chr7	1.4E+08		-0.37936	-2.25546	0.025374	0.904995
cg06219310	chr4	802229		-0.37312	-2.26021	0.025071	0.904995
cg18374625	chr19	50004152	IL4I1	-0.18967	-2.2576	0.025237	0.904995
cg18959169	chr2	2.4E+08		0.305099	2.265923	0.024711	0.903591
cg27035277	chr8	67038272		-0.41685	-2.26	0.025085	0.904995
cg13108049	chr1	2.45E+08		-0.33131	-2.2679	0.024588	0.90356
cg09962400	chr21	38936159		0.323852	2.261392	0.024996	0.904516
cg21649005	chr17	3911039		0.331816	2.263407	0.024869	0.904023
cg16119667	chr2	95825387		-0.23981	-2.25658	0.025302	0.904995
cg21477638	chr2	1.13E+08		-0.24173	-2.25718	0.025264	0.904995
cg18132405	chr3	1.9E+08		0.37415	2.256543	0.025305	0.904995
cg24999883	chr14	99880641		0.302849	2.259648	0.025107	0.904995
cg01764904	chr15	60289326		0.32375	2.2626	0.02492	0.904359
cg20853530	chr11	70236781		-0.21034	-2.2661	0.024701	0.903591
cg02844341	chr7	1.17E+08		-0.23057	-2.26561	0.024731	0.903591
cg10138008	chr19	44669078		0.211763	2.263962	0.024834	0.904023
cg06019590	chr5	496476	SLC9A3;ENSG00000188242;CEP72	0.437122	2.25908	0.025143	0.904995
cg27405554	chr13	79183424		-0.24249	-2.2581	0.025205	0.904995
cg24533720	chr7	6099233		0.367344	2.254927	0.025408	0.904995
cg13346655	chr3	1.89E+08		-0.27455	-2.26024	0.025069	0.904995
cg09544279	chr5	1.8E+08		-0.1991	-2.2563	0.02532	0.904995
cg01282150	chr13	23993332		0.278903	2.256757	0.025291	0.904995

cg23434070	chr20	8243123		0.286294	2.265561	0.024734	0.903591
cg14871650	chr4	1.71E+08	NEK1	-0.18903	-2.25604	0.025337	0.904995
cg24916013	chr19	34973191		-0.24504	-2.2608	0.025034	0.904995
cg05114676	chr14	73257941	NUMB	-0.17838	-2.26001	0.025084	0.904995
cg23686508	chr21	45752460		0.24893	2.256351	0.025317	0.904995
cg03697316	chr22	21336741		-0.16041	-2.26162	0.024982	0.904516
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cg04287982	chr1	21766521		-0.2007	-2.25536	0.02538	0.904995
cg11757326	chr22	40139626		0.404561	2.255423	0.025376	0.904995
cg25957513	chr13	52257308		-0.27337	-2.25646	0.02531	0.904995
cg10206887	chr8	22102902		0.155798	2.254513	0.025435	0.904995
cg21178254	chr3	1.57E+08		0.391265	2.256989	0.025276	0.904995
cg26605668	chr12	1.26E+08		0.387657	2.257294	0.025257	0.904995
cg16790847	chr3	1.47E+08		0.215406	2.256794	0.025288	0.904995
cg04940655	chr13	98829550		-0.31563	-2.25555	0.025368	0.904995
cg19413366	chr8	1.44E+08		0.307074	2.258054	0.025208	0.904995
cg00906142	chr7	747746		-0.38671	-2.25447	0.025437	0.904995
cg06151567	chr1	17765735		-0.18264	-2.25789	0.025219	0.904995
cg21802919	chr17	1850983	ENSG00000228133	0.281733	2.256927	0.02528	0.904995
cg25228562	chr17	64718121		-0.24893	-2.25804	0.025209	0.904995
cg26580869	chr19	611506		-0.42491	-2.25742	0.025249	0.904995
cg09223396	chr16	72893924	ENSG00000259901	0.375468	2.258738	0.025165	0.904995
cg02553039	chr22	49563521	ZBED4	-0.30974	-2.26083	0.025032	0.904995
cg11914370	chr8	1.46E+08		0.250058	2.259026	0.025146	0.904995
cg11146691	chr12	47219737		0.509431	2.253679	0.025488	0.90562

cg07274522	chr12	1.24E+08		0.270448	2.256898	0.025282	0.904995
cg14509761	chr10	1.35E+08		-0.25623	-2.25471	0.025422	0.904995
cg03990819	chr2	434332		0.303285	2.26086	0.02503	0.904995
cg02676523	chr16	4027674		-0.20258	-2.25648	0.025309	0.904995
cg26297490	chr6	792778		0.512093	2.257425	0.025248	0.904995
cg07346343	chr3	1.51E+08		0.196676	2.259221	0.025134	0.904995
cg24333364	chr12	1.29E+08		-0.18171	-2.25573	0.025357	0.904995
cg00214688	chr10	33201038		0.295233	2.257319	0.025255	0.904995
cg17902573	chr4	1.41E+08	ENSG00000273247	0.254549	2.257997	0.025212	0.904995
cg15789789	chr22	38664965		-0.264	-2.259	0.025148	0.904995
cg15609272	chr5	1.6E+08	ATP10B	-0.30718	-2.25315	0.025522	0.90562
cg19205909	chr22	42353671	NFAM1	0.253681	2.255022	0.025402	0.904995
cg27111250	chr4	81111177	PRDM8	0.346663	2.251924	0.025601	0.90562
cg26065223	chr6	1.08E+08		0.301573	2.252496	0.025564	0.90562
cg25143247	chr6	1.64E+08		-0.22099	-2.25874	0.025165	0.904995
cg10588622	chr2	45397776		0.643479	2.252319	0.025576	0.90562
cg12314510	chr17	56161063	MRPS23	-0.18906	-2.25727	0.025258	0.904995
cg21054179	chr12	49412581		-0.15188	-2.25956	0.025112	0.904995
cg07208057	chr2	84516404		-0.27145	-2.25439	0.025442	0.905032
cg17181653	chr6	1.44E+08		0.275108	2.255982	0.02534	0.904995
cg15433996	chr1	41483419		-0.25142	-2.25726	0.025259	0.904995
cg16366739	chr16	16227608		0.24544	2.255216	0.025389	0.904995
cg17623629	chr11	2293641		-0.21255	-2.25365	0.02549	0.90562
cg17584576	chr5	52856678	RN7SL801P	0.268116	2.25527	0.025386	0.904995
cg19544269	chr5	1.73E+08		0.326754	2.256821	0.025287	0.904995

cg18039474	chr17	43210057	HEXIM2	0.200181	2.258328	0.025191	0.904995
cg08801446	chr2	36626126		0.435234	2.252702	0.025551	0.90562
cg27590397	chr14	38677218		0.332287	2.258194	0.025199	0.904995
cg16150752	chr5	16180072		0.359751	2.256143	0.02533	0.904995
cg12486510	chr2	1.96E+08		-0.25215	-2.25975	0.025101	0.904995
cg20950978	chr1	2446982		0.202835	2.259155	0.025138	0.904995
cg01944087	chr15	69110737		-0.17264	-2.25661	0.0253	0.904995
cg11040777	chr17	124800		0.25852	2.253451	0.025503	0.90562
cg17566592	chr6	1.44E+08		0.41537	2.254477	0.025437	0.904995
ch.8.65240324F	chr8	65077772		-0.44918	-2.25621	0.025326	0.904995
cg25382472	chr1	47779932	MOB3C	-0.22473	-2.25202	0.025595	0.90562
cg03925149	chr4	96761135		-0.3818	-2.25289	0.025539	0.90562
cg19638968	chr11	1214832		-0.23138	-2.25663	0.025299	0.904995
cg15442419	chr6	10412797		-0.1398	-2.26167	0.024979	0.904516
cg01603973	chr17	33672921	GAS2L2;RASL10B	0.427888	2.254469	0.025437	0.904995
cg03898365	chr11	6897491		-0.41022	-2.26057	0.025049	0.904995
cg10510604	chr5	1.72E+08		-0.247	-2.25628	0.025321	0.904995
cg02169848	chr7	46297085		-0.35515	-2.25694	0.025279	0.904995
cg18158151	chr2	61372256		0.289824	2.253988	0.025468	0.90562
cg00295259	chr2	1.22E+08		-0.30231	-2.25407	0.025463	0.905535
cg02595378	chr4	763997	SLBP	-0.24867	-2.2558	0.025352	0.904995
cg14134497	chr18	32074251		0.444323	2.252515	0.025563	0.90562
cg12737971	chr22	31892148		0.167382	2.259777	0.025099	0.904995
cg09871181	chr17	39911422		-0.22718	-2.25379	0.025481	0.90562
cg13436378	chr2	71832543		-0.26734	-2.2555	0.025371	0.904995

cg12175883	chr10	1.19E+08		0.243284	2.254153	0.025458	0.905413
cg09222505	chr2	2190137		-0.37152	-2.25477	0.025418	0.904995
cg25321935	chr11	47440348		0.189354	2.253025	0.02553	0.90562
cg17598259	chr10	75572405		-0.26333	-2.25179	0.02561	0.90562
cg14374347	chr1	38158195		-0.28458	-2.25528	0.025385	0.904995
cg24458609	chr11	56948015		0.35517	2.252919	0.025537	0.90562
cg19844333	chr5	1.55E+08		-0.34403	-2.2529	0.025538	0.90562
cg02486837	chr4	52941964		-0.35602	-2.25344	0.025503	0.90562
cg16630229	chr6	33160604		0.310646	2.256038	0.025337	0.904995
cg10027091	chr6	92147897		-0.36473	-2.25708	0.02527	0.904995
cg27278787	chr18	3499813	EMILIN2	0.439933	2.255206	0.02539	0.904995
cg14563196	chr1	89664582		-0.32458	-2.25614	0.02533	0.904995
cg21338857	chr1	3101776		-0.28434	-2.25384	0.025478	0.90562
cg26784012	chr10	32216390		-0.27812	-2.25532	0.025383	0.904995
cg16314254	chr1	2.3E+08	CCSAP	0.525448	2.253796	0.025481	0.90562
cg13322290	chr1	7841088		-0.28493	-2.25962	0.025109	0.904995
cg00913949	chr1	2.17E+08		0.342473	2.256273	0.025322	0.904995
cg08719712	chr7	1.3E+08		-0.30685	-2.2574	0.02525	0.904995
cg16521040	chr19	17417442		0.217949	2.256104	0.025333	0.904995
cg12688521	chr1	5772057		-0.24402	-2.25258	0.025559	0.90562
cg17961535	chr5	1.73E+08		0.376251	2.252066	0.025592	0.90562
cg24199834	chr4	1.48E+08		0.289772	2.256467	0.025309	0.904995
cg20615379	chr1	3827578		0.13108	2.252162	0.025586	0.90562
cg13008174	chr8	11640960	CTSB	-0.24365	-2.25535	0.025381	0.904995

			POLD3;PGM2L1;ARHGEF17;UCP2;ENSG00000254837;C2CD3;DNAJB13;PLEKHB1;M				
cg10408430	chr11	73979900	RPL48;KCNE3	0.265917	2.262143	0.024949	0.904516
cg15952586	chr7	18459971		0.432066	2.252796	0.025545	0.90562
cg07974823	chr13	20987517		-0.20137	-2.2536	0.025493	0.90562
cg08222662	chr7	1.39E+08		-0.2751	-2.26261	0.02492	0.904359
cg07857331	chr5	71607567		0.30395	2.254657	0.025425	0.904995
cg04451748	chr11	35684488		-0.14405	-2.2549	0.025409	0.904995
cg14381350	chr12	1.31E+08		-0.30558	-2.25274	0.025548	0.90562
cg27161523	chr12	51591966		-0.18973	-2.25921	0.025135	0.904995
cg06216677	chr9	35603842		-0.20253	-2.25505	0.0254	0.904995
cg16757724	chr20	43935528		0.242454	2.257612	0.025236	0.904995
cg13533456	chr6	1.17E+08		0.32746	2.262562	0.024923	0.90437
cg27404921	chr4	3208639		-0.25915	-2.25264	0.025555	0.90562
cg19617792	chr2	1.58E+08		-0.15269	-2.25451	0.025435	0.904995
cg20307184	chr7	48351895	C7orf57;ABCA13	0.349986	2.260141	0.025076	0.904995
cg25337570	chr22	29784436		-0.1828	-2.25556	0.025367	0.904995
cg18094330	chr7	1E+08		-0.18473	-2.2533	0.025513	0.90562
cg00564737	chr1	1.97E+08		0.297321	2.253363	0.025508	0.90562
cg13618342	chr7	1.39E+08	C7orf55-LUC7L2	-0.21008	-2.256	0.025339	0.904995
cg17333791	chr11	64811900		-0.18386	-2.25712	0.025268	0.904995
cg21565550	chr12	1.01E+08		0.164578	2.256784	0.025289	0.904995

cg11643245	chr12	33139395		-0.2802	-2.25263	0.025555	0.90562
cg08124399	chr6	74104868	DDX43	0.635148	2.253837	0.025478	0.90562
cg01732804	chr2	2.2E+08		0.129232	2.253221	0.025517	0.90562
cg25896975	chr2	27593451		-0.20466	-2.25461	0.025428	0.904995
cg23339363	chr7	44261644	CCM2;AEBP1;MYO1G;RAMP3;NACAD	-0.20559	-2.25755	0.02524	0.904995
cg01109219	chr2	33660754		0.586961	2.256515	0.025306	0.904995
cg11238366	chr2	38830691		0.287932	2.251336	0.025639	0.90562
cg11392855	chr4	2795155		-0.17903	-2.25523	0.025388	0.904995
cg03157530	chr16	85696657		-0.30235	-2.25505	0.0254	0.904995
cg14279439	chr19	46088289		0.11106	2.256464	0.02531	0.904995
cg17414900	chr20	56293634		0.163464	2.254532	0.025433	0.904995
cg24424424	chr11	1.01E+08		-0.27748	-2.26046	0.025056	0.904995
cg14638565	chr13	1.14E+08		-0.2221	-2.25879	0.025162	0.904995
cg09638407	chr3	1.43E+08		0.193666	2.260109	0.025078	0.904995
cg17327029	chr1	36636579	AGO3	-0.1766	-2.25647	0.025309	0.904995
cg14204784	chr9	1.29E+08		0.230116	2.254984	0.025404	0.904995
cg09285851	chr6	10099656		0.501134	2.251346	0.025638	0.90562
cg05216211	chr14	1.02E+08	MEG3;RTL1	-0.31628	-2.25286	0.025541	0.90562
cg19984781	chr6	30710898		-0.19331	-2.25136	0.025638	0.90562
cg01157304	chr4	39639723		-0.18907	-2.25434	0.025446	0.905067
cg03351487	chr2	1.69E+08	LRP2	0.518219	2.257075	0.025271	0.904995
cg27551078	chr6	34191979		0.189294	2.258152	0.025202	0.904995
cg24139737	chr10	50323708		0.294807	2.254386	0.025443	0.905032
cg16106431	chr4	8034335		0.240105	2.251738	0.025613	0.90562

cg03089717	chr6	28557411	HIST1H2BN	0.452698	2.251876	0.025604	0.90562
cg07856761	chr22	37216030		-0.20622	-2.25381	0.025479	0.90562
cg16228380	chr8	1.27E+08		-0.24502	-2.25116	0.02565	0.905862
cg20979042	chr8	1.44E+08		-0.33491	-2.25045	0.025696	0.906432
cg10356759	chr12	248889	ENSG00000250132	0.377095	2.254714	0.025422	0.904995
cg15011409	chr19	10405226	AP1M2;COL5A3;ICAM1;KANK2;PDE4A	0.308784	2.251304	0.025641	0.90562
cg17714828	chr5	1523874		-0.15552	-2.25374	0.025484	0.90562
cg09834794	chr3	1.47E+08		0.368431	2.25257	0.025559	0.90562
cg09247696	chr2	74756297		0.246658	2.25016	0.025715	0.90655
cg12222460	chr6	14211743	CD83	-0.2201	-2.25977	0.025099	0.904995
cg24244437	chr6	12289897		0.254872	2.256665	0.025297	0.904995
cg23193116	chr12	96184799		-0.17547	-2.25266	0.025553	0.90562
cg05627696	chr4	16933239		0.305372	2.252987	0.025533	0.90562
ch.2.4958278F	chr2	2.42E+08		-0.53514	-2.2521	0.02559	0.90562
cg20449692	chr3	1.7E+08		0.282198	2.250061	0.025722	0.90655
cg03010186	chr6	32122528		-0.13829	-2.25061	0.025686	0.906349
cg03661324	chr2	79411917		-0.45171	-2.24993	0.02573	0.90655
cg25987744	chr19	46916588		0.353376	2.247488	0.025889	0.90676
cg05410910	chr16	66434142		-0.27473	-2.25332	0.025511	0.90562
cg03932978	chr6	55444488		-0.32129	-2.25168	0.025617	0.90562
cg18116267	chr6	1.58E+08		0.278248	2.250129	0.025717	0.90655
cg20398408	chr17	781007		-0.37156	-2.25719	0.025263	0.904995
cg17580331	chr22	37099037		0.434222	2.249481	0.025759	0.906597

cg14062261	chr7	1.57E+08		-0.75075	-2.2497	0.025745	0.90655
cg03926849	chr8	1319194		-0.31903	-2.25069	0.025681	0.906344
cg06530336	chr7	64126779	ZNF107	-0.17297	-2.2518	0.025609	0.90562
cg14645264	chr3	1.16E+08		0.389784	2.250555	0.02569	0.906349
cg19123966	chr11	1.19E+08		0.336223	2.251717	0.025614	0.90562
cg03220414	chr9	1E+08		0.228008	2.255553	0.025368	0.904995
cg13933080	chr10	22634145		0.314257	2.250984	0.025662	0.906043
cg18818949	chr14	79558823		-0.40018	-2.25089	0.025668	0.906118
cg01368230	chr9	34628025		0.258093	2.251564	0.025624	0.90562
cg05137103	chr6	29396182	TRIM39;HCG14	-0.2633	-2.25089	0.025668	0.906118
cg17341170	chr11	2481545		0.288061	2.2513	0.025641	0.90562
cg19430391	chr17	21360529		0.185148	2.24768	0.025876	0.90676
cg27472905	chr2	2.42E+08		0.1797	2.252463	0.025566	0.90562
cg04584700	chr20	61715878		-0.19385	-2.25339	0.025507	0.90562
cg05200313	chr14	92960827	ENSG00000268657;CATSPERB	-0.32265	-2.24855	0.025819	0.90676
cg04621069	chr1	21544521		-0.29382	-2.25509	0.025398	0.904995
cg02272447	chr11	95523464		-0.17435	-2.25661	0.0253	0.904995
cg18519737	chr7	2656422		0.237894	2.248895	0.025797	0.906704
cg00230183	chr16	88882565		0.295159	2.25035	0.025703	0.906432
cg21801549	chr12	14412735		-0.28511	-2.2486	0.025816	0.90676
cg19461383	chr15	69325362		0.780833	2.252246	0.02558	0.90562
cg15304404	chr6	1.64E+08		0.231185	2.253528	0.025498	0.90562
cg00247471	chr12	63329258		0.352754	2.254658	0.025425	0.904995
cg04000927	chr16	58282341		0.201807	2.253083	0.025526	0.90562

cg16461692	chr13	62002989		-0.32656	-2.24808	0.02585	0.90676
cg20182983	chr12	1.23E+08		0.286174	2.252551	0.025561	0.90562
cg24771804	chr18	55107755		0.291796	2.252339	0.025574	0.90562
cg21433239	chr3	1.73E+08		-0.29435	-2.25139	0.025635	0.90562
cg06254453	chr6	26250350		0.226757	2.254703	0.025422	0.904995
ch.20.54687769F	chr20	55254362		-0.3361	-2.25221	0.025583	0.90562
cg26720235	chr16	85879079	ENSG00000262601	0.288129	2.249551	0.025755	0.90655
cg25130734	chr11	31531135		0.180887	2.253497	0.0255	0.90562
cg18658122	chr2	2.42E+08		-0.21124	-2.24956	0.025754	0.90655
cg18039902	chr13	48611677		-0.22087	-2.25953	0.025114	0.904995
cg03099492	chr10	94833214		-0.21009	-2.24853	0.025821	0.90676
cg03129324	chr10	1.25E+08	CPXM2	-0.28935	-2.25776	0.025227	0.904995
cg03107888	chr7	27241203		0.199763	2.24964	0.025749	0.90655
cg19918758	chr1	1.09E+08		-0.25114	-2.24911	0.025783	0.906704
cg24021129	chr5	1.14E+08		-0.25791	-2.25175	0.025612	0.90562
cg12969315	chr20	60630267		-0.16323	-2.25757	0.025239	0.904995
cg24832498	chr11	5528669	APBB1;TRIM5;TRIM22;CNGA4;UBQLN3	-0.31337	-2.24732	0.0259	0.90676
cg18223522	chr1	2E+08		0.283463	2.249207	0.025777	0.906704
cg18344397	chr4	1.7E+08		-0.37868	-2.24964	0.025749	0.90655
cg08077617	chr16	55868196		-0.37736	-2.25159	0.025623	0.90562
cg15235373	chr7	77428232		0.181654	2.247929	0.02586	0.90676
cg27475468	chr10	1.19E+08		-0.29395	-2.25605	0.025336	0.904995
cg04894116	chr7	1062251		0.352541	2.248569	0.025818	0.90676

cg12028548	chr20	590799		0.312716	2.250334	0.025704	0.906432
cg14042396	chr2	16153454		0.38102	2.247855	0.025865	0.90676
cg14689490	chr7	1.58E+08		-0.12426	-2.2475	0.025888	0.90676
cg16125615	chr19	5913035		-0.20718	-2.25169	0.025616	0.90562
cg11090364	chr17	46810687		-0.1618	-2.2497	0.025745	0.90655
cg08111960	chr11	59822765	CD6;MPEG1;MS4A7;MS4A4A	-0.3154	-2.25137	0.025637	0.90562
cg08174890	chr4	9558077		-0.28726	-2.24956	0.025754	0.90655
cg19917412	chr11	64815189		0.419534	2.248918	0.025796	0.906704
cg23295985	chr5	12217373		-0.2965	-2.25032	0.025705	0.906432
cg01307461	chr3	1.78E+08		-0.24684	-2.2515	0.025628	0.90562
cg19703826	chr16	3185452		0.238251	2.249432	0.025762	0.906597
cg01109279	chr8	1920950		0.273196	2.25503	0.025401	0.904995
cg21673873	chr11	70511688		-0.23064	-2.24744	0.025892	0.90676
cg07661923	chr11	6502690		-0.20173	-2.25137	0.025637	0.90562
cg09588392	chr7	64332970		-0.31519	-2.25186	0.025605	0.90562
cg21649205	chr7	1.58E+08		0.283936	2.247808	0.025868	0.90676
cg07710450	chr16	911786		-0.24168	-2.25082	0.025672	0.906182
cg04719721	chr11	9787121	ENSG00000245522	0.208125	2.259192	0.025136	0.904995
cg11564623	chr20	18125937	POLR3F	0.276319	2.249356	0.025767	0.906672
cg14858014	chr4	6728936		0.362524	2.248054	0.025852	0.90676
cg07102474	chr17	61499248		-0.24717	-2.25029	0.025707	0.906432
cg05217050	chr20	35064957		0.201929	2.254656	0.025425	0.904995
cg01140143	chr6	33039396		0.358936	2.248412	0.025829	0.90676
cg15327998	chr12	19527571		0.225772	2.250409	0.025699	0.906432

cg07615572	chr17	7405889	TXNDC17;KIAA0753;PHF23	0.276493	2.249653	0.025748	0.90655
cg01254977	chr21	38336981		-0.25422	-2.24832	0.025835	0.90676
cg22127314	chr5	54603891	ENSG00000264281	-0.2127	-2.25058	0.025688	0.906349
cg16185365	chr3	1.96E+08		0.257795	2.249761	0.025741	0.90655
cg03976877	chr7	1.59E+08		-0.23225	-2.24706	0.025916	0.906774
cg01070148	chr19	45250754		0.192152	2.247735	0.025873	0.90676
cg26098815	chr8	1270577		-0.26248	-2.25472	0.025421	0.904995
cg10790747	chr19	36248020		0.270832	2.251484	0.025629	0.90562
cg23155089	chr6	44698962	HSP90AB1;TCTE1	-0.24538	-2.24671	0.025939	0.907021
cg26723524	chr7	39775803		-0.37434	-2.24599	0.025987	0.907258
cg14864578	chr5	1.12E+08		0.264399	2.244931	0.026056	0.907547
cg00506935	chr15	89169262	HAPLN3	0.25454	2.251056	0.025657	0.906011
cg00722097	chr6	1.11E+08	FYN;METTL24	-0.14859	-2.2472	0.025908	0.90676
cg16048851	chr6	5145569		-0.21429	-2.25146	0.025631	0.90562
cg12272413	chr1	2.13E+08		0.205337	2.245447	0.026022	0.907343
cg21647189	chr4	16085814	LDB2;PROM1	0.336786	2.248511	0.025822	0.90676
cg06301673	chr3	1.93E+08	ENSG00000230102;MB21D2	-0.47294	-2.24924	0.025775	0.906704
cg15999590	chr17	40718810	IFI35;RAMP2-AS1;RPL27;HSD17B1P1	0.181458	2.246686	0.025941	0.907021
cg13491192	chr1	16679149		-0.17022	-2.2528	0.025545	0.90562
cg22722822	chr4	54931066		0.303816	2.249816	0.025737	0.90655
cg01851632	chr2	2.19E+08		-0.19385	-2.24651	0.025952	0.907219
cg20463715	chr19	10628715		-0.14599	-2.24784	0.025866	0.90676

cg22861758	chr5	65018493		-0.29289	-2.25152	0.025627	0.90562
cg25080322	chr2	2.05E+08		-0.18118	-2.25209	0.02559	0.90562
cg11208880	chr1	90287278		-0.22937	-2.24863	0.025814	0.90676
cg24062763	chr2	39470750	CDKL4	0.502497	2.248692	0.02581	0.90676
cg04192412	chr13	75980679		-0.39487	-2.25103	0.025659	0.906011
cg25736617	chr10	75411098	VCL;CAMK2G;SYNPO2L;PPP3CB	0.362255	2.245625	0.02601	0.907333
cg24836833	chr19	12662709	MAN2B1	-0.20759	-2.25076	0.025676	0.906251
cg11562028	chr5	1.51E+08		0.287432	2.247871	0.025864	0.90676
cg09807643	chr4	1562946		-0.26424	-2.25063	0.025685	0.906349
cg04918900	chr1	40204479		0.158641	2.249081	0.025785	0.906704
cg13473909	chr9	1.16E+08		-0.15668	-2.25141	0.025634	0.90562
cg06920399	chr19	29218653		-0.4851	-2.24605	0.025983	0.907258
cg03984537	chr1	1.11E+08		-0.28714	-2.24851	0.025822	0.90676
cg16647921	chr4	41867533	APBB2	0.302064	2.246097	0.02598	0.907258
cg03149245	chr12	1.33E+08		-0.32355	-2.24808	0.02585	0.90676
cg24198584	chr1	1.8E+08		0.309025	2.251638	0.02562	0.90562
cg02637741	chr17	34072228		0.165616	2.252636	0.025555	0.90562
cg12363472	chr6	1.66E+08		0.220072	2.245424	0.026024	0.907343
cg15403283	chr14	65233334	GPX2;PPP1R36;MTHFD1	-0.47668	-2.24928	0.025772	0.906704
cg15623550	chr5	1.77E+08		0.187829	2.244887	0.026059	0.907547
cg23267987	chr1	1.2E+08		-0.27701	-2.24618	0.025974	0.907258
cg02643054	chr7	27206544		0.240965	2.251819	0.025608	0.90562
cg11890169	chr13	1.01E+08		0.221881	2.250453	0.025696	0.906432

cg07288921	chr20	62103493		-0.11789	-2.25523	0.025389	0.904995
cg02368765	chr17	38219085		-0.14529	-2.24568	0.026007	0.907318
cg26692048	chr1	1.6E+08		0.242687	2.243468	0.026152	0.908045
cg00366934	chr6	1.36E+08		-0.18891	-2.24795	0.025859	0.90676
cg11432790	chr2	290382		0.313473	2.247335	0.025899	0.90676
cg19630841	chr15	70390368		-0.22269	-2.24884	0.025801	0.906759
cg24508409	chr1	1.12E+08		-0.17937	-2.24944	0.025762	0.906597
cg00474840	chr19	18120819		-0.43075	-2.24643	0.025958	0.907219
cg04586748	chr11	1.14E+08		0.215899	2.26174	0.024974	0.904516
cg08790581	chr5	1.07E+08		0.360661	2.246707	0.02594	0.907021
cg14945086	chr18	2657780		0.369061	2.249334	0.025769	0.906672
cg05528492	chr7	946657		-0.22385	-2.24519	0.026039	0.907343
cg09446220	chr7	97840014	RPS3AP26	0.299891	2.245222	0.026037	0.907343
cg26962595	chr11	72504889		-0.23547	-2.26141	0.024995	0.904516
cg23595055	chr1	1.67E+08	DUSP27	0.300011	2.248749	0.025807	0.90676
cg13489914	chr19	42875662		-0.19284	-2.24891	0.025796	0.906704
cg22493673	chr1	1.57E+08	FCRL5	0.188276	2.24712	0.025913	0.90676
cg08423575	chr1	22826800		0.294972	2.24598	0.025987	0.907258
cg15321997	chr8	23315326	ENSG00000251034	-0.15753	-2.24639	0.02596	0.907219
cg08424188	chr16	75285647		-0.1585	-2.24488	0.026059	0.907547
cg24035202	chr17	78968925		-0.24094	-2.24573	0.026004	0.907318
cg12623852	chr1	2.28E+08		0.49354	2.24581	0.025998	0.907318
cg00908323	chr2	1.32E+08		-0.265	-2.24629	0.025967	0.907258
cg04851935	chr6	46703193	SLC25A27	-0.1849	-2.24817	0.025845	0.90676
cg20462100	chr1	12104871	C1orf158	-0.25379	-2.2439	0.026123	0.908039

cg26213155	chr11	20621701		0.40561	2.245144	0.026042	0.907343
cg12458179	chr2	2.39E+08	COL6A3;LINC01107	-0.18257	-2.24575	0.026002	0.907318
cg22826803	chr4	1.53E+08		-0.3067	-2.24976	0.025741	0.90655
cg23477168	chr2	1.93E+08	MYO1B	-0.43043	-2.24712	0.025913	0.90676
cg20883227	chr6	28742389		0.207698	2.244491	0.026085	0.908039
cg00930455	chr7	96654548		0.240532	2.249888	0.025733	0.90655
cg03790848	chr11	8744496	OR5P3	0.227833	2.24404	0.026114	0.908039
cg05928290	chr14	54418728	CDKN3	0.279906	2.249018	0.025789	0.906704
cg05452406	chr6	10881891		0.377587	2.24351	0.026149	0.908039
cg15730213	chr20	34639058		-0.25521	-2.24838	0.025831	0.90676
cg07713495	chr19	4098990	PLIN5	0.230795	2.246197	0.025973	0.907258
cg14304674	chr9	91505364		-0.29398	-2.24734	0.025899	0.90676
cg24179734	chr5	891290	LPCAT1	0.335146	2.251719	0.025614	0.90562
cg16808922	chr17	64456857	PRKCA	-0.31726	-2.25265	0.025554	0.90562
cg19193135	chr11	1.18E+08		-0.24262	-2.24553	0.026016	0.907343
cg25945753	chr14	1.01E+08		-0.33588	-2.24818	0.025844	0.90676
cg05317630	chr4	1.84E+08		-0.13628	-2.24385	0.026127	0.908039
cg05018741	chr16	69020534		-0.20238	-2.2564	0.025313	0.904995
cg23146299	chr22	29078644		0.247421	2.249592	0.025752	0.90655
cg22045942	chr19	35490561		-0.33533	-2.24822	0.025841	0.90676
cg11576468	chr19	20749810		0.340503	2.245	0.026051	0.907547
cg19500185	chr8	38035015		-0.21593	-2.24891	0.025796	0.906704
cg05741219	chr2	24295212		-0.41143	-2.24513	0.026043	0.907343
cg22443490	chr15	99792144		0.300475	2.247833	0.025866	0.90676
cg04665124	chr12	1.31E+08	RIMBP2	-0.65572	-2.2458	0.025999	0.907318

cg00569982	chr6	75947572		-0.3407	-2.24902	0.025789	0.906704
cg02420850	chr10	1.19E+08		-0.26849	-2.24728	0.025902	0.90676
cg01969662	chr11	1330840		-0.18188	-2.24444	0.026088	0.908039
cg10248878	chr4	54965109		0.298359	2.243933	0.026121	0.908039
cg25281481	chr17	7155697		-0.12399	-2.24792	0.02586	0.90676
cg22008026	chr4	1.55E+08		0.265402	2.243771	0.026132	0.908039
cg25188594	chr1	91870362		0.347712	2.245211	0.026038	0.907343
cg24596132	chr15	89456136	C15orf38	0.407065	2.242979	0.026184	0.908288
cg19120897	chr18	5546794		0.32426	2.252391	0.025571	0.90562
cg05119831	chr7	1.58E+08		-0.25442	-2.24317	0.026171	0.908192
cg06834916	chr5	95610	ZDHHC11;ZDHHC11B;TPPP	-0.31704	-2.2474	0.025894	0.90676
cg15904283	chr10	23484867		0.284109	2.2498	0.025738	0.90655
cg15477247	chr5	1.76E+08		0.308862	2.243651	0.02614	0.908039
cg18914514	chr18	18822123		-0.17768	-2.24687	0.025929	0.906857
cg03102386	chr11	1.29E+08		0.315348	2.241964	0.026251	0.90884
cg01721204	chr1	45672405		-0.17603	-2.24184	0.026259	0.90884
cg21146037	chr8	1.26E+08		0.19578	2.252163	0.025586	0.90562
cg13467162	chr11	65600888		0.258286	2.248341	0.025833	0.90676
cg15978014	chr1	40420635		0.15185	2.247111	0.025913	0.90676
cg09757712	chr8	85094742		0.382817	2.24354	0.026147	0.908039
cg11321298	chr22	40766510		-0.26772	-2.24532	0.026031	0.907343
cg04906575	chr7	15392612		0.308359	2.247147	0.025911	0.90676
cg08906631	chr19	52643011	ZNF808	0.206477	2.244201	0.026104	0.908039
cg00532502	chr1	2.47E+08		-0.27748	-2.24136	0.026291	0.909039

cg07485357	chr14	24803679		0.212284	2.247313	0.0259	0.90676
cg17180237	chr1	1.2E+08		0.331567	2.242942	0.026187	0.908288
cg10273217	chr11	1.23E+08		0.310855	2.2445	0.026084	0.908039
cg17379932	chr10	12085598		0.340893	2.251539	0.025626	0.90562
cg21507610	chr3	58292716	FLNB-AS1;ASB14;ARF4	-0.18363	-2.24722	0.025906	0.90676
cg21561142	chr6	18265208		-0.25599	-2.24281	0.026195	0.90831
cg07089399	chr8	6481582		0.337494	2.246644	0.025944	0.907021
cg01818151	chr17	46797042		0.360437	2.249629	0.02575	0.90655
cg17131653	chr12	34317983		-0.20024	-2.24737	0.025897	0.90676
cg12630409	chr1	36916195		0.159518	2.244271	0.026099	0.908039
cg01101178	chr1	2198760	TTC34;C1orf222	0.260234	2.24097	0.026317	0.909091
cg04004904	chr10	15138605		0.286484	2.24316	0.026172	0.908192
cg14636534	chr5	87968528		0.410476	2.242362	0.026225	0.908521
cg10364645	chr3	1.95E+08		0.542327	2.247992	0.025856	0.90676
cg10560245	chr11	69957900	ANO1;SHANK2	0.267275	2.249161	0.02578	0.906704
cg26550710	chr8	97167878	CPQ;ENSG00000253773	0.258722	2.241859	0.026258	0.90884
cg02184008	chr11	44333072		0.215309	2.242355	0.026225	0.908521
cg23952644	chr13	27131780		-0.1861	-2.24549	0.026019	0.907343
cg00747152	chr19	39339713		0.219935	2.244468	0.026086	0.908039
cg14499933	chr2	444769		0.244155	2.247007	0.02592	0.906774
cg08472247	chr16	70332992	HYDIN;ENSG00000262890	-0.29996	-2.24243	0.02622	0.908521
cg26645879	chr20	23545938		-0.15841	-2.24526	0.026034	0.907343
cg14740952	chr19	489669		0.199317	2.250023	0.025724	0.90655

cg06091934	chr6	1.5E+08		0.357167	2.245179	0.02604	0.907343
cg01975877	chr1	9324232		0.294603	2.243226	0.026168	0.908192
cg14880800	chr5	13945990	DNAH5	0.253768	2.246001	0.025986	0.907258
cg19765378	chr7	1148301		-0.3002	-2.24123	0.026299	0.909084
cg24399540	chr2	2.07E+08		0.371065	2.243709	0.026136	0.908039
cg22192069	chr6	13305324		0.442065	2.242356	0.026225	0.908521
cg03275910	chr7	822431		0.342895	2.243134	0.026174	0.908192
cg18551892	chr11	86667149		-0.18919	-2.24202	0.026247	0.90884
cg06612355	chr5	1.03E+08		-0.26919	-2.2491	0.025784	0.906704
cg00005622	chr8	1.45E+08		0.210538	2.243584	0.026144	0.908039
cg01863613	chr17	28443583		0.27505	2.242869	0.026191	0.90831
cg06495501	chr22	50523761	ADM2	0.300622	2.24494	0.026055	0.907547
cg20221591	chr2	2.41E+08		0.443766	2.242803	0.026196	0.90831
cg02845685	chr6	20212667		-0.17054	-2.24222	0.026234	0.908748
cg05031011	chr16	1216327		-0.26457	-2.2441	0.02611	0.908039
cg05463589	chr16	88706426		0.488669	2.244389	0.026091	0.908039
cg16359370	chr14	70379938		-0.27793	-2.24215	0.026239	0.90884
cg01925738	chr5	1.4E+08	PCDHGA4;PCDHGA5	0.485974	2.241112	0.026307	0.909084
cg11974096	chr2	2.33E+08		-0.20074	-2.24995	0.025729	0.90655
cg17191715	chr8	86290878		-0.26202	-2.24664	0.025944	0.907021
cg23161999	chr2	1.62E+08		0.336871	2.244338	0.026095	0.908039
cg00464738	chr6	29830248	HLA-H;HLA-K	-0.31023	-2.24818	0.025844	0.90676
cg03049693	chr11	89465190		-0.27157	-2.24245	0.026219	0.908521
cg23695707	chr14	95234826	PRIMA1;CLMN	0.325266	2.243511	0.026149	0.908039

			S100A3;C1orf189;INTS3;CREB3L4;SHE;TDRD10;GATAD2B;HAX1;SLC27A3;S100A2;NPR1;JTB;ENSG00000223599	0.408026	2.255305	0.025384	0.904995
cg15207993	chr1	1.54E+08					
cg19390995	chr12	1.07E+08		-0.36314	-2.23924	0.026431	0.90975
cg18313530	chr11	1.12E+08		0.170793	2.24175	0.026265	0.90884
cg09255102	chr3	1.39E+08		0.449928	2.239172	0.026436	0.90975
cg11717189	chr11	2154132		-0.35947	-2.24189	0.026256	0.90884
cg06845774	chr4	1.55E+08		0.382816	2.245967	0.025988	0.907258
cg12076463	chr4	85418265		0.300527	2.241155	0.026304	0.909084
cg22662182	chr2	60665598		-0.25168	-2.24693	0.025925	0.906842
cg19656689	chr12	71113529	PTPRB	0.338269	2.245307	0.026031	0.907343
cg24598316	chr5	76939397		0.255008	2.246077	0.025981	0.907258
cg01447322	chr11	66035600	ENSG00000179038	-0.23516	-2.24566	0.026008	0.907318
cg16398686	chr1	94344260		-0.18047	-2.24311	0.026175	0.908192
cg26567012	chr5	1.51E+08		0.277682	2.247628	0.02588	0.90676
cg07527426	chr6	44125473		0.242014	2.242843	0.026193	0.90831
cg04456238	chr11	32450104		0.261332	2.242538	0.026213	0.908521
cg08534256	chr22	39189722		0.262752	2.240833	0.026326	0.909091
cg19621628	chr1	65466245	RAVER2	0.224466	2.247038	0.025918	0.906774
cg06411987	chr10	1.34E+08		-0.30095	-2.24269	0.026203	0.908425
cg10583311	chr12	1.33E+08	ENSG00000250790	-0.23703	-2.24046	0.02635	0.909091

cg06032090	chr20	17209845		0.355925	2.243904	0.026123	0.908039
cg27527874	chr6	29571074	SCAND3	0.247134	2.240513	0.026347	0.909091
cg24522374	chr3	1.57E+08		0.20629	2.241898	0.026255	0.90884
cg20473895	chr5	1.57E+08		0.162226	2.239977	0.026382	0.90948
cg03019219	chr6	29275071		0.39276	2.239774	0.026396	0.909654
cg23437843	chr3	44596360	ANO10	0.323961	2.240573	0.026343	0.909091
cg22512041	chr2	22504250		-0.3571	-2.2415	0.026282	0.90884
cg13543254	chr15	33131642		-0.2971	-2.2427	0.026203	0.908425
cg17714276	chr4	1.57E+08		-0.21075	-2.24	0.026381	0.90948
cg14659008	chr8	1.02E+08		-0.20715	-2.23965	0.026404	0.909654
cg26616283	chr7	11871535		0.192205	2.245862	0.025995	0.907318
cg01052614	chr8	1.44E+08	LYNX1;GPIHBP1	-0.19275	-2.2411	0.026308	0.909084
cg01417849	chr6	33781855	TAP1;PSMB8	-0.24043	-2.2425	0.026216	0.908521
cg18232861	chr5	1.32E+08		0.320759	2.24098	0.026316	0.909091
cg19484645	chr6	4995292		0.297732	2.24434	0.026095	0.908039
cg13474450	chr8	1.42E+08	DENND3;TRAPPC9	-0.28582	-2.24602	0.025985	0.907258
cg07183876	chr5	80257268	RASGRF2	0.242634	2.24595	0.025989	0.907258
cg06008873	chr8	25745763		0.241627	2.241665	0.026271	0.90884
cg10939966	chr2	1.79E+08		-0.27221	-2.24151	0.026281	0.90884
cg26043257	chr4	15780238	TAPT1-AS1	0.238326	2.242034	0.026246	0.90884
cg17842157	chr17	42200988		-0.22264	-2.24085	0.026324	0.909091
cg26089007	chr18	44256337		-0.28089	-2.24184	0.026259	0.90884
cg00414384	chr11	68518048		0.339912	2.242655	0.026205	0.908425
cg15364131	chr22	32341622		-0.2322	-2.2404	0.026354	0.909091
cg08931102	chr16	67261071		-0.16907	-2.24152	0.02628	0.90884

cg23767318	chr12	62584454		-0.39793	-2.24363	0.026141	0.908039
cg14983993	chr14	20937849		-0.17724	-2.24385	0.026127	0.908039
cg19566641	chr8	49628762		-0.18109	-2.2442	0.026104	0.908039
cg21222178	chr19	17759409	KXD1	-0.53079	-2.24126	0.026297	0.909084
cg00574196	chr1	22137992		-0.29143	-2.24297	0.026184	0.908288
cg17179826	chr1	2.05E+08	MDM4	-0.2281	-2.23942	0.026419	0.90975
cg11979846	chr1	2.47E+08		-0.3702	-2.24063	0.026339	0.909091
cg00449738	chr1	91997846		-0.26406	-2.24312	0.026175	0.908192
cg16450309	chr3	1.71E+08		0.502444	2.243504	0.02615	0.908039
cg09055489	chr6	42175018		-0.26589	-2.23884	0.026457	0.909761
cg07259732	chr16	88633709		0.298972	2.240101	0.026374	0.909407
cg20916500	chr8	652685		0.298244	2.243357	0.026159	0.908149
cg10211019	chr19	37328842		0.253531	2.243687	0.026138	0.908039
cg19701879	chr4	23881105		0.395726	2.246465	0.025955	0.907219
cg18021286	chr11	1.16E+08		0.181758	2.241849	0.026259	0.90884
cg06482428	chr4	21950173		0.404013	2.239632	0.026405	0.909654
cg17459660	chr11	1.3E+08		-0.16213	-2.2439	0.026123	0.908039
cg11066209	chr7	2282252	CARD11;FTSJ2;PSMG3	0.298705	2.237808	0.026526	0.910176
cg05546264	chr4	1.88E+08	SORBS2;ENSG00000233110;ENSG00000235902	0.331208	2.246912	0.025926	0.906842
cg25085969	chr5	1.71E+08		0.197272	2.247397	0.025895	0.90676
cg17913670	chr7	1.59E+08		-0.27459	-2.24108	0.026309	0.909084
cg20443501	chr6	1.44E+08		0.207534	2.241164	0.026304	0.909084

cg12782201	chr14	1.02E+08		-0.2807	-2.23874	0.026465	0.909761
cg08865458	chr20	36793866		0.391463	2.240326	0.026359	0.909184
cg04652621	chr7	1.51E+08		0.207385	2.239205	0.026433	0.90975
cg09341209	chr11	2422446		0.132765	2.243029	0.026181	0.908288
cg13682704	chr9	1.32E+08		0.137025	2.240421	0.026353	0.909091
cg26695125	chr10	27149660		-0.23868	-2.23932	0.026426	0.90975
cg04208734	chr7	73270063		-0.15428	-2.23788	0.026522	0.910158
cg24593231	chr3	1.42E+08		-0.2158	-2.24072	0.026333	0.909091
cg04738552	chr19	6502763		0.383098	2.248423	0.025828	0.90676
cg26261342	chr12	56512029		-0.17644	-2.24612	0.025978	0.907258
cg14067450	chr9	1.35E+08	TSC1	0.248362	2.244083	0.026111	0.908039
cg10910512	chr6	1.13E+08	REV3L;BRD7P4;ENSG00000237234	0.385241	2.238099	0.026507	0.909871
cg02573091	chr5	74908125	HEXB	-0.46742	-2.24165	0.026271	0.90884
cg06677538	chr7	1.01E+08		0.272232	2.238738	0.026464	0.909761
cg00151191	chr2	71268532		-0.1742	-2.24846	0.025826	0.90676
cg09326404	chr1	46956839		0.321458	2.239878	0.026389	0.909621
cg09180520	chr1	35355260		-0.33156	-2.24046	0.02635	0.909091
cg21515159	chr19	11639617		-0.13332	-2.2436	0.026143	0.908039
cg16879596	chr7	99277978		-0.1904	-2.23645	0.026617	0.910557
cg17425616	chr5	1.22E+08		-0.26948	-2.24733	0.025899	0.90676
cg26164710	chr1	15348264	DNAJC16	-0.28261	-2.24519	0.026039	0.907343
cg03509079	chr16	26031138		-0.5678	-2.23928	0.026429	0.90975
cg25377358	chr10	1.22E+08		-0.18543	-2.23846	0.026483	0.909761
cg25256723	chr1	1.7E+08		0.194363	2.239515	0.026413	0.909737

cg14918391	chr11	76777881		-0.17403	-2.23833	0.026491	0.909761
cg11684889	chr12	94853499		0.202438	2.242401	0.026222	0.908521
cg01287975	chr7	97361241		0.419382	2.236745	0.026597	0.910557
cg20683656	chr8	25902551		-0.28821	-2.24768	0.025876	0.90676
cg26102503	chr20	57425994		0.179284	2.244468	0.026086	0.908039
cg12886634	chr12	56616029		0.185087	2.239607	0.026407	0.909654
cg16993794	chr22	24199328		0.28093	2.240942	0.026318	0.909091
cg09861583	chr2	2.39E+08	TRAF3IP1	0.363767	2.238564	0.026476	0.909761
cg05119504	chr3	99905910		-0.24474	-2.24158	0.026276	0.90884
cg12776171	chr17	72442928	CD300A	0.273256	2.237757	0.02653	0.91022
cg01292924	chr7	76257234		0.243395	2.240723	0.026333	0.909091
cg01085837	chr12	22094461		0.383831	2.243753	0.026133	0.908039
cg16047292	chr7	99441585		-0.28525	-2.23784	0.026524	0.910171
cg02651357	chr6	6695860	FARS2;NRN1	-0.29251	-2.24407	0.026112	0.908039
cg13677279	chr10	1.04E+08		-0.12408	-2.24019	0.026368	0.909343
cg25983544	chr18	23713626		0.418356	2.238668	0.026469	0.909761
cg01848457	chr12	1.05E+08	GLT8D2;APPL2	0.451855	2.240648	0.026338	0.909091
cg10803935	chr8	91293630	TMEM64	0.291687	2.238185	0.026501	0.909827
cg23091758	chr11	9025767		-0.37275	-2.23908	0.026442	0.90975
cg11331445	chr12	47219877		0.481866	2.238605	0.026473	0.909761
cg19950474	chr5	43040438		-0.25778	-2.23864	0.026471	0.909761
cg17982504	chr16	68056849		-0.1855	-2.24147	0.026283	0.90884
cg22657536	chr15	74988951		0.275895	2.240958	0.026317	0.909091
cg06629170	chr5	1.39E+08		-0.1771	-2.23897	0.026449	0.909761
cg14503168	chr10	1.35E+08		-0.21549	-2.23635	0.026624	0.910557

cg05900955	chr13	1.15E+08		0.290759	2.238391	0.026488	0.909761
cg02667656	chr5	1.68E+08	SLIT3;WWC1	-0.20573	-2.2435	0.02615	0.908039
cg04451988	chr10	15412706		-0.19328	-2.23638	0.026622	0.910557
cg09612786	chr7	1.51E+08	GIMAP2;TMEM176B;GIMAP1;GIMAP7;GIMAP8;GIMAP5;GIMAP4;RARRES2;TMEM176A;GIMAP6	0.305209	2.237073	0.026575	0.910557
cg13721429	chr12	1.07E+08		0.365265	2.239198	0.026434	0.90975
cg03350326	chr2	1.02E+08	LONRF2;ENSG00000272902	-0.22068	-2.23966	0.026403	0.909654
cg06892501	chr11	5345105		-0.28176	-2.2453	0.026032	0.907343
cg27586068	chr19	3500442		0.177559	2.238772	0.026462	0.909761
cg27602981	chr16	89385820		-0.30139	-2.23969	0.026401	0.909654
cg27424322	chr11	1282842	TMEM80	0.231654	2.237644	0.026537	0.910332
cg08616760	chr5	1.78E+08		-0.30844	-2.23485	0.026724	0.910785
cg00064255	chr1	90100012		-0.29202	-2.24455	0.026081	0.908039
cg18305912	chr2	59789603		-0.39536	-2.24312	0.026175	0.908192
cg13014623	chr3	18465519	SATB1	-0.24748	-2.2391	0.026441	0.90975
cg27516824	chr3	1.46E+08		-0.23447	-2.23805	0.02651	0.909871
cg15319470	chr12	62546183		-0.39786	-2.2361	0.02664	0.910557
cg16374319	chr3	37876385		0.316501	2.241747	0.026265	0.90884
cg13870275	chr4	1.71E+08		-0.25217	-2.23871	0.026466	0.909761
cg22294241	chr19	55691761	DNAAF3	-0.23539	-2.23714	0.026571	0.910557
cg04534697	chr6	1.64E+08		0.890673	2.235556	0.026677	0.910785

cg08492619	chr13	88324193		0.290082	2.236918	0.026586	0.910557
cg25938347	chr15	75639163	SNX33	0.300014	2.237459	0.02655	0.910528
cg11827629	chr12	1.16E+08		-0.38034	-2.236	0.026647	0.910557
cg19914620	chr10	1.35E+08		-0.1891	-2.24399	0.026118	0.908039
cg00402554	chr1	56454285		-0.36979	-2.2355	0.026681	0.910785
cg01209984	chr21	47469679		-0.32549	-2.23393	0.026785	0.910785
cg01183595	chr11	46746236	C11orf49;AGBL2;MAPK8IP1	0.311873	2.236778	0.026595	0.910557
cg25211403	chr21	46975897		0.805297	2.232612	0.026874	0.911633
cg18495884	chr7	2020099	PSMG3;GPER1	-0.66628	-2.23669	0.026601	0.910557
cg14011734	chr3	10290674		-0.30088	-2.23831	0.026493	0.909761
cg22054449	chr13	1.13E+08		-0.29029	-2.23981	0.026394	0.909654
cg22208435	chr7	29846584		0.229241	2.240473	0.026349	0.909091
cg06928246	chr1	2.28E+08		0.363873	2.234082	0.026775	0.910785
cg04981737	chr12	54383434	ITGB7	-0.24114	-2.23821	0.0265	0.909827
cg13797914	chr15	42192995		0.238913	2.239119	0.026439	0.90975
ch.17.1102270R	chr17	40721716	RPL27;ENSG00000267002	0.294556	2.237491	0.026547	0.910528
cg02510853	chr16	3031707	ENSG00000261123;PKD1;NTHL1	0.29236	2.235377	0.026689	0.910785
cg26256431	chr1	2.46E+08		0.314577	2.236902	0.026587	0.910557
cg15129097	chr10	7376699		-0.24549	-2.23699	0.026581	0.910557
cg24095592	chr17	46633202		0.32795	2.233719	0.0268	0.910785
cg20363931	chr10	1.24E+08		0.314226	2.23647	0.026616	0.910557
cg06522915	chr7	73758449		-0.21987	-2.23505	0.026711	0.910785

cg10138623	chr10	1.14E+08		-0.3558	-2.23587	0.026656	0.910674
cg20428713	chr1	48162438		-0.26536	-2.23905	0.026444	0.909751
cg03575228	chr2	2.41E+08		0.316266	2.23629	0.026628	0.910557
cg03244696	chr2	1.73E+08		0.221439	2.234996	0.026714	0.910785
cg19508488	chr2	1.52E+08		-0.22955	-2.2362	0.026633	0.910557
ch.20.905431R	chr20	42339567		0.329498	2.2405	0.026348	0.909091
cg07263853	chr5	1.8E+08		0.378219	2.235607	0.026673	0.910785
cg08220122	chr8	1.41E+08		0.299244	2.23582	0.026659	0.910707
cg20948151	chr1	36863938		0.402582	2.234291	0.026761	0.910785
cg23143796	chr6	33359770		-0.1496	-2.24119	0.026302	0.909084
cg00894134	chr9	1.31E+08	ENSG00000223478	-0.33256	-2.23997	0.026383	0.90948
cg07079755	chr20	62710946		-0.16387	-2.23867	0.026469	0.909761
cg21321359	chr2	81694534		-0.302	-2.24019	0.026368	0.909343
cg13277179	chr16	30759310		0.318978	2.236487	0.026614	0.910557
cg19780352	chr4	1.7E+08		0.58007	2.237195	0.026567	0.910557
cg02861260	chr13	1.14E+08		-0.36834	-2.2457	0.026005	0.907318
cg01037673	chr19	11485375	ZNF627;ZNF844	-0.152	-2.23708	0.026575	0.910557
cg21218561	chr14	34434147		-0.29968	-2.23736	0.026556	0.910557
cg22255690	chr13	49076999		0.27802	2.23562	0.026672	0.910785
cg23619577	chr1	65297524	ENSG00000226891	0.276293	2.24338	0.026158	0.908149
cg25635840	chr17	26898051	RPS7P1;RPL23A;SDF2	-0.18885	-2.23411	0.026774	0.910785
cg01910236	chr5	1661865	TRIP13;TPPP;LPCAT1;ENSG00000188002	-0.27207	-2.23439	0.026755	0.910785
cg24336769	chr6	38305513		0.226854	2.23613	0.026638	0.910557

cg16332283	chr21	45139805		-0.17327	-2.23532	0.026692	0.910785
cg06906472	chr2	1.08E+08		0.867524	2.233225	0.026833	0.91136
cg04291024	chr8	1.41E+08		0.242664	2.238496	0.026481	0.909761
cg00054173	chr21	34542436	GART	0.226256	2.236847	0.02659	0.910557
cg10112781	chr11	1.18E+08		-0.30494	-2.23769	0.026534	0.910296
cg17740434	chr2	1.79E+08	TTN-AS1;TTN	0.455317	2.235949	0.02665	0.910557
cg23262897	chr5	1.41E+08		0.219283	2.235404	0.026687	0.910785
cg23951781	chr4	1.6E+08		0.181859	2.239185	0.026435	0.90975
cg05345158	chr16	87730904	SLC7A5	0.271723	2.238731	0.026465	0.909761
cg07562541	chr6	1.37E+08		-0.19429	-2.23513	0.026705	0.910785
cg17159483	chr6	17600760		-0.14493	-2.23463	0.026739	0.910785
ch.12.679484R	chr12	30831548	ENSG00000177340	0.321532	2.239136	0.026438	0.90975
cg09095892	chr10	91597207		0.450192	2.234365	0.026756	0.910785
cg00287312	chr13	53420425		0.394397	2.236581	0.026608	0.910557
cg25324936	chr17	45398817		0.296564	2.240801	0.026328	0.909091
cg01055000	chr16	56763872		0.170605	2.234856	0.026723	0.910785
cg03313451	chr12	1.24E+08		0.382703	2.231887	0.026923	0.911633
cg06032735	chr6	84227227		-0.24149	-2.24056	0.026344	0.909091
cg02657401	chr19	22469223		0.325512	2.233397	0.026821	0.91123
cg18497280	chr19	42363952		-0.18186	-2.23387	0.026789	0.910785
cg18052823	chr5	1.09E+08		-0.28763	-2.23511	0.026707	0.910785
cg25310430	chr7	1.59E+08		-0.12629	-2.2363	0.026627	0.910557
cg13425637	chr14	61788328		-0.14405	-2.23372	0.0268	0.910785
cg01134309	chr16	89190525		-0.29838	-2.25251	0.025563	0.90562
cg21500092	chr17	4245206		-0.22301	-2.23743	0.026551	0.910528

cg22185206	chr5	1.73E+08		-0.23084	-2.23497	0.026716	0.910785
cg23001930	chr7	2094477		-0.291	-2.23172	0.026934	0.911633
cg22183049	chr5	1.39E+08	LRRTM2;MZB1	0.179435	2.246405	0.025959	0.907219
cg13378272	chr12	1.32E+08		-0.24997	-2.23625	0.026631	0.910557
cg03545404	chr5	1.5E+08	AFAP1L1	-0.33307	-2.23826	0.026496	0.909809
cg10248552	chr3	1.85E+08		0.181274	2.231665	0.026938	0.911633
cg10543501	chr5	1.54E+08		-0.25374	-2.23804	0.026511	0.909871
cg02889156	chr1	85548376		-0.25309	-2.23805	0.02651	0.909871
cg06124224	chr1	99470709		0.211522	2.232553	0.026878	0.911633
cg17465752	chr8	22561149	DOK2	-0.33323	-2.23179	0.026929	0.911633
cg21672550	chr9	34576199		-0.28861	-2.24157	0.026277	0.90884
cg00608548	chr19	40972521		0.291403	2.23602	0.026646	0.910557
cg00346623	chr6	38202492	RNF8	-0.33897	-2.23285	0.026858	0.911465
cg21996068	chr16	20360217		0.302915	2.2344	0.026754	0.910785
cg15681145	chr8	28906986		0.271658	2.236322	0.026625	0.910557
cg18813020	chr5	1.22E+08		0.354428	2.234839	0.026725	0.910785
cg17510320	chr11	66360559	CFL1;EIF1AD;DRAP1	0.157247	2.241551	0.026278	0.90884
cg21710060	chr13	1.14E+08		-0.20131	-2.23536	0.026689	0.910785
cg06581175	chr7	96632635		0.351719	2.233594	0.026808	0.910997
cg10143581	chr6	1.54E+08		-0.33499	-2.23615	0.026637	0.910557
cg05331791	chr20	62383275		-0.85468	-2.23285	0.026858	0.911465
cg16644177	chr19	58125438	ZNF135;ENSG00000176593	-0.22843	-2.23483	0.026725	0.910785
cg10546626	chr20	57424521		-0.26087	-2.23514	0.026705	0.910785
cg18213440	chr3	1E+08		-0.24201	-2.23631	0.026626	0.910557

cg01699298	chr20	54581398		0.276028	2.234886	0.026721	0.910785
cg24402603	chr22	45064465	EFCAB6	-0.15524	-2.23494	0.026718	0.910785
cg05952925	chr7	93551275		0.172373	2.234393	0.026754	0.910785
cg08946720	chr2	1416855		0.237076	2.239477	0.026415	0.909737
cg01108642	chr16	77103259		-0.25177	-2.24069	0.026335	0.909091
cg27571057	chr4	1646179		-0.30722	-2.2321	0.026909	0.911633
cg06456958	chr17	80928897		-0.28758	-2.23372	0.0268	0.910785
cg10213542	chr5	1.79E+08		-0.52853	-2.23248	0.026883	0.911633
cg15949044	chr5	1.41E+08		-0.22022	-2.23251	0.026881	0.911633
cg24175777	chr7	1.49E+08		0.247695	2.233864	0.02679	0.910785
cg23659015	chr14	35099524	RNU1-27P;NFKBIA	0.205301	2.23688	0.026588	0.910557
cg04830316	chr1	2.03E+08	LAX1	-0.27234	-2.23447	0.026749	0.910785
cg12448860	chr6	1.07E+08		-0.19238	-2.23569	0.026668	0.910785
cg19757573	chr14	1.02E+08	WARS	-0.35283	-2.23312	0.02684	0.91136
cg19790352	chr8	818778		0.438938	2.234666	0.026736	0.910785
cg13560841	chr8	1.42E+08		-0.27446	-2.23619	0.026634	0.910557
cg02176148	chr7	1.28E+08		0.301923	2.235587	0.026675	0.910785
cg22226342	chr21	31693907		-0.29316	-2.23466	0.026737	0.910785
cg19699628	chr3	1.5E+08		0.184144	2.232075	0.02691	0.911633
cg25906770	chr7	1.58E+08		0.310234	2.23378	0.026796	0.910785
cg07129924	chr7	1.55E+08		0.233704	2.234277	0.026762	0.910785
cg11510871	chr17	40703470		-0.25205	-2.23124	0.026967	0.911633
cg00591406	chr2	2.14E+08		-0.24988	-2.23864	0.026471	0.909761
cg19607229	chr15	65914184		0.259222	2.230153	0.02704	0.911633

cg21119293	chr14	1.05E+08		-0.24767	-2.23595	0.02665	0.910557
cg20092296	chr10	1.35E+08		-0.26936	-2.23659	0.026608	0.910557
cg20185461	chr19	18899082		0.268627	2.232372	0.02689	0.911633
cg23737190	chr6	36930021		0.4665	2.230804	0.026996	0.911633
cg15198788	chr1	31888341		-0.20073	-2.23098	0.026984	0.911633
cg22293823	chr11	1.16E+08	PCSK7;DSCAML1;CADM1;TAGLN;BACE1	-0.35448	-2.23636	0.026623	0.910557
cg07561547	chr1	2.01E+08		0.269225	2.229861	0.02706	0.911633
cg24936630	chr11	1.09E+08		-0.30998	-2.23747	0.026549	0.910528
cg16658337	chr5	1468749		-0.28401	-2.23519	0.026701	0.910785
cg16282527	chr3	10183940		0.27319	2.231366	0.026958	0.911633
cg04395369	chr19	19739209		-0.15661	-2.23043	0.027021	0.911633
cg11603443	chr3	58572520		0.257014	2.238535	0.026478	0.909761
cg19846700	chr12	56473973		-0.20534	-2.23245	0.026885	0.911633
cg08323651	chr7	1.37E+08		0.376429	2.231201	0.026969	0.911633
cg02155262	chr4	1.78E+08		0.210663	2.231768	0.026931	0.911633
cg15676455	chr3	1.29E+08		0.272259	2.238903	0.026454	0.909761
cg20140908	chr1	26303863		-0.26108	-2.23613	0.026638	0.910557
cg02946394	chr17	8011969	ZBTB4;CYB5D1;DNAH2	-0.26396	-2.23001	0.02705	0.911633
cg26333652	chr5	2750758		0.460621	2.230087	0.027045	0.911633
cg10912806	chr5	42421216		0.316388	2.238358	0.02649	0.909761
cg17213946	chr1	43997516		-0.17824	-2.23616	0.026636	0.910557
cg25124223	chr6	1.5E+08		-0.20843	-2.23393	0.026786	0.910785
cg22728551	chr15	61521987		0.310925	2.236358	0.026623	0.910557

cg00643145	chr16	11482317		-0.19018	-2.23391	0.026787	0.910785
cg14073063	chr19	9785906		0.390598	2.233118	0.02684	0.91136
cg05195235	chr19	40503293		0.170232	2.234368	0.026756	0.910785
cg11988722	chr20	33416959	GSS;ENSG00000269202;AHCY	-0.23838	-2.23179	0.02693	0.911633
cg17245230	chr2	2.37E+08		-0.27132	-2.23662	0.026606	0.910557
cg21690621	chr17	48858534		0.218168	2.235725	0.026665	0.910785
cg04492807	chr5	2225108		-0.30535	-2.23115	0.026973	0.911633
cg13958583	chr8	1.02E+08		-0.24951	-2.23122	0.026968	0.911633
cg18815798	chr5	625704		0.210416	2.234308	0.02676	0.910785
cg06385000	chr7	71118294		-0.20187	-2.22824	0.02717	0.912073
cg24625084	chr15	90171885	KIF7;CRTC3;MFGE8	-0.29381	-2.23947	0.026416	0.909737
cg16696856	chr19	14183086		-0.20416	-2.23454	0.026745	0.910785
cg19866195	chr13	37004536		0.35638	2.232485	0.026883	0.911633
cg01046673	chr22	29999118		-0.17233	-2.23619	0.026634	0.910557
cg15385139	chr6	29595506		0.235408	2.234061	0.026777	0.910785
cg05128707	chr12	1.32E+08		-0.22331	-2.23298	0.02685	0.911464
cg08026144	chr9	78505312		-0.27077	-2.23395	0.026784	0.910785
cg21406409	chr1	10413700	PIK3CD	0.204916	2.241554	0.026278	0.90884
cg23594882	chr7	54487346		-0.27406	-2.23181	0.026928	0.911633
cg07091355	chr11	33891733		0.292699	2.239671	0.026403	0.909654
cg21457839	chr20	2854634		-0.263	-2.23239	0.026889	0.911633
cg09363342	chr4	1765091		-0.25063	-2.23421	0.026767	0.910785
cg06645033	chr1	50890678		0.330233	2.229865	0.02706	0.911633

cg24874180	chr4	1.08E+08		0.364284	2.233881	0.026789	0.910785
cg02502510	chr17	72362447	SLC16A5	0.270694	2.231572	0.026944	0.911633
cg25744682	chr6	32797578	HLA-DMA;HLA-DMB;HLA-DRA;NOTCH4	0.730623	2.23032	0.027029	0.911633
cg05369357	chr15	95808226		-0.77394	-2.23243	0.026886	0.911633
cg10792864	chr6	32940589		-0.21126	-2.22981	0.027064	0.911633
cg17807131	chr4	4854690		-0.30879	-2.2315	0.026949	0.911633
cg22082665	chr1	2.45E+08		0.359483	2.238452	0.026483	0.909761
cg02092098	chr20	20032981		0.176346	2.233251	0.026831	0.91136
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cg05766251	chr17	37024760		0.249878	2.231513	0.026948	0.911633
cg02860543	chr7	23510648		0.326766	2.230957	0.026986	0.911633
cg25077558	chr5	1.57E+08	MED7	-0.32395	-2.23084	0.026993	0.911633
cg19378729	chr1	26484249		0.231486	2.233256	0.026831	0.91136
cg10327399	chr7	5390793		0.245839	2.230006	0.02705	0.911633
cg23077884	chr2	1.57E+08		0.279481	2.232423	0.026887	0.911633
cg04176254	chr16	67517429		-0.20052	-2.23041	0.027023	0.911633
cg05173737	chr14	62584005		0.120311	2.232337	0.026893	0.911633
cg14210694	chr2	1.91E+08	HIBCH	0.178435	2.238372	0.026489	0.909761
cg12283057	chr15	85625812		-0.15462	-2.23248	0.026883	0.911633
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cg23319046	chr18	3247432		0.141757	2.227135	0.027245	0.912073
cg00912738	chr8	1103240	ARHGEF10	-0.34362	-2.236	0.026647	0.910557

cg24931092	chr19	34921884	CD22	-0.36922	-2.22933	0.027096	0.911633
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cg21291881	chr7	8153369		0.209171	2.229069	0.027114	0.911665
cg23363464	chr11	94476388	CWC15	-0.23632	-2.23189	0.026923	0.911633
cg09989644	chr1	1.56E+08		0.224595	2.234346	0.026758	0.910785
cg08684473	chr19	54761090		-0.18705	-2.22951	0.027084	0.911633
cg07571734	chr7	1.51E+08		0.399711	2.229364	0.027094	0.911633
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cg26135506	chr10	92617562		0.149569	2.231482	0.02695	0.911633
cg15282281	chr10	88024557		-0.28547	-2.22916	0.027107	0.911633
cg16341690	chr14	23291090	RBM23;CDH24;EFS;ZFHX2;REM2;AJUBA;MMP14;ENSG00000157306;SLC22A17;ENSG00000228313;SLC7A7;DAD1	0.474719	2.240117	0.026373	0.909407
cg16887334	chr20	3052151		0.389833	2.23043	0.027021	0.911633
cg04654299	chr17	2308689		-0.43404	-2.23298	0.026849	0.911464
cg17014947	chr15	35529521		-0.25467	-2.23052	0.027015	0.911633
cg27655905	chr11	68038788		-0.183	-2.23464	0.026738	0.910785
cg04985652	chr20	18568437		-0.33609	-2.22984	0.027061	0.911633
cg06272089	chr15	74165916		0.311088	2.230835	0.026994	0.911633
cg02440279	chr17	61554400		0.157432	2.228041	0.027183	0.912073
cg08418138	chr1	2.47E+08		0.320879	2.230367	0.027026	0.911633

cg04815396	chr6	37226176	CMTR1	0.220811	2.234374	0.026756	0.910785
cg19180698	chr4	82471371		-0.27158	-2.2294	0.027091	0.911633
cg16044810	chr7	1.51E+08		0.22121	2.228364	0.027161	0.912073
cg11883161	chr10	99894664		0.16002	2.230081	0.027045	0.911633
cg22660370	chr8	64132778		0.351377	2.22992	0.027056	0.911633
cg22881435	chr8	37732086	TACC1;GPR124;FGFR1;RAB11FIP1;RPS20P22;DDHD2	0.255872	2.231774	0.026931	0.911633
cg12012356	chr21	30446241	N6AMT1;ENSG00000232855	0.242431	2.232075	0.02691	0.911633
cg13778743	chr17	45787887	LRRC37A17P	0.248118	2.22866	0.027141	0.911815
cg00711711	chr7	1.38E+08		-0.19678	-2.22694	0.027259	0.912073
cg01057962	chr3	1.87E+08		-0.18323	-2.23308	0.026843	0.911383
cg12834730	chr2	2.34E+08	EFHD1	-0.25107	-2.22746	0.027223	0.912073
cg21032266	chr14	74186279		0.262181	2.227608	0.027213	0.912073
cg18929428	chr6	30568674		-0.24771	-2.23345	0.026818	0.911182
cg08398371	chr19	41814839	PAFAH1B3;SPTBN4;CEACAM5;PRX;CEACAM6	0.181109	2.229973	0.027052	0.911633
cg20643362	chr19	30206369		-0.28175	-2.23035	0.027027	0.911633
cg13538517	chr7	1.58E+08		-0.26467	-2.23048	0.027018	0.911633
cg04248234	chr6	1.18E+08		0.346017	2.231257	0.026966	0.911633
cg27315979	chr19	17666193		-0.24662	-2.2318	0.026929	0.911633
cg04504006	chr6	75914030		-0.19103	-2.23611	0.026639	0.910557
cg24564603	chr7	1.58E+08		-0.33534	-2.23288	0.026856	0.911465

cg18911129	chr12	56470635	ERBB3;MMP19	-0.27971	-2.22883	0.02713	0.911815
cg22855021	chr14	81610812		-0.44108	-2.23603	0.026645	0.910557
cg24498180	chr1	47137226		0.34311	2.22754	0.027218	0.912073
cg14854718	chr1	11323027		-0.33003	-2.22908	0.027113	0.911665
cg05503532	chr6	8433377		0.41108	2.230781	0.026998	0.911633
cg13010497	chr9	38526947		0.332385	2.230313	0.027029	0.911633
cg26942166	chr15	35416837		-0.32571	-2.23431	0.02676	0.910785
cg04544858	chr5	67489737	PIK3R1	-0.29337	-2.23427	0.026762	0.910785
cg16024834	chr1	33646902		-0.1345	-2.234	0.026781	0.910785
cg07594341	chr4	24809415		-0.29371	-2.22599	0.027323	0.912073
cg03639021	chr5	1.81E+08		-0.30054	-2.23419	0.026768	0.910785
cg09846177	chr4	1.74E+08		0.215106	2.230529	0.027015	0.911633
cg06307913	chr4	81118794	ANTXR2	-0.48226	-2.22866	0.027141	0.911815
cg15879620	chr12	45032094		0.392089	2.230512	0.027016	0.911633
cg21286626	chr6	33290780	WDR46	-0.18181	-2.23613	0.026638	0.910557
cg21787206	chr12	1.22E+08		0.218128	2.231183	0.026971	0.911633
cg17780246	chr19	54481467		0.358824	2.229662	0.027073	0.911633
cg14976342	chr1	15255231		0.312775	2.229369	0.027093	0.911633
cg01634758	chr19	2136136		-0.32496	-2.22684	0.027265	0.912073
cg16216227	chr4	1.74E+08		0.325017	2.226998	0.027254	0.912073
cg03081743	chr16	1630880		-0.2513	-2.232	0.026916	0.911633
cg21607700	chr6	1.66E+08		-0.23365	-2.23312	0.02684	0.91136
cg04789818	chr16	49005567		-0.24306	-2.22822	0.027171	0.912073
cg12246156	chr17	64522604		-0.27001	-2.22973	0.027069	0.911633
cg06332964	chr22	47253846		-0.33122	-2.22779	0.027201	0.912073

cg09721427	chr10	94448702		0.314612	2.231781	0.02693	0.911633
cg02083376	chr11	44120437		0.36821	2.230465	0.027019	0.911633
cg16202470	chr17	8907213		0.265319	2.231518	0.026948	0.911633
cg10502431	chr2	1.31E+08		0.158348	2.226823	0.027266	0.912073
cg04303382	chr17	77766421		0.265672	2.229768	0.027066	0.911633
cg01815921	chr17	15903739	TRPV2	-0.28322	-2.22863	0.027143	0.911815
cg17490089	chr19	8398300		0.186531	2.235316	0.026693	0.910785
cg16102102	chr5	83017553		-0.40743	-2.2268	0.027268	0.912073
cg09451738	chr2	2.43E+08		0.370453	2.227376	0.027229	0.912073
cg14744743	chr18	13871595	LDLRAD4	-0.27313	-2.22972	0.027069	0.911633
cg17809181	chr7	1.58E+08		-0.19559	-2.22928	0.0271	0.911633
cg07767963	chr17	41978060	RPL27	-0.17517	-2.22856	0.027148	0.911815
cg23553867	chr18	74325812		-0.23139	-2.23097	0.026985	0.911633
cg03017946	chr4	72897281		0.337309	2.233953	0.026784	0.910785
cg23893332	chr14	94576048	SERPINA1;IFI27	0.281844	2.231425	0.026954	0.911633
cg09059178	chr1	24742199		-0.23076	-2.23027	0.027032	0.911633
cg20128319	chr2	97174815		0.28775	2.228624	0.027144	0.911815
cg15056205	chr2	2.29E+08		0.271907	2.226013	0.027322	0.912073
cg01753375	chr2	74607600	TACR1	-0.18126	-2.22945	0.027088	0.911633
cg23691223	chr1	57785036		-0.39086	-2.22922	0.027103	0.911633
cg23624891	chr6	30570123		-0.23119	-2.23116	0.026972	0.911633
cg04134722	chr15	87436107	NTRK3	0.337334	2.230554	0.027013	0.911633
cg07666035	chr16	21289818		-0.25839	-2.23152	0.026948	0.911633
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cg16132219	chr10	1.06E+08		-0.16989	-2.22666	0.027278	0.912073

cg14517250	chr1	35450601		0.190286	2.234065	0.026776	0.910785
cg10195687	chr14	74926396		-0.21275	-2.22679	0.027268	0.912073
cg03799220	chr15	52860635		-0.32952	-2.23066	0.027006	0.911633
cg10503284	chr14	24021020		-0.17892	-2.22605	0.027319	0.912073
cg19631264	chr14	1.02E+08		-0.32909	-2.22989	0.027058	0.911633
cg22735601	chr4	13334645		-0.21526	-2.23006	0.027047	0.911633
cg00331845	chr10	1.35E+08		0.243727	2.233877	0.026789	0.910785
cg16240060	chr3	48956015		-0.19168	-2.22875	0.027136	0.911815
cg23473443	chr19	44905916		0.321417	2.228823	0.02713	0.911815
cg08903181	chr12	89018232		-0.38194	-2.2249	0.027398	0.912253
cg14696458	chr1	91185157		0.39323	2.228308	0.027165	0.912073
cg05313794	chr2	1845466		0.360863	2.229625	0.027076	0.911633
cg24308336	chr20	37270989	KIAA1755;VSTM2L;RPRD1B	-0.23788	-2.2346	0.026741	0.910785
cg24803202	chr11	64658903		-0.17925	-2.22877	0.027134	0.911815
cg16123760	chr8	1.28E+08		0.211725	2.232863	0.026857	0.911465
cg27137836	chr3	1.26E+08	ENSG00000241288	-0.23634	-2.22535	0.027367	0.912073
cg02142926	chr6	1.35E+08	TCF21;SLC2A12	-0.3642	-2.2274	0.027227	0.912073
cg18690395	chr10	53459536		-0.25022	-2.22757	0.027215	0.912073
cg17695351	chr2	26467313		-0.17227	-2.22677	0.02727	0.912073
cg14502172	chr10	5454184		-0.2967	-2.22581	0.027335	0.912073
cg18749273	chr15	68569993		-0.19502	-2.22996	0.027053	0.911633
cg17796982	chr8	1.43E+08		-0.30879	-2.22954	0.027081	0.911633

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cg14377739	chr9	1.4E+08		0.43231	2.229146	0.027108	0.911633
cg12508693	chr11	27657625		0.468757	2.226711	0.027274	0.912073
cg09789636	chr1	2.48E+08		0.267105	2.225528	0.027355	0.912073
cg22144942	chr15	89151201		-0.25162	-2.22788	0.027195	0.912073
cg18518804	chr14	91275103		-0.24016	-2.22822	0.027171	0.912073
cg18631376	chr17	81052836		0.291266	2.227124	0.027246	0.912073
cg15241501	chr10	33294750		0.350453	2.226331	0.0273	0.912073
cg19131541	chr10	33608914		-0.21937	-2.22473	0.02741	0.91245
cg17536586	chr10	25249166		-0.47214	-2.22771	0.027206	0.912073
cg16470716	chr6	28956719	HCG14	0.458581	2.225741	0.02734	0.912073
cg06940168	chr17	64370665		0.246668	2.228627	0.027144	0.911815
cg24752582	chr18	77675387		0.236569	2.228135	0.027177	0.912073
cg21365914	chr17	77813616		0.137901	2.229878	0.027059	0.911633
cg18192719	chr2	24712657		0.271404	2.228594	0.027146	0.911815
cg05612279	chr12	52241471		0.218197	2.225049	0.027388	0.912253
cg03724260	chr17	7387800		-0.2522	-2.22742	0.027225	0.912073

cg17369032	chr17	47590326	NXPH3;COL1A1;HOXB4;HOXB3;CALCOCO2;HOXB-AS2	-0.3392	-2.2292	0.027105	0.911633
cg24875595	chr2	79363761		-0.36554	-2.2294	0.027091	0.911633
cg02237906	chr17	72667743		0.313134	2.225258	0.027373	0.912073
cg23765170	chr17	57287718		0.271532	2.231315	0.026962	0.911633
cg06708198	chr5	1244729		-0.28758	-2.22468	0.027413	0.91245
cg00821764	chr3	1.24E+08		-0.23495	-2.22556	0.027353	0.912073
cg24059119	chr19	30715575		0.261216	2.227085	0.027248	0.912073
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cg00339430	chr4	1.86E+08		0.273276	2.229761	0.027067	0.911633
cg03627350	chr10	1.35E+08		-0.31025	-2.22618	0.02731	0.912073
cg16450654	chr2	95978173		-0.29621	-2.22347	0.027496	0.912643
cg25360747	chr7	32529948		-0.22643	-2.22423	0.027444	0.91245
cg22319311	chr8	98290310	TSPYL5	0.273367	2.226473	0.02729	0.912073
cg13405381	chr4	6024875		-0.24481	-2.22541	0.027363	0.912073
ch.16.50203861R	chr16	51646360		0.325869	2.228125	0.027178	0.912073
cg22987188	chr3	1.02E+08	ZNF90P1	0.318978	2.231552	0.026946	0.911633
cg02399831	chr3	1.12E+08		0.343246	2.225619	0.027349	0.912073
cg26155475	chr1	25072216		-0.13329	-2.22446	0.027428	0.91245
cg15850063	chr9	68411051		0.176296	2.230104	0.027043	0.911633
cg25332265	chr18	77194663		-0.26504	-2.23185	0.026925	0.911633
cg23250574	chr6	28661310	HCG14	0.367824	2.225877	0.027331	0.912073
cg19898526	chr1	1275714		-0.27514	-2.22462	0.027417	0.91245
cg09309950	chr20	3640545	ADAM33;CDC25B	-0.24105	-2.22557	0.027352	0.912073

cg07558131	chr16	22929420	DCTN5	-0.39754	-2.2279	0.027193	0.912073
cg04778012	chr7	99775508		0.356078	2.224487	0.027426	0.91245
cg00181125	chr12	22095182		0.375273	2.228092	0.02718	0.912073
cg05607461	chr2	1.92E+08		0.296221	2.229577	0.027079	0.911633
cg23378565	chr7	2036160		-0.24695	-2.22552	0.027355	0.912073
cg20698924	chr15	28344730		0.297269	2.225022	0.027389	0.912253
cg00729475	chr16	19533549		-0.22365	-2.223	0.027528	0.912681
cg14086160	chr1	1.6E+08		-0.16402	-2.2295	0.027085	0.911633
cg15398255	chr12	63195954		-0.30672	-2.22835	0.027162	0.912073
cg09620688	chr11	64973088	SLC25A45;FERMT3	0.191074	2.2241	0.027453	0.912479
cg15080430	chr6	70876494		-0.38839	-2.22298	0.02753	0.912681
cg20710777	chr5	1.1E+08		-0.31519	-2.226	0.027323	0.912073
cg09239144	chr11	1.24E+08		0.176986	2.225332	0.027368	0.912073
cg10775195	chr14	77292399		-0.29375	-2.22541	0.027363	0.912073
cg07199619	chr13	78272885		-0.27157	-2.22748	0.027222	0.912073
cg12032713	chr8	1.06E+08		-0.28246	-2.22739	0.027228	0.912073
cg00659271	chr2	1.14E+08	PSD4	0.305107	2.224947	0.027395	0.912253
cg13043862	chr8	72274598		-0.39226	-2.22954	0.027082	0.911633
cg02789870	chr8	1681514		0.267646	2.224333	0.027437	0.91245
cg23229224	chr2	7561260		0.346216	2.223673	0.027482	0.912569
cg05938267	chr16	77228897		0.276971	2.222118	0.027589	0.912792
cg25561639	chr5	1.17E+08		0.459462	2.22777	0.027202	0.912073
cg18340983	chr11	72941691		-0.20588	-2.22709	0.027248	0.912073
cg15427567	chr14	21458055		-0.21915	-2.22598	0.027324	0.912073

cg01056350	chr1	2.11E+08		0.150797	2.227752	0.027203	0.912073
cg16090273	chr5	1.5E+08		0.135966	2.223187	0.027515	0.912681
cg07822305	chr1	1.17E+08		-0.1376	-2.2239	0.027466	0.912479
cg09805682	chr1	38455681		0.153741	2.225977	0.027324	0.912073
cg10855395	chr12	1.25E+08		0.324487	2.22349	0.027494	0.912643
cg04459360	chr6	1.7E+08		-0.33587	-2.22309	0.027522	0.912681
cg25963980	chr11	35442225		0.27342	2.22618	0.02731	0.912073
cg10736454	chr19	7739455		0.355326	2.224319	0.027438	0.91245
cg14132364	chr9	1.39E+08		-0.26797	-2.22386	0.027469	0.912479
cg00061629	chr11	44325258		0.298221	2.22546	0.027359	0.912073
cg23830780	chr10	37106964		-0.31577	-2.22496	0.027394	0.912253
cg04452437	chr6	1.7E+08	THBS2;PHF10	0.42991	2.222522	0.027561	0.912792
cg10067743	chr6	99873275		-0.27299	-2.22609	0.027316	0.912073
cg12074985	chr10	99080756		0.220262	2.230076	0.027045	0.911633
cg21893846	chr5	36152130		-0.17851	-2.23278	0.026863	0.911552
cg00619497	chr13	48878736		0.244025	2.229973	0.027052	0.911633
cg08286218	chr13	1.15E+08		-0.1838	-2.22432	0.027438	0.91245
cg09954820	chr4	1E+08	METAP1;DAPP1; ADH7;EMCN	-0.39735	-2.23373	0.026799	0.910785
cg13273340	chr11	62690717		0.235444	2.22687	0.027263	0.912073
cg15742060	chr7	45849612		-0.15288	-2.22429	0.02744	0.91245
cg17447014	chr15	52821424		0.159494	2.226211	0.027308	0.912073
cg00066360	chr17	1374650		-0.27021	-2.22456	0.027421	0.91245
cg11466504	chr5	1.8E+08		0.249974	2.221711	0.027617	0.912792
cg20225041	chr19	11545949		-0.21632	-2.22866	0.027141	0.911815

cg11332505	chr1	3294322		-0.2155	-2.22785	0.027196	0.912073
cg06728970	chr21	39037746	ERG	-0.38835	-2.22387	0.027468	0.912479
cg07746882	chr10	49866792		-0.29429	-2.22798	0.027187	0.912073
cg01744354	chr2	27712243		0.31959	2.225329	0.027368	0.912073
cg22807187	chr15	25474743		-0.15022	-2.22722	0.027239	0.912073
cg18338925	chr6	1.06E+08		0.325564	2.223401	0.027501	0.912643
cg11872672	chr7	1.58E+08		-0.25606	-2.22327	0.027509	0.912681
cg01327602	chr19	55952038	ZNF582	0.367988	2.22359	0.027488	0.91261
cg00434010	chr6	1.01E+08		0.284701	2.222328	0.027574	0.912792
cg12760368	chr2	2.43E+08		-0.31238	-2.22779	0.027201	0.912073
cg17857241	chr22	19016820		0.322791	2.225151	0.027381	0.912245
cg06080688	chr4	1.44E+08		-0.23467	-2.22638	0.027297	0.912073
cg03386509	chr8	27845994		-0.26043	-2.2228	0.027542	0.912792
cg21987785	chr19	36019198		-0.26163	-2.22655	0.027285	0.912073
cg10387761	chr17	42856823		0.249018	2.225706	0.027343	0.912073
cg22231424	chr3	25513799		-0.32836	-2.22657	0.027284	0.912073
cg04265964	chr11	1.22E+08		-0.40945	-2.22178	0.027612	0.912792
cg11589520	chr17	14200790		0.24256	2.221926	0.027602	0.912792
cg09576319	chr17	48544724		-0.23866	-2.21999	0.027736	0.912792
cg11183036	chr6	37070600		-0.18881	-2.22042	0.027706	0.912792
cg04973802	chr16	6696189		0.40065	2.223178	0.027516	0.912681
cg24543574	chr10	76789311		0.221609	2.228061	0.027182	0.912073
cg16548348	chr22	19842481		-0.12911	-2.2265	0.027288	0.912073
cg06120235	chr8	29211949		-0.2931	-2.22957	0.02708	0.911633
cg05324014	chr15	93975794		0.285197	2.228761	0.027135	0.911815

cg11416290	chr4	1.12E+08		0.295986	2.230075	0.027045	0.911633
cg26725786	chr8	27352103	DPYSL2	-0.23151	-2.22122	0.02765	0.912792
cg01023827	chr8	1.44E+08		0.227103	2.225084	0.027385	0.912253
cg22813326	chr14	74876300		-0.2779	-2.22368	0.027481	0.912569
cg11799735	chr11	75111455	ENSG00000255326	0.252188	2.226613	0.027281	0.912073
cg00260647	chr6	30524003		-0.19871	-2.22721	0.02724	0.912073
cg01444849	chr16	34430837		0.34877	2.222517	0.027561	0.912792
cg25416125	chr12	56329615	IKZF4	0.25122	2.224904	0.027397	0.912253
cg01348086	chr5	1.77E+08	FGFR4;GRK6	-0.29391	-2.22431	0.027438	0.91245
cg14615946	chr17	74466087		-0.15081	-2.22207	0.027592	0.912792
cg05904966	chr5	7851031		0.582343	2.22232	0.027575	0.912792
cg22833147	chr4	1.78E+08		-0.19751	-2.22422	0.027444	0.91245
cg18141622	chr2	2.39E+08		-0.37051	-2.22648	0.02729	0.912073
cg21489622	chr6	1.43E+08		-0.28372	-2.22688	0.027263	0.912073
cg24440827	chr11	18478135		0.281467	2.224048	0.027456	0.912479
cg05009394	chr11	82611593		0.209671	2.223108	0.027521	0.912681
cg09762054	chr17	31147683		-0.37423	-2.22241	0.027569	0.912792
cg23301740	chr4	1.9E+08		0.325936	2.225772	0.027338	0.912073
cg08065229	chr19	16606621		0.356959	2.225695	0.027343	0.912073
cg11427463	chr19	579361		-0.34856	-2.22249	0.027563	0.912792
cg23068476	chr12	2613703		-0.32349	-2.22065	0.02769	0.912792
cg19213955	chr17	72427108	CD300LF	0.235094	2.224018	0.027458	0.912479
cg08732594	chr17	78582389		0.283765	2.221019	0.027665	0.912792
cg05230176	chr6	52694054		-0.18293	-2.22668	0.027276	0.912073
cg00740861	chr6	35772794		-0.2413	-2.22095	0.02767	0.912792

cg02136132	chr14	90527891		0.290825	2.224649	0.027415	0.91245
cg19811253	chr1	1.6E+08	ATP1A2;USF1;PVRL4	0.255023	2.223146	0.027518	0.912681
cg00622655	chr21	37667639		-0.24776	-2.22526	0.027373	0.912073
cg25010832	chr5	1.79E+08	ADAMTS2	-0.30676	-2.22346	0.027496	0.912643
cg23211703	chr1	44071073		0.201435	2.224067	0.027455	0.912479
cg21480464	chr17	17457767		-0.34957	-2.22955	0.027081	0.911633
cg02739437	chr4	1.68E+08		-0.27571	-2.22395	0.027463	0.912479
cg07255841	chr5	531305	SLC9A3;ENSG00000188242	0.334665	2.222754	0.027545	0.912792
cg24825767	chr10	18453319		-0.32515	-2.22797	0.027188	0.912073
cg25997306	chr2	1.33E+08		0.456873	2.220381	0.027709	0.912792
cg27589742	chr16	85296503	COTL1;ENSG00000261471	-0.3243	-2.22627	0.027304	0.912073
cg14399863	chr9	707166		0.282182	2.222937	0.027532	0.912681
cg26048448	chr1	1.98E+08		0.339236	2.226865	0.027263	0.912073
cg01572694	chr17	46657555		0.309099	2.219658	0.027759	0.912792
cg00235645	chr15	40886408		0.165456	2.222372	0.027571	0.912792
cg11954680	chr5	1.4E+08		0.272819	2.220209	0.027721	0.912792
cg10475477	chr22	42196676	WBP2NL	-0.22941	-2.22494	0.027395	0.912253
cg01656837	chr2	1.69E+08	LRP2;ABCB11;SPC25;NOSTRIN	0.399378	2.231272	0.026965	0.911633
cg18297705	chr11	1994927		-0.17891	-2.2199	0.027742	0.912792
cg05577810	chr2	79220510		0.339741	2.220861	0.027676	0.912792
cg06635343	chr12	1.31E+08		0.298315	2.223031	0.027526	0.912681
cg01792368	chr6	1.31E+08		-0.19195	-2.22367	0.027482	0.912569

cg07394266	chr9	71155970		0.454012	2.224511	0.027424	0.91245
cg27180286	chr16	57768853		-0.32872	-2.22548	0.027358	0.912073
cg20434856	chr5	16713588		0.343014	2.231369	0.026958	0.911633
ch.10.2545310R	chr10	1.21E+08		-0.47219	-2.22743	0.027225	0.912073
cg12914689	chr14	64108752		-0.18529	-2.22125	0.027648	0.912792
cg18155632	chr10	18947959		0.203823	2.223388	0.027501	0.912643
cg03933279	chr12	12849136		0.39181	2.2239	0.027466	0.912479
cg25833001	chr8	1692726		-0.2213	-2.21855	0.027835	0.912792
cg00523604	chr6	32223341	BTNL2;HLA-C;GPSM3;NEU1;ENSG00000225914	-0.35504	-2.22632	0.027301	0.912073
cg19738774	chr11	68778850		0.186876	2.221923	0.027602	0.912792
cg01534527	chr3	38003247	SCN11A;DLEC1;OXSR1;MYD88;EXOG	0.444713	2.226438	0.027293	0.912073
cg01013590	chr2	1.2E+08		0.373272	2.219478	0.027771	0.912792
cg07628771	chr7	4383660		0.306366	2.222367	0.027572	0.912792
cg26719024	chr10	1.05E+08		0.212878	2.226668	0.027277	0.912073
cg02174748	chr14	1.02E+08		-0.23674	-2.2177	0.027895	0.912792
cg14189141	chr9	1042605		0.490863	2.22065	0.02769	0.912792
cg17111669	chr20	44718800		-0.20562	-2.22174	0.027615	0.912792
cg26510500	chr2	74778482		-0.18888	-2.22121	0.027651	0.912792
cg06334484	chr7	35948145		0.214245	2.218579	0.027834	0.912792
cg06542022	chr7	1.55E+08		0.248627	2.221691	0.027618	0.912792
cg22758504	chr8	78533131		-0.29034	-2.22151	0.027631	0.912792

cg16113661	chr6	31857007	DDR1;TNXB;SLC44A4;CLIC1;BAG6;NOTCH4;PSMB8;FKBPL;NELFE;DDAH2;ATF6B	-0.34639	-2.22588	0.027331	0.912073
cg09660970	chr8	74005022	ENSG00000253636;SBSPON;RDH10;ENSG00000253339;ENSG00000237061;TERF1	0.272235	2.220764	0.027682	0.912792
cg05617469	chr13	1.01E+08		0.256353	2.222006	0.027597	0.912792
cg18345844	chr7	1.4E+08		-0.31139	-2.22571	0.027342	0.912073
cg23968831	chr4	1617118	WHSC1;ENSG00000248399;ENSG00000206113;ENSG00000249428;PDE6B	-0.23084	-2.22002	0.027734	0.912792
cg24357026	chr19	36705589		-0.38074	-2.21714	0.027933	0.912792
cg05078238	chr2	2.42E+08		0.180758	2.224302	0.027439	0.91245
cg10384064	chr14	95156065		0.212497	2.225434	0.027361	0.912073
cg09415057	chr12	53835296		0.228583	2.222141	0.027587	0.912792
cg07964754	chr16	84650202		0.750791	2.219128	0.027795	0.912792
cg11270237	chr19	36449803		0.298698	2.223825	0.027471	0.912499
cg15123104	chr2	1.31E+08		0.286901	2.220954	0.027669	0.912792
cg07668052	chr17	7745072		0.195605	2.220671	0.027689	0.912792
cg15256305	chr17	36734942		-0.20401	-2.22336	0.027504	0.912643
cg14896157	chr3	5137549		0.350036	2.224408	0.027431	0.91245

cg05238530	chr19	1096021		-0.38311	-2.22122	0.027651	0.912792
cg12489736	chr17	47307544		0.20974	2.224262	0.027441	0.91245
cg02732508	chr16	89628853		0.323592	2.219464	0.027772	0.912792
cg13297398	chr22	37156309		-0.21084	-2.22189	0.027604	0.912792
cg07328317	chr4	1.74E+08		0.232489	2.220666	0.027689	0.912792
cg12148129	chr2	1.78E+08		0.38837	2.221575	0.027626	0.912792
cg19204131	chr6	10385320	SYCP2L;NEDD9;C6orf52;MAK	0.353866	2.226618	0.02728	0.912073
cg15576869	chr7	50450374		0.32886	2.217036	0.027941	0.912792
cg25732028	chr17	46619313	HOXB3	0.38351	2.217673	0.027896	0.912792
cg13432010	chr1	11107886		0.268177	2.223326	0.027506	0.912643
cg26639809	chr19	33781782		-0.22275	-2.22005	0.027732	0.912792
cg21347412	chr19	4339217	GIPC3;PTPRS;TJP3;TBXA2R;DAPK3;SEMA6B;PIP5K1C;APBA3	-0.37829	-2.21944	0.027774	0.912792
cg21655171	chr7	1097952		-0.46399	-2.23624	0.026631	0.910557
cg16412082	chr10	1.15E+08		-0.25542	-2.22555	0.027353	0.912073
cg17508462	chr5	1.81E+08		-0.33248	-2.21863	0.02783	0.912792
cg22729910	chr7	44084282		-0.23166	-2.21625	0.027995	0.912989
cg12039660	chr17	8955687		-0.27101	-2.22149	0.027632	0.912792
cg02154186	chr8	26371353		0.340011	2.217792	0.027888	0.912792
cg10583000	chr2	98963134		0.213333	2.220191	0.027722	0.912792
cg01239704	chr7	1.58E+08		-0.27658	-2.22118	0.027654	0.912792
cg11700630	chr17	73855804	HN1	-0.27813	-2.21693	0.027948	0.912792

cg10764068	chr7	27289829		0.19163	2.217262	0.027925	0.912792
cg24846373	chr1	84461082		-0.29147	-2.22163	0.027622	0.912792
cg14321539	chr8	53326384		0.303468	2.224082	0.027454	0.912479
cg02264862	chr5	1.54E+08		-0.27861	-2.22098	0.027668	0.912792
cg16699074	chr19	42192347		0.281957	2.217411	0.027915	0.912792
cg12573935	chr2	1.53E+08		0.277489	2.217805	0.027887	0.912792
cg01715025	chr1	1.46E+08	PRKAB2;PDE4DIP	-0.39932	-2.22252	0.027561	0.912792
cg00667841	chr4	3308884		0.376968	2.217831	0.027885	0.912792
cg00750880	chr17	75681168		-0.34593	-2.22029	0.027715	0.912792
cg19912470	chr1	43253575		-0.18857	-2.22034	0.027712	0.912792
cg15484532	chr1	4714171		0.339905	2.21894	0.027808	0.912792
cg20985755	chr3	24536474		0.306672	2.220578	0.027695	0.912792
cg08294750	chr19	3970736		-0.29264	-2.22115	0.027656	0.912792
cg00849025	chr11	58170461		-0.29742	-2.22122	0.027651	0.912792
cg15177315	chr10	1.02E+08		-0.12403	-2.22034	0.027711	0.912792
cg05089527	chr2	594509		-0.27566	-2.22268	0.02755	0.912792
cg03400491	chr11	47470887		0.218414	2.222943	0.027532	0.912681
cg14029903	chr8	1.46E+08		0.324024	2.221676	0.027619	0.912792
cg16030119	chr17	46663394		0.259854	2.220121	0.027727	0.912792
cg08826251	chr14	58332909		0.43372	2.222601	0.027556	0.912792
ch.8.26357406F	chr8	26301489		-0.28955	-2.22549	0.027358	0.912073
cg15070709	chr1	11579475		-0.2885	-2.22363	0.027485	0.912584
cg13054613	chr3	7742036		-0.34042	-2.21942	0.027775	0.912792
cg11165626	chr10	21786221	ENSG00000233451	-0.17345	-2.21883	0.027816	0.912792
cg03634947	chr20	33547679		0.285348	2.217501	0.027908	0.912792

cg01158937	chr10	1.01E+08	LINC00263	-0.21411	-2.22702	0.027253	0.912073
cg22242345	chr17	81011013		-0.27069	-2.21839	0.027846	0.912792
cg14574369	chr12	57483631	RPL41	-0.23331	-2.21917	0.027793	0.912792
cg17726105	chr11	1.22E+08		0.425498	2.217516	0.027907	0.912792
cg15914316	chr7	2083197		0.29445	2.218028	0.027872	0.912792
cg03425785	chr20	62221387		-0.67017	-2.21948	0.027771	0.912792
cg17852385	chr15	75019188		0.294798	2.220136	0.027726	0.912792
cg20136738	chr1	2.31E+08		-0.1863	-2.21678	0.027959	0.912935
cg20124409	chr22	42980637		0.215006	2.223779	0.027475	0.912532
cg12672713	chr8	30889709	RBPMS	-0.27086	-2.21797	0.027876	0.912792
cg07115761	chr16	396494		-0.3027	-2.22094	0.02767	0.912792
cg05655011	chr1	29189486		0.769238	2.216799	0.027957	0.912935
cg07260592	chr6	1.61E+08		-0.32728	-2.21841	0.027845	0.912792
cg26794938	chr8	27549068		0.354956	2.222723	0.027547	0.912792
cg00740803	chr4	1.13E+08		0.221279	2.216933	0.027948	0.912792
cg17082803	chr2	71127573		-0.23524	-2.21846	0.027842	0.912792
cg01850934	chr14	68141664		-0.14661	-2.22466	0.027414	0.91245
cg04607521	chr4	3231885		0.220577	2.220981	0.027667	0.912792
cg22618556	chr12	1.33E+08		-0.26316	-2.2162	0.027999	0.912989
cg06807397	chr13	44948413		0.285958	2.218911	0.02781	0.912792
cg13253055	chr10	1.05E+08	ARL3;C10orf32;CALHM2	0.328068	2.218196	0.02786	0.912792
cg08800613	chr2	1595498		0.482589	2.223349	0.027504	0.912643
cg06662812	chr2	1.09E+08		0.304027	2.216187	0.028	0.912989
cg23163471	chr10	30024328		-0.19187	-2.22103	0.027664	0.912792

cg17556389	chr6	33154621		-0.217	-2.21842	0.027844	0.912792
cg03384992	chr18	21852325		0.255984	2.217394	0.027916	0.912792
cg04901044	chr9	1.34E+08		-0.23488	-2.21593	0.028018	0.912989
cg14611402	chr6	1.18E+08		0.236172	2.216813	0.027956	0.912935
cg02257712	chr5	1.5E+08	RPS14	0.184311	2.218322	0.027851	0.912792
cg17872838	chr13	52607339		-0.31467	-2.2203	0.027714	0.912792
cg02545192	chr5	1294729	ENSG00000232615	0.249128	2.220426	0.027706	0.912792
cg13126121	chr8	8085946	ALG1L13P	-0.3308	-2.21453	0.028116	0.913188
cg07869023	chr20	17212376	MGME1	-0.40197	-2.22066	0.027689	0.912792
cg00551679	chr16	86547530		0.31368	2.219385	0.027778	0.912792
cg02865832	chr17	77083140		-0.24909	-2.22157	0.027626	0.912792
cg27058257	chr19	30019529		0.162634	2.220086	0.027729	0.912792
cg06090895	chr8	26980438		0.293274	2.21614	0.028003	0.912989
cg01914455	chr7	77649564		0.203832	2.221346	0.027642	0.912792
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cg00765655	chr1	6304199		0.308061	2.216961	0.027946	0.912792
cg10986050	chr10	27704762		-0.22982	-2.21565	0.028038	0.913135
cg10232470	chr17	78010010		-0.14706	-2.21702	0.027942	0.912792
cg03363567	chr17	57642929		-0.18394	-2.21837	0.027848	0.912792
cg09567596	chr8	87684002		-0.25746	-2.21765	0.027898	0.912792
cg02408009	chr15	28422194		-0.28296	-2.22234	0.027574	0.912792
cg23311195	chr19	1434935		0.276798	2.216025	0.028011	0.912989
cg21521250	chr18	43753889		0.149072	2.218533	0.027837	0.912792
cg10565645	chr18	33234532		0.420024	2.22052	0.027699	0.912792
cg08395122	chr5	1.41E+08		0.248035	2.214908	0.028089	0.913153

cg01466741	chr5	1.35E+08		-0.26847	-2.21766	0.027898	0.912792
cg00188704	chr7	27140797	HOXA1	0.354672	2.217209	0.027929	0.912792
cg03192775	chr13	27335151		0.289091	2.21857	0.027834	0.912792
cg16676655	chr6	33383412		-0.16193	-2.21822	0.027859	0.912792
cg27236875	chr2	2.13E+08		-0.24654	-2.22526	0.027373	0.912073
cg13933734	chr1	1.2E+08		0.282724	2.215504	0.028048	0.913135
cg24811290	chr4	1.59E+08		-0.33199	-2.21983	0.027747	0.912792
cg19438750	chr15	91768905	BLM;PRC1	-0.33491	-2.21924	0.027788	0.912792
cg19896109	chr1	1.11E+08		0.1834	2.217233	0.027927	0.912792
cg13975625	chr4	1.64E+08		-0.35207	-2.21826	0.027856	0.912792
cg05427907	chr8	1.24E+08	ZHX2;ENSG00000254000	-0.26819	-2.2176	0.027902	0.912792
cg03147990	chr19	37701738		0.286275	2.219687	0.027757	0.912792
cg25684844	chr2	2.39E+08		-0.16215	-2.21869	0.027826	0.912792
cg14902356	chr20	10015648		0.166602	2.219779	0.02775	0.912792
cg02965290	chr17	38108850	ENSG00000264198	-0.23583	-2.21631	0.027991	0.912989
cg24756435	chr2	1.31E+08		0.315939	2.218443	0.027843	0.912792
cg23717186	chr1	2.27E+08	ITPKB-IT1	0.333483	2.215727	0.028032	0.913135
cg18518722	chr22	20786717	TUBA3FP;ENSG00000187905;P2RX6	0.195147	2.216508	0.027978	0.912989
cg11508528	chr2	1.29E+08	AMMECR1L	0.349036	2.216346	0.027989	0.912989
cg10594090	chr19	46800198		0.216419	2.220816	0.027679	0.912792
cg07335248	chr11	18096120		-0.17494	-2.21792	0.027879	0.912792
cg05722931	chr5	1.69E+08	SLIT3	-0.28887	-2.21929	0.027784	0.912792
cg16482314	chr8	77596069		0.322368	2.220073	0.02773	0.912792

cg04151146	chr19	16144499	NWD1	-0.21454	-2.21555	0.028044	0.913135
cg08414570	chr9	19788757		0.329733	2.215049	0.028079	0.913153
cg16239216	chr5	532991	SLC9A3;ENSG00000188242;CEP72	0.299771	2.217289	0.027923	0.912792
cg02554712	chr2	2.39E+08		0.218147	2.215496	0.028048	0.913135
cg16910042	chr7	1.58E+08		-0.39067	-2.21981	0.027748	0.912792
cg22793735	chr3	1.46E+08		-0.45642	-2.21737	0.027917	0.912792
cg18425651	chr15	42700579		-0.21812	-2.2156	0.028041	0.913135
cg08764925	chr11	1324576	MRPL23;LRRC56	0.303681	2.218649	0.027829	0.912792
cg03826594	chr12	54812085		-0.24614	-2.21391	0.028159	0.913221
cg11813009	chr15	44732685		-0.37773	-2.21933	0.027781	0.912792
cg02589828	chr5	1.34E+08		0.359512	2.219641	0.02776	0.912792
cg19905504	chr2	2.42E+08		-0.25827	-2.21479	0.028098	0.913188
cg06057885	chr20	18774235		-0.25277	-2.22001	0.027735	0.912792
cg16908860	chr3	1.95E+08		0.321834	2.221882	0.027605	0.912792
cg25285053	chr6	1.68E+08	RNASET2;ENSG00000231720;ENSG00000197146;PRR18;ENSG00000228648	-0.37787	-2.21403	0.028151	0.913221
cg08992050	chr12	44152940		0.22351	2.228882	0.027126	0.911815
cg04209971	chr14	94546988		-0.17284	-2.21981	0.027748	0.912792
cg15492466	chr1	8484169		-0.13394	-2.21758	0.027903	0.912792
cg11781564	chr5	73016764		-0.33583	-2.21635	0.027989	0.912989
cg09708959	chr6	33161107		0.22209	2.221093	0.027659	0.912792

cg06522063	chr2	1.9E+08		0.230476	2.217503	0.027908	0.912792
cg23619399	chr13	79169753		0.361261	2.21561	0.02804	0.913135
cg17444298	chr5	211954		0.205539	2.217113	0.027935	0.912792
cg04226815	chr1	1.55E+08		0.14646	2.219841	0.027746	0.912792
cg22679412	chr15	64674723		0.345434	2.215106	0.028075	0.913153
cg00029282	chr2	95941820	PROM2	-0.48348	-2.21555	0.028045	0.913135
cg15468129	chr17	7690159		-0.38036	-2.2183	0.027853	0.912792
cg18372141	chr5	10104138		-0.37011	-2.21438	0.028126	0.913221
cg23874611	chr19	667454		-0.29804	-2.21719	0.02793	0.912792
cg11520985	chr6	7313314		-0.35847	-2.21528	0.028063	0.913153
cg07546878	chr2	61245462		-0.22219	-2.21502	0.028081	0.913153
cg01048962	chr19	21646470	ENSG00000268416;ZNF429	0.386917	2.214921	0.028088	0.913153
cg09753013	chr13	34185311		0.409736	2.214167	0.028141	0.913221
cg14589148	chr11	27743648		0.210713	2.220618	0.027692	0.912792
cg01278797	chr16	2339405		-0.20136	-2.21855	0.027835	0.912792
cg19394866	chr3	54121271		0.191769	2.22193	0.027602	0.912792
cg05130081	chr7	1.58E+08		-0.47397	-2.21422	0.028138	0.913221
cg00637802	chr12	1.14E+08		0.155137	2.214221	0.028137	0.913221
cg22138822	chr12	1.33E+08		-0.23511	-2.21584	0.028024	0.913111
cg09720853	chr17	10476818		-0.29754	-2.21759	0.027902	0.912792
cg06755365	chr1	95538786	ABCA4	-0.18858	-2.21975	0.027752	0.912792
cg25064551	chr4	41979629		-0.2701	-2.21494	0.028087	0.913153
cg09243021	chr7	1.43E+08	ZYX	0.262386	2.217659	0.027897	0.912792
cg06934023	chr16	587828		-0.23622	-2.21596	0.028016	0.912989

cg23372795	chr6	39284679		-0.26064	-2.21308	0.028218	0.913356
cg08102658	chr17	79283123		-0.16158	-2.21793	0.027879	0.912792
cg04080057	chr19	54495183	ZNF677	0.23822	2.217596	0.027902	0.912792
cg13598480	chr20	3145356		0.585571	2.222905	0.027535	0.912682
cg26688191	chr16	1374916		-0.2716	-2.21723	0.027927	0.912792
cg09784347	chr3	1.59E+08	ENSG00000272087	0.405682	2.216513	0.027977	0.912989
cg04168494	chr11	1.23E+08	ATP5F1P5	-0.36902	-2.21498	0.028084	0.913153
cg13861758	chr9	1.38E+08		-0.2742	-2.21637	0.027987	0.912989
cg07530925	chr10	90564681		-0.33174	-2.21941	0.027776	0.912792
cg18254183	chr2	18353182		-0.29916	-2.21802	0.027872	0.912792
cg23813313	chr6	26572433	ENSG00000261353	-0.30341	-2.21698	0.027945	0.912792
cg01430172	chr11	46958188		0.21995	2.219081	0.027799	0.912792
cg23281480	chr8	33579916		-0.34878	-2.22174	0.027615	0.912792
cg12815697	chr16	83841917		0.140391	2.217191	0.02793	0.912792
cg25570453	chr7	14834316		-0.32768	-2.21606	0.028009	0.912989
cg05860115	chr19	42928597	CEACAM5	0.236412	2.214978	0.028084	0.913153
cg07285708	chr3	10291324		0.285837	2.213434	0.028193	0.913238
cg24930851	chr5	1.41E+08		0.208931	2.216559	0.027974	0.912989
cg18458431	chr19	19739060		0.292221	2.21784	0.027885	0.912792
cg12051532	chr19	53935276		-0.16532	-2.22113	0.027657	0.912792
cg21187194	chr3	1.27E+08	ABTB1	-0.21777	-2.21722	0.027928	0.912792
cg26508200	chr12	1.09E+08	USP30	-0.30991	-2.22003	0.027733	0.912792
cg24065722	chr4	89619573		-0.25783	-2.21636	0.027988	0.912989
cg16495696	chr15	90792869		-0.26831	-2.22018	0.027723	0.912792
cg16761390	chr7	27290724		0.301941	2.217182	0.027931	0.912792

cg03371613	chr17	43043737		0.242928	2.213726	0.028172	0.913238
cg02994399	chr19	14517152	GIPC1	0.307206	2.211418	0.028334	0.913855
cg10883266	chr13	1.01E+08		-0.21624	-2.21281	0.028237	0.913463
cg20690856	chr7	73315490		-0.21157	-2.21294	0.028227	0.913356
cg16710517	chr21	46391275		-0.31616	-2.21347	0.02819	0.913238
cg06699365	chr11	59383578		-0.18764	-2.21478	0.028098	0.913188
cg15243034	chr11	77907656		0.275235	2.213893	0.02816	0.913221
cg14373660	chr15	96890051	NR2F2;ENSG00000259275;ENSG00000259542	0.592664	2.213028	0.028221	0.913356
cg01174085	chr16	75517052	CHST6;ENSG00000203472;RFWD3;FA2H;TMEM170A;MLKL;ENSG0000262583	-0.37326	-2.21457	0.028113	0.913188
cg03889251	chr3	1.39E+08		-0.33473	-2.2139	0.02816	0.913221
cg07477282	chr15	44956107	B2M;SQRDL;TRIM69;PDIA3	0.311386	2.218304	0.027853	0.912792
cg00325599	chr3	36986513		-0.13717	-2.21536	0.028058	0.913153
cg04962159	chr5	92916474		-0.37039	-2.21514	0.028073	0.913153
cg13648682	chr9	1.37E+08		-0.1328	-2.21297	0.028225	0.913356
cg05711251	chr7	2740362		-0.28122	-2.2165	0.027978	0.912989
cg17414580	chr3	1.6E+08		-0.12098	-2.21453	0.028116	0.913188
cg15709784	chr12	64845926		-0.13185	-2.21471	0.028103	0.913188
cg03209720	chr6	1.58E+08	ENSG00000219448	-0.16398	-2.22397	0.027462	0.912479
cg10603826	chr12	26986825		0.299757	2.217955	0.027877	0.912792

cg21449229	chr8	1.42E+08		0.206736	2.215312	0.028061	0.913153
cg21520042	chr1	1.97E+08		-0.22871	-2.21824	0.027857	0.912792
cg04092762	chr2	30454146		0.163469	2.216496	0.027978	0.912989
cg22502459	chr8	1.41E+08		0.220234	2.212927	0.028228	0.913356
cg11985321	chr7	1.58E+08		-0.31967	-2.21327	0.028204	0.913238
cg00627361	chr4	614552		-0.35685	-2.21708	0.027938	0.912792
cg07224215	chr2	1.7E+08	SSB	0.325389	2.21802	0.027872	0.912792
cg09878415	chr14	23067552		-0.19303	-2.21417	0.028141	0.913221
cg00594300	chr16	284396		0.178708	2.212437	0.028263	0.913463
cg11013164	chr5	43483764		0.128699	2.21791	0.02788	0.912792
cg03264156	chr4	1957837	SLBP	0.396667	2.212275	0.028274	0.913492
cg11939825	chr2	54087552		0.278077	2.214169	0.028141	0.913221
cg12601909	chr11	1324478	MRPL23;LRRC56;IGF2	0.373721	2.213411	0.028194	0.913238
cg24872117	chr19	42356072	GRIK5;AXL;CEACAM3;CYP2A13	-0.25501	-2.21575	0.028031	0.913135
cg07786258	chr4	1.58E+08		-0.31671	-2.2152	0.028069	0.913153
cg21856645	chr14	23517243	MRPL52	0.249817	2.215412	0.028054	0.913153
cg05160563	chr1	2.16E+08		-0.44169	-2.21322	0.028207	0.913238
cg14187025	chr13	28371663	RASL11A	0.332917	2.215432	0.028053	0.913153
cg00488260	chr11	1.07E+08		-0.18482	-2.2133	0.028202	0.913238
cg00859595	chr7	75931693		0.244796	2.215022	0.028081	0.913153
cg24533565	chr18	54318561		0.253956	2.213287	0.028203	0.913238
cg03213505	chr9	1.39E+08	PTGDS;ENSG00000264527	0.303509	2.213944	0.028157	0.913221
cg05142833	chr2	2.01E+08		-0.18447	-2.22059	0.027694	0.912792

cg10923346	chr10	6186794		-0.11892	-2.21751	0.027907	0.912792
cg03919836	chr16	58426331	ENSG00000260467;PRSS54;CCDC135;CIAPIN1	-0.1766	-2.21259	0.028252	0.913463
cg21580456	chr3	1.26E+08	ALG1L	-0.28967	-2.21107	0.028359	0.913858
cg21615615	chr18	32832669		-0.31921	-2.2113	0.028343	0.913855
cg00094817	chr10	35464482		-0.30511	-2.2193	0.027784	0.912792
cg05147692	chr1	1.6E+08		0.333936	2.217792	0.027888	0.912792
cg03525818	chr1	47796001		0.311482	2.212519	0.028257	0.913463
cg13898605	chr17	9675212		-0.28559	-2.2137	0.028174	0.913238
cg25999722	chr2	30144566		-0.16842	-2.21353	0.028186	0.913238
cg23959977	chr2	2.43E+08		0.402764	2.212226	0.028277	0.913492
cg14555045	chr12	1.28E+08		-0.28959	-2.21961	0.027762	0.912792
cg23054379	chr1	1.76E+08		-0.27716	-2.21141	0.028335	0.913855
cg25383568	chr19	39217721	MAP4K1	0.276774	2.223146	0.027518	0.912681
cg27056175	chr8	1.42E+08		-0.21791	-2.21627	0.027994	0.912989
cg05807291	chr13	95131809		-0.33437	-2.21722	0.027928	0.912792
cg17715262	chr6	86303669		-0.18009	-2.21365	0.028177	0.913238
cg20728105	chr7	12610689		-0.40723	-2.2136	0.028181	0.913238
cg22867066	chr7	1.29E+08	NRF1	-0.21992	-2.21239	0.028266	0.913463
cg23938419	chr10	64133686		0.331793	2.216978	0.027945	0.912792
cg17852249	chr4	1.2E+08		0.332809	2.211252	0.028346	0.913855
cg20687616	chr1	56883736		-0.38149	-2.21138	0.028337	0.913855
cg06281762	chr5	1.6E+08		-0.25769	-2.21693	0.027948	0.912792
cg01298912	chr12	1042034		-0.29547	-2.21157	0.028323	0.913855

cg18184153	chr6	33385417	RPS18	0.244724	2.217065	0.027939	0.912792
cg19489494	chr6	42146143		0.201988	2.215928	0.028018	0.912989
cg15847963	chr4	1.81E+08		0.384204	2.213313	0.028201	0.913238
cg23192824	chr6	1.43E+08		-0.43754	-2.21194	0.028298	0.913811
cg05453337	chr10	1.06E+08		0.301466	2.218129	0.027865	0.912792
cg07596568	chr1	20693828		0.236059	2.210126	0.028426	0.913973
cg13983442	chr1	1.76E+08		0.306932	2.217874	0.027882	0.912792
cg07823755	chr2	2.35E+08		0.232058	2.214102	0.028146	0.913221
cg23211835	chr10	72054822		-0.23665	-2.21176	0.02831	0.913855
cg26075966	chr7	44999021	MYO1G;YKT6;CCM2;IGFBP3	-0.29457	-2.21107	0.028359	0.913858
cg20172500	chr3	6902432		0.312392	2.214496	0.028118	0.913188
cg10285618	chr2	47604745		-0.26499	-2.21698	0.027945	0.912792
cg03340365	chr10	407847		0.209613	2.214015	0.028152	0.913221
cg00053755	chr5	1.4E+08	DNAJC18;PCDHB9	-0.27075	-2.21292	0.028229	0.913356
cg17625409	chr5	72143790		-0.25101	-2.21373	0.028172	0.913238
cg17739026	chr1	27114420		0.152557	2.211373	0.028338	0.913855
cg05373263	chr2	3063115		0.662429	2.210415	0.028405	0.913973
cg02415020	chr1	2.46E+08		0.286954	2.213379	0.028196	0.913238
cg00467529	chr11	1.18E+08	IL10RA;AMICA1;CD3G	-0.25966	-2.21814	0.027864	0.912792
cg09423097	chr8	1.22E+08		0.272822	2.213912	0.028159	0.913221
cg21294209	chr1	46713444		-0.13213	-2.21788	0.027882	0.912792
cg17196268	chr18	30354310		-0.44397	-2.20988	0.028443	0.913973
cg14244739	chr9	1.03E+08		-0.34919	-2.21401	0.028152	0.913221
cg16295133	chr10	1.25E+08		-0.26936	-2.21706	0.027939	0.912792

cg06684407	chr21	46356806		-0.3249	-2.21314	0.028213	0.913356
cg11941507	chr3	1.34E+08		-0.21937	-2.21469	0.028105	0.913188
cg00112367	chr5	1.78E+08		0.240057	2.211285	0.028344	0.913855
cg00696540	chr6	1.12E+08		-0.16978	-2.21041	0.028406	0.913973
cg19760243	chr1	1.54E+08		-0.24284	-2.21237	0.028267	0.913463
cg07911673	chr17	8198092	MPDU1	0.193991	2.216033	0.028011	0.912989
cg00319692	chr8	87111119		-0.22675	-2.2136	0.028181	0.913238
cg11831431	chr15	73639105		-0.30754	-2.21136	0.028338	0.913855
cg01070657	chr2	2.08E+08		-0.31477	-2.21005	0.028431	0.913973
cg27089768	chr14	96180598		0.347426	2.214689	0.028105	0.913188
cg06236061	chr12	1.1E+08		-0.29154	-2.2114	0.028335	0.913855
cg00246301	chr2	1.01E+08	ENSG00000272902	-0.28678	-2.2124	0.028265	0.913463
cg23987549	chr20	56285728		-0.22371	-2.21242	0.028264	0.913463
cg15070096	chr1	1.56E+08		0.132866	2.214603	0.028111	0.913188
cg09113440	chr10	18999313	ARL5B	0.400195	2.212689	0.028245	0.913463
cg25320749	chr6	28494732		-0.30665	-2.21603	0.028011	0.912989
cg06463913	chr11	207296	EFCAB4A	-0.16793	-2.21153	0.028327	0.913855
cg09491536	chr5	3787915		0.363122	2.212159	0.028282	0.913518
cg14417760	chr15	27111749		0.430298	2.211159	0.028353	0.913858
cg07356771	chr3	53879950		0.243589	2.211352	0.028339	0.913855
cg14023329	chr11	15099930		-0.32638	-2.21452	0.028117	0.913188
cg26664634	chr2	1.49E+08		0.245803	2.209278	0.028486	0.914305
cg08751845	chr4	83697085		-0.24958	-2.21142	0.028334	0.913855
cg04930211	chr22	49069896		-0.20964	-2.2101	0.028427	0.913973
cg02444226	chr2	66545288		-0.37535	-2.21272	0.028242	0.913463

cg10160068	chr5	76383150		0.13587	2.210245	0.028417	0.913973
cg26194775	chr6	24126114		0.326449	2.216519	0.027977	0.912989
cg03123170	chr10	1.34E+08		-0.22187	-2.2122	0.028279	0.913492
cg11101117	chr10	1.03E+08		0.331234	2.215654	0.028037	0.913135
cg21471778	chr4	1987188		0.194917	2.210366	0.028409	0.913973
cg12015615	chr7	55540725		-0.53609	-2.21465	0.028108	0.913188
cg14204211	chr10	81107088		-0.23058	-2.21114	0.028354	0.913858
cg23460843	chr2	1.28E+08		0.386473	2.211081	0.028358	0.913858
cg00341042	chr10	1.17E+08		0.285413	2.215935	0.028018	0.912989
cg03962359	chr6	1.54E+08		-0.28419	-2.21622	0.027998	0.912989
cg04736951	chr4	6725338		0.376173	2.212899	0.02823	0.913356
cg18588794	chr14	1.03E+08		-0.19871	-2.21604	0.02801	0.912989
cg11251728	chr11	78980839		-0.25798	-2.2148	0.028097	0.913188
cg24537237	chr11	1254204	TSPAN4;PKP3	-0.29616	-2.21234	0.02827	0.913463
cg00052046	chr20	3213682	IDH3B	0.296874	2.210243	0.028417	0.913973
cg24019394	chr10	31015881		0.189472	2.210659	0.028388	0.913973
ch.10.89617 3F	chr10	35428323		-0.20801	-2.21755	0.027905	0.912792
cg06668555	chr8	1.4E+08		0.266763	2.210437	0.028404	0.913973
cg26812728	chr11	67980797		-0.20343	-2.20999	0.028435	0.913973
cg19147534	chr10	91377755	LINC00865	0.33616	2.212051	0.02829	0.913644
cg25684640	chr7	1277154		0.241371	2.215593	0.028041	0.913135
cg01391022	chr12	1.22E+08	P2RX7	-0.32301	-2.21425	0.028135	0.913221
cg12528056	chr11	60619955	MS4A8;DAK;PPP1R32;LRRC10B	0.434648	2.214956	0.028086	0.913153
cg15644610	chr19	36395503		0.294523	2.213296	0.028202	0.913238

cg05666287	chr3	49757470	NAT6;ENSG00000230454;WDR6;SEMA3F;NICN1;LAMB2;AMT;BSN;SEMA3B	0.282559	2.20886	0.028515	0.914305
cg19539481	chr11	66475652		0.235804	2.212951	0.028227	0.913356
cg19616851	chr7	63363811		-0.3582	-2.20883	0.028517	0.914305
cg25831439	chr2	1.62E+08	TANK	-0.40385	-2.2108	0.028378	0.913973
cg17650028	chr5	1201713	PDCD6	-0.29057	-2.20857	0.028536	0.914305
cg04782470	chr19	18208422	IL12RB1;FCHO1;JAK3	0.317875	2.211376	0.028337	0.913855
cg11806203	chr1	93254890		-0.32208	-2.20988	0.028443	0.913973
cg01629940	chr16	67190539	PSMB10	0.29738	2.20931	0.028483	0.914305
cg15169121	chr2	1.78E+08		-0.34467	-2.21223	0.028277	0.913492
cg06049972	chr3	48646375		-0.18772	-2.21534	0.028059	0.913153
cg06058618	chr1	1.55E+08		0.173492	2.212633	0.028249	0.913463
cg10377629	chr17	1388950		-0.18247	-2.20734	0.028623	0.914821
cg11881313	chr7	1.04E+08		0.221761	2.208149	0.028566	0.914536
cg21582973	chr6	28478268		-0.27151	-2.20907	0.0285	0.914305
cg04461464	chr16	22448272		-0.12216	-2.21324	0.028206	0.913238
cg05312293	chr16	85845716		0.209858	2.212336	0.02827	0.913463
cg02522485	chr3	49531973		0.328124	2.209819	0.028447	0.913973
cg19003708	chr17	73780620		-0.21602	-2.20926	0.028487	0.914305
cg08093323	chr11	3243069	C11orf21;TSPAN32	-0.23889	-2.21099	0.028364	0.913961
cg15742412	chr1	1.81E+08		0.234855	2.211414	0.028335	0.913855

cg24581326	chr20	55204266		-0.14459	-2.21131	0.028342	0.913855
cg07184013	chr7	25989618		0.322587	2.210691	0.028386	0.913973
cg26644779	chr4	2280924		-0.23157	-2.20781	0.02859	0.914619
cg03257107	chr10	97514275		-0.30104	-2.2093	0.028484	0.914305
cg12436008	chr6	33237467		-0.18502	-2.21241	0.028265	0.913463
cg14638735	chr5	1.22E+08		-0.29334	-2.21414	0.028143	0.913221
cg20458812	chr1	41157966		-0.18858	-2.21432	0.02813	0.913221
cg26780481	chr2	2.37E+08		0.268952	2.209557	0.028466	0.914305
cg12953256	chr5	1.51E+08		-0.2193	-2.21826	0.027856	0.912792
cg00485748	chr20	44662007		0.305594	2.208682	0.028528	0.914305
cg16259931	chr3	1.09E+08	HHLA2;MYH15;HNRNPA1P17	-0.35304	-2.20824	0.028559	0.91445
cg03212129	chr19	34895470		-0.15451	-2.20977	0.028451	0.913984
cg13031432	chr16	58497767		0.121481	2.209104	0.028498	0.914305
cg17960556	chr7	1.57E+08	PTPRN2	-0.26272	-2.21277	0.028239	0.913463
cg25214789	chr5	7850070		-0.29315	-2.21204	0.02829	0.913644
cg19120073	chr13	1.14E+08		-0.24485	-2.20876	0.028522	0.914305
cg19163058	chr10	1595785	DIP2C	0.430423	2.210169	0.028423	0.913973
cg02760939	chr17	41985144		0.16967	2.208485	0.028542	0.914305
cg10261601	chr2	2.4E+08		0.235673	2.210145	0.028424	0.913973
cg14037354	chr14	1.02E+08		-0.24706	-2.20799	0.028577	0.914584
cg15489541	chr11	57508451		0.330798	2.206524	0.028681	0.914857
cg25416719	chr7	1.05E+08		0.250265	2.210722	0.028384	0.913973
cg06481660	chr6	6824580		-0.21234	-2.21387	0.028162	0.913221
cg27123106	chr10	855660		0.291808	2.211627	0.02832	0.913855

cg11066601	chr1	1.85E+08		-0.82254	-2.2086	0.028534	0.914305
cg13619074	chr9	857563	DMRT3	-0.34422	-2.20911	0.028498	0.914305
cg19865523	chr12	1.33E+08	EP400	0.26687	2.205596	0.028747	0.914857
cg19866866	chr1	1.82E+08		0.391204	2.208516	0.02854	0.914305
cg03417673	chr16	3969086	ZNF174	0.259447	2.210783	0.028379	0.913973
cg23149053	chr12	1.32E+08		-0.24612	-2.20958	0.028464	0.914305
cg13872950	chr17	46620460	HOXB4;HOXB3;HOXB-AS2;CALCOCO2	0.313974	2.213411	0.028194	0.913238
cg08616269	chr10	70480892		0.170014	2.208371	0.02855	0.914338
cg27430402	chr1	2.45E+08	ENSG00000235096	-0.25851	-2.21632	0.027991	0.912989
cg03325931	chr10	28968928	SVIL;ARMC4;MPP7	0.271816	2.21067	0.028387	0.913973
cg13476336	chr17	38255694		-0.18103	-2.21384	0.028164	0.913223
cg02649547	chr10	95848791		0.305053	2.209008	0.028505	0.914305
cg09123158	chr20	57426264		0.250289	2.210126	0.028426	0.913973
cg01296395	chr2	36696193	ENSG00000217075	0.345234	2.209155	0.028494	0.914305
cg09317774	chr4	1.54E+08	TRIM2	-0.40538	-2.20788	0.028585	0.914584
cg13264473	chr19	40324386	ZNF546	0.186957	2.206067	0.028714	0.914857
cg00518386	chr16	10276984		-0.21023	-2.21008	0.028429	0.913973
cg00363750	chr19	51017311		-0.24254	-2.20849	0.028541	0.914305
cg08860190	chr19	6719342	C3	0.375072	2.212653	0.028247	0.913463
cg00286512	chr7	754102		-0.16697	-2.21088	0.028372	0.913973
cg22815118	chr11	1529654		-0.17271	-2.20837	0.02855	0.914338
cg04551118	chr2	43122834		-0.2247	-2.20849	0.028541	0.914305
cg19971804	chr2	39102883		-0.26529	-2.20806	0.028572	0.914583

cg03969301	chr2	11056425		-0.21365	-2.20811	0.028568	0.914536
cg23944405	chr11	30602030		-0.2587	-2.20755	0.028609	0.914619
cg07538372	chr12	1.32E+08		-0.27548	-2.20767	0.0286	0.914619
cg24534926	chr17	36667484	RPL23	0.220056	2.211482	0.02833	0.913855
cg16731318	chr1	94313343	ENSG00000230439	0.308331	2.213925	0.028158	0.913221
cg04781532	chr7	1.52E+08	PRKAG2;SMARCD3;CDK5	0.293838	2.210104	0.028427	0.913973
cg10165209	chr17	46715533	ABI3;PHOSPHO1	0.334923	2.208611	0.028533	0.914305
cg24916116	chr12	76424973		-0.27235	-2.20663	0.028674	0.914857
cg19245120	chr2	2.22E+08	ENSG00000236451	-0.45649	-2.2101	0.028428	0.913973
cg26687830	chr6	32135326	TNXB;SLC44A4;C6orf10	0.314844	2.20916	0.028494	0.914305
cg17264513	chr7	8476450		0.355627	2.206261	0.0287	0.914857
cg06563504	chr16	70688144		0.29478	2.20775	0.028594	0.914619
cg17906267	chr1	95582329	ARHGAP29	0.212732	2.215203	0.028069	0.913153
cg24931168	chr1	2.05E+08		0.220457	2.208349	0.028551	0.914338
cg01994216	chr16	612306		-0.2507	-2.20567	0.028742	0.914857
cg27422407	chr3	1.81E+08		-0.3021	-2.21183	0.028305	0.913855
cg02475374	chr8	10988117		-0.2878	-2.20691	0.028654	0.914857
cg06848060	chr17	7907755		-0.239	-2.21158	0.028323	0.913855
cg01709568	chr9	72285588		-0.28391	-2.20915	0.028495	0.914305
cg18545695	chr8	69665987	C8orf34;ENSG00000248801	-0.45343	-2.20615	0.028708	0.914857
cg22643080	chr6	4136196		-0.21867	-2.20871	0.028526	0.914305
cg27302985	chr3	1.5E+08		0.188814	2.204601	0.028819	0.914857
cg22336993	chr6	31848507		0.321276	2.209304	0.028484	0.914305

cg18377446	chr1	1E+08		0.394199	2.204342	0.028837	0.914857
cg20838586	chr11	7110196		0.422538	2.206685	0.02867	0.914857
cg09467501	chr17	42083193		0.289932	2.204879	0.028799	0.914857
cg20155447	chr11	68199656	ENSG00000255306;CHKA;ENSG00000254610;AIP;RPS3AP40	0.287216	2.206215	0.028703	0.914857
cg08040035	chr1	46765664	TSPAN1;LURAP1;TAL1;AKR1A1;PRDX1	-0.2542	-2.20562	0.028746	0.914857
cg02578944	chr6	28227392	HIST1H3J;HIST1H1B;ZKSCAN8;HIST1H2AJ;HIST1H2AI;HIST1H3H;HIST1H2BO;HIST1H3I	0.410302	2.207279	0.028628	0.914855
cg26816688	chr7	1.56E+08		-0.25132	-2.20637	0.028692	0.914857
cg22388954	chr18	905177		0.430964	2.209913	0.028441	0.913973
cg08491376	chr5	404678		-0.21473	-2.20981	0.028448	0.913973
cg12640770	chr6	79577691		-0.24046	-2.21011	0.028427	0.913973
cg25215835	chr3	51931585		0.405939	2.20733	0.028624	0.914821
cg24297873	chr7	1993352		0.237251	2.206673	0.028671	0.914857
cg04155026	chr16	67841269		0.375103	2.210393	0.028407	0.913973
cg08755040	chr1	1.8E+08		0.189267	2.212594	0.028252	0.913463
cg26729372	chr10	1.32E+08		0.291648	2.205313	0.028768	0.914857
cg23371123	chr6	56954779		0.157847	2.213404	0.028195	0.913238
cg13468625	chr9	1.4E+08	EGFL7;SEC16A	0.211625	2.208647	0.02853	0.914305

cg06975834	chr16	67562999		-0.19191	-2.20487	0.028799	0.914857
cg24121172	chr20	60796414		0.278712	2.209214	0.02849	0.914305
cg27510832	chr1	76080684		0.293485	2.204493	0.028826	0.914857
cg21735115	chr12	9800259	KLRB1	-0.30608	-2.21076	0.028381	0.913973
cg10317867	chr8	27449498		-0.24701	-2.20918	0.028493	0.914305
cg04182114	chr15	63116019		-0.23055	-2.20842	0.028547	0.914338
cg07905568	chr16	30565391		0.277276	2.205278	0.02877	0.914857
cg05844473	chr22	30792924		-0.17096	-2.20695	0.028651	0.914857
cg24783164	chr18	653595		0.364653	2.210502	0.028399	0.913973
cg05393828	chr1	23034799		-0.33343	-2.20386	0.028872	0.914884
cg06930252	chr22	50903229		-0.21382	-2.21113	0.028355	0.913858
cg16755220	chr16	12070685		-0.17189	-2.20532	0.028767	0.914857
cg10821610	chr1	19052235		0.414042	2.205887	0.028727	0.914857
cg09015232	chr20	44657115		0.29838	2.20608	0.028713	0.914857
cg04595505	chr2	50572944		-0.37403	-2.20987	0.028444	0.913973
cg06659580	chr4	77227628		-0.1896	-2.20519	0.028776	0.914857
cg12045528	chr2	31455890		-0.3083	-2.2106	0.028392	0.913973
cg07625630	chr6	31382118	AIF1	0.175975	2.20996	0.028437	0.913973
cg26925226	chr15	74751138	SCAMP2	0.278609	2.20425	0.028844	0.914857
cg15748490	chr1	2.4E+08		0.336046	2.206575	0.028678	0.914857
cg18449136	chr8	19866173		-0.39593	-2.20575	0.028736	0.914857
cg13967936	chr1	35260066		-0.27784	-2.20789	0.028584	0.914584
cg10845171	chr14	1.06E+08		-0.28147	-2.20604	0.028716	0.914857
cg10758454	chr8	59755391		0.307897	2.206789	0.028662	0.914857
cg19488213	chr10	28033338		0.210163	2.205626	0.028745	0.914857

cg17523501	chr19	3627580		-0.25403	-2.20732	0.028624	0.914821
cg18489606	chr19	2927396		-0.22395	-2.20773	0.028595	0.914619
cg16870958	chr6	1.5E+08	PCMT1	0.226252	2.210869	0.028373	0.913973
cg05996984	chr4	39460240		0.224069	2.209881	0.028443	0.913973
cg26117025	chr1	33390700		0.299309	2.204997	0.02879	0.914857
cg09344631	chr6	33135763		0.269675	2.203874	0.028871	0.914884
cg11841127	chr1	2.05E+08	KLHDC8A;NFASC;ENSG00000229657	-0.17349	-2.20628	0.028699	0.914857
cg18435449	chr19	58095445	PEG3;ENSG00000268230;ENSG00000268948;ZNF835	0.378247	2.206111	0.028711	0.914857
cg13740834	chr7	93926617	COL1A2;GNG11;SGCE	0.388001	2.209323	0.028482	0.914305
cg05529343	chr3	22412124		-0.29916	-2.20705	0.028644	0.914857
cg05038243	chr1	1.12E+08		0.297202	2.205336	0.028766	0.914857
cg01718447	chr7	30722327		0.24405	2.207086	0.028641	0.914857
cg19232382	chr10	1.35E+08		0.611206	2.205259	0.028771	0.914857
cg02690256	chr2	10953520		0.229432	2.206429	0.028688	0.914857
cg20706583	chr20	3827235		-0.16013	-2.20635	0.028694	0.914857
cg20433952	chr17	55607898		0.206776	2.205584	0.028748	0.914857
cg26807912	chr15	1.02E+08		0.302224	2.208028	0.028574	0.914584
cg07150832	chr7	1.49E+08		-0.32629	-2.20427	0.028842	0.914857
cg06645946	chr5	1.57E+08		-0.14517	-2.20352	0.028896	0.914884
cg07828741	chr2	1.89E+08		0.351629	2.208561	0.028536	0.914305
cg14837896	chr5	79330096		0.328894	2.204585	0.02882	0.914857

cg26873457	chr10	729204	DIP2C	0.339468	2.204295	0.02884	0.914857
cg11945845	chr8	8998699		-0.31504	-2.20859	0.028535	0.914305
cg15664618	chr11	9483118		-0.26771	-2.21126	0.028345	0.913855
cg23029494	chr19	50167926	ZNF473;ENSG00000269091;ENSG00000204666	-0.18467	-2.20766	0.028601	0.914619
cg13493635	chr6	32847785		0.438037	2.204627	0.028817	0.914857
cg23194776	chr5	1.43E+08		0.417514	2.203525	0.028896	0.914884
cg06504624	chr7	1.57E+08		0.347746	2.206149	0.028708	0.914857
cg10916459	chr7	10819836		-0.31271	-2.2051	0.028783	0.914857
cg00179921	chr22	39927437		0.145635	2.206177	0.028706	0.914857
cg06034255	chr10	1.26E+08		-0.2832	-2.20595	0.028722	0.914857
cg13565152	chr9	35815219		-0.25109	-2.20341	0.028904	0.914884
cg11997734	chr21	46927484		-0.26055	-2.20533	0.028767	0.914857
cg00552696	chr10	29195190		0.293204	2.20559	0.028748	0.914857
cg04825491	chr16	51130058		0.365332	2.209341	0.028481	0.914305
cg18211633	chr12	1.22E+08	KNTC1;TMEM120B;MLXIP;RNF34;SETD1B;OASL	0.203416	2.209056	0.028501	0.914305
cg05958816	chr7	8153520		-0.27632	-2.20589	0.028726	0.914857
cg07097538	chr11	92539268		-0.2587	-2.20595	0.028723	0.914857
cg10892158	chr8	24857894		-0.15612	-2.20869	0.028527	0.914305
cg05781826	chr17	1165839		0.218823	2.207637	0.028602	0.914619
cg08871467	chr9	1.04E+08	ZNF189	-0.15564	-2.21053	0.028397	0.913973
cg14514991	chr1	1.59E+08		-0.36002	-2.20621	0.028703	0.914857

cg26450747	chr19	55628998		0.154591	2.208261	0.028558	0.91445
cg11903880	chr1	1.1E+08		0.22708	2.208131	0.028567	0.914536
cg25626992	chr17	45894369		0.229791	2.205269	0.028771	0.914857
cg02232208	chr3	1.47E+08		0.317549	2.201844	0.029016	0.915039
ch.15.979660F	chr15	65855109		-0.33827	-2.20468	0.028813	0.914857
cg13114497	chr22	18986775		0.372364	2.204605	0.028818	0.914857
cg18194153	chr5	1.76E+08		-0.19639	-2.20582	0.028732	0.914857
cg00249632	chr4	1872469		-0.13222	-2.20691	0.028654	0.914857
cg05350360	chr19	4475274		0.263805	2.205296	0.028769	0.914857
cg18621091	chr18	75612056		0.226423	2.202349	0.02898	0.914884
cg06986489	chr16	47011839		0.315086	2.20344	0.028902	0.914884
cg12429610	chr2	2.34E+08		0.50251	2.201209	0.029062	0.915039
cg08446989	chr11	66036511		-0.16928	-2.20252	0.028968	0.914884
cg00787055	chr7	63562162		0.286371	2.20278	0.028949	0.914884
cg00955307	chr1	1.67E+08		0.221941	2.204312	0.028839	0.914857
cg18369034	chr14	52733216		-0.30487	-2.2075	0.028612	0.914619
cg11441617	chr19	54646104		0.286728	2.204567	0.028821	0.914857
cg18164508	chr12	1.33E+08		-0.38014	-2.20381	0.028875	0.914884
cg01976913	chr6	29430900	TRIM27;SCAND3;HLA-F;HLA-A;HCG14	-0.40737	-2.20434	0.028837	0.914857
cg01696114	chr4	1616448		0.274321	2.203431	0.028902	0.914884
cg13420043	chr9	1.12E+08		-0.23837	-2.20071	0.029098	0.915039
cg25408700	chr21	43726165		-0.25154	-2.20592	0.028724	0.914857

cg03434432	chr6	32122393	HLA-DRB5;HLA-DRB1;HLA-DQB1;HLA-DQA1	0.261689	2.203366	0.028907	0.914884
cg08095700	chr3	1.85E+08		0.34136	2.205292	0.028769	0.914857
cg12843033	chr21	45706043		-0.2572	-2.20575	0.028737	0.914857
cg13596773	chr12	1.23E+08	CCDC92;DNAH10OS;ENSG00000269938	-0.2199	-2.20191	0.029011	0.915039
cg25190999	chr2	8826175		-0.20866	-2.20561	0.028747	0.914857
cg24530234	chr10	44224014		0.453204	2.209831	0.028446	0.913973
cg08611677	chr2	99797711		-0.23412	-2.20237	0.028979	0.914884
cg11505533	chr1	2.33E+08		0.19749	2.207522	0.02861	0.914619
cg23524048	chr2	1.45E+08		0.287433	2.205647	0.028744	0.914857
cg02331883	chr5	1.41E+08		0.376123	2.205232	0.028773	0.914857
cg07991288	chr20	22559339		0.325615	2.203453	0.028901	0.914884
cg22979783	chr2	72371261	DYSF;SPR	0.414623	2.20681	0.028661	0.914857
cg19541479	chr5	1.74E+08		-0.2718	-2.19924	0.029204	0.915039
cg04012857	chr6	30080405		-0.31373	-2.20188	0.029014	0.915039
cg09946832	chr8	1.44E+08		0.190052	2.205201	0.028776	0.914857
cg14999716	chr12	1.04E+08		-0.38074	-2.20298	0.028935	0.914884
cg02763290	chr18	77255811		-0.32011	-2.20305	0.028929	0.914884
cg18742203	chr19	17416661	RPL18A	-0.20662	-2.20336	0.028907	0.914884
cg14160804	chr18	12703040		0.275376	2.202484	0.02897	0.914884
cg25453797	chr2	46360214		-0.21841	-2.20606	0.028714	0.914857
ch.1.818274 35R	chr1	82054847		0.291569	2.203996	0.028862	0.914864

cg27607898	chr6	4136202	-0.18444	-2.20414	0.028852	0.914864
cg15818307	chr6	29521430	0.429164	2.202634	0.02896	0.914884
cg16744186	chr7	2138722	-0.1884	-2.20399	0.028862	0.914864
cg23410415	chr6	14287748	0.230844	2.200341	0.029125	0.915039
cg12343338	chr5	1807338	-0.38215	-2.20005	0.029146	0.915039
cg14543630	chr9	1.17E+08	0.191428	2.209104	0.028498	0.914305
cg13475104	chr3	1.19E+08	0.340037	2.203706	0.028883	0.914884
cg19124151	chr2	98615797	-0.23592	-2.20326	0.028915	0.914884
cg24495257	chr15	75074433	0.145671	2.205166	0.028778	0.914857
cg17347471	chr5	52405518	0.167425	2.202519	0.028968	0.914884
cg26096599	chr11	65641445	0.201898	2.202369	0.028979	0.914884
cg03736685	chr16	55546074	-0.35078	-2.2023	0.028984	0.914884
cg13170174	chr4	1.31E+08	-0.35296	-2.20491	0.028796	0.914857
cg25845331	chr1	15851274	0.271202	2.202671	0.028957	0.914884
cg15824100	chr1	77980005	0.325872	2.204035	0.028859	0.914864
cg10211530	chr7	5391111	0.212899	2.203632	0.028888	0.914884
cg12009606	chr19	6737691	-0.16359	-2.20471	0.028811	0.914857
cg20584474	chr6	1515696	-0.24002	-2.20145	0.029045	0.915039
cg24087796	chr17	46871873	-0.20617	-2.20489	0.028798	0.914857
cg20252399	chr22	45599149	-0.21641	-2.20252	0.028968	0.914884
cg25406755	chr22	26908877	0.352267	2.205248	0.028772	0.914857
cg19038027	chr10	1.34E+08	-0.2388	-2.20233	0.028981	0.914884
cg04142323	chr5	87981449	0.31269	2.20898	0.028507	0.914305
cg27074720	chr19	45843894	-0.14485	-2.20288	0.028942	0.914884
cg12976582	chr3	50359583	0.223706	2.204724	0.02881	0.914857

cg12268637	chr2	1.77E+08		0.21999	2.205171	0.028778	0.914857
cg01471654	chr17	26899223		0.256487	2.204055	0.028858	0.914864
cg11641222	chr8	1.22E+08		-0.32418	-2.20257	0.028964	0.914884
cg12650655	chr20	9495495		0.26649	2.201378	0.02905	0.915039
cg13016797	chr5	1.79E+08		-0.39117	-2.20341	0.028904	0.914884
cg00558645	chr1	2.19E+08		-0.39831	-2.20181	0.029019	0.915039
cg17926869	chr19	18046000	IL12RB1;FCHO1;JAK3;LRRC25	0.20183	2.20078	0.029093	0.915039
cg27048432	chr2	1.33E+08		0.580917	2.200462	0.029116	0.915039
cg00947586	chr1	26437320		-0.26777	-2.20581	0.028733	0.914857
cg04066396	chr2	1.59E+08		-0.14456	-2.20541	0.028761	0.914857
cg12939777	chr13	1.14E+08	F10;GAS6	-0.31291	-2.20315	0.028922	0.914884
cg16831185	chr17	29158530		0.391793	2.204097	0.028855	0.914864
cg13335271	chr8	33783578		0.397501	2.201883	0.029014	0.915039
cg23666180	chr6	27100115	HIST1H4K	-0.27299	-2.20333	0.028909	0.914884
cg20943338	chr1	78354406		0.359628	2.199277	0.029202	0.915039
cg04086977	chr10	1.35E+08		-0.22157	-2.20325	0.028915	0.914884
cg04835284	chr10	1.02E+08		0.254651	2.19951	0.029185	0.915039
cg26056277	chr2	1.67E+08	TTC21B;SCN3A;TTC21B-AS1;ENSG00000229195	-0.3446	-2.20267	0.028957	0.914884
cg24861006	chr2	1.7E+08	FASTKD1	-0.48023	-2.20309	0.028927	0.914884
cg09305096	chr2	1.89E+08		-0.2945	-2.20715	0.028637	0.914857
cg20704404	chr12	1.26E+08	LINC00939;DHX37	0.398922	2.201175	0.029065	0.915039
cg23668222	chr8	41542092		-0.31032	-2.20778	0.028592	0.914619

cg05927268	chr14	74769367		0.223299	2.202744	0.028952	0.914884
cg10519140	chr6	44187076	NFKBIE	0.306793	2.201175	0.029065	0.915039
cg07534843	chr20	43935283		0.514897	2.207882	0.028585	0.914584
cg10743685	chr11	57298307		-0.17824	-2.20039	0.029121	0.915039
cg16457876	chr16	11219446		-0.2462	-2.2052	0.028776	0.914857
cg13630114	chr9	1.02E+08		-0.38867	-2.2028	0.028948	0.914884
cg07520506	chr12	7593007	NOP2	0.365713	2.200657	0.029102	0.915039
cg26803993	chr2	1.69E+08		0.240451	2.202639	0.028959	0.914884
cg01139906	chr3	10290027		-0.26953	-2.20574	0.028737	0.914857
cg09410317	chr10	3168669		0.369614	2.198877	0.029231	0.915039
cg23890774	chr19	36618841		-0.16826	-2.20001	0.029148	0.915039
cg15627457	chr8	1.42E+08		0.277065	2.202607	0.028962	0.914884
cg25192916	chr18	51751750		-0.39447	-2.20273	0.028952	0.914884
cg21210090	chr4	15704429		0.294116	2.207603	0.028604	0.914619
cg07126399	chr14	1.02E+08		-0.25831	-2.20137	0.029051	0.915039
cg10196995	chr7	2027162		-0.30468	-2.20476	0.028807	0.914857
cg16767221	chr15	57769667	CGNL1;TCF12	-0.33107	-2.20301	0.028932	0.914884
cg03850878	chr4	77724563		0.242129	2.203078	0.028928	0.914884
cg19666555	chr4	76865528	CCDC158	0.354967	2.204589	0.028819	0.914857
cg14113931	chr18	12701670		0.304638	2.201429	0.029046	0.915039
cg12802310	chr2	38304720		-0.28622	-2.20479	0.028805	0.914857
cg01076861	chr6	1.69E+08		-0.37217	-2.20025	0.029131	0.915039
cg08943361	chr16	56462172	MT1E	-0.23316	-2.20503	0.028788	0.914857
cg07375964	chr7	16439254		-0.34527	-2.20663	0.028674	0.914857

cg21659346	chr11	72280409	PDE2A;ARHGEF17;FCHSD2	0.252753	2.199727	0.029169	0.915039
cg11141743	chr4	17188725	LDB2	0.372317	2.207068	0.028643	0.914857
cg13107144	chr15	63353166		0.258058	2.199634	0.029176	0.915039
cg26022932	chr10	58121462		0.250029	2.198086	0.029288	0.915039
cg07062437	chr13	48611647		0.264997	2.204045	0.028858	0.914864
cg13073699	chr17	77805596	CCDC40	-0.35655	-2.19939	0.029194	0.915039
cg14765959	chr6	1.06E+08		0.248925	2.204248	0.028844	0.914857
cg02267536	chr16	88039689		-0.30777	-2.20475	0.028808	0.914857
cg12658925	chr9	1.36E+08	VAV2	-0.26136	-2.20139	0.029049	0.915039
cg21139845	chr12	7053993		-0.22876	-2.19826	0.029275	0.915039
cg11705432	chr1	2.07E+08		-0.18581	-2.19934	0.029197	0.915039
cg04497390	chr17	78327823		-0.25098	-2.20276	0.02895	0.914884
cg03924551	chr15	25930203		-0.35513	-2.19765	0.029319	0.915039
cg11915205	chr2	86565178		0.245726	2.204438	0.02883	0.914857
cg09797433	chr4	87938832		0.321141	2.201702	0.029027	0.915039
cg02617791	chr10	27235627		0.227999	2.198612	0.02925	0.915039
cg15169265	chr21	44074649		-0.25299	-2.20094	0.029082	0.915039
cg24045212	chr7	2020131	PSMG3	-0.55474	-2.19853	0.029255	0.915039
cg01070219	chr6	1.11E+08		0.476149	2.20351	0.028897	0.914884
cg14203426	chr7	1.02E+08		-0.27803	-2.2013	0.029056	0.915039
cg02654411	chr16	1652552		0.326311	2.199531	0.029183	0.915039
cg10773023	chr1	31282126	TINAGL1	0.302642	2.207203	0.028633	0.914857
cg16420063	chr6	31129722	AIF1	0.264255	2.201401	0.029048	0.915039
cg15634980	chr6	36253026		0.292472	2.200122	0.029141	0.915039

cg24704603	chr6	27760633		0.314715	2.196606	0.029395	0.915039
cg00980776	chr2	1.13E+08		0.297216	2.198337	0.02927	0.915039
cg20592707	chr1	1.52E+08		0.273665	2.200952	0.029081	0.915039
cg01719825	chr17	61548898		-0.27674	-2.1999	0.029157	0.915039
cg09560043	chr20	19998446		-0.16201	-2.19938	0.029194	0.915039
cg15467615	chr21	47743775		-0.26804	-2.20107	0.029072	0.915039
cg06693575	chr16	87943373		0.170363	2.200094	0.029143	0.915039
cg01905210	chr3	1.38E+08	DBR1;ESYT3	0.231454	2.200786	0.029093	0.915039
cg07583851	chr13	42840965		0.389527	2.201798	0.02902	0.915039
cg12564913	chr3	52521930		0.289733	2.204398	0.028833	0.914857
cg22329488	chr8	67579616		0.238141	2.203629	0.028888	0.914884
cg24004780	chr3	1.14E+08		-0.29688	-2.20183	0.029018	0.915039
cg15809959	chr17	36720382	ARHGAP23;SRCIN1;HNF1B;PLXDC1	-0.38236	-2.20876	0.028523	0.914305
cg15106368	chr12	1.1E+08		-0.17442	-2.19889	0.02923	0.915039
cg11897120	chr6	1.17E+08	TPI1P3	-0.3563	-2.19823	0.029278	0.915039
cg18943946	chr17	3912065	ITGAE;P2RX5;ZZEF1	0.298278	2.206026	0.028717	0.914857
cg19259199	chr8	681730		-0.25405	-2.20543	0.028759	0.914857
cg15477144	chr22	45705034		0.428351	2.201315	0.029054	0.915039
cg19312314	chr21	44473962		0.33963	2.205173	0.028778	0.914857
cg27316567	chr3	1.5E+08		-0.36974	-2.19963	0.029176	0.915039
cg02454220	chr1	1.56E+08		-0.2318	-2.20001	0.029148	0.915039
cg11893763	chr10	1.25E+08		0.297524	2.197727	0.029314	0.915039
cg27619149	chr12	93963520		0.172981	2.199529	0.029183	0.915039

cg25403174	chr10	1.35E+08		-0.46266	-2.20195	0.029008	0.915039
cg15112442	chr5	99382144		0.27629	2.201964	0.029008	0.915039
cg14968768	chr12	1.31E+08		0.306586	2.198012	0.029293	0.915039
cg01710897	chr15	91497902		-0.25324	-2.1998	0.029164	0.915039
cg03962794	chr6	1.67E+08	RNASET2;ENSG00000228648	-0.41072	-2.20377	0.028878	0.914884
cg22314684	chr3	1.72E+08	TMEM212	0.276806	2.205126	0.028781	0.914857
cg18717146	chr19	1478715	MUM1;TMPRSS9	0.236749	2.198761	0.029239	0.915039
cg00243313	chr5	1883413		-0.29776	-2.19912	0.029213	0.915039
cg27304020	chr6	28956327	ZNF165;HCG14;GABBR1	0.391254	2.202181	0.028992	0.914958
cg12103197	chr14	1.03E+08		0.406457	2.202513	0.028968	0.914884
cg10775229	chr10	88023052		0.252158	2.200016	0.029148	0.915039
cg07019243	chr6	33167661		-0.21256	-2.20116	0.029065	0.915039
cg16879052	chr1	1.6E+08		0.197234	2.19851	0.029257	0.915039
cg06740986	chr1	1.85E+08		0.307062	2.204086	0.028855	0.914864
cg01356115	chr16	1614807		0.274625	2.200758	0.029095	0.915039
cg19006220	chr2	4050719		-0.37685	-2.19807	0.029289	0.915039
cg17855264	chr15	37180636		0.437504	2.202774	0.028949	0.914884
cg01230796	chr6	25652698		0.284295	2.203976	0.028863	0.914864
cg13312702	chr7	4721531		-0.34313	-2.20218	0.028993	0.914958
cg25928448	chr3	49894138		-0.146	-2.19654	0.0294	0.915039
cg10165331	chr14	61116900		-0.23188	-2.20011	0.029142	0.915039
cg13334819	chr7	99746414		-0.15423	-2.20465	0.028815	0.914857
cg25846061	chr2	2.36E+08		0.303993	2.198442	0.029262	0.915039

cg25969108	chr19	35605636		-0.28027	-2.19896	0.029224	0.915039
cg18670235	chr7	1.01E+08		-0.33349	-2.19724	0.029349	0.915039
cg15806038	chr2	3601756		-0.26884	-2.19987	0.029159	0.915039
cg13950558	chr19	45683263		0.245439	2.197257	0.029348	0.915039
cg03482221	chr2	1.06E+08		0.421205	2.20059	0.029107	0.915039
cg17382629	chr19	10169503		-0.33191	-2.19707	0.029362	0.915039
cg26970983	chr6	30115028		-0.2712	-2.20035	0.029124	0.915039
cg03312587	chr16	6844322		-0.48637	-2.19941	0.029192	0.915039
cg26831962	chr9	1.4E+08		-0.1935	-2.20178	0.029021	0.915039
cg15528081	chr14	74486154	PTGR2	-0.1775	-2.19712	0.029358	0.915039
cg14491667	chr9	1E+08	TRIM14;TBC1D2;TMOD1;FOXE1;ANKRD18CP	-0.26731	-2.19633	0.029416	0.915039
cg02336175	chr8	81786862		0.246127	2.197957	0.029297	0.915039
cg22079195	chr2	1.01E+08		0.369336	2.201593	0.029034	0.915039
cg01751047	chr16	89258141		-0.24096	-2.19964	0.029175	0.915039
cg13984623	chr9	1.29E+08		-0.16944	-2.19631	0.029417	0.915039
cg26817371	chr19	17462455	IL12RB1;JAK3;FCHO1;FAM129C;MAST3	-0.32427	-2.19709	0.02936	0.915039
cg16413777	chr17	48555933		-0.27318	-2.19917	0.029209	0.915039
cg21833841	chr3	36868879		0.226556	2.200997	0.029077	0.915039
cg08344360	chr9	34701049		0.179544	2.199744	0.029168	0.915039
cg08531623	chr16	969293	NME4	-0.26038	-2.19786	0.029305	0.915039
cg01557798	chr1	2.28E+08		0.267831	2.196136	0.02943	0.915039
cg19516457	chr12	72667707		0.296284	2.198623	0.029249	0.915039

cg00813752	chr14	93389146		0.384126	2.198377	0.029267	0.915039
cg09480899	chr17	26735428	SLC46A1;LYRM9;SUPT6H;MYO18A;TNFAIP1;IFT20;ENSG00000263368	0.437201	2.196933	0.029372	0.915039
cg03876174	chr6	33378508		-0.18844	-2.20129	0.029056	0.915039
cg25190094	chr1	9321735	RERE	-0.25459	-2.19776	0.029311	0.915039
cg25658010	chr10	1.12E+08	RBM20	-0.26165	-2.19958	0.02918	0.915039
cg14681176	chr17	79872369		-0.26718	-2.20012	0.029141	0.915039
cg15562220	chr6	25652395	HIST1H3C	0.317195	2.196761	0.029384	0.915039
cg10842141	chr10	23489232		0.335602	2.195644	0.029466	0.915119
cg15829642	chr5	1.41E+08		0.414616	2.199985	0.02915	0.915039
cg16099210	chr10	1.19E+08	CASC2;ENO4;ENSG00000225302	0.280488	2.198653	0.029247	0.915039
cg10613546	chr7	1.58E+08		-0.26261	-2.20232	0.028982	0.914884
cg18551822	chr6	2110875	FOXQ1	0.433335	2.199829	0.029162	0.915039
cg04747678	chr19	45805662	NOVA2	0.240183	2.20325	0.028915	0.914884
cg02122937	chr10	352668		0.232159	2.198233	0.029277	0.915039
cg16601415	chr19	10942243		-0.1626	-2.20286	0.028944	0.914884
cg11719635	chr14	24605257		-0.15501	-2.19866	0.029246	0.915039
cg01234563	chr18	75998230		-0.14482	-2.20097	0.029079	0.915039
cg09018399	chr8	70745926		-0.36058	-2.19731	0.029344	0.915039
cg00940560	chr8	30002079	RBPMS	0.305276	2.203189	0.02892	0.914884
cg06012483	chr16	86388853		-0.30294	-2.19565	0.029465	0.915119
cg01636925	chr11	47270344		-0.19021	-2.19838	0.029267	0.915039

cg16123202	chr7	1287145		0.33463	2.199784	0.029165	0.915039
cg27326062	chr3	1.09E+08		0.669491	2.207584	0.028606	0.914619
cg02670903	chr15	69325340	NOX5	0.409169	2.20189	0.029013	0.915039
cg09275427	chr22	30824776	DRG1	-0.20895	-2.19357	0.029617	0.915341
cg11788234	chr13	29393811		0.329627	2.198356	0.029268	0.915039
cg13496481	chr9	5837144		0.268787	2.195956	0.029443	0.915048
cg01907761	chr5	1.48E+08	SPINK5	0.3256	2.19755	0.029327	0.915039
cg09848096	chr10	1.19E+08		0.168621	2.202393	0.028977	0.914884
cg23761332	chr2	2.08E+08		0.206188	2.199296	0.0292	0.915039
cg02649063	chr16	55794731	CES1P1	0.737442	2.195424	0.029482	0.915119
cg06704469	chr6	89888334		-0.20218	-2.201	0.029077	0.915039
cg00097020	chr13	64386020		-0.4387	-2.19785	0.029305	0.915039
cg05469614	chr16	3142818	ENSG00000205890;CLUAP1	-0.21785	-2.20132	0.029054	0.915039
cg16574737	chr5	1.41E+08		0.473114	2.19507	0.029507	0.915194
cg23217097	chr14	42074635		0.271327	2.195978	0.029441	0.915048
cg17017404	chr11	44329245		-0.25657	-2.19883	0.029234	0.915039
cg05641529	chr4	1E+08	ADH6;ADH1B	0.414585	2.198201	0.02928	0.915039
cg00386035	chr6	1.66E+08		-0.30673	-2.19325	0.029641	0.915341
cg23994888	chr1	6052642		-0.22493	-2.19669	0.02939	0.915039
cg27431274	chr12	1.08E+08		-0.24789	-2.19531	0.02949	0.915119
cg01126095	chr5	1.54E+08		0.246259	2.197346	0.029342	0.915039
cg05029312	chr4	22476976	GPR125	-0.39379	-2.20064	0.029103	0.915039
cg17805291	chr10	1.03E+08		-0.24372	-2.19759	0.029324	0.915039
cg26992600	chr14	37054509		0.353828	2.19914	0.029212	0.915039

cg21099624	chr6	43737749		-0.15824	-2.2009	0.029084	0.915039
cg21117768	chr2	85829779		0.122658	2.197441	0.029335	0.915039
cg18490269	chr7	1849928		0.301107	2.200301	0.029128	0.915039
cg01255414	chr3	1.92E+08		0.312398	2.194767	0.02953	0.915339
cg05625284	chr3	32509105	CRTAP;FBXL2;ENSG00000261572	0.306649	2.19622	0.029424	0.915039
cg06126743	chr4	1.85E+08		-0.29252	-2.19828	0.029274	0.915039
cg09792000	chr12	47225979		0.333306	2.198159	0.029283	0.915039
cg11599414	chr15	65399621		-0.30303	-2.19935	0.029196	0.915039
cg02484673	chr16	87674713		-0.24637	-2.19648	0.029405	0.915039
cg05566965	chr22	18256588		-0.18403	-2.2006	0.029106	0.915039
cg11083157	chr1	89523325		0.410701	2.198702	0.029243	0.915039
cg18025240	chr6	31707490		-0.14429	-2.19743	0.029335	0.915039
cg17291625	chr16	236080		-0.14787	-2.20119	0.029064	0.915039
cg08004906	chr3	1.86E+08		0.1845	2.201263	0.029058	0.915039
cg24046125	chr2	74709203		0.189689	2.20046	0.029116	0.915039
cg01077713	chr11	18978157		-0.20728	-2.19695	0.02937	0.915039
cg06121772	chr4	1.89E+08		0.168265	2.201082	0.029071	0.915039
cg11051055	chr8	11058145		0.344919	2.197066	0.029362	0.915039
cg07459478	chr7	55589803	ZNF713	0.281663	2.195413	0.029482	0.915119
cg03091668	chr22	24903402	GGT5	-0.32135	-2.19747	0.029333	0.915039
cg04688351	chr2	2.23E+08	GAPDHP49;KCNE4	0.314336	2.195653	0.029465	0.915119
cg13341031	chr15	57207762		0.309857	2.198495	0.029258	0.915039
cg00566516	chr7	1.29E+08		0.282777	2.196496	0.029403	0.915039

cg06908806	chr20	42136129		0.232172	2.199179	0.029209	0.915039
cg15037110	chr20	44718688		-0.15084	-2.19959	0.029179	0.915039
cg21936550	chr7	72992722		-0.21115	-2.19674	0.029386	0.915039
cg06335143	chr1	53308654		0.278299	2.200022	0.029148	0.915039
cg21029769	chr11	1.3E+08		-0.19747	-2.19889	0.02923	0.915039
cg18500988	chr4	54959708		0.208755	2.19806	0.02929	0.915039
cg22846395	chr6	8060139		-0.26793	-2.20265	0.028958	0.914884
cg26675654	chr7	1269693	PDGFA	0.249405	2.198507	0.029257	0.915039
cg04772025	chr11	68637568	ENSG00000250508	0.608067	2.196045	0.029436	0.915048
cg01921818	chr13	1.14E+08		-0.21565	-2.1971	0.02936	0.915039
cg20322837	chr11	57005876	UBE2L6	-0.30587	-2.1931	0.029652	0.915341
cg18441295	chr11	16627632		-0.24057	-2.19789	0.029302	0.915039
cg11807040	chr13	51568067		0.333194	2.196395	0.029411	0.915039
cg02997983	chr19	21646781	ENSG00000268416	0.450273	2.196979	0.029368	0.915039
cg12189835	chr11	61335071		0.215855	2.196032	0.029437	0.915048
cg11548191	chr2	4931898		-0.26344	-2.19694	0.029371	0.915039
cg25777818	chr7	1.57E+08		-0.29147	-2.19373	0.029605	0.915341
cg03833982	chr12	685403		-0.20362	-2.19646	0.029406	0.915039
cg12987312	chr3	1.43E+08		0.355163	2.200607	0.029106	0.915039
cg20643159	chr12	66820796		-0.25375	-2.19705	0.029363	0.915039
cg08849509	chr11	9837208	ADM;C11orf16	-0.38187	-2.19647	0.029405	0.915039
cg21200841	chr4	1.03E+08		-0.21475	-2.1961	0.029432	0.915048
cg11797485	chr15	69107085		-0.26753	-2.19471	0.029534	0.915339
cg12287025	chr11	44087605		0.138688	2.197519	0.029329	0.915039
cg11580615	chr10	1.28E+08		0.315033	2.200366	0.029123	0.915039

cg16601515	chr22	39190328		0.117529	2.196659	0.029392	0.915039
cg06953773	chr5	1.5E+08	ZNF300P1	0.336482	2.201525	0.029039	0.915039
cg02018291	chr17	65487462		-0.32857	-2.19446	0.029552	0.915341
cg26910384	chr1	1103312		0.188309	2.194082	0.02958	0.915341
cg14058359	chr19	16610600		0.294946	2.194853	0.029523	0.915339
cg11100798	chr4	1.09E+08		-0.23633	-2.19691	0.029374	0.915039
cg17720233	chr1	1.51E+08	THEM4;POGZ	-0.1722	-2.19348	0.029623	0.915341
cg16330786	chr2	75326898		-0.22574	-2.19712	0.029358	0.915039
cg25195795	chr10	21807252		-0.31475	-2.1954	0.029483	0.915119
cg16080654	chr17	43176852	MAP3K14;FZD2	0.257634	2.195691	0.029462	0.915119
cg07804260	chr11	2397977		0.232476	2.192546	0.029692	0.915341
cg21747958	chr19	58740255		0.172735	2.194325	0.029562	0.915341
cg17402294	chr10	93058376		0.363015	2.19351	0.029622	0.915341
cg24703336	chr12	5257426	VWF;ANO2	-0.37533	-2.19615	0.029428	0.915039
cg24197477	chr1	2.03E+08		0.338727	2.195594	0.029469	0.915119
cg19673418	chr6	31600630	C4A	0.278969	2.196464	0.029406	0.915039
cg10851992	chr17	40169183		-0.20814	-2.19968	0.029173	0.915039
cg25119261	chr6	33081351		-0.24844	-2.19737	0.02934	0.915039
cg17286985	chr7	95945241		-0.31145	-2.19616	0.029428	0.915039
cg23559680	chr8	28747299		0.223989	2.195344	0.029487	0.915119
cg23576473	chr17	47785586		-0.24763	-2.198	0.029294	0.915039
cg09454230	chr6	1.66E+08		-0.31809	-2.19433	0.029562	0.915341
cg16599901	chr7	1E+08		-0.15663	-2.19829	0.029273	0.915039
cg27252696	chr6	1.01E+08		0.407181	2.193088	0.029652	0.915341
cg17504641	chr10	44458167		-0.32078	-2.19467	0.029536	0.915341

cg00562151	chr22	30792888		-0.22823	-2.19652	0.029401	0.915039
cg10700718	chr8	1992719	ARHGEF10	0.35779	2.195813	0.029453	0.915119
cg13375628	chr6	30431584	HLA-F;OR2I1P;HCP5;HLA-E	-0.23419	-2.19965	0.029175	0.915039
cg08827307	chr8	38965014		0.429138	2.193307	0.029636	0.915341
ch.7.3273938R	chr7	1.55E+08		0.361199	2.195387	0.029484	0.915119
cg18860280	chr10	81679850		-0.29666	-2.19645	0.029407	0.915039
cg09541373	chr19	55919383		-0.18594	-2.19211	0.029725	0.915438
cg11029716	chr14	51891409	NID2	-0.2984	-2.19582	0.029452	0.915119
cg16710099	chr1	3162173	SKI;CEP104;MORN1;ENSG00000269896	-0.28327	-2.19676	0.029384	0.915039
cg00720764	chr2	1.5E+08		0.171166	2.198619	0.029249	0.915039
cg07757497	chr1	2.36E+08		0.208416	2.192856	0.02967	0.915341
cg24925945	chr11	20055434		-0.25126	-2.19522	0.029496	0.915194
cg04145025	chr11	519271	ENSG00000254739	0.294701	2.194932	0.029518	0.915339
cg23347399	chr5	1.41E+08		0.378528	2.195148	0.029502	0.915194
cg11590420	chr5	1.5E+08	MYOZ3;ANXA6;PDGFRB	0.307689	2.194103	0.029578	0.915341
cg05722981	chr4	1.12E+08		0.268921	2.196347	0.029414	0.915039
cg00026457	chr1	2E+08		0.320233	2.198736	0.029241	0.915039
cg24524245	chr8	8537351	ENSG00000254153;MFHAS1;TNKS	0.208283	2.194313	0.029563	0.915341
cg06605933	chr1	1.5E+08		0.254439	2.197971	0.029296	0.915039
cg08194405	chr10	3139449		-0.23032	-2.19708	0.029361	0.915039
cg06287927	chr16	67694967		0.136765	2.196542	0.0294	0.915039

cg21656205	chr20	43439688	SYS1;SDC4;TOX2;DNTTIP1;PIGT	0.287514	2.194873	0.029522	0.915339
cg02201050	chr7	22759083		-0.29119	-2.19508	0.029506	0.915194
cg14361252	chr13	1.11E+08		0.66279	2.195553	0.029472	0.915119
cg26802495	chr5	14011620		-0.25756	-2.19421	0.029571	0.915341
cg06759309	chr6	1.4E+08	ABRACL	-0.2264	-2.19461	0.029541	0.915341
cg22220806	chr19	57337469		-0.26489	-2.19539	0.029484	0.915119
cg20714128	chr3	1.24E+08		-0.23193	-2.19548	0.029477	0.915119
cg12372477	chr20	57465915		-0.22628	-2.19393	0.029591	0.915341
cg05735590	chr6	36627451	PI16;C6orf89;CPNE5	-0.28786	-2.2003	0.029127	0.915039
cg08450280	chr7	1.5E+08	TMEM176B;TMEM176A	0.249517	2.1967	0.029389	0.915039
cg24515861	chr17	43922122	HIGD1B;NSF;LRRC37A4P;FMNL1;EFTUD2;ACBD4	-0.28274	-2.19291	0.029666	0.915341
cg12414653	chr12	8123380		0.198686	2.192732	0.029679	0.915341
cg21953905	chr22	49565499		-0.34297	-2.20226	0.028986	0.914897
cg10555307	chr5	11385520		0.34199	2.191742	0.029751	0.915611
cg02865675	chr6	1.68E+08		-0.20915	-2.19704	0.029364	0.915039
cg02232529	chr16	88551191	GALNS;SLC7A5;ENSG00000205037	0.242675	2.195092	0.029506	0.915194
cg15422685	chr3	62356774		0.224891	2.192315	0.029709	0.915341
cg01881062	chr1	6660403	HES2;CAMTA1;ICMT	-0.32649	-2.19623	0.029423	0.915039
cg24383467	chr11	11893602		0.315622	2.193308	0.029636	0.915341

cg03349953	chr5	1.41E+08		0.317671	2.195902	0.029447	0.915105
cg19488906	chr6	1.62E+08		-0.22347	-2.19348	0.029624	0.915341
cg00457115	chr14	1.02E+08		0.284684	2.192844	0.02967	0.915341
cg17633683	chr5	1225331		0.329723	2.191722	0.029753	0.915611
cg14726117	chr17	77761133	C1QTNF1;CYTH1;TIMP2;CBX2	-0.26421	-2.19258	0.02969	0.915341
cg19296258	chr17	78878799		-0.25655	-2.19229	0.029711	0.915341
cg23658709	chr6	38120185		-0.20446	-2.19773	0.029314	0.915039
cg07557707	chr19	58549711	ZNF324B	-0.55221	-2.19214	0.029722	0.915438
cg23045373	chr8	11324048		-0.21291	-2.19379	0.029601	0.915341
cg01641930	chr12	1.22E+08		0.229066	2.191484	0.02977	0.915837
cg16318253	chr18	75377474		-0.3271	-2.19981	0.029163	0.915039
cg24504854	chr7	195679		-0.21396	-2.20429	0.028841	0.914857
cg12995330	chr4	3413039		-0.45698	-2.19114	0.029796	0.916033
cg24161652	chr6	50813859		0.296774	2.192341	0.029707	0.915341
cg06636195	chr2	1.1E+08		-0.31455	-2.19345	0.029626	0.915341
cg07244716	chr16	85122186		0.18322	2.192678	0.029683	0.915341
cg24785067	chr18	19929052	MIR133A1	-0.26513	-2.19479	0.029528	0.915339
cg13139998	chr3	51740201		-0.14878	-2.19475	0.029531	0.915339
cg01677142	chr15	28260052		-0.35976	-2.19531	0.02949	0.915119
cg10822034	chr11	10529596		0.272919	2.193395	0.02963	0.915341
cg11559952	chr10	1.12E+08	RBM20	-0.16804	-2.19382	0.029599	0.915341
cg11703683	chr5	643469		-0.2882	-2.19423	0.029569	0.915341
cg00207939	chr2	1.51E+08		0.295537	2.193335	0.029634	0.915341
cg25137787	chr1	2863815		-0.34314	-2.19799	0.029295	0.915039

cg07301795	chr5	1.57E+08		0.261144	2.193126	0.02965	0.915341
cg07139162	chr16	70465351		-0.31714	-2.19273	0.029679	0.915341
cg20307292	chr2	98858595	ENSG00000231822	-0.34438	-2.19517	0.0295	0.915194
cg02202483	chr14	67804956		-0.32833	-2.19651	0.029402	0.915039
cg21774736	chr1	42846470	CCDC30	-0.16429	-2.19245	0.029699	0.915341
cg13478928	chr1	75596724		0.224963	2.197747	0.029313	0.915039
cg03771939	chr10	96161916		0.326666	2.195125	0.029503	0.915194
cg24931713	chr8	1076811		-0.25775	-2.19229	0.029711	0.915341
cg15559940	chr13	1.01E+08		0.275424	2.193259	0.02964	0.915341
cg26033775	chr22	30752543		-0.16815	-2.19156	0.029765	0.915734
cg22168321	chr6	17987573		0.218808	2.194339	0.029561	0.915341
cg24706188	chr8	55088456		-0.22171	-2.19533	0.029489	0.915119
cg09518219	chr7	5429428		-0.22504	-2.19128	0.029785	0.915907
cg25621184	chr12	1.21E+08		-0.2169	-2.19683	0.029379	0.915039
cg13063207	chr8	1442292		-0.26327	-2.19076	0.029824	0.916363
cg09661809	chr11	74953082		0.174327	2.195959	0.029443	0.915048
cg08680146	chr11	45307938		0.215213	2.193655	0.029611	0.915341
cg13275515	chr12	95702491		0.39678	2.192039	0.029729	0.915438
cg19673480	chr8	58120465		0.234596	2.197916	0.0293	0.915039
cg08583049	chr15	60296815		0.257707	2.193955	0.029589	0.915341
cg17304084	chr8	22133356		0.298136	2.190383	0.029851	0.916519
cg20704555	chr7	28127748		-0.30714	-2.19418	0.029573	0.915341
cg11096905	chr17	63535567	AXIN2	0.240571	2.197041	0.029364	0.915039
cg21358343	chr6	33263960		-0.20691	-2.19374	0.029605	0.915341
cg21551253	chr12	1.31E+08	GPR133	0.295041	2.196144	0.029429	0.915039

cg25306584	chr1	1.57E+08		0.389716	2.191194	0.029792	0.916032
cg01293143	chr20	62688326		-0.15896	-2.19265	0.029685	0.915341
ch.18.486455F	chr18	23949690	ENSG00000266549	0.441211	2.190315	0.029856	0.916519
cg03143333	chr18	47793599		0.303243	2.192943	0.029663	0.915341
cg11522493	chr1	14149815		-0.36351	-2.18998	0.029881	0.916687
cg26308133	chr19	8809360		0.295061	2.192687	0.029682	0.915341
cg02211735	chr11	5142602		-0.3711	-2.19105	0.029802	0.91609
cg27579854	chr17	80818992		0.345469	2.19297	0.029661	0.915341
cg04958658	chr20	35421865	SOGA1	-0.27736	-2.1928	0.029673	0.915341
cg12765518	chr12	21810762		0.142431	2.191863	0.029742	0.915506
cg06797734	chr11	1.23E+08		-0.4405	-2.20283	0.028946	0.914884
cg20460388	chr12	44182236		-0.19006	-2.18988	0.029888	0.916687
cg18745566	chr19	1725696		-0.24089	-2.19395	0.029589	0.915341
cg12899842	chr2	32390937		0.253117	2.191936	0.029737	0.915463
ch.1.1391820F	chr1	45213534		-0.29937	-2.19809	0.029288	0.915039
cg13235761	chr1	2.04E+08		0.214093	2.19324	0.029641	0.915341
cg17932726	chr1	33647449		-0.1635	-2.19454	0.029546	0.915341
cg13751188	chr11	1.21E+08		0.334584	2.196895	0.029374	0.915039
cg08597345	chr19	18124823	ENSG00000269640;JAK3	0.237291	2.192546	0.029692	0.915341
cg05306040	chr4	78979207		-0.16417	-2.19231	0.029709	0.915341
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cg20302133	chr1	1.11E+08		0.233974	2.192835	0.029671	0.915341
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cg14019757	chr17	67231728		0.320073	2.197877	0.029303	0.915039
cg03503871	chr16	30616011		0.337365	2.19018	0.029866	0.916687
cg06204735	chr14	74892986		0.243885	2.192645	0.029685	0.915341
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cg05793020	chr20	43374889	WFDC6;EPPIN	-0.20999	-2.19116	0.029794	0.916033
cg01077085	chr5	1.26E+08		0.118561	2.188119	0.030019	0.916876
cg27564137	chr10	43883011		0.229552	2.19232	0.029709	0.915341
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cg17976588	chr5	537510		0.261944	2.188615	0.029982	0.916876
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cg14937543	chr3	20081518		-0.18163	-2.19736	0.02934	0.915039
cg14612133	chr5	14406585		0.246763	2.191437	0.029774	0.91585
cg14025831	chr20	3873404		-0.28774	-2.19389	0.029594	0.915341
cg21699044	chr8	65281689		0.22035	2.189171	0.029941	0.916864
cg12624523	chr6	24489770	GPLD1;ALDH5A1	0.393386	2.194358	0.029559	0.915341
cg05669832	chr2	37545562		0.296299	2.191715	0.029753	0.915611
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cg06462543	chr2	8842442	CPSF3	0.273518	2.188749	0.029972	0.916876
cg14055193	chr9	1.4E+08		-0.21879	-2.18899	0.029954	0.916876
cg03785065	chr3	1.81E+08		0.134984	2.18921	0.029938	0.916864
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cg07349217	chr8	1.34E+08		-0.27494	-2.19105	0.029802	0.91609
cg24624173	chr11	64329701		-0.20875	-2.1957	0.029461	0.915119
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cg27583088	chr1	1.83E+08	ARPC5	-0.22183	-2.19069	0.029829	0.916363
cg19549469	chr12	45668950		0.230671	2.189728	0.0299	0.916687
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cg22627570	chr13	23501397		0.348397	2.191317	0.029783	0.915885
cg13323553	chr7	63018494		-0.24889	-2.18676	0.030119	0.916987
cg07918458	chr16	68562839		-0.18206	-2.19262	0.029686	0.915341
cg00998372	chr2	1.05E+08		0.255573	2.188449	0.029994	0.916876
cg19557407	chr11	1.3E+08		0.22983	2.190346	0.029854	0.916519
cg17156743	chr6	28603171		0.255193	2.19233	0.029708	0.915341
cg18356683	chr7	1.39E+08		-0.22918	-2.19008	0.029874	0.916687
cg24617568	chr7	89748647		0.281469	2.189278	0.029933	0.916864
cg01356950	chr2	1.76E+08		0.233919	2.188197	0.030013	0.916876
cg11846968	chr20	31823545	BPIFA1;KIF3B;BPIFB9P;CBFA2T2;COMMD7;BPIFB1	0.385581	2.189099	0.029946	0.916876
cg26761110	chr12	1.12E+08		0.278973	2.192326	0.029708	0.915341
cg05083496	chr7	45961849		-0.43327	-2.18712	0.030093	0.916987
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cg06368760	chr2	2.37E+08		0.278568	2.187553	0.030061	0.916987
cg14780255	chr1	2.02E+08	PTPN7	-0.28465	-2.19204	0.029729	0.915438
cg12809842	chr3	1.96E+08		-0.26382	-2.18967	0.029904	0.916687
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cg14294708	chr9	37120828		-0.50048	-2.20795	0.02858	0.914584
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cg17697105	chr20	5170968		-0.19914	-2.1927	0.029681	0.915341

cg06432119	chr11	281516		0.416577	2.187519	0.030063	0.916987
cg01921845	chr14	1.05E+08		0.733438	2.194714	0.029533	0.915339
cg22812874	chr7	1.51E+08		-0.21519	-2.18893	0.029959	0.916876
cg25952543	chr19	44598268		0.215598	2.19281	0.029673	0.915341
cg08782897	chr15	41624872		-0.12622	-2.19454	0.029547	0.915341
cg01882395	chr17	43717810	KANSL1;CRHR1-IT1	-0.33779	-2.18949	0.029918	0.916707
cg01735049	chr16	9187613		0.31795	2.18868	0.029977	0.916876
cg12489846	chr6	1.5E+08		-0.16052	-2.19743	0.029335	0.915039
cg14254419	chr1	1.1E+08	PSMA5;KCNC4;LAMTOR5	0.289123	2.191339	0.029781	0.915885
cg15130788	chr1	93913424		0.282451	2.18836	0.030001	0.916876
cg14206516	chr1	1.75E+08	RABGAP1L;TNN	0.277602	2.190122	0.029871	0.916687
cg18118164	chr5	1.07E+08		-0.32049	-2.18969	0.029902	0.916687
cg08839374	chr17	40667014	CNTNAP1;STAT5B	0.290343	2.189195	0.029939	0.916864
cg06342317	chr2	1.21E+08		0.208967	2.194129	0.029576	0.915341
cg27010576	chr16	21964792	CDR2	-0.1903	-2.19061	0.029835	0.916363
cg07297242	chr2	1.67E+08		0.36768	2.190051	0.029876	0.916687
cg02451443	chr17	75052257		0.295454	2.185358	0.030224	0.917256
cg21817668	chr1	1.98E+08		-0.29515	-2.18634	0.030151	0.916987
cg21857363	chr20	10199473		-0.23105	-2.18893	0.029959	0.916876
cg09599653	chr13	50202013		0.22449	2.187713	0.030049	0.916987
ch.10.1748644R	chr10	82630622		0.25697	2.18755	0.030061	0.916987
cg24008901	chr12	13715497		-0.22345	-2.18768	0.030051	0.916987
cg20684514	chr6	1.7E+08		-0.28015	-2.19327	0.029639	0.915341
cg04592201	chr17	75557105		0.202779	2.189326	0.029929	0.916864

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cg12991050	chr5	87979504		0.330826	2.18977	0.029897	0.916687
cg26454191	chr2	1.91E+08		-0.19641	-2.19066	0.029831	0.916363
cg18903134	chr18	21021128		-0.22941	-2.19191	0.029739	0.915463
cg05299077	chr2	2.34E+08	INPP5D	0.325097	2.189688	0.029903	0.916687
cg12231373	chr6	36628103		0.376479	2.188166	0.030015	0.916876
cg03853328	chr1	3550260		-0.26779	-2.18822	0.030011	0.916876
cg17677030	chr2	50575069		0.363503	2.188323	0.030004	0.916876
cg01732984	chr13	48575859		0.260867	2.18981	0.029894	0.916687
cg01517148	chr12	72683827		-0.30058	-2.18734	0.030077	0.916987
cg00553107	chr9	1.32E+08		0.191976	2.188093	0.030021	0.916876
cg21244135	chr8	1914262	CSMD1	-0.32316	-2.18691	0.030109	0.916987
cg20783956	chr4	1.89E+08		-0.37441	-2.1856	0.030206	0.917256
cg14991984	chr1	99470129		0.335272	2.185299	0.030228	0.917256
cg01713272	chr18	12911711		0.22751	2.193789	0.029601	0.915341
cg17326597	chr14	59810637		0.282085	2.188988	0.029955	0.916876
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cg06087537	chr9	36401074		-0.17724	-2.18981	0.029894	0.916687
cg26138500	chr7	1.58E+08		-0.62732	-2.18725	0.030083	0.916987
cg19328640	chr20	2454070		0.322049	2.190743	0.029825	0.916363
cg09517628	chr13	79980691		-0.18354	-2.18933	0.029929	0.916864
cg23397023	chr7	1.49E+08	ZNF783;RARRES2	0.25369	2.186462	0.030142	0.916987
cg06911084	chr7	96652894		0.259341	2.18688	0.030111	0.916987
cg24209528	chr2	45239493	SIX2	0.387857	2.186666	0.030127	0.916987
cg23365666	chr5	1.5E+08		0.20943	2.19031	0.029857	0.916519

cg26171489	chr15	92459303		0.38388	2.191391	0.029777	0.91585
cg21715599	chr15	92463554		0.268254	2.190926	0.029811	0.916245
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cg10676084	chr15	27017560		0.448492	2.190484	0.029844	0.916519
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cg16695835	chr1	90460886		0.136327	2.188758	0.029972	0.916876
cg09860921	chr1	45116241	PTCH2	0.203128	2.196969	0.029369	0.915039
cg10189774	chr4	17578691	LAP3	-0.20897	-2.1862	0.030162	0.916987
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cg20215112	chr17	43065055		0.248059	2.191409	0.029776	0.91585
cg04869949	chr2	1.98E+08		-0.24825	-2.19621	0.029424	0.915039
cg06255006	chr16	86653215	IRF8;ZCCHC14	-0.52316	-2.19568	0.029463	0.915119
cg19525495	chr11	1521093		-0.37674	-2.18852	0.029989	0.916876
ch.10.181390F	chr10	5940801		0.235542	2.189655	0.029905	0.916687
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cg15889061	chr14	35184805		-0.27655	-2.1886	0.029983	0.916876
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cg17150772	chr7	1.3E+08		-0.2249	-2.18908	0.029947	0.916876
cg10389771	chr1	1.57E+08		0.291186	2.19413	0.029576	0.915341
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cg19996221	chr15	73893431		-0.34777	-2.18658	0.030133	0.916987

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cg10090241	chr1	15932434	P1	0.379357	2.189798	0.029895	0.916687
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cg25079102	chr12	1.15E+08		0.301774	2.192002	0.029732	0.915455
cg11012557	chr14	70512583		-0.36838	-2.18585	0.030188	0.917188
cg26945715	chr10	96162066		0.281568	2.186307	0.030153	0.916987
cg20478261	chr17	79017421	BAIAP2	-0.29755	-2.19069	0.029829	0.916363
cg01578987	chr12	82152469		-0.35468	-2.18979	0.029895	0.916687
cg22272100	chr8	22069313		-0.22414	-2.18541	0.03022	0.917256
cg02708121	chr4	16670376		0.235852	2.188889	0.029962	0.916876
cg26069374	chr5	1.77E+08	COL23A1	0.289166	2.188898	0.029961	0.916876
cg11961275	chr2	1.31E+08		0.174521	2.187	0.030102	0.916987
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cg07369363	chr12	32112103		-0.21081	-2.18691	0.030109	0.916987
cg04291842	chr10	1.32E+08	EBF3	0.218995	2.188936	0.029958	0.916876
cg21032058	chr14	77647957		0.271688	2.193382	0.029631	0.915341
cg11984463	chr19	40725596		-0.22842	-2.18947	0.029919	0.916707

cg08205263	chr5	1.12E+08		-0.23501	-2.18712	0.030093	0.916987
cg17728987	chr19	36485959		-0.12173	-2.18694	0.030106	0.916987
cg16986298	chr1	27324471	CD164L2;CEP85	-0.18178	-2.18413	0.030316	0.918271
cg04920773	chr17	59477846		-0.20914	-2.1862	0.030161	0.916987
cg12518898	chr10	23384664		-0.33392	-2.19061	0.029835	0.916363
cg27399031	chr4	37224078		-0.29744	-2.18625	0.030158	0.916987
cg10221391	chr6	29945726	OR2I1P	0.368774	2.184832	0.030263	0.917467
cg27342801	chr2	79387273		-0.26921	-2.18524	0.030233	0.917268
cg13443797	chr7	50133024		0.381895	2.184914	0.030257	0.917413
cg12580445	chr5	1.21E+08		0.439205	2.187639	0.030054	0.916987
cg16579158	chr5	1.41E+08		0.413444	2.192308	0.02971	0.915341
cg07350210	chr11	77180550		-0.30148	-2.18838	0.03	0.916876
cg03484160	chr17	34097398		0.253416	2.187514	0.030064	0.916987
cg02981992	chr6	70576168	ENSG00000262803	0.410201	2.18594	0.030181	0.917043
cg00298796	chr8	1.08E+08		-0.17703	-2.18947	0.029919	0.916707
cg26657675	chr16	85575407	FOXF1;FENDRR;ENSG00000262601;TLDC1	-0.23545	-2.18607	0.030171	0.917043
cg19243842	chr1	3058521	MEGF6	-0.24474	-2.18632	0.030153	0.916987
cg04878152	chr3	1.48E+08		0.285839	2.189619	0.029908	0.916702
cg18395988	chr10	1.21E+08		-0.15575	-2.19386	0.029596	0.915341
cg08870433	chr19	2900646		-0.21947	-2.18519	0.030237	0.917268
cg08892899	chr10	85955302		0.284426	2.186379	0.030148	0.916987
cg09220816	chr16	30546310		0.177945	2.187344	0.030076	0.916987
cg24908197	chr19	5714980		-0.31842	-2.18402	0.030324	0.918271

cg07066860	chr12	11932089	PRH2	0.543428	2.191934	0.029737	0.915463
cg01728507	chr4	3563357	STX18;ENSG00000243894;ADD1	-0.22074	-2.18673	0.030122	0.916987
cg09619309	chr8	81084440		0.310813	2.192251	0.029714	0.915354
cg26283550	chr11	62623419		0.14181	2.185049	0.030247	0.917268
cg07464248	chr13	1.14E+08		0.328674	2.187368	0.030075	0.916987
cg17619823	chr8	37823475		0.320346	2.192046	0.029729	0.915438
cg11417653	chr22	24181212		0.147209	2.188394	0.029999	0.916876
cg11976193	chr13	1.14E+08		-0.19023	-2.18644	0.030143	0.916987
cg26849830	chr12	1.09E+08		0.252536	2.188481	0.029992	0.916876
cg05668894	chr19	12176107		0.29364	2.18683	0.030114	0.916987
cg00729656	chr7	98552702	RPS3AP26	-0.28467	-2.18756	0.03006	0.916987
cg24476842	chr12	72179582		-0.35434	-2.1905	0.029843	0.916519
cg14040532	chr9	1.37E+08		-0.26812	-2.19168	0.029756	0.915611
cg23880668	chr2	1.77E+08		0.330399	2.192897	0.029667	0.915341
cg01053213	chr1	6694826	HES2;CAMTA1;THAP3;CHD5	-0.29006	-2.18805	0.030024	0.916887
cg04808632	chr13	1.14E+08		-0.32457	-2.1897	0.029902	0.916687
cg21632079	chr15	62938344	CA12;HERC1;ENSG00000261296;ENSG00000166104;TPM1	-0.3528	-2.18532	0.030227	0.917256
cg14911189	chr18	73140200		-0.23852	-2.18603	0.030174	0.917043
cg02379724	chr16	1368007		0.254133	2.186863	0.030112	0.916987
cg15523463	chr5	1.51E+08		-0.32231	-2.18255	0.030434	0.918345

cg08542715	chr17	34217960	ENSG00000267074;MMP28;TAF15;CCL4;CCL5;MYO19	0.296514	2.186636	0.030129	0.916987
cg27030482	chr8	11539320		-0.21954	-2.18394	0.03033	0.918271
cg21745444	chr3	20227670		-0.17586	-2.1888	0.029968	0.916876
cg08774545	chr13	1.13E+08	F10	-0.30396	-2.18595	0.03018	0.917043
cg23651707	chr10	1.34E+08		-0.22936	-2.18667	0.030126	0.916987
cg03400808	chr1	1.01E+08		0.275165	2.186242	0.030158	0.916987
cg02997755	chr20	24449734		0.28039	2.185433	0.030218	0.917256
cg14398659	chr11	77705832		-0.15404	-2.18328	0.03038	0.918345
cg24438644	chr8	37823996		0.354038	2.183984	0.030327	0.918271
cg12351068	chr10	80126725		-0.25212	-2.18198	0.030477	0.918345
cg08608193	chr7	37960902		0.194498	2.182664	0.030426	0.918345
cg09579468	chr1	27659039		0.168552	2.193177	0.029646	0.915341
cg26272623	chr1	1.2E+08		0.239073	2.185323	0.030227	0.917256
cg03857502	chr15	90893396		0.253043	2.185375	0.030223	0.917256
cg22264317	chr22	47059014		0.251423	2.18217	0.030463	0.918345
cg27094856	chr19	41732589		0.375536	2.185113	0.030242	0.917268
cg05348188	chr21	45877268		-0.21373	-2.19157	0.029764	0.915734
cg14705643	chr3	1.84E+08		-0.25103	-2.1881	0.03002	0.916876
cg07217563	chr10	1149628		0.26402	2.188686	0.029977	0.916876
cg04364463	chr1	37498270		0.167523	2.181468	0.030515	0.918345
cg23380558	chr10	1.35E+08	FUOM;TTC40	0.309255	2.183999	0.030326	0.918271
cg23687058	chr7	1.56E+08		0.220919	2.186269	0.030156	0.916987
cg02330053	chr20	33292254	FAM83C	0.150419	2.185999	0.030176	0.917043

cg15663121	chr16	4898306		-0.20862	-2.18829	0.030006	0.916876
cg14794480	chr17	14367085		-0.27154	-2.18206	0.030471	0.918345
cg11854691	chr5	53362714		0.340263	2.183281	0.030379	0.918345
cg10284662	chr16	89008451		0.241033	2.185945	0.03018	0.917043
cg15131519	chr11	1.32E+08		-0.18236	-2.18176	0.030493	0.918345
cg21011616	chr2	1.77E+08		0.231977	2.187418	0.030071	0.916987
cg00454274	chr1	54200587		-0.40973	-2.18224	0.030457	0.918345
cg17339258	chr14	59655074	SCOCP1	-0.14675	-2.18727	0.030082	0.916987
cg03309347	chr19	1238234		0.203511	2.181649	0.030502	0.918345
cg11703470	chr6	99276280		0.225507	2.183399	0.03037	0.918345
cg22825230	chr20	57798303	SLMO2;PPP1R3D	0.204784	2.189229	0.029937	0.916864
cg18002116	chr13	53419596		0.303251	2.188292	0.030006	0.916876
cg13743736	chr9	35609853	CA9	0.181941	2.185189	0.030237	0.917268
cg24420093	chr11	6947085		0.300787	2.18298	0.030402	0.918345
cg25360518	chr12	4554623		-0.3351	-2.18194	0.03048	0.918345
cg01649960	chr12	57410655	RBMS2;BAZ2A;SMARCC2;LRP1;ARHGEF25	-0.22205	-2.18685	0.030113	0.916987
cg08824895	chr13	1.15E+08		-0.27058	-2.18358	0.030357	0.918271
cg18917736	chr14	76961010		-0.30305	-2.18558	0.030208	0.917256
cg16533495	chr12	52431312		-0.20524	-2.18578	0.030192	0.917256
cg16079396	chr17	1957163		0.161692	2.186628	0.03013	0.916987
cg04332534	chr19	37096487	ZNF382;ZFP82;ZNF529;ZNF568;ZNF527;ZNF566	0.318564	2.182082	0.030469	0.918345
cg24163563	chr15	1.01E+08	ALDH1A3	0.207346	2.185371	0.030223	0.917256

cg21553182	chr19	52956821	ZNF415	0.307816	2.185052	0.030247	0.917268
cg22014398	chr5	1.79E+08	GFPT2;ADAMTS2	-0.25549	-2.18337	0.030372	0.918345
cg13874817	chr3	1.41E+08		0.200896	2.187586	0.030058	0.916987
cg08889776	chr6	38105691	BTBD9;PIM1	0.293237	2.187142	0.030091	0.916987
cg26975476	chr12	1.33E+08		-0.31661	-2.1837	0.030348	0.918271
cg15364335	chr3	53925231		-0.22187	-2.188	0.030028	0.916887
cg03411765	chr8	1.43E+08		-0.13583	-2.18368	0.03035	0.918271
cg25734198	chr6	49670744		-0.32806	-2.18316	0.030388	0.918345
cg07801480	chr10	43725741		0.234114	2.181655	0.030501	0.918345
cg12697796	chr10	49954016		0.368314	2.183692	0.030349	0.918271
cg13273789	chr14	23388442		0.211684	2.183238	0.030383	0.918345
cg07813249	chr4	46392253		0.259348	2.183928	0.030331	0.918271
cg23345500	chr22	27053221		-0.12522	-2.18437	0.030298	0.918
cg09253150	chr3	43147928		0.268134	2.186858	0.030112	0.916987
cg19656686	chr17	80214549		0.206542	2.184739	0.03027	0.917612
cg02765363	chr17	80200741	WDR45B;PCYT2;MAFG-AS1;METRNL	0.384539	2.189706	0.029901	0.916687
cg07624226	chr7	1.58E+08		0.249109	2.186356	0.03015	0.916987
cg17047311	chr8	28610801		-0.17563	-2.18318	0.030386	0.918345
cg26358105	chr5	1.56E+08		-0.23714	-2.1884	0.029998	0.916876
cg26577017	chr8	80523191		0.325621	2.18643	0.030144	0.916987
cg11669285	chr17	40558061		0.328402	2.184885	0.030259	0.917413
cg11351809	chr17	14213798		0.243678	2.182402	0.030445	0.918345
cg20436707	chr10	698162		-0.21233	-2.18642	0.030145	0.916987

cg04377289	chr17	78991965		0.183792	2.190368	0.029853	0.916519
cg14128316	chr17	20516917		-0.20419	-2.18178	0.030492	0.918345
cg24911113	chr19	23185714		0.316888	2.184367	0.030298	0.918
cg17568996	chr22	42828125	BIK;ACO2;TTLL1;MCAT	0.387468	2.186838	0.030114	0.916987
cg04806447	chr3	1.37E+08		0.253759	2.185344	0.030225	0.917256
cg02447462	chr19	861071		-0.46084	-2.18543	0.030219	0.917256
cg15251212	chr17	36508330		0.144918	2.183319	0.030376	0.918345
cg23828595	chr10	52833610		-0.3294	-2.18795	0.030031	0.916929
cg04849378	chr12	72730618		-0.24394	-2.18243	0.030443	0.918345
cg18801197	chr3	1.22E+08		-0.25945	-2.18441	0.030295	0.918
cg19030597	chr19	49109846		-0.25647	-2.18298	0.030402	0.918345
cg23012591	chr3	73923792	CNTN3	-0.30819	-2.18397	0.030328	0.918271
cg04978243	chr16	23079562		-0.28633	-2.18492	0.030257	0.917413
cg23115390	chr6	45784526	RCAN2	0.375397	2.18016	0.030614	0.918621
cg06239478	chr2	11606277		-0.24081	-2.1825	0.030438	0.918345
cg06545268	chr8	9756974		0.341545	2.183529	0.030361	0.918271
cg12037994	chr14	21991255		0.204149	2.180186	0.030612	0.918621
cg17597901	chr7	39874082		0.369295	2.181064	0.030546	0.918471
cg05999049	chr17	46692859		0.214305	2.188556	0.029987	0.916876
cg01685843	chr2	1.29E+08		-0.21595	-2.18269	0.030424	0.918345
cg23706449	chr8	47046101		0.23215	2.183372	0.030372	0.918345
cg15881912	chr19	7745939		0.192872	2.183561	0.030358	0.918271
cg05383958	chr3	43914187	FAM198A;ZNF662	-0.24644	-2.18572	0.030197	0.917256
cg01314034	chr7	73867833		-0.188	-2.18554	0.03021	0.917256

cg12101108	chr3	1.96E+08		0.195124	2.183146	0.030389	0.918345
cg00902396	chr2	1.36E+08		0.323154	2.187727	0.030048	0.916987
cg09338645	chr13	51797139		-0.27574	-2.18373	0.030346	0.918271
cg12637106	chr6	78360341		0.344971	2.185466	0.030216	0.917256
cg17174370	chr2	1.53E+08		-0.30437	-2.1837	0.030348	0.918271
cg24622007	chr12	1.33E+08		-0.31797	-2.18278	0.030416	0.918345
cg11433629	chr6	1.37E+08		0.1937	2.184014	0.030324	0.918271
cg13596983	chr9	1.38E+08		-0.2729	-2.18101	0.03055	0.918471
cg26245206	chr11	34196023		-0.14173	-2.18693	0.030107	0.916987
cg25966300	chr6	1.69E+08	SMOC2	0.362227	2.181472	0.030515	0.918345
cg09624858	chr6	30132226	DHX16	-0.24418	-2.18132	0.030526	0.918345
cg04184042	chr11	62495761	FEN1;POLR2G	-0.14981	-2.18628	0.030155	0.916987
cg06579481	chr7	1.05E+08	ENSG00000242154	0.344281	2.181407	0.03052	0.918345
cg11673840	chr17	47092156	HOXB-AS2;HOXB4	0.389804	2.182996	0.030401	0.918345
cg17164513	chr19	2064075	SCAMP4;PCSK4;GAMT	0.313738	2.185103	0.030243	0.917268
cg22505075	chr8	27737223		0.54409	2.180916	0.030557	0.918483
cg13877915	chr19	58951672		-0.55853	-2.18363	0.030353	0.918271
cg01221623	chr19	14142963		-0.16526	-2.18224	0.030458	0.918345
cg11067907	chr12	49319500		0.310746	2.181178	0.030537	0.918456
cg14421582	chr1	3481668		-0.27256	-2.19101	0.029805	0.916118
cg26372765	chr10	1.32E+08		-0.28882	-2.17998	0.030627	0.918621
cg27384560	chr16	85699435		0.183349	2.182566	0.030433	0.918345
cg08879724	chr3	1.57E+08		-0.23221	-2.18515	0.030239	0.917268

cg08168897	chr2	1.28E+08	GPR17;LIMS2;MYO7B;ENSG0000235128	0.345701	2.180516	0.030587	0.918621
cg07715041	chr7	99302981		-0.25635	-2.18371	0.030347	0.918271
cg22392501	chr1	22379010		0.177484	2.181281	0.030529	0.918345
cg24056567	chr8	18871909	CSGALNACT1	-0.25772	-2.1826	0.03043	0.918345
cg14267263	chr9	841436		-0.29024	-2.18207	0.03047	0.918345
cg04913979	chr3	1.58E+08	VEPH1	0.273614	2.181297	0.030528	0.918345
cg06824297	chr21	30391795		-0.21477	-2.18163	0.030503	0.918345
cg23547048	chr4	698616		-0.29383	-2.18252	0.030437	0.918345
cg05936516	chr5	1.15E+08		0.336648	2.185544	0.03021	0.917256
cg02735652	chr1	32226179		0.198052	2.183543	0.03036	0.918271
cg19654224	chr2	2.43E+08		-0.20737	-2.18633	0.030152	0.916987
cg03732263	chr1	26797145	RPS6KA1;CEP85;FAM110D	0.297885	2.181782	0.030492	0.918345
cg16332610	chr15	74658547		-0.20318	-2.18334	0.030375	0.918345
cg12361356	chr1	2.01E+08		0.220536	2.181374	0.030522	0.918345
cg15724773	chr10	1.04E+08		-0.1675	-2.18362	0.030354	0.918271
cg19890277	chr15	58358384		0.251066	2.181467	0.030515	0.918345
ch.6.141680342F	chr6	1.42E+08		0.290809	2.179793	0.030642	0.918621
cg02106850	chr6	85474093		0.50659	2.182977	0.030402	0.918345
cg25921563	chr22	21993211	P2RX6;IGLV1-44	-0.28567	-2.182	0.030476	0.918345
cg02464338	chr5	1.16E+08		0.201501	2.186581	0.030133	0.916987
cg13212080	chr14	95334807		-0.22129	-2.18272	0.030421	0.918345
cg20893532	chr3	1.25E+08		0.19252	2.182033	0.030473	0.918345
cg18079925	chr12	29873263		-0.27576	-2.1816	0.030505	0.918345

cg00436219	chr3	1.26E+08		-0.24255	-2.18191	0.030482	0.918345
cg26963976	chr16	57023483		0.152478	2.181439	0.030518	0.918345
cg00704869	chr13	1.14E+08		-0.4375	-2.18031	0.030602	0.918621
cg04620015	chr5	1.12E+08		-0.27366	-2.18441	0.030295	0.918
cg17758721	chr20	2451208		-0.26203	-2.18367	0.03035	0.918271
cg10714973	chr19	10172119		-0.26469	-2.17978	0.030642	0.918621
cg22808692	chr7	6193786		-0.44687	-2.18434	0.0303	0.918
cg22885332	chr5	1.39E+08	SLC23A1;CYSTM1;IK;TMEM173;NRG2	0.264156	2.18047	0.03059	0.918621
cg08618620	chr12	52309094		0.256087	2.181108	0.030542	0.918456
cg08343881	chr6	28304075		0.196594	2.181263	0.030531	0.918345
cg08211028	chr10	1.1E+08		0.431164	2.177529	0.030813	0.919715
cg02375320	chr2	38978881		0.334345	2.18088	0.03056	0.9185
cg07699613	chr5	1.51E+08		-0.25518	-2.18286	0.030411	0.918345
cg01271376	chr12	65562963		0.243018	2.186152	0.030165	0.91702
cg16327338	chr10	1.16E+08	PLEKHS1;ADRB1;AFAP1L2	0.406739	2.18452	0.030287	0.917977
cg19794490	chr20	33412943		-0.26389	-2.18309	0.030394	0.918345
cg18063332	chr8	2212228		0.224367	2.180111	0.030618	0.918621
cg05307864	chr6	1.61E+08		-0.3346	-2.18065	0.030577	0.918621
cg23905164	chr17	46827513	SPOP	0.33091	2.185719	0.030197	0.917256
cg25925331	chr15	94774753		0.164858	2.178182	0.030763	0.919617
cg25282972	chr12	1.05E+08		0.339717	2.179786	0.030642	0.918621
cg09700407	chr20	49347891		0.152284	2.181835	0.030488	0.918345
cg02310273	chr3	44682165		-0.26312	-2.17954	0.030661	0.918691

cg00629395	chr6	46821624	ENSG00000231769	0.261106	2.181009	0.03055	0.918471
cg08182407	chr18	76754961		-0.30753	-2.18184	0.030487	0.918345
cg19903766	chr19	36049672		0.299516	2.181453	0.030516	0.918345
cg14166625	chr11	3638448		-0.26066	-2.17743	0.03082	0.919715
cg12359697	chr3	1.87E+08		-0.16746	-2.1793	0.030679	0.919048
cg03560660	chr16	22960289	VWA3A	-0.26862	-2.1804	0.030596	0.918621
cg21706535	chr22	37174758	LGALS1;RAC2	-0.20822	-2.19037	0.029852	0.916519
cg19162768	chr15	96898476	ENSG00000259763	-0.25472	-2.18187	0.030485	0.918345
cg09319227	chr16	352684		-0.20611	-2.18264	0.030427	0.918345
cg00087182	chr22	24302043	ENSG00000273295;ENSG00000218537;ENSG00000225282;GSTT1;ENSG00000272955;ENSG00000235231	-0.26828	-2.17982	0.030639	0.918621
cg23490077	chr6	1.13E+08		0.273532	2.183117	0.030392	0.918345
cg02445664	chr17	47210599		0.243359	2.180017	0.030625	0.918621
cg11337525	chr19	45418417		-0.17273	-2.18503	0.030248	0.917268
cg22699074	chr1	6304272		0.195549	2.182831	0.030413	0.918345
cg06661542	chr10	858328		-0.25247	-2.18041	0.030595	0.918621
cg18329110	chr7	64704580		0.18799	2.184451	0.030292	0.918
cg06497736	chr19	50411442		0.313151	2.180111	0.030617	0.918621
cg10839663	chr1	1.13E+08		0.119676	2.183675	0.03035	0.918271
cg13392140	chr9	1.32E+08	NAIF1	-0.19836	-2.17892	0.030708	0.919396
cg00783000	chr14	1.01E+08		-0.22131	-2.17807	0.030772	0.919617

cg17658638	chr17	80890347		0.2588	2.178675	0.030726	0.919518
cg05759182	chr12	1.32E+08		-0.21723	-2.17858	0.030733	0.919518
cg14557236	chr10	1.05E+08		0.255477	2.179116	0.030693	0.919176
cg01834776	chr14	24898905	PSME1;PCK2	-0.30369	-2.17928	0.03068	0.919048
cg01997529	chr19	913524	MEX3D	-0.12955	-2.18415	0.030314	0.918271
cg13542306	chr19	18264071	MRPL34	0.176891	2.178838	0.030714	0.919412
cg24017555	chr6	1.32E+08	EPB41L2	0.254345	2.181936	0.03048	0.918345
cg10448831	chr13	43930401		0.217574	2.182924	0.030406	0.918345
cg07668586	chr8	11772215		-0.23203	-2.1801	0.030618	0.918621
cg25306277	chr1	2E+08	NR5A2;C1orf106	0.348949	2.182034	0.030473	0.918345
cg05469934	chr7	566467	ENSG00000249852	-0.2126	-2.17793	0.030783	0.919715
cg17080181	chr2	20425246		0.128746	2.180124	0.030617	0.918621
cg27208307	chr10	70847399		0.570569	2.182783	0.030417	0.918345
cg08090164	chr8	1.44E+08	MAPK15;RHPN1;TOP1MT;RHPN1-AS1;MROH6	0.312754	2.181099	0.030543	0.918456
cg24542441	chr2	1.1E+08		0.158532	2.181963	0.030478	0.918345
cg06314202	chr16	1128070	NME4;SOX8;TMEM204;RGS11;ENSG00000196674;HN1L;ENSG00000260807	-0.20749	-2.17987	0.030636	0.918621
cg24923866	chr3	1.98E+08	IQCG;LMLN;BDH1;KIAA0226	0.455285	2.186808	0.030116	0.916987
cg14175690	chr1	1.2E+08		0.314667	2.178253	0.030758	0.919617
cg07188233	chr14	92573147		-0.15936	-2.17744	0.03082	0.919715

cg11936311	chr5	1.79E+08	ADAMTS2	0.34269	2.178636	0.030729	0.919518
cg06110297	chr7	22589830		0.353465	2.178269	0.030757	0.919617
cg05385623	chr3	57994101	ASB14;RNU6-108P;RNF7P1;DNAH12	-0.16542	-2.18148	0.030514	0.918345
cg17949451	chr1	1.45E+08		-0.17562	-2.17876	0.03072	0.919496
cg22469841	chr3	1.2E+08		-0.29953	-2.18001	0.030625	0.918621
cg15185479	chr6	31782997		0.150116	2.176654	0.030879	0.919715
cg25989526	chr13	49147573	LPAR6;SETDB2;LINC00441	0.289404	2.18189	0.030484	0.918345
cg24269412	chr4	1340602		-0.1549	-2.17966	0.030651	0.918643
cg06192085	chr16	1076721		0.194437	2.180047	0.030622	0.918621
cg21604856	chr22	22874677		-0.25589	-2.18093	0.030556	0.918483
cg25584422	chr15	69454157		0.33927	2.180594	0.030581	0.918621
cg14300730	chr2	1.09E+08		0.292023	2.180774	0.030568	0.918612
cg13511115	chr14	96000878		-0.2223	-2.17697	0.030855	0.919715
cg19550533	chr17	1901437		0.268044	2.178384	0.030748	0.919617
cg04332914	chr3	53381587	GNL3	0.153814	2.180274	0.030605	0.918621
cg20917943	chr3	1.14E+08		-0.32214	-2.17716	0.030841	0.919715
cg09527731	chr5	1.32E+08		-0.20129	-2.18066	0.030576	0.918621
cg27546195	chr1	2.2E+08		0.196799	2.182365	0.030448	0.918345
cg25959792	chr5	1.8E+08		-0.22963	-2.18142	0.030519	0.918345
cg24761467	chr11	2861204		-0.19677	-2.17887	0.030711	0.919412
cg22764639	chr12	1.07E+08		-0.1763	-2.18456	0.030284	0.91795
cg00617415	chr16	84485726		-0.24484	-2.17839	0.030747	0.919617
cg01325613	chr13	1.14E+08		-0.28541	-2.17989	0.030634	0.918621

cg21517436	chr11	8710564		-0.13814	-2.18257	0.030433	0.918345
cg09466880	chr19	44439215		0.253962	2.179714	0.030647	0.918621
cg07605229	chr2	2.1E+08		0.278018	2.176533	0.030888	0.919715
cg04010582	chr17	29826080	ENSG00000266371;ENSG00000264538;SH3GL1P1	-0.21967	-2.17556	0.030962	0.919715
cg13536308	chr9	1.37E+08		0.172344	2.175849	0.03094	0.919715
cg16548568	chr1	4188045		0.24138	2.179743	0.030645	0.918621
cg16220802	chr4	1.01E+08		-0.30342	-2.1774	0.030822	0.919715
cg18595756	chr19	17211623		0.301042	2.175241	0.030987	0.919715
cg22821931	chr7	50800837		-0.29247	-2.17954	0.03066	0.918691
cg03210464	chr6	1.59E+08	RSPH3;SYTL3;DYNLT1;EZR;ZDHHC14;C6orf99;ENSG00000213076;FNDC1;ENSG00000271913;SERAC1	0.288234	2.186231	0.030159	0.916987
cg01852095	chr2	1.41E+08		-0.26344	-2.18209	0.030468	0.918345
cg15257078	chr7	1.34E+08		0.210398	2.180273	0.030605	0.918621
cg26233914	chr16	31366536	ITGAX;ITGAL;ITGAM;ZNF629;ZNF768	-0.25021	-2.1792	0.030686	0.919135
cg10176667	chr19	8467144	ADAMTS10;KANK3;EVI5L;ZNF558	-0.35076	-2.17703	0.030851	0.919715
cg22459755	chr8	49293005		0.315779	2.178486	0.03074	0.919532
cg14838086	chr6	31671273		-0.27609	-2.17748	0.030816	0.919715

cg15309028	chr11	10772429		-0.32452	-2.18023	0.030609	0.918621
cg27229613	chr1	2.3E+08		0.333706	2.175425	0.030973	0.919715
cg05552490	chr6	43952511	POLR1C;RSPH9	-0.24585	-2.17965	0.030652	0.918643
cg00526273	chr20	59864749		-0.21245	-2.17914	0.03069	0.919176
cg04269188	chr14	1.06E+08	IGHG2	0.257671	2.17785	0.030788	0.919715
cg23017398	chr19	42125367		-0.19559	-2.18357	0.030357	0.918271
cg25809635	chr19	37341103		0.178978	2.178824	0.030715	0.919412
cg25912247	chr18	6264520		0.354064	2.176912	0.03086	0.919715
cg10118547	chr2	2.07E+08		0.285916	2.178182	0.030763	0.919617
cg18273818	chr5	5422589		0.179115	2.17927	0.030681	0.919048
cg25390199	chr17	18761479		-0.22005	-2.17666	0.030879	0.919715
cg02644052	chr16	87096408		-0.27902	-2.1761	0.030922	0.919715
cg13990856	chr10	49940677		0.203189	2.178281	0.030756	0.919617
cg09588254	chr6	30523956		0.200814	2.175224	0.030988	0.919715
cg23936279	chr8	42951235		-0.1995	-2.17583	0.030942	0.919715
cg07194830	chr16	46604297		-0.24106	-2.18176	0.030493	0.918345
cg05877222	chr6	1.57E+08		0.278095	2.179578	0.030658	0.918691
cg01594662	chr12	33595118		0.392706	2.175091	0.030998	0.919715
cg01267373	chr18	77410094		-0.40743	-2.17982	0.03064	0.918621
cg04409427	chr21	35736023		-0.29457	-2.17671	0.030875	0.919715
cg15054838	chr2	1.77E+08		0.174539	2.176021	0.030927	0.919715
cg22705386	chr7	1.3E+08		0.227969	2.178632	0.030729	0.919518
cg07834396	chr10	23385979	C10orf115	0.377183	2.178578	0.030733	0.919518
cg02147240	chr14	73011054		-0.23625	-2.17544	0.030972	0.919715
cg17488353	chr2	2.41E+08		-0.23387	-2.18111	0.030542	0.918456

cg02271180	chr14	24711618		0.144907	2.179763	0.030644	0.918621
cg21071117	chr11	1.25E+08		0.227459	2.173992	0.031082	0.920731
cg19611273	chr5	1.13E+08		0.264166	2.178023	0.030775	0.919617
cg26803802	chr4	3512607		0.257398	2.17709	0.030846	0.919715
cg00082540	chr21	46396774		0.138367	2.17519	0.03099	0.919715
cg00662782	chr1	16542981		0.286906	2.177409	0.030822	0.919715
cg17818837	chr8	95487442		-0.29727	-2.17619	0.030914	0.919715
cg23466418	chr7	1.55E+08		0.411588	2.173332	0.031132	0.920745
cg25633678	chr8	65284473		0.206238	2.178922	0.030707	0.919396
cg12745145	chr7	2261452		0.358744	2.176287	0.030907	0.919715
cg19658054	chr14	72177150		0.34123	2.178924	0.030707	0.919396
cg16157435	chr2	1.01E+08		-0.24558	-2.17613	0.030919	0.919715
cg04384245	chr1	28696042	SNHG3	-0.20827	-2.17822	0.03076	0.919617
cg22540800	chr19	47363945		0.157427	2.175565	0.030962	0.919715
cg03460163	chr3	1.57E+08		-0.28679	-2.18028	0.030605	0.918621
cg00549575	chr11	8008752	TMEM9B	-0.32955	-2.17805	0.030773	0.919617
cg14310958	chr10	1.03E+08		-0.21101	-2.17541	0.030974	0.919715
cg13870866	chr7	35293130		0.207376	2.175374	0.030976	0.919715
cg14016074	chr11	809449		-0.16164	-2.17642	0.030897	0.919715
cg25564121	chr5	43041152		0.290758	2.177741	0.030797	0.919715
cg14154441	chr13	28753019		0.338491	2.179513	0.030663	0.918691
cg25414463	chr7	1.53E+08		0.284665	2.177599	0.030807	0.919715
cg17282592	chr10	6797081		0.269203	2.179099	0.030694	0.919176
cg20388427	chr5	1.5E+08		0.183224	2.178138	0.030767	0.919617
cg26748024	chr6	42420298		-0.20748	-2.17613	0.030919	0.919715

cg06952307	chr17	47287974	ENSG00000248954;ABI3;SKAP1;COL1A1;NXPH3;TTL6	0.303441	2.176278	0.030908	0.919715
cg07455757	chr16	54968985		0.182481	2.17972	0.030647	0.918621
cg21520507	chr12	1.02E+08		-0.24889	-2.18009	0.030619	0.918621
cg23837804	chr21	45221122		0.321595	2.175935	0.030934	0.919715
cg03340466	chr1	1.8E+08		0.3904	2.173734	0.031102	0.920745
cg08142918	chr16	86546374		0.306502	2.177583	0.030809	0.919715
cg16956007	chr13	1.14E+08		-0.1863	-2.17549	0.030968	0.919715
cg09406210	chr2	7342228		-0.40862	-2.17726	0.030833	0.919715
cg09507120	chr9	1.39E+08		0.210981	2.178495	0.03074	0.919532
cg23680255	chr2	2.03E+08	ENSG00000222035	-0.16461	-2.18188	0.030485	0.918345
cg08125755	chr4	1.74E+08		0.220836	2.174546	0.03104	0.919989
cg16637961	chr3	13177818		-0.264	-2.18078	0.030567	0.918612
cg24806663	chr17	54794017		-0.23155	-2.17538	0.030976	0.919715
cg24406917	chr22	25507612		0.331087	2.172543	0.031193	0.920745
cg21647227	chr1	1.2E+08		0.236111	2.17743	0.03082	0.919715
cg15636421	chr21	33242495		-0.31991	-2.1739	0.031089	0.920745
cg08931196	chr11	1.19E+08		0.175902	2.182657	0.030426	0.918345
cg16377880	chr19	15751167	RASAL3	-0.2944	-2.17872	0.030722	0.919514
cg03425348	chr2	20441979		0.262262	2.17464	0.031032	0.919989
cg10194319	chr4	1.64E+08		-0.29923	-2.17602	0.030927	0.919715
cg00370962	chr3	17199496		0.340709	2.181344	0.030525	0.918345
cg16043523	chr6	47155663		-0.38277	-2.17592	0.030935	0.919715
cg24174959	chr7	34528600		-0.31447	-2.17347	0.031122	0.920745

cg01159003	chr13	79801368	NDFIP2	0.342876	2.175337	0.030979	0.919715
cg22881371	chr2	24367779		-0.2802	-2.17263	0.031186	0.920745
cg04435420	chr5	1.56E+08		0.265651	2.176523	0.030889	0.919715
cg19169163	chr6	30129563	DHX16	-0.29274	-2.17516	0.030993	0.919715
cg02189888	chr19	46582065		0.263678	2.17512	0.030996	0.919715
cg14327296	chr14	1.01E+08	DIO3OS;WARS	-0.2129	-2.17586	0.03094	0.919715
cg26538116	chr2	44223328		-0.2498	-2.17719	0.030838	0.919715
cg27343380	chr7	1.59E+08		-0.28127	-2.17338	0.031129	0.920745
cg16182986	chr5	16180419		-0.25939	-2.17669	0.030877	0.919715
cg07697078	chr5	1.4E+08		-0.2224	-2.17712	0.030844	0.919715
cg26394227	chr6	31600222		0.273873	2.174576	0.031037	0.919989
cg15605448	chr19	35634229		0.226815	2.175155	0.030993	0.919715
cg10077060	chr12	76177845		-0.22012	-2.17618	0.030915	0.919715
cg03605372	chr19	11546340		-0.1588	-2.17728	0.030832	0.919715
cg20222695	chr12	1.33E+08	ENSG00000250790;POLE	0.247927	2.180918	0.030557	0.918483
cg09972192	chr12	72667326		0.198601	2.175869	0.030939	0.919715
cg25808926	chr13	21714709		-0.17043	-2.1746	0.031036	0.919989
cg16712729	chr19	57923034		-0.16019	-2.1779	0.030785	0.919715
cg08715988	chr1	16829179		-0.34216	-2.1775	0.030815	0.919715
cg22530519	chr17	41001849		-0.2009	-2.17254	0.031193	0.920745
cg14422922	chr1	2.48E+08	SMYD3	-0.274	-2.17786	0.030788	0.919715
cg27337539	chr11	76900304		0.23073	2.174648	0.031032	0.919989
cg23708209	chr15	88843899	FANCI;HAPLN3;ISG20;DET1	-0.33481	-2.17356	0.031115	0.920745
cg00319223	chr8	2012508	KBTBD11	0.345463	2.172018	0.031233	0.920825

cg14140152	chr9	1.31E+08		0.192328	2.1722	0.031219	0.920745
cg18522231	chr3	1.97E+08		0.809712	2.176441	0.030895	0.919715
cg27584713	chr6	12717016		0.377227	2.178147	0.030766	0.919617
cg24428218	chr10	1.26E+08		-0.32206	-2.17297	0.03116	0.920745
cg03510435	chr12	14094558		-0.35666	-2.17192	0.03124	0.920825
cg05155775	chr1	2.2E+08	C1orf115	-0.27411	-2.17524	0.030987	0.919715
cg18607849	chr17	78803435		-0.22477	-2.17633	0.030904	0.919715
cg18729862	chr6	32862333	CUTA	-0.17407	-2.17423	0.031064	0.920454
cg11408900	chr10	1.18E+08		-0.26359	-2.17391	0.031088	0.920745
cg04562976	chr1	1.73E+08		-0.1673	-2.17442	0.031049	0.9202
cg05503527	chr19	53970618		0.252015	2.17572	0.03095	0.919715
cg03554749	chr4	85405132	NKX6-1	0.293336	2.180628	0.030579	0.918621
cg10693071	chr5	1.15E+08		0.358777	2.17481	0.031019	0.919989
cg03243450	chr5	1800782	ENSG00000232615	-0.29189	-2.17563	0.030957	0.919715
cg08043024	chr16	77224073		0.310896	2.173067	0.031153	0.920745
cg11926012	chr5	1.15E+08		-0.32564	-2.1785	0.030739	0.919532
cg18236250	chr4	16791106		-0.24112	-2.17693	0.030858	0.919715
cg03408271	chr4	13537647		-0.22916	-2.17259	0.031189	0.920745
cg15665630	chr3	1.26E+08		0.226443	2.175211	0.030989	0.919715
cg23434304	chr14	24457509		-0.26341	-2.17626	0.030909	0.919715
cg27252154	chr12	6568215	NOP2	0.148336	2.175161	0.030993	0.919715
cg14878230	chr13	20437969		-0.15639	-2.17665	0.030879	0.919715
cg16529323	chr18	20137449		-0.33393	-2.17344	0.031124	0.920745
cg26524356	chr11	27494432		0.174628	2.180159	0.030614	0.918621
cg25285090	chr6	28510313	HIST1H3I	0.387061	2.17216	0.031222	0.920745

cg05302416	chr11	2466037	NAP1L4	-0.19617	-2.17184	0.031247	0.920825
cg25381754	chr1	24742201		-0.18646	-2.17629	0.030907	0.919715
cg24863791	chr19	58144608		0.191743	2.175373	0.030977	0.919715
cg14434187	chr17	61627772		-0.14018	-2.1764	0.030898	0.919715
cg05462570	chr11	64814948		0.204914	2.17156	0.031268	0.920825
cg02330874	chr10	71339632		-0.36461	-2.17512	0.030996	0.919715
cg08820104	chr5	54183619		-0.21174	-2.1743	0.031058	0.920349
cg01823120	chr6	97752691		-0.29485	-2.17733	0.030828	0.919715
cg11596387	chr2	66468536		-0.23317	-2.17501	0.031004	0.919768
cg02870584	chr11	65547924		0.27142	2.176776	0.03087	0.919715
cg18710162	chr17	33390808	AP2B1;ZNF830	0.273709	2.175522	0.030965	0.919715
cg22388200	chr1	2.03E+08		-0.30101	-2.17516	0.030992	0.919715
cg01016857	chr19	405795		-0.252	-2.17481	0.03102	0.919989
cg24805728	chr15	34630351		0.186739	2.175611	0.030958	0.919715
cg14085358	chr2	1.77E+08		0.268811	2.174706	0.031027	0.919989
cg09536375	chr10	1.24E+08		0.319513	2.175414	0.030973	0.919715
cg21915799	chr8	10282809		0.265819	2.173109	0.031149	0.920745
cg26917640	chr15	67204380		-0.37462	-2.16998	0.03139	0.921533
cg03127974	chr8	1.46E+08		-0.2635	-2.17079	0.031327	0.921102
cg04608855	chr19	58913158	ENSG00000269473	-0.24089	-2.17535	0.030979	0.919715
cg14565725	chr1	1.2E+08		0.323928	2.171406	0.03128	0.920919
cg00908584	chr7	1.55E+08		-0.49507	-2.17253	0.031194	0.920745
cg15333277	chr8	41733931		-0.28868	-2.17316	0.031146	0.920745
cg02604099	chr10	1.35E+08		-0.25874	-2.17336	0.031131	0.920745
cg27285968	chr14	89059888		0.324634	2.172718	0.031179	0.920745

cg11024180	chr20	10195033		0.249521	2.176535	0.030888	0.919715
cg03270710	chr2	74729592		0.202617	2.176008	0.030928	0.919715
cg02696763	chr1	1.56E+08		-0.17175	-2.17543	0.030972	0.919715
cg10626682	chr21	31661731		-0.26953	-2.17294	0.031163	0.920745
cg10652508	chr19	2809933		0.194107	2.172791	0.031174	0.920745
cg27171580	chr12	80073676		-0.28908	-2.17571	0.030951	0.919715
cg20918262	chr12	1.1E+08		-0.21454	-2.1731	0.03115	0.920745
cg08465774	chr8	39771756	IDO1	0.502384	2.174983	0.031006	0.919768
cg26829451	chr11	1.21E+08		0.193766	2.173263	0.031138	0.920745
cg00481499	chr2	2.14E+08		-0.1783	-2.17498	0.031006	0.919768
cg08190913	chr8	70978351		-0.29822	-2.17216	0.031222	0.920745
cg12178287	chr19	17631836		0.262725	2.170523	0.031348	0.921142
cg04641171	chr15	79381805		0.287984	2.169577	0.031421	0.921825
cg07919936	chr2	451875		-0.28662	-2.17067	0.031337	0.921102
cg14723423	chr19	45448413		-0.23226	-2.17702	0.030851	0.919715
cg18388547	chr1	35513161	CLSPN;GJB5;GJB4;GJB3;AGO3;PSMB2	-0.25391	-2.17136	0.031283	0.920951
cg13824156	chr22	24199059		0.232191	2.177828	0.03079	0.919715
cg16805171	chr15	85174652		0.168469	2.1742	0.031066	0.920454
cg20467378	chr17	79277196		-0.38568	-2.17327	0.031137	0.920745
cg09851883	chr8	1.01E+08		0.284307	2.172208	0.031218	0.920745
cg16752864	chr4	1.4E+08		-0.20243	-2.17361	0.031111	0.920745
cg14083376	chr14	1.04E+08		0.203909	2.177712	0.030799	0.919715
cg00529958	chr13	1.01E+08		0.402739	2.171643	0.031262	0.920825

cg14513680	chr9	15552606		0.18692	2.17307	0.031152	0.920745
cg05907649	chr15	56519080		-0.33062	-2.17271	0.03118	0.920745
cg10322007	chr12	38449206		-0.28408	-2.17099	0.031312	0.921102
cg00935653	chr7	25897725		0.263226	2.172407	0.031203	0.920745
cg01974875	chr17	6617580		0.210294	2.171874	0.031244	0.920825
cg15437053	chr19	34311123		-0.16122	-2.17467	0.03103	0.919989
cg13303654	chr10	31610754		0.337128	2.175985	0.03093	0.919715
cg07836831	chr1	2460865	C1orf222;TTC34;PRKCZ;TMEM52;MORN1	-0.1817	-2.17358	0.031113	0.920745
cg03159004	chr19	46445221		-0.19568	-2.16911	0.031456	0.92221
cg06745145	chr7	90664816		-0.26305	-2.17259	0.031189	0.920745
cg02625942	chr1	1.69E+08		0.321666	2.178052	0.030773	0.919617
cg19629079	chr12	1.11E+08	ARPC3;TMEM116;ATP2A2;IFT81	0.358823	2.177041	0.03085	0.919715
cg19857758	chr1	2.38E+08		-0.25029	-2.17251	0.031195	0.920745
cg16781439	chr22	29469035		0.114919	2.172218	0.031218	0.920745
cg04971263	chr1	27227008		-0.24109	-2.1726	0.031188	0.920745
cg05998950	chr7	36916137		-0.23352	-2.1716	0.031265	0.920825
cg12710531	chr11	88032774		-0.32624	-2.17075	0.031331	0.921102
cg14433414	chr22	22307378		0.247873	2.174331	0.031056	0.920348
cg19722671	chr8	1404197	MYOM2	0.345335	2.17547	0.030969	0.919715
cg19875375	chr11	46740666	SLC35C1	-0.18889	-2.17803	0.030775	0.919617
cg18578405	chr16	12996057		0.37458	2.170844	0.031323	0.921102
cg09422450	chr16	79623618		0.376492	2.171205	0.031295	0.920994

cg25570676	chr19	47975706		0.20035	2.17462	0.031034	0.919989
cg07617759	chr2	33050475		0.355088	2.170749	0.03133	0.921102
cg11659501	chr12	81471678		0.364004	2.17402	0.03108	0.920731
cg06189175	chr19	11592321		0.377703	2.170443	0.031354	0.921195
cg17405000	chr5	55147245		-0.36892	-2.17361	0.031111	0.920745
cg13916322	chr11	63381728		0.23309	2.173199	0.031143	0.920745
cg13345726	chr17	66708409	ABCA6;ABCA10;ABCA8;ABCA9;ENSG00000267361	0.335461	2.173322	0.031133	0.920745
cg03835095	chr3	1.84E+08		0.284222	2.174559	0.031039	0.919989
cg11807559	chr10	69390115		0.262608	2.171082	0.031305	0.921082
cg13216695	chr5	43121572	C5orf34	-0.17031	-2.17514	0.030995	0.919715
cg10835795	chr1	22446661		-0.28742	-2.16975	0.031407	0.921533
cg15974959	chr2	11103010		-0.25388	-2.16974	0.031408	0.921533
cg26756083	chr8	89339622		0.214046	2.174585	0.031037	0.919989
cg23843362	chr10	1.05E+08		-0.24149	-2.1727	0.03118	0.920745
cg22517356	chr1	1361216	SKI	-0.20918	-2.17726	0.030833	0.919715
cg23228529	chr7	47976869		0.855666	2.172368	0.031206	0.920745
cg06257132	chr2	71558461		0.200507	2.171524	0.031271	0.920844
cg20957164	chr3	12965323		-0.18967	-2.17294	0.031163	0.920745
cg00614392	chr6	1.06E+08	AIM1	0.274425	2.172772	0.031175	0.920745
cg04223222	chr15	25923938		-0.2191	-2.16983	0.031401	0.921533
cg27176357	chr19	57702500		0.291443	2.176454	0.030894	0.919715
cg16200469	chr5	36241644		-0.15438	-2.17058	0.031343	0.921102
cg27122725	chr5	1.43E+08		0.260794	2.17122	0.031294	0.920994

cg00333583	chr15	85589274		0.325037	2.171854	0.031246	0.920825
cg03658578	chr3	1.7E+08		-0.25818	-2.17212	0.031225	0.920768
cg02552935	chr7	1.06E+08		-0.19258	-2.17375	0.0311	0.920745
cg14376761	chr12	12416946		0.251094	2.172264	0.031214	0.920745
cg16058493	chr1	91189167	GEMIN8P4	0.275634	2.170644	0.031339	0.921102
cg01543307	chr4	1.84E+08		-0.34927	-2.17075	0.03133	0.921102
cg17019292	chr5	68710813		0.336869	2.176776	0.03087	0.919715
cg15108047	chr20	19742828	C20orf26	0.32963	2.17177	0.031252	0.920825
cg14462369	chr6	1.69E+08		-0.32621	-2.17126	0.031291	0.920994
cg02908083	chr17	40303895	RAMP2-AS1	0.261454	2.175167	0.030992	0.919715
cg11600470	chr12	34443659		0.231683	2.17112	0.031302	0.92106
cg22892539	chr5	1667258		0.191804	2.176022	0.030927	0.919715
cg07924079	chr2	1.98E+08		0.18745	2.170623	0.03134	0.921102
cg03962082	chr16	28072873		0.297513	2.171652	0.031261	0.920825
cg04464548	chr7	1.28E+08	SND1	0.217548	2.173588	0.031113	0.920745
cg17837330	chr8	1.31E+08		-0.26709	-2.17176	0.031253	0.920825
cg19209049	chr11	69454829		-0.32421	-2.17242	0.031202	0.920745
cg01350293	chr2	1.28E+08	BIN1;GYPC	-0.28297	-2.16993	0.031394	0.921533
cg15321288	chr8	38326400		0.317488	2.167551	0.031577	0.922462
cg15536116	chr11	1770595		-0.2023	-2.17204	0.031232	0.920825
cg06607384	chr14	91579859		-0.26282	-2.17189	0.031243	0.920825
cg19455965	chr4	25589929	SMIM20;SOD3	-0.2251	-2.16868	0.03149	0.92242
cg25890275	chr11	60929200		-0.18948	-2.17095	0.031315	0.921102
cg08546229	chr10	71080735		-0.16717	-2.1725	0.031196	0.920745
cg11165254	chr3	55736620		0.321631	2.171474	0.031275	0.920892

cg00182416	chr19	54263917		-0.23475	-2.16804	0.031539	0.92242
cg02106215	chr8	1.45E+08		-0.27534	-2.16985	0.031399	0.921533
cg11489638	chr3	1.08E+08		-0.37114	-2.17317	0.031145	0.920745
cg26002784	chr17	42836320		-0.12853	-2.17166	0.031261	0.920825
cg09205293	chr16	89132956	RNF166;CBFA2T3	-0.32843	-2.16722	0.031603	0.922462
cg10256708	chr19	18262564		0.242603	2.168673	0.031491	0.92242
ch.5.34664565R	chr5	34628808		0.306274	2.172297	0.031212	0.920745
cg19692710	chr11	73661920		0.292916	2.17272	0.031179	0.920745
cg07015195	chr8	1.09E+08		0.24905	2.17264	0.031185	0.920745
cg07757094	chr16	86260847		-0.20317	-2.17983	0.030639	0.918621
cg05176433	chr10	95242154	FRA10AC1	0.262841	2.171888	0.031243	0.920825
cg27014522	chr10	1.31E+08		-0.30115	-2.17519	0.030991	0.919715
cg17260725	chr15	59397288	ENSG00000259732	-0.2332	-2.17647	0.030893	0.919715
cg12532141	chr12	1.33E+08		-0.19374	-2.1729	0.031166	0.920745
cg20561100	chr7	1.07E+08	ENSG00000272072	-0.18853	-2.17089	0.031319	0.921102
cg16079260	chr5	1.8E+08		-0.29675	-2.16795	0.031546	0.92242
cg15966253	chr3	23847480		-0.20554	-2.17323	0.03114	0.920745
cg17173639	chr6	1.62E+08		-0.72528	-2.16835	0.031516	0.92242
cg23513804	chr3	37439706		-0.22182	-2.17179	0.03125	0.920825
cg21170658	chr9	1.38E+08		-0.21221	-2.17277	0.031175	0.920745
cg01489519	chr20	61493186		-0.1396	-2.16847	0.031506	0.92242
cg17805836	chr15	25953284		-0.30113	-2.16713	0.03161	0.922462
cg10115827	chr1	95538375		-0.23527	-2.16816	0.03153	0.92242
cg19594745	chr17	76897297		0.349504	2.168329	0.031517	0.92242
cg04551967	chr17	1837764		-0.31737	-2.17161	0.031264	0.920825

cg16619935	chr16	2037439		0.19685	2.167326	0.031595	0.922462
cg15634928	chr5	87894586		-0.33995	-2.17217	0.031221	0.920745
cg10330057	chr1	2.03E+08	PPP1R12B;PPFIA4;CYB5R1	-0.14132	-2.16983	0.031401	0.921533
cg08621846	chr8	1.25E+08		0.354792	2.168234	0.031524	0.92242
cg24977321	chr3	1.79E+08		0.243218	2.16904	0.031462	0.92221
cg27610545	chr12	73005050		-0.34838	-2.16769	0.031567	0.922462
cg17443753	chr1	5180057		0.301056	2.166887	0.031629	0.922482
cg18124413	chr18	43547806		-0.31919	-2.17091	0.031318	0.921102
cg07015911	chr17	46655580	HOXB4;HOXB3;NXPH3;ABI3;HOXB-AS2;PRR15L;CALCOCO2;SKAP1	0.435946	2.169508	0.031426	0.921855
cg16904116	chr6	33237583		-0.23821	-2.16703	0.031618	0.922462
cg19118951	chr21	35575070	CLIC6	0.309095	2.172894	0.031166	0.920745
cg24638326	chr1	1.57E+08	FCRL5;MEX3A;SH2D2A	0.29217	2.171034	0.031309	0.921102
cg22990475	chr2	33829748		0.256675	2.173062	0.031153	0.920745
cg08245096	chr7	1.4E+08		0.265403	2.166618	0.03165	0.922771
cg18195765	chr1	23006953		-0.23537	-2.17381	0.031096	0.920745
cg17017394	chr1	43525160		-0.33552	-2.16892	0.031471	0.922295
cg22032364	chr13	26112093		-0.35945	-2.16667	0.031646	0.922724
cg20631014	chr6	84419242		0.389805	2.16922	0.031448	0.922127
cg16767886	chr6	34284953		0.218056	2.168078	0.031537	0.92242
cg00984696	chr3	1.24E+08	MUC13;KALRN	-0.34965	-2.16764	0.03157	0.922462
cg15700587	chr7	1.47E+08		-0.3786	-2.17032	0.031363	0.921235

cg11767392	chr11	71814388	LAMTOR1	-0.13595	-2.17057	0.031344	0.921102
cg02595412	chr1	2.05E+08		0.237756	2.169864	0.031399	0.921533
cg27235896	chr4	1.56E+08		-0.27477	-2.17039	0.031358	0.9212
cg26238031	chr19	11999148		0.162169	2.168988	0.031466	0.92221
cg05599155	chr16	29188654	CDIPT;SULT1A1;C16orf54	-0.40546	-2.17416	0.031069	0.920489
cg07151747	chr2	1.59E+08	CCDC148;TANC1;HNRNPDLP2;UPP2;GALNT5;PKP4	0.467445	2.172368	0.031206	0.920745
cg24456654	chr4	41754125		0.243667	2.169341	0.031439	0.921986
cg03825255	chr2	2.34E+08		0.243667	2.166969	0.031622	0.922462
cg08934660	chr3	39231907		-0.20244	-2.16796	0.031546	0.92242
cg05518471	chr10	2006740		-0.24721	-2.16727	0.031599	0.922462
cg01436771	chr1	11119520		-0.29352	-2.16636	0.031669	0.922831
cg22307769	chr8	182402		-0.22646	-2.17031	0.031364	0.921235
cg26724726	chr6	31549853	HCP5;HLA-B;PPP1R18;GPSM3;LTB;LST1;HLA-DRA;AIF1;HLA-C;VARS2;MICB	0.270669	2.171439	0.031277	0.920908
cg22516137	chr17	80657589		-0.37616	-2.16743	0.031587	0.922462
cg04312967	chr16	1597521	HN1L;UBE2I;CACNA1H;RNPS1;CCDC78	-0.36625	-2.16779	0.031559	0.922462
cg16848072	chr3	1.34E+08	SLCO2A1;SRPRB;AMOTL2	0.26365	2.167935	0.031548	0.92242

cg07306108	chr7	1.58E+08		-0.27983	-2.16824	0.031524	0.92242
cg02629586	chr12	57345407		-0.26211	-2.17007	0.031383	0.921533
ch.15.38937523R	chr15	41150231		-0.18499	-2.16856	0.031499	0.92242
cg00550493	chr6	64928665		0.357712	2.168268	0.031522	0.92242
cg05212098	chr14	1.06E+08		-0.23322	-2.1653	0.031752	0.922904
cg00397740	chr1	1.61E+08		-0.1823	-2.17012	0.031379	0.921533
cg24573743	chr2	71211981		0.309812	2.170581	0.031343	0.921102
cg24398258	chr20	61401678		-0.1657	-2.1675	0.031581	0.922462
cg04157201	chr1	1.71E+08	FMO4	0.193485	2.171245	0.031292	0.920994
cg18225905	chr20	20033020		0.177923	2.171247	0.031292	0.920994
cg12942038	chr2	97427895		0.237283	2.165935	0.031703	0.922857
cg08173261	chr6	3845637		0.227656	2.169338	0.031439	0.921986
cg03442534	chr4	1.17E+08		-0.27337	-2.16876	0.031484	0.92242
cg15054972	chr2	1.11E+08		0.240254	2.169992	0.031389	0.921533
cg08162257	chr15	90777190		-0.17281	-2.16705	0.031616	0.922462
cg22496559	chr3	1.96E+08	ENSG00000224769;SLC51A	-0.32769	-2.16998	0.031389	0.921533
cg00332155	chr15	35837878		0.185641	2.170413	0.031356	0.9212
cg03836283	chr17	44058856		-0.25576	-2.16695	0.031624	0.922462
cg08132302	chr19	55684640		0.360692	2.169981	0.03139	0.921533
cg07594954	chr3	1.33E+08		-0.2423	-2.16906	0.031461	0.92221
cg15023278	chr10	1.21E+08	NANOS1	-0.17271	-2.17541	0.030974	0.919715
cg15543490	chr3	49699577		-0.23917	-2.17007	0.031383	0.921533
cg17127183	chr1	2.48E+08		0.546724	2.170467	0.031352	0.921195
cg06370862	chr6	50680748		-0.46183	-2.16854	0.031501	0.92242

cg20992114	chr4	1.12E+08		0.185714	2.166754	0.031639	0.922594
cg05710997	chr5	50685512		0.497626	2.172545	0.031193	0.920745
cg21007645	chr14	23584013		-0.20485	-2.17159	0.031266	0.920825
cg00561322	chr11	1.12E+08	DIXDC1;POU2AF1;CRYAB;SIK2;ENSG00000255093	0.221863	2.167417	0.031588	0.922462
cg25024717	chr12	54324583		0.255867	2.167022	0.031618	0.922462
cg07296260	chr21	46408093		0.186401	2.168563	0.031499	0.92242
cg12687090	chr4	17634096		-0.31257	-2.16726	0.0316	0.922462
cg07895186	chr10	1.19E+08		-0.139	-2.16591	0.031704	0.922857
cg24001477	chr11	31531492		0.159926	2.169775	0.031406	0.921533
cg00378510	chr19	2291020		0.451939	2.165125	0.031766	0.922985
cg23911291	chr6	33288572		0.327128	2.168195	0.031528	0.92242
cg02613871	chr1	45097931		-0.2285	-2.1707	0.031334	0.921102
cg11973688	chr9	1.31E+08		0.178502	2.168994	0.031466	0.92221
cg18617219	chr2	1.22E+08		-0.40648	-2.16792	0.031549	0.92242
cg14209344	chr4	87886892		0.319993	2.172157	0.031222	0.920745
ch.11.60893640F	chr11	61137064		0.316922	2.16626	0.031677	0.922831
cg07385501	chr16	30913935		-0.22081	-2.16477	0.031793	0.923064
cg11377313	chr11	63706491		-0.18845	-2.16936	0.031438	0.921986
cg17707274	chr11	1.02E+08		0.381785	2.1663	0.031674	0.922831
cg15022354	chr12	1.19E+08		-0.33493	-2.16789	0.031551	0.922425
cg14947466	chr11	2583705		-0.17662	-2.16362	0.031883	0.923131
cg18215726	chr13	24896584		-0.32186	-2.16565	0.031724	0.922857
cg13787193	chr1	2.03E+08		-0.19985	-2.16513	0.031766	0.922985

cg05639522	chr1	2.48E+08		0.278709	2.167578	0.031575	0.922462
cg08686425	chr11	67722909		0.193681	2.167331	0.031594	0.922462
cg14521508	chr17	80056159	ENSG00000263053	0.177182	2.168259	0.031523	0.92242
cg06646276	chr16	29857097		0.260231	2.166479	0.03166	0.922831
cg20506659	chr6	33132943	RGL2;BAK1;PHF1;RPS18;SYNGAP1;GRM4;WDR46	-0.26688	-2.16498	0.031777	0.923033
cg12894336	chr3	47823524		0.149437	2.167945	0.031547	0.92242
cg27033418	chr13	28492669		0.249371	2.169734	0.031409	0.921533
cg20048521	chr6	74072242		0.388801	2.167946	0.031547	0.92242
cg24422826	chr8	6637732		-0.25642	-2.16816	0.03153	0.92242
cg09502502	chr1	1.1E+08		0.344249	2.166396	0.031667	0.922831
cg25189429	chr13	21277706		-0.15102	-2.16826	0.031522	0.92242
cg02146453	chr8	37620111		-0.1484	-2.1684	0.031511	0.92242
cg02064724	chr14	74179953	LTBP2	0.405088	2.173592	0.031112	0.920745
cg09695033	chr2	29337988		-0.21247	-2.17217	0.031221	0.920745
cg09437808	chr5	1.76E+08		0.211696	2.166184	0.031683	0.922857
cg07539180	chr7	1.13E+08		-0.41257	-2.16861	0.031496	0.92242
cg09690040	chr3	1.27E+08		0.289176	2.162762	0.03195	0.923131
cg08597205	chr1	1.57E+08		-0.27696	-2.16452	0.031813	0.923064
cg18739166	chr3	3866752	TRNT1	0.217591	2.167405	0.031589	0.922462
cg08860119	chr8	1.44E+08		-0.14289	-2.17112	0.031302	0.92106
cg26845946	chr5	2137653		0.295711	2.165511	0.031736	0.922857
cg14081995	chr12	1.21E+08		-0.25169	-2.16676	0.031639	0.922594
cg21295811	chr6	1.13E+08		-0.32024	-2.1662	0.031682	0.922857

cg14079578	chr9	1.34E+08		0.223461	2.167952	0.031546	0.92242
cg00452530	chr13	46543059		-0.36397	-2.16354	0.031889	0.923131
cg03172651	chr20	13201655		-0.18184	-2.16593	0.031703	0.922857
cg01012244	chr7	1.27E+08		0.225233	2.165256	0.031755	0.922904
cg20366458	chr12	56756561		0.320499	2.168092	0.031535	0.92242
cg15456821	chr11	61717225	FADS1;RAB3IL1;LRRN4CL	0.210808	2.169394	0.031435	0.921986
cg15097876	chr10	71993604		0.202001	2.16556	0.031732	0.922857
cg12055220	chr11	1.29E+08		0.373977	2.165632	0.031726	0.922857
cg12786548	chr10	1.03E+08		0.259423	2.16536	0.031747	0.922857
cg18807485	chr12	1.14E+08		0.25106	2.165107	0.031767	0.922985
cg01173186	chr6	24126221		0.336491	2.166593	0.031652	0.922771
cg06698093	chr8	67026880		0.362997	2.166007	0.031697	0.922857
cg04860664	chr1	43136315		0.232294	2.168021	0.031541	0.92242
cg06198398	chr18	44526707		0.448585	2.163923	0.031859	0.923131
cg03521696	chr6	29795595		0.418928	2.165394	0.031745	0.922857
cg13223803	chr1	2.45E+08		0.292238	2.166473	0.031661	0.922831
cg14095983	chr9	71737204		-0.16151	-2.16761	0.031572	0.922462
cg13003513	chr7	3074533		-0.18954	-2.17098	0.031313	0.921102
cg09056309	chr8	37594104		-0.17702	-2.16422	0.031836	0.923064
cg14676592	chr16	49910862	ADCY7	0.214393	2.163609	0.031884	0.923131
cg13751012	chr14	99848890	HHIPL1	0.345789	2.168264	0.031522	0.92242
cg16640599	chr4	1.2E+08		0.301691	2.165504	0.031736	0.922857
cg03605454	chr4	1.51E+08		-0.30155	-2.16585	0.031709	0.922857
cg08263140	chr1	32864238		0.245842	2.16679	0.031636	0.922594

cg02671711	chr17	78882200	BAIAP2	0.218262	2.164752	0.031795	0.923064
cg13626585	chr7	1847613	PSMG3-AS1;IQCE	-0.13865	-2.16641	0.031666	0.922831
cg26719549	chr12	76742285		0.219203	2.165884	0.031707	0.922857
cg09940476	chr16	89224261		0.300742	2.164627	0.031804	0.923064
cg26620242	chr5	5340467		0.274983	2.168023	0.031541	0.92242
cg03403215	chr10	1.34E+08		-0.16448	-2.16775	0.031562	0.922462
cg19026817	chr20	56782259	STX16;ATP5E;VAPB;CTSZ	-0.16045	-2.16631	0.031674	0.922831
cg10904858	chr10	95758137	FRA10AC1	-0.23352	-2.16207	0.032004	0.923131
cg03411133	chr17	58256027		-0.26281	-2.16512	0.031766	0.922985
cg10760209	chr15	62986915		0.32654	2.166978	0.031622	0.922462
cg00000321	chr8	41167802		0.299795	2.161686	0.032034	0.923148
cg25917423	chr2	1.32E+08		0.256952	2.162931	0.031937	0.923131
cg22395490	chr4	77506779		0.344659	2.162635	0.03196	0.923131
cg04622176	chr10	1.22E+08		-0.15484	-2.16559	0.031729	0.922857
cg19571715	chr15	28202759		-0.26524	-2.16779	0.031559	0.922462
cg11535954	chr13	99174609		-0.27491	-2.16179	0.032026	0.923148
cg11147724	chr7	1.57E+08		-0.28102	-2.16592	0.031704	0.922857
cg19289767	chr4	25314290		-0.17928	-2.16441	0.031821	0.923064
cg00228118	chr9	1.1E+08		-0.23097	-2.1659	0.031705	0.922857
cg13057174	chr1	10857091		-0.19018	-2.16784	0.031555	0.922462
cg15064964	chr2	2.39E+08	HES6	0.335897	2.171985	0.031236	0.920825
cg09620718	chr16	20702872		-0.30576	-2.16955	0.031423	0.921827
cg04110708	chr17	12891573		-0.20823	-2.1642	0.031838	0.923064
cg23319289	chr14	82292196		-0.36992	-2.16465	0.031802	0.923064

cg07386190	chr1	1.82E+08		-0.12557	-2.16701	0.03162	0.922462
cg05942964	chr13	50962761		-0.34126	-2.16926	0.031445	0.922104
cg11468819	chr5	4942612		0.319376	2.16269	0.031956	0.923131
cg07917031	chr1	2.33E+08		0.2401	2.163536	0.03189	0.923131
cg11052922	chr11	1.17E+08		-0.32022	-2.1649	0.031783	0.923044
cg15753746	chr2	1.72E+08	GAD1	0.49376	2.163926	0.031859	0.923131
cg16538359	chr7	47590825		-0.19062	-2.16552	0.031735	0.922857
cg19678730	chr12	9280567		-0.27647	-2.16428	0.031832	0.923064
cg01569601	chr21	46811242		0.27986	2.16436	0.031825	0.923064
cg19610370	chr15	41166042		-0.13315	-2.16439	0.031823	0.923064
cg17377797	chr12	55714289		-0.42261	-2.1657	0.031721	0.922857
cg21793437	chr12	2734591	FKBP4	0.26243	2.168428	0.031509	0.92242
cg15691099	chr7	65866849	TPST1;INTS4L2	-0.18407	-2.16438	0.031824	0.923064
cg12495731	chr17	80696071		-0.22813	-2.16758	0.031575	0.922462
cg04262465	chr14	1.01E+08		0.37788	2.165278	0.031754	0.922904
cg18670258	chr6	32383424		-0.25196	-2.1654	0.031744	0.922857
cg03593419	chr4	46995474		-0.24243	-2.16399	0.031854	0.923131
cg01173611	chr11	59436746		-0.14926	-2.1669	0.031628	0.922482
cg04567140	chr1	31000432		0.381324	2.16263	0.03196	0.923131
cg05333968	chr4	1.88E+08	SORBS2	-0.3709	-2.16244	0.031975	0.923131
cg04635334	chr16	3210225	IL32	0.510171	2.162896	0.03194	0.923131
cg05345154	chr19	2250901		0.499363	2.160583	0.032121	0.923628
cg08589214	chr2	2.42E+08	GPC1;ENSG00000218416	0.378782	2.162525	0.031969	0.923131
cg18442992	chr13	24614176		-0.35084	-2.16217	0.031996	0.923131

cg21610069	chr15	33484389		-0.32664	-2.16275	0.031951	0.923131
cg05992875	chr8	1.45E+08		-0.23021	-2.16508	0.031769	0.922985
cg26650987	chr5	60458349		-0.16734	-2.16431	0.031829	0.923064
cg26063962	chr5	60907320		-0.20194	-2.16454	0.031811	0.923064
cg07154754	chr12	1.33E+08		0.265104	2.165399	0.031744	0.922857
cg25996571	chr11	60232654		0.353695	2.167339	0.031594	0.922462
cg24481303	chr7	1.58E+08		-0.35145	-2.1661	0.03169	0.922857
cg23967474	chr6	90525844		0.316268	2.162683	0.031956	0.923131
cg01131100	chr14	1.01E+08		-0.22827	-2.1642	0.031837	0.923064
cg04252762	chr1	1.65E+08	PBX1	-0.31785	-2.16373	0.031874	0.923131
cg11490944	chr10	1.03E+08		0.23539	2.167187	0.031605	0.922462
cg02409815	chr11	69589122		0.257819	2.161479	0.032051	0.923148
cg04578193	chr1	1.51E+08		-0.16922	-2.1621	0.032002	0.923131
cg07148743	chr5	891451	ENSG00000232615	0.22839	2.164662	0.031802	0.923064
cg00029831	chr8	1.46E+08		-0.16258	-2.1626	0.031963	0.923131
cg19881032	chr22	38479332		-0.24686	-2.16738	0.031591	0.922462
cg24837084	chr12	1.22E+08	MORN3;LRRC43;KDM2B;WDR66;TMEM120B	-0.31578	-2.16195	0.032014	0.923148
cg07886142	chr5	1.27E+08		-0.19408	-2.16182	0.032024	0.923148
cg12940473	chr4	1.55E+08		-0.24941	-2.16594	0.031702	0.922857
cg18524934	chr2	97164073		0.319169	2.163754	0.031873	0.923131
cg13718369	chr2	19946867		-0.24247	-2.16373	0.031875	0.923131
cg21404108	chr3	43769400		0.265406	2.164683	0.0318	0.923064
cg17943995	chr1	18617630		0.315963	2.166996	0.03162	0.922462

cg01712700	chr2	2.42E+08		0.362584	2.163074	0.031926	0.923131
cg07011318	chr16	2054944	PKD1;TSC2	-0.23395	-2.16381	0.031868	0.923131
cg16412609	chr16	31579805		0.466941	2.162199	0.031994	0.923131
cg24929258	chr13	64418345		-0.28326	-2.16611	0.031689	0.922857
cg03720390	chr6	28912126		0.374841	2.166043	0.031694	0.922857
cg20562678	chr13	28369080		0.270119	2.169071	0.03146	0.92221
cg13385568	chr11	1.34E+08	ENSG00000255945;B3GAT1	-0.27199	-2.16453	0.031812	0.923064
cg08473456	chr1	1.51E+08		-0.15645	-2.16369	0.031877	0.923131
cg04882222	chr1	3303301		-0.21106	-2.16005	0.032163	0.923973
cg19594923	chr4	1.47E+08		0.286294	2.159781	0.032184	0.924031
cg27107171	chr5	1.2E+08		0.24645	2.164491	0.031815	0.923064
cg03061024	chr3	1.29E+08		-0.1864	-2.16495	0.031779	0.923033
cg13714299	chr16	31105660		-0.31495	-2.16575	0.031717	0.922857
cg17859187	chr1	1.68E+08		-0.36049	-2.16294	0.031936	0.923131
cg00002531	chr7	1.28E+08	ENSG00000271553	-0.16621	-2.16239	0.031979	0.923131
cg20247486	chr1	1.2E+08		0.262571	2.16416	0.031841	0.923064
cg25405145	chr19	51142580		0.223632	2.162987	0.031932	0.923131
cg05375699	chr1	3245451		0.239554	2.162911	0.031938	0.923131
cg12164973	chr6	1.36E+08		0.341178	2.161448	0.032053	0.923148
cg25782256	chr10	1.35E+08		-0.31304	-2.15915	0.032234	0.924031
cg12641047	chr11	75110500		-0.17443	-2.16364	0.031881	0.923131
cg07281125	chr6	1.67E+08		-0.44508	-2.1633	0.031908	0.923131
cg00210994	chr3	99594893		0.317989	2.160372	0.032138	0.923628
cg06032344	chr7	92158437		0.240462	2.164964	0.031778	0.923033

cg03259292	chr10	88162925		0.288223	2.163403	0.0319	0.923131
cg24618739	chr10	25154684		-0.25885	-2.1639	0.031861	0.923131
cg11363972	chr11	2465249		0.182314	2.160666	0.032114	0.923628
cg23056437	chr7	99630899		0.234033	2.162389	0.031979	0.923131
cg04422024	chr14	73524288	CCDC176;DNAL1;PNMA1;FAM161B;NUMB;ELMSAN1	0.424264	2.16398	0.031855	0.923131
cg16263653	chr3	33116782		0.240675	2.159924	0.032173	0.923973
cg05590053	chr8	1.21E+08		0.325456	2.164056	0.031849	0.923131
cg14379965	chr2	1.5E+08		0.421277	2.164186	0.031839	0.923064
cg20102080	chr17	1359383		-0.19844	-2.16175	0.03203	0.923148
cg09261816	chr11	61530655	RAB3IL1;LRRN4CL;AHNAK;FADS3	-0.28359	-2.1646	0.031806	0.923064
cg18366108	chr5	226170		-0.27188	-2.16173	0.032031	0.923148
cg11921539	chr11	1.16E+08		-0.18207	-2.16413	0.031844	0.923079
cg11400774	chr1	1.56E+08		0.290437	2.161245	0.032069	0.923219
cg17515462	chr1	1.1E+08		0.227545	2.161648	0.032037	0.923148
cg22496102	chr15	78632677	CRABP1	0.622593	2.162926	0.031937	0.923131
cg19830848	chr14	20948815		-0.24965	-2.1601	0.032159	0.923973
cg23281012	chr11	1.19E+08		0.295376	2.165388	0.031745	0.922857
cg22786115	chr11	65431005	EHD1	-0.16475	-2.16555	0.031733	0.922857
cg25597894	chr1	18436734		0.274439	2.161303	0.032064	0.923203
cg01380747	chr3	1.28E+08		-0.20846	-2.16103	0.032086	0.923523
cg08831999	chr22	22901697	IGLV3-25;IGLV3-21;SDF2L1;IGLC3	0.504956	2.15969	0.032191	0.924031

cg20934596	chr22	31481480		0.209902	2.165456	0.03174	0.922857
cg12037493	chr13	1.11E+08		0.371428	2.162844	0.031944	0.923131
cg01871695	chr7	1.28E+08	SMO	0.299864	2.161514	0.032048	0.923148
cg00100804	chr9	1.24E+08		0.361132	2.16222	0.031993	0.923131
cg05260077	chr21	37531890	DOPEY2	0.398464	2.169049	0.031461	0.92221
cg00819362	chr19	36524208		0.224404	2.160039	0.032164	0.923973
cg04707217	chr10	1.34E+08		-0.33398	-2.16321	0.031915	0.923131
cg06922155	chr5	889617		0.248092	2.159378	0.032216	0.924031
cg14781922	chr1	3568124		0.221943	2.164376	0.031824	0.923064
cg22847870	chr4	3378207	RNF4	0.238219	2.162509	0.03197	0.923131
cg10099047	chr7	1.29E+08	CEP41;SMO;NRF1;KLHDC10;UBE2H;SMKR1;FLNC;TSPAN33;IRF5;TPI1P2	0.285389	2.162058	0.032005	0.923131
cg19006060	chr12	15374609		0.215568	2.162841	0.031944	0.923131
cg27572038	chr13	44139725		-0.3292	-2.16258	0.031964	0.923131
ch.15.1428309R	chr15	85225048		0.226957	2.168605	0.031496	0.92242
cg27241044	chr13	23499838		0.391301	2.164541	0.031811	0.923064
ch.13.63716R	chr13	21732504		-0.31251	-2.16003	0.032164	0.923973
cg26039962	chr3	1.3E+08		-0.17948	-2.16032	0.032141	0.923628
cg00366505	chr16	88636230		0.218537	2.16	0.032167	0.923973
cg26009029	chr19	10762098		0.243266	2.162683	0.031956	0.923131
cg02832322	chr12	1.33E+08		-0.26447	-2.16289	0.03194	0.923131
cg15072306	chr17	43922875		0.245849	2.159693	0.032191	0.924031

cg11141561	chr5	1.34E+08		-0.13851	-2.16214	0.031999	0.923131
cg12604858	chr6	38061902		0.215444	2.164242	0.031834	0.923064
cg10660426	chr8	62825339		0.264879	2.16307	0.031926	0.923131
cg04778271	chr2	2.2E+08		-0.18273	-2.16208	0.032003	0.923131
cg17848531	chr2	1.83E+08		0.207302	2.166265	0.031677	0.922831
cg06830500	chr14	60974461	SIX1;MNAT1;PCNXL4;SIX4;SLC38A6;PRKCH;C14orf39;CCDC175	0.342963	2.163104	0.031923	0.923131
cg20382344	chr1	2.05E+08		-0.30988	-2.16052	0.032126	0.923628
cg09276739	chr6	31588427		0.274032	2.162418	0.031977	0.923131
cg15232798	chr5	1.68E+08		0.225934	2.162207	0.031993	0.923131
cg10769891	chr3	37034730		-0.25168	-2.16046	0.032131	0.923628
cg19178853	chr4	1.74E+08		0.201513	2.15928	0.032224	0.924031
cg25657752	chr17	48201530	ABI3;FAM117A;ENSG00000248954;EPN3	-0.21575	-2.16084	0.032101	0.923628
cg27203558	chr11	73882172		-0.23222	-2.16315	0.031919	0.923131
cg00036258	chr16	4029218		0.295764	2.165559	0.031732	0.922857
cg20851097	chr14	65289835	RPL21P8;ENSG00000259118	-0.19098	-2.16329	0.031909	0.923131
cg06481158	chr13	49549440		-0.27528	-2.16075	0.032107	0.923628
cg26221494	chr8	575388		-0.22596	-2.16394	0.031858	0.923131
cg01012134	chr5	1.3E+08		0.269087	2.161598	0.032041	0.923148
cg16237529	chr16	900745	HBA2	-0.21634	-2.16146	0.032052	0.923148
cg02383323	chr2	1895701		-0.27064	-2.16171	0.032032	0.923148

cg25182523	chr1	1.85E+08	HMCN1;EDEM3	0.279968	2.164889	0.031784	0.923044
cg08151623	chr16	3242737	ABCA17P	0.421562	2.158908	0.032253	0.924031
cg08182594	chr14	83784904		0.321533	2.164989	0.031776	0.923033
cg07886581	chr6	14475789		-0.20416	-2.15769	0.032349	0.924821
cg14106632	chr19	7895393	CD209	-0.18709	-2.16154	0.032046	0.923148
cg00653960	chr1	12123313		0.255484	2.161417	0.032055	0.923148
cg20845835	chr1	2.17E+08		0.32365	2.158451	0.032289	0.924031
cg15591276	chr7	1265851		0.340813	2.161282	0.032066	0.923203
cg03741862	chr17	63225392	AXIN2	-0.29598	-2.16342	0.031898	0.923131
cg15844005	chr1	1472079		0.21654	2.163414	0.031899	0.923131
cg16518986	chr7	1.58E+08		-0.19259	-2.16218	0.031996	0.923131
cg11094248	chr17	38494580	THRA;GSDMB;TOP2A;CASC3;IGFBP4	-0.20475	-2.16539	0.031745	0.922857
cg22814929	chr6	26458213	BTN2A3P	-0.19939	-2.15883	0.032259	0.924031
cg03225791	chr1	17046420		-0.21711	-2.15881	0.032261	0.924031
cg10524701	chr7	1.17E+08		0.30484	2.157855	0.032336	0.924747
cg00342743	chr10	76970673		-0.14941	-2.15854	0.032281	0.924031
cg18208998	chr6	28497338		-0.34943	-2.16078	0.032105	0.923628
cg00393417	chr16	8715627		-0.18011	-2.15835	0.032297	0.924058
cg07841877	chr1	1.82E+08		0.173954	2.163396	0.031901	0.923131
cg13961202	chr9	1.4E+08		0.213063	2.16172	0.032032	0.923148
cg21703682	chr18	33078285		0.263597	2.167593	0.031574	0.922462
cg23181950	chr14	65381464		-0.1737	-2.16286	0.031943	0.923131
cg10062874	chr14	91171058	TTC7B	0.27076	2.157651	0.032352	0.924835

cg07674304	chr16	78585546		-0.27	-2.16281	0.031947	0.923131
cg08724493	chr1	2.06E+08		0.286623	2.162349	0.031982	0.923131
cg06617341	chr2	1.77E+08		0.358591	2.161524	0.032047	0.923148
cg02479575	chr19	4769653		0.235549	2.160637	0.032117	0.923628
cg21535947	chr13	25875133		0.323218	2.157118	0.032394	0.925041
cg15617847	chr2	65215434		-0.17222	-2.15886	0.032256	0.924031
cg05283453	chr17	79659241		0.356975	2.159773	0.032185	0.924031
cg07069844	chr19	1617027	HMHA1	-0.28218	-2.15931	0.032221	0.924031
cg11689407	chr10	1.34E+08		0.201763	2.158103	0.032316	0.924309
cg00025680	chr2	45180560		0.23642	2.158569	0.03228	0.924031
cg17296729	chr18	55469509		-0.22664	-2.15835	0.032297	0.924058
cg07639963	chr12	77157760		0.128471	2.161389	0.032058	0.923149
cg18238236	chr16	86320980		-0.26139	-2.15924	0.032226	0.924031
cg02310454	chr6	39683778		-0.30691	-2.16251	0.03197	0.923131
cg03390211	chr16	325826		0.162921	2.16319	0.031917	0.923131
cg18654665	chr10	69898895		-0.231	-2.16122	0.032071	0.923219
cg11839682	chr12	1.31E+08	RIMBP2	-0.42039	-2.15688	0.032413	0.925041
cg14878913	chr12	25094089		-0.28356	-2.15875	0.032265	0.924031
cg15975217	chr4	1.41E+08		0.363403	2.161896	0.032018	0.923148
cg22007110	chr7	30737599		-0.2548	-2.15536	0.032534	0.925371
cg09793883	chr1	91300559		0.227638	2.158775	0.032263	0.924031
cg23573526	chr4	7754465		-0.27515	-2.15757	0.032359	0.924882
cg22517653	chr1	2918612		-0.34789	-2.15692	0.03241	0.925041
cg12420472	chr1	1.45E+08		-0.23791	-2.16036	0.032139	0.923628
cg08779067	chr7	99141099	ENSG00000242687	-0.31934	-2.15667	0.03243	0.925041

cg06368093	chr19	58513526	ZNF418;ZNF154;ZSCAN1;ZNF135;ZNF671;ENSG00000176593;ZIK1;ZSCAN18;ZNF549	0.349515	2.160811	0.032103	0.923628
cg06710648	chr1	58716377		0.280497	2.160596	0.03212	0.923628
cg17822266	chr1	2720087		0.225891	2.161944	0.032014	0.923148
cg24327803	chr21	27108210		-0.22088	-2.15938	0.032216	0.924031
cg22709307	chr20	982768		0.290277	2.160358	0.032139	0.923628
cg22633932	chr4	1.4E+08		-0.2516	-2.15687	0.032414	0.925041
cg00051782	chr3	1.94E+08		0.194093	2.160165	0.032154	0.923925
cg24123198	chr4	1.84E+08		-0.2882	-2.15691	0.032411	0.925041
cg15285217	chr17	4425752		-0.25476	-2.15955	0.032202	0.924031
cg10529075	chr2	1.01E+08		-0.18667	-2.15828	0.032302	0.924077
cg05326140	chr4	1.46E+08		-0.22808	-2.15858	0.032279	0.924031
cg14095850	chr21	45196584		-0.17886	-2.15954	0.032203	0.924031
cg16144345	chr10	1.04E+08		-0.30653	-2.15955	0.032202	0.924031
cg13341441	chr13	44824424		-0.28336	-2.16089	0.032097	0.923628
cg14046664	chr6	33176513		-0.17386	-2.1573	0.03238	0.925022
cg14245910	chr7	1.3E+08	ENSG00000271204;ENSG00000233559;ENSG00000273319;LINC-PINT	0.174933	2.158149	0.032313	0.924268
cg01022012	chr2	2.33E+08	ARMC9	0.25964	2.161444	0.032053	0.923148
cg04081835	chr3	1.61E+08		0.318057	2.161182	0.032074	0.923244

cg00508950	chr12	1.33E+08		-0.30724	-2.15582	0.032497	0.925214
cg04421973	chr3	64670907		-0.23821	-2.15993	0.032173	0.923973
cg16925003	chr2	1684003		-0.2981	-2.15869	0.03227	0.924031
cg07785006	chr7	52342265		0.567402	2.156153	0.032471	0.92509
cg00429081	chr19	10764351		0.166383	2.158319	0.032299	0.924068
cg01215211	chr2	1.74E+08		-0.22461	-2.15952	0.032205	0.924031
cg05278256	chr22	26137980		0.210085	2.156991	0.032404	0.925041
cg24911123	chr19	38085748		0.147467	2.156715	0.032426	0.925041
cg24750627	chr6	1.44E+08		0.197168	2.15677	0.032422	0.925041
cg22921579	chr10	99161172		0.180031	2.161284	0.032066	0.923203
cg21765224	chr20	34359771		0.152718	2.155941	0.032488	0.925214
cg11518349	chr1	2.47E+08	ZNF670	0.356847	2.160831	0.032101	0.923628
cg03939875	chr1	46016565		0.174739	2.159081	0.032239	0.924031
cg19789392	chr11	61099826		-0.21114	-2.15993	0.032173	0.923973
cg16744911	chr10	1.02E+08	C10orf2;SFXN3;SLC25A28	0.245071	2.158405	0.032292	0.924058
cg00549451	chr1	1.61E+08	ARHGAP30	0.379406	2.155829	0.032496	0.925214
cg18573383	chr12	75603401		0.375658	2.159246	0.032226	0.924031
cg01410316	chr7	971767		-0.27168	-2.16708	0.031614	0.922462
cg15278109	chr10	29214117	SVIL;MPP7	0.388801	2.162246	0.03199	0.923131
cg14276133	chr9	89061100		-0.3393	-2.15783	0.032338	0.924747
cg06418646	chr17	19140672		-0.13501	-2.15851	0.032284	0.924031
cg07151155	chr5	1473589		-0.25413	-2.15479	0.032579	0.925757
cg09679227	chr4	1.44E+08		-0.22796	-2.15961	0.032197	0.924031
cg24738924	chr2	1.22E+08		-0.33746	-2.15658	0.032436	0.925041

cg02036261	chr14	57276057		0.322283	2.155407	0.03253	0.925371
cg12311377	chr2	69091224		-0.26249	-2.15713	0.032393	0.925041
cg07733031	chr5	65018600		-0.21939	-2.16061	0.032119	0.923628
cg02599912	chr19	6472086		-0.22037	-2.1563	0.032459	0.92509
cg14655590	chr9	95993065	BICD2;FAM120AOS;CENPP	-0.24092	-2.16632	0.031673	0.922831
cg10024138	chr10	1.35E+08		-0.23805	-2.15546	0.032526	0.925371
cg21004604	chr17	4378085		-0.19955	-2.16042	0.032134	0.923628
cg25691167	chr7	19184961		0.349861	2.157437	0.032369	0.924887
cg27340057	chr4	2902126		0.187419	2.15859	0.032278	0.924031
cg17667145	chr13	97762132		0.228902	2.160996	0.032088	0.923539
cg24576985	chr2	1.12E+08	LINC01106	-0.35815	-2.15857	0.032279	0.924031
cg15517343	chr18	77240640		-0.3265	-2.15851	0.032284	0.924031
cg21207003	chr3	1.14E+08		0.339207	2.158499	0.032285	0.924031
cg06710785	chr10	83683829		-0.36344	-2.15558	0.032516	0.925371
cg11956052	chr19	49302618		-0.22488	-2.1566	0.032435	0.925041
cg06042148	chr8	97138161	ENSG00000253773;ENSG00000253872	-0.47773	-2.15536	0.032533	0.925371
cg13128305	chr8	95961759		0.13966	2.156263	0.032462	0.92509
cg20882455	chr6	1.08E+08		-0.21342	-2.15691	0.032411	0.925041
cg11069071	chr14	1.02E+08		-0.29777	-2.16065	0.032116	0.923628
cg24345147	chr1	2.43E+08		-0.2968	-2.15894	0.03225	0.924031
cg09159050	chr1	1563500	SKI	-0.41078	-2.1597	0.03219	0.924031
cg23784046	chr12	51346947		-0.24978	-2.15845	0.032289	0.924031
cg05062323	chr7	22590069		-0.21265	-2.15919	0.032231	0.924031

cg20617344	chr13	1.14E+08		-0.24351	-2.1555	0.032523	0.925371
cg13528445	chr4	57971925		0.252447	2.158885	0.032255	0.924031
cg21078198	chr7	6189918		0.237945	2.160801	0.032104	0.923628
cg26450188	chr19	46850188		0.172267	2.1549	0.03257	0.925606
cg11320910	chr8	11538786		0.201506	2.155845	0.032495	0.925214
cg12973365	chr21	38353318	DOPEY2	0.327841	2.164726	0.031797	0.923064
cg06708255	chr8	54570293		0.312506	2.15615	0.032471	0.92509
cg04359324	chr2	2.07E+08		0.267112	2.157232	0.032385	0.925041
cg06699638	chr8	37963308	ASH2L	-0.13541	-2.16048	0.032129	0.923628
cg24572137	chr3	1.29E+08	KIAA1257	-0.27163	-2.15668	0.032429	0.925041
cg07788204	chr9	1.16E+08	ZNF618	0.218973	2.166267	0.031677	0.922831
cg06737308	chr4	1.85E+08		0.671082	2.159371	0.032216	0.924031
cg06867623	chr14	1.01E+08	WARS	0.351276	2.154223	0.032624	0.926254
cg25473201	chr6	1.69E+08		-0.21767	-2.15637	0.032453	0.925072
cg00339769	chr6	24489855	GPLD1;ALDH5A1;DCDC2;KIAA0319;FAM65B	0.584804	2.158734	0.032267	0.924031
cg22717323	chr7	2094977		-0.45501	-2.16322	0.031914	0.923131
cg23180925	chr17	80753497		-0.17455	-2.15777	0.032342	0.924747
cg08658787	chr12	1.14E+08	OAS1;OAS2;SDS;OAS3	0.270172	2.155902	0.032491	0.925214
cg15412291	chr17	66244249		-0.16586	-2.16175	0.032029	0.923148
cg04799588	chr10	6263484		0.215336	2.156175	0.032469	0.92509
cg02533724	chr10	1.3E+08		1.573413	2.159104	0.032237	0.924031
cg11901362	chr2	3507404		0.288393	2.157008	0.032403	0.925041
cg14217399	chr8	64081098		-0.14994	-2.15972	0.032189	0.924031

cg20069738	chr19	59031425	ENSG00000176593	-0.20687	-2.16271	0.031954	0.923131
cg13358349	chr10	71211210	SAR1A	0.182096	2.155525	0.032521	0.925371
cg14689479	chr8	53326618		0.239543	2.157549	0.03236	0.924882
cg05927432	chr8	1.11E+08		-0.3291	-2.15615	0.032471	0.92509
cg14437072	chr8	1.44E+08		-0.30925	-2.15521	0.032546	0.925418
cg10762012	chr19	52511285		-0.23584	-2.15488	0.032572	0.925606
cg23145493	chr6	1.69E+08		-0.2697	-2.15953	0.032204	0.924031
cg16848624	chr7	45614290		0.220087	2.15796	0.032328	0.92457
cg11229457	chr12	42538627		-0.15596	-2.16035	0.032139	0.923628
cg25318296	chr13	1.01E+08		0.341366	2.157687	0.032349	0.924821
cg17506328	chr11	46868210		0.193481	2.157317	0.032378	0.925022
cg18930100	chr6	33280478		-0.23472	-2.15511	0.032554	0.925418
cg00647063	chr6	28510682		0.299301	2.157463	0.032367	0.924887
cg14566959	chr5	1.41E+08		0.414484	2.154272	0.03262	0.926254
cg10512020	chr12	69950496	ENSG00000257139	0.314508	2.155996	0.032483	0.925214
cg22815766	chr11	1.34E+08	JAM3;IGSF9B	0.222955	2.15638	0.032453	0.925072
cg16190266	chr14	38680855		0.264656	2.163163	0.031919	0.923131
cg07612986	chr3	44283035		-0.33143	-2.1544	0.03261	0.926198
cg11207385	chr4	15781202		0.272232	2.156467	0.032446	0.925041
cg13784443	chr2	80807289		-0.25548	-2.15646	0.032446	0.925041
cg01215442	chr19	18980443	PDE4C	0.241325	2.158548	0.032281	0.924031
cg01508415	chr19	50154607		0.166325	2.160367	0.032138	0.923628
cg03607359	chr5	1.76E+08		0.1935	2.161431	0.032054	0.923148
cg23041822	chr15	24917974		-0.33079	-2.15705	0.0324	0.925041
cg04436207	chr3	1.47E+08		0.315611	2.154476	0.032604	0.926091

cg00193963	chr7	29923832		0.275263	2.159233	0.032227	0.924031
cg14338425	chr8	1.2E+08		0.323048	2.155735	0.032504	0.925277
cg15169286	chr5	36417932	IL7R	-0.36796	-2.16146	0.032052	0.923148
cg03530962	chr3	58475833		-0.28383	-2.1531	0.032714	0.926832
cg02951971	chr14	50698663		0.160478	2.155946	0.032487	0.925214
cg26307355	chr7	73938543		-0.49764	-2.15901	0.032244	0.924031
cg00962147	chr16	6949843		-0.38531	-2.15282	0.032736	0.926923
cg07111441	chr1	47130423		0.307689	2.154886	0.032571	0.925606
cg02758899	chr3	1.26E+08		-0.21806	-2.15515	0.03255	0.925418
cg15606894	chr5	1.71E+08		-0.23716	-2.15454	0.032599	0.926081
cg04574480	chr12	5545007		0.199673	2.158532	0.032282	0.924031
cg09807229	chr1	1.79E+08		-0.16025	-2.15381	0.032657	0.926582
cg24469159	chr11	1.34E+08		-0.19978	-2.15689	0.032412	0.925041
cg03834947	chr15	65321822		-0.17689	-2.15684	0.032417	0.925041
cg19593600	chr6	1.35E+08		0.272516	2.158891	0.032254	0.924031
cg24867653	chr3	38306594		-0.24293	-2.15514	0.032551	0.925418
cg15132922	chr3	9974529		-0.27436	-2.15534	0.032535	0.925371
cg12796410	chr6	1.45E+08		0.206489	2.15335	0.032694	0.926582
cg26755141	chr6	1.01E+08		0.294583	2.156247	0.032463	0.92509
cg08565139	chr3	1.6E+08		-0.22001	-2.15913	0.032235	0.924031
cg09086714	chr8	30515923		0.189396	2.155209	0.032546	0.925418
cg12624031	chr2	1668758		-0.21252	-2.15746	0.032367	0.924887
cg06760169	chr7	73081893		-0.23657	-2.15291	0.032729	0.926923
cg26377242	chr5	1.49E+08		0.19279	2.158699	0.032269	0.924031
cg03607485	chr3	1E+08		0.20735	2.15778	0.032342	0.924747

cg26366480	chr10	1.03E+08	C10orf2	-0.18642	-2.15367	0.032668	0.926582
cg11204099	chr12	22777820		0.307312	2.163378	0.031902	0.923131
cg07388216	chr16	3415311		0.413571	2.155513	0.032522	0.925371
cg27300185	chr1	2.14E+08		0.253582	2.153846	0.032654	0.926582
cg15412971	chr4	956119	ZNF876P;LETM1	-0.38556	-2.1566	0.032435	0.925041
cg05008570	chr6	31129828		0.232992	2.156848	0.032416	0.925041
cg08162473	chr11	2160721		-0.24493	-2.15493	0.032568	0.925606
cg07333608	chr2	2.4E+08		-0.25253	-2.15469	0.032587	0.925923
cg18946117	chr2	1.5E+08		0.223849	2.155887	0.032492	0.925214
cg06849090	chr4	1.29E+08		0.268001	2.153082	0.032715	0.926832
cg27578760	chr1	1.57E+08	PEAR1	-0.24823	-2.15545	0.032526	0.925371
cg05163588	chr7	73498778		0.221758	2.153466	0.032684	0.926582
cg08275608	chr6	32940303		-0.17184	-2.15303	0.032719	0.926832
cg02467451	chr12	1.33E+08		-0.34363	-2.15197	0.032804	0.927
cg04783161	chr1	87586929	ENSG00000183291	-0.22592	-2.15679	0.03242	0.925041
cg17498662	chr6	41754992		-0.1645	-2.15724	0.032385	0.925041
cg22746182	chr8	41749867		0.232878	2.155864	0.032494	0.925214
cg24983539	chr11	99975877		-0.31798	-2.15394	0.032646	0.926556
cg09014354	chr12	55413878		0.338226	2.156611	0.032434	0.925041
cg23066139	chr10	1.34E+08		-0.24161	-2.15384	0.032655	0.926582
cg25994725	chr6	35703435	SRPK1;CDKN1A;STK38	-0.29476	-2.15341	0.032689	0.926582
cg08812235	chr7	23397533		0.26339	2.154244	0.032623	0.926254
cg08923349	chr11	14376795		-0.285	-2.15349	0.032683	0.926582
cg05297956	chr14	39836636		0.323155	2.153374	0.032692	0.926582

cg08347042	chr19	45579378		0.162893	2.153532	0.032679	0.926582
cg12531972	chr7	1.34E+08		0.284216	2.155503	0.032522	0.925371
cg01715686	chr13	1.13E+08	PROZ	-0.19643	-2.1529	0.03273	0.926923
cg24553775	chr2	1.75E+08		-0.38209	-2.15335	0.032694	0.926582
cg19786751	chr12	1.1E+08	ENSG00000257221	0.229915	2.15396	0.032645	0.926556
cg00911326	chr17	45723587	HOXB-AS2;HOXB4;HOXB3;COPZ2;TBKBP1;PRR15L;MIR10A;LRRC46;HOXB6	-0.40003	-2.15868	0.032271	0.924031
cg11050988	chr7	1952600	PSMG3;GPR146;CYP2W1	0.276622	2.162138	0.031999	0.923131
cg00394180	chr8	97167170		0.254361	2.151563	0.032837	0.927186
cg13371740	chr1	2.13E+08		-0.17963	-2.15929	0.032223	0.924031
cg07427945	chr17	45973527		0.2618	2.153913	0.032649	0.926565
cg10484107	chr16	2281688	IL32;PRSS22;CLDN9	-0.23905	-2.15272	0.032744	0.926923
cg23201817	chr19	40007922	MAP4K1;PLEKHG2	-0.27292	-2.1518	0.032817	0.927
cg21030022	chr3	37876408		0.220845	2.151984	0.032803	0.927
cg11597277	chr20	52492248		-0.30452	-2.15826	0.032304	0.924077
cg25906435	chr7	2123600		0.180315	2.153347	0.032694	0.926582
cg13008538	chr7	3083741	CARD11	-0.3045	-2.15361	0.032673	0.926582
cg05094137	chr16	53125208		0.363108	2.159448	0.03221	0.924031
cg24384034	chr11	70858463		-0.31146	-2.1532	0.032705	0.92673
cg02963114	chr12	26348437		0.17606	2.151814	0.032816	0.927
cg05638426	chr3	12878574	MKRN2	0.231615	2.157593	0.032357	0.924882

cg13372293	chr2	2.04E+08		0.461359	2.150612	0.032913	0.927531
cg11251554	chr19	54204562		0.248664	2.151325	0.032856	0.927321
cg02532341	chr3	10399439	HRH1;FANCD2	-0.25236	-2.15575	0.032503	0.925277
cg09131332	chr22	50482045		0.433973	2.152162	0.032789	0.927
cg19703946	chr2	1.2E+08		0.236815	2.154611	0.032593	0.926033
cg17900356	chr3	53190593		-0.30037	-2.15043	0.032928	0.927607
cg09121772	chr10	1.32E+08		-0.29599	-2.15189	0.03281	0.927
cg11221047	chr8	1.05E+08		-0.21535	-2.15437	0.032612	0.926206
cg00255405	chr1	1.79E+08		0.280793	2.155441	0.032527	0.925371
cg24422900	chr19	19753746	ZNF101	-0.39195	-2.15251	0.032761	0.926951
cg13008879	chr14	21852452		-0.1662	-2.15428	0.03262	0.926254
cg21910673	chr3	24143257	UBE2E1	-0.31232	-2.15246	0.032765	0.926951
cg17667595	chr13	1.13E+08		0.431251	2.15644	0.032448	0.925041
cg03335125	chr1	46088541		0.214023	2.153651	0.03267	0.926582
cg10950723	chr6	31645677		0.188625	2.15142	0.032848	0.927321
cg17145806	chr1	6295537	ACOT7	0.224189	2.151407	0.032849	0.927321
cg13151664	chr3	1.24E+08	MUC13;KALRN	-0.32226	-2.15364	0.032671	0.926582
cg25254825	chr12	1.29E+08		0.282245	2.155842	0.032495	0.925214
cg00197636	chr8	57906363		-0.15302	-2.1513	0.032858	0.927321
cg06522288	chr8	77586439		0.271278	2.153188	0.032707	0.92673
cg14215464	chr12	1.14E+08		-0.17952	-2.1513	0.032857	0.927321
cg08926642	chr1	7887455		0.588013	2.153058	0.032717	0.926832
cg22373392	chr17	45973408		-0.22697	-2.15534	0.032535	0.925371
cg21783442	chr1	2.02E+08		0.299206	2.152466	0.032764	0.926951
cg00600916	chr7	1.59E+08	LINC00689	-0.22546	-2.15412	0.032633	0.926414

cg22318551	chr6	88061115		0.25626	2.150727	0.032904	0.927515
cg18708460	chr6	1E+08		0.179152	2.152371	0.032772	0.926951
cg25184754	chr2	2.39E+08		-0.23401	-2.15161	0.032832	0.927159
cg18071071	chr4	1558451		-0.33378	-2.15331	0.032697	0.926582
cg03242666	chr17	15168570	PMP22;ADORA2B;TRIM16	-0.20778	-2.15748	0.032366	0.924887
cg14847688	chr14	59932113		0.181941	2.152592	0.032754	0.926951
cg11731745	chr6	32166772		-0.30937	-2.14997	0.032965	0.927948
cg01823416	chr1	47082372	MOB3C;CCDC17;ENSG00000236476;CYP4B1	-0.15128	-2.15054	0.032918	0.927565
cg22877480	chr6	44355161		0.291562	2.150912	0.032889	0.927515
cg16517114	chr6	32937355		-0.19534	-2.15734	0.032377	0.925022
cg06566534	chr5	1.4E+08		0.186348	2.150758	0.032901	0.927515
cg20724680	chr19	49000743		0.383687	2.155233	0.032544	0.925418
cg10979020	chr14	23425983		-0.19005	-2.15451	0.032601	0.926081
cg04992704	chr1	6304361		0.207106	2.156467	0.032446	0.925041
cg21012296	chr20	21502728		0.285473	2.149027	0.03304	0.92849
cg08643618	chr1	1189466		0.274569	2.153395	0.03269	0.926582
cg25351653	chr19	16917553		-0.26246	-2.1501	0.032954	0.927895
cg15264610	chr18	34857935		0.283845	2.149672	0.032988	0.92819
cg15213988	chr17	4997134		-0.19543	-2.15236	0.032773	0.926951
cg25095814	chr2	2.02E+08	CASP10;CASP8;ALS2CR11;NDUFB3;FZD7;TMEM237	-0.5271	-2.15499	0.032563	0.925606
cg08630055	chr12	1.01E+08		-0.16072	-2.15212	0.032792	0.927

cg10892375	chr14	21944853		0.196764	2.156466	0.032446	0.925041
cg09910984	chr1	11596500		-0.27734	-2.15084	0.032895	0.927515
cg24807169	chr4	1.01E+08		-0.32242	-2.15287	0.032732	0.926923
cg01447254	chr11	429437		-0.18308	-2.15011	0.032953	0.927895
cg09068520	chr17	3374904		-0.32117	-2.15261	0.032753	0.926951
cg10488476	chr17	48133676		-0.23501	-2.15189	0.03281	0.927
cg05005217	chr8	25317638		0.344599	2.15082	0.032896	0.927515
cg24683121	chr2	9698980		-0.24119	-2.15364	0.03267	0.926582
cg19628686	chr6	33158503		-0.32524	-2.15528	0.03254	0.925418
cg18566177	chr6	1.34E+08	TCF21;EYA4;SGK1	-0.63479	-2.15398	0.032643	0.926556
cg01869955	chr8	1011835	ARHGEF10	0.231817	2.150938	0.032887	0.927515
cg05256041	chr22	18956815		-0.15218	-2.15108	0.032876	0.927515
cg00413403	chr5	1.54E+08		-0.26777	-2.1562	0.032467	0.92509
cg25149251	chr7	1E+08		-0.22593	-2.1551	0.032554	0.925418
cg24477640	chr19	8274103		0.17562	2.148558	0.033078	0.92849
cg21147890	chr2	2.3E+08		0.198884	2.154551	0.032598	0.926081
cg12908517	chr5	64064244		-0.29859	-2.15241	0.032769	0.926951
cg22037077	chr21	19191843		-0.16107	-2.15151	0.032841	0.927203
cg18767057	chr17	76175611	TIMP2;SEC14L1;C1QTNF1	0.241286	2.149837	0.032975	0.928089
cg16626670	chr19	7797031	MYO1F	0.249891	2.148774	0.033061	0.92849
cg08092863	chr12	53688252		-0.22669	-2.14917	0.033029	0.928416
cg03797139	chr6	1.39E+08	HEBP2	-0.52007	-2.1525	0.032762	0.926951
cg13853894	chr10	34393934		-0.26266	-2.15215	0.03279	0.927
cg26283893	chr12	54332457		-0.1596	-2.15409	0.032635	0.926421

cg03875433	chr14	64010215		-0.27981	-2.15044	0.032927	0.927607
cg02022519	chr11	1.16E+08		0.144796	2.154214	0.032625	0.926254
cg04521004	chr3	1.58E+08		0.265304	2.149483	0.033004	0.928266
cg08026416	chr1	2.49E+08		-0.23006	-2.15203	0.032799	0.927
cg07310984	chr10	91087591		-0.26246	-2.15277	0.03274	0.926923
cg17598997	chr1	45672616		-0.26459	-2.15357	0.032676	0.926582
cg11916195	chr7	1.31E+08		0.264192	2.150754	0.032901	0.927515
cg23202058	chr4	1.85E+08		0.230917	2.149986	0.032963	0.927948
ch.3.3303606F	chr3	1.7E+08		0.244712	2.152382	0.032771	0.926951
cg09028228	chr5	71618796		-0.19787	-2.15296	0.032725	0.926923
cg14526874	chr4	17348908		-0.30486	-2.15027	0.032941	0.927741
cg09523472	chr8	1.18E+08		0.236115	2.153544	0.032678	0.926582
cg09809567	chr12	1.04E+08		0.393373	2.151794	0.032818	0.927
cg16047490	chr17	73717197		-0.14212	-2.14943	0.033008	0.928266
cg02761960	chr18	77507709		-0.36366	-2.15077	0.0329	0.927515
cg06241901	chr6	43244304		0.264079	2.149825	0.032976	0.928089
cg14212447	chr2	2.26E+08		-0.23949	-2.15172	0.032824	0.927051
cg06700146	chr17	6926400	MIR497HG	0.248517	2.151065	0.032877	0.927515
cg00399591	chr16	18802159		0.536972	2.150546	0.032918	0.927565
cg22091110	chr18	5630348		0.248409	2.149502	0.033002	0.928266
cg24969187	chr12	1.33E+08		-0.23447	-2.14994	0.032967	0.927948
cg14509403	chr22	30476281	SMTN;UQCR10;PES1;MTMR3	0.362547	2.150249	0.032942	0.927741
cg02218496	chr2	1.73E+08	PDK1;ENSG00000225205	0.189499	2.15172	0.032824	0.927051

cg13760347	chr22	42343277		-0.16734	-2.15648	0.032445	0.925041
cg18086386	chr5	1.63E+08		-0.39435	-2.15273	0.032743	0.926923
cg11037134	chr19	3185679		-0.26707	-2.1534	0.03269	0.926582
cg18235465	chr10	73471634		-0.25419	-2.1484	0.033091	0.928551
cg00040427	chr19	14044197		0.262548	2.148641	0.033071	0.92849
cg13558061	chr22	22090124		-0.19425	-2.1507	0.032906	0.927526
cg16830545	chr17	17120324		0.24352	2.151549	0.032838	0.927186
cg25210451	chr6	72130407		-0.22157	-2.15099	0.032882	0.927515
cg27646885	chr12	1.27E+08		0.306233	2.147711	0.033146	0.928551
cg07202092	chr16	5084832		-0.38251	-2.1522	0.032786	0.927
cg03467726	chr1	22473159		-0.20967	-2.15197	0.032804	0.927
cg04982166	chr20	23549522		-0.30759	-2.15064	0.032911	0.927531
cg19627521	chr6	1.07E+08		0.181454	2.150369	0.032932	0.927607
cg10734581	chr14	1.02E+08	DEGS2	-0.29118	-2.15084	0.032894	0.927515
ch.11.1980478F	chr11	94597700		-0.35	-2.152	0.032802	0.927
cg22942571	chr19	48867246		0.165988	2.148623	0.033073	0.92849
cg02921634	chr21	43109546		-0.19238	-2.1512	0.032866	0.927496
cg08273640	chr4	6909718		0.28538	2.14823	0.033105	0.928551
cg13302994	chr2	2.11E+08		-0.38406	-2.15036	0.032933	0.927607
cg26545519	chr2	418075		-0.28771	-2.14943	0.033008	0.928266
cg17107364	chr8	65491906		0.246469	2.148544	0.033079	0.92849
cg05404792	chr16	56650847		0.197856	2.148616	0.033073	0.92849
cg24508561	chr11	1.1E+08		-0.31682	-2.14922	0.033025	0.928364
cg25207776	chr2	9960899		-0.28098	-2.15239	0.032771	0.926951
cg00775172	chr22	37601268		-0.21164	-2.14787	0.033133	0.928551

cg23742314	chr12	5282086		0.447291	2.152569	0.032756	0.926951
cg14797198	chr22	45403175		-0.20559	-2.14615	0.033273	0.929344
cg17590589	chr16	88788890		0.26956	2.151066	0.032876	0.927515
cg25370869	chr3	47450742	CCRL2	-0.21085	-2.14979	0.032979	0.928104
cg08315829	chr8	1.46E+08		-0.2161	-2.14926	0.033022	0.928364
cg05138403	chr14	93510791		-0.4933	-2.14816	0.03311	0.928551
cg06163216	chr11	534323		0.21992	2.147451	0.033167	0.928551
cg17282161	chr20	43977080		0.114787	2.152761	0.032741	0.926923
cg14752429	chr2	26569594		0.188262	2.146612	0.033235	0.928801
cg06123976	chr22	17489752		-0.17153	-2.14877	0.033061	0.92849
cg08049614	chr16	1172036		-0.15874	-2.15039	0.032931	0.927607
cg23584647	chr11	61717191		0.214791	2.148574	0.033077	0.92849
cg18144593	chr2	71116411		0.335562	2.147376	0.033174	0.928551
cg11141336	chr10	88702316		0.30736	2.148513	0.033082	0.92849
cg21847393	chr3	50383483		0.191792	2.151022	0.03288	0.927515
cg18776472	chr10	50732819		-0.2523	-2.15248	0.032763	0.926951
cg08727218	chr6	87832318		-0.36218	-2.15022	0.032944	0.927745
cg06617414	chr6	14211210		0.192301	2.148687	0.033068	0.92849
cg15078211	chr7	42265517		0.365823	2.156649	0.032431	0.925041
cg07866137	chr8	67579786		-0.16668	-2.14798	0.033124	0.928551
cg25580076	chr10	1.03E+08		-0.24986	-2.15215	0.032789	0.927
cg08543143	chr19	34262072		-0.20014	-2.14531	0.03334	0.929541
cg10821136	chr1	1.79E+08		-0.18958	-2.14818	0.033108	0.928551
cg24404479	chr15	99602366		0.150515	2.149714	0.032985	0.928157
cg15825692	chr1	85527943		0.192762	2.151131	0.032871	0.927515

cg02693870	chr16	55689324		0.278308	2.146718	0.033227	0.928781
cg00364357	chr15	64443650		0.204107	2.150816	0.032897	0.927515
cg04609801	chr16	28609176		-0.26644	-2.15221	0.032785	0.927
cg25416230	chr7	1.49E+08		-0.25275	-2.15188	0.032812	0.927
cg15475851	chr10	1.05E+08	SH3PXD2A	0.337453	2.146726	0.033226	0.928781
cg13972711	chr7	5391031		0.271541	2.149224	0.033024	0.928364
cg06066303	chr11	60197138		-0.18431	-2.14736	0.033175	0.928551
cg08118908	chr16	15787920		-0.28185	-2.14474	0.033387	0.929541
cg06786372	chr7	27141388	HOXA1;HOXA-AS2;HOXA3;NFE2L3;CBX3	0.287894	2.148252	0.033103	0.928551
cg16706099	chr11	1.01E+08	TMEM133;ARHGAP42	-0.47176	-2.14683	0.033218	0.928711
cg21097354	chr7	27179161		0.324928	2.145238	0.033347	0.929541
cg06811778	chr16	2230200		-0.23154	-2.14665	0.033232	0.928801
cg22434906	chr18	34409338		0.184411	2.152762	0.032741	0.926923
cg07411238	chr12	58022029	ARHGEF25;ARHGAP9;B4GALNT1	0.183724	2.151848	0.032814	0.927
cg20788020	chr8	1.06E+08		-0.46407	-2.14596	0.033288	0.929529
cg09083359	chr5	3854537		0.289602	2.145907	0.033292	0.929541
cg14263628	chr6	52284803		0.263662	2.149088	0.033035	0.928473
cg21410991	chr5	50678451	ISL1;ENSG00000259663	0.372574	2.145046	0.033362	0.929541
cg04344730	chr1	57575654		0.204375	2.150924	0.032888	0.927515
cg16690885	chr13	1.13E+08		-0.27636	-2.14711	0.033195	0.928551
cg19216162	chr20	35234231	SRC	-0.16298	-2.14709	0.033197	0.928551

cg04599158	chr7	1.42E+08		-0.35976	-2.14694	0.033208	0.928597
cg08154698	chr19	8274065		0.149406	2.147637	0.033152	0.928551
cg16562603	chr7	32529678		-0.2149	-2.14849	0.033083	0.92849
cg20178924	chr10	92680146		-0.30249	-2.14815	0.033111	0.928551
cg14063191	chr9	1.31E+08	LCN2;PKN3;ENG	0.418916	2.145693	0.03331	0.929541
cg14622857	chr15	21941432		-0.21068	-2.1475	0.033164	0.928551
cg21582325	chr12	1.21E+08	P2RX4	0.288426	2.150657	0.032909	0.927531
cg25267285	chr6	26235290		0.21354	2.151656	0.032829	0.927129
cg17740752	chr1	2529902		-0.22685	-2.14847	0.033085	0.92849
cg21052164	chr1	1.55E+08		0.248314	2.152162	0.032789	0.927
cg20717585	chr5	1.41E+08		0.453234	2.143986	0.033448	0.929541
cg15459773	chr1	2.31E+08		0.347084	2.14432	0.033421	0.929541
cg02384501	chr7	94292939		-0.32416	-2.14774	0.033144	0.928551
cg22110896	chr17	59533081	TBX2;TBX4;METTL2A;ENSG00000267137;ENSG00000267280	0.389233	2.14927	0.033021	0.928364
cg08278741	chr19	36736477		0.273862	2.149012	0.033042	0.92849
cg00037058	chr2	1.79E+08		-0.15457	-2.14818	0.033109	0.928551
cg17109036	chr2	289731		-0.35508	-2.14588	0.033295	0.929541
cg15822411	chr11	85566560		0.256462	2.145561	0.03332	0.929541
cg08834602	chr19	44220122		-0.21141	-2.14771	0.033146	0.928551
cg21952313	chr16	71918406		0.367805	2.148461	0.033086	0.92849
cg18122743	chr2	41921124	EML4	-0.31628	-2.14605	0.033281	0.92942
cg17344770	chr19	3537694	S1PR4	-0.38195	-2.14786	0.033134	0.928551

cg10651618	chr6	90122152		-0.20096	-2.1476	0.033155	0.928551
cg12375722	chr5	1.41E+08		0.497411	2.145421	0.033332	0.929541
cg09633081	chr6	7692342		-0.27961	-2.15331	0.032697	0.926582
ch.16.48036888F	chr16	49479387		-0.21613	-2.14951	0.033001	0.928266
cg05887821	chr10	1.35E+08		0.229317	2.146405	0.033252	0.929018
cg10100424	chr1	3178384	SKI;RER1;DFFB	-0.34092	-2.14934	0.033015	0.928364
cg26251098	chr11	1.31E+08		-0.30548	-2.14634	0.033257	0.929018
cg07533312	chr4	37250539		-0.24314	-2.14827	0.033101	0.928551
cg00754688	chr2	2.25E+08		-0.34909	-2.14788	0.033133	0.928551
cg17033359	chr11	57638157		-0.22843	-2.14868	0.033068	0.92849
cg00588614	chr10	43932900		-0.25682	-2.14767	0.033149	0.928551
cg04942334	chr2	2.35E+08		-0.15359	-2.14852	0.033081	0.92849
cg17288142	chr5	1.41E+08		0.289359	2.145044	0.033362	0.929541
cg20914370	chr7	27779595		-0.18939	-2.14947	0.033005	0.928266
cg03389848	chr2	1.87E+08		0.170282	2.148779	0.03306	0.92849
cg12471071	chr8	6479360		0.232603	2.147305	0.033179	0.928551
cg23708133	chr14	1.06E+08	IGHV3-23;IGHV3-15;IGHV5-51;IGHA1;IGHV3-48;IGHM;IGHV3-7;IGHA2;IGHGP;ENSG00000257556	-0.18346	-2.14714	0.033193	0.928551
cg06588556	chr11	18477299		0.641191	2.149626	0.032992	0.928233
cg18905668	chr11	18388147		-0.27451	-2.14913	0.033032	0.928434
cg07614521	chr2	17982878		0.281019	2.147298	0.03318	0.928551

cg08935238	chr5	1.41E+08		0.294213	2.149293	0.033019	0.928364
ch.17.1131311F	chr17	41573041		0.331093	2.147008	0.033203	0.928597
cg10206882	chr14	25411743		0.335651	2.14462	0.033397	0.929541
cg11469818	chr17	78093132		0.346928	2.15194	0.032806	0.927
cg07043247	chr10	11085755		-0.33399	-2.14471	0.03339	0.929541
cg18564587	chr6	28481839	SCAND3;TRIM27	-0.26487	-2.14714	0.033193	0.928551
cg02244695	chr7	1.5E+08		0.345554	2.143402	0.033496	0.929541
cg05191217	chr5	1.54E+08	GALNT10	0.712062	2.143846	0.03346	0.929541
cg17677987	chr17	13018217		0.264003	2.144562	0.033402	0.929541
cg23907004	chr8	23069349		0.262447	2.148269	0.033101	0.928551
cg25437411	chr10	1.01E+08		0.3179	2.146875	0.033214	0.92867
cg25038283	chr15	52820560		-0.16918	-2.1445	0.033406	0.929541
cg18819620	chr6	1.55E+08		-0.25387	-2.14789	0.033132	0.928551
cg23612142	chr6	1.59E+08		0.189288	2.146957	0.033207	0.928597
cg22135064	chr3	1.1E+08		0.294281	2.14874	0.033063	0.92849
cg21956507	chr19	41197903	PRX;LTBP4;AXL;ZNF780B;PSMC4	-0.18637	-2.14711	0.033195	0.928551
cg04646096	chr16	58664450		0.188595	2.148682	0.033068	0.92849
cg02076355	chr10	45474372		-0.31294	-2.14557	0.03332	0.929541
cg15546282	chr1	1903425		0.26538	2.146033	0.033282	0.92942
cg03070187	chr19	6739184	DENND1C	0.151632	2.143812	0.033463	0.929541
cg13366219	chr17	74236288		-0.29524	-2.14481	0.033382	0.929541
cg21981270	chr10	45914525	ALOX5	0.270294	2.145428	0.033331	0.929541
cg00917413	chr7	1.16E+08		-0.45692	-2.14764	0.033152	0.928551
cg27039534	chr10	1.28E+08		0.314042	2.147163	0.033191	0.928551

cg20332408	chr6	31047783		0.362087	2.147757	0.033143	0.928551
cg04248446	chr3	75955844		0.285959	2.148037	0.03312	0.928551
cg09732284	chr10	1.35E+08		-0.22111	-2.15038	0.032931	0.927607
cg16150416	chr4	1.18E+08		0.330324	2.148521	0.033081	0.92849
cg07576714	chr1	3123338		-0.17326	-2.14639	0.033254	0.929018
cg01853079	chr11	1.08E+08		0.306895	2.142813	0.033544	0.929541
cg03739470	chr8	1.45E+08		-0.21397	-2.14716	0.033191	0.928551
cg10902566	chr4	727664		-0.28776	-2.14331	0.033503	0.929541
cg20380069	chr12	1.21E+08		-0.16397	-2.14436	0.033418	0.929541
cg18085117	chr10	1.26E+08		0.244715	2.151319	0.032856	0.927321
cg24933926	chr3	40566397	MOBP;ULK4	0.163482	2.147311	0.033179	0.928551
cg15874877	chr5	1.41E+08		0.361319	2.146686	0.033229	0.928793
cg06891455	chr12	25405317		-0.37834	-2.14387	0.033458	0.929541
cg22127027	chr11	18417840		0.161055	2.146081	0.033278	0.92942
cg11901695	chr2	1291450		0.262672	2.149965	0.032965	0.927948
cg04554613	chr2	1.7E+08	NOSTRIN;BBS5	-0.29582	-2.14505	0.033362	0.929541
cg16023545	chr2	2.37E+08		0.469675	2.14792	0.03313	0.928551
cg06242449	chr8	1.45E+08		-0.1888	-2.14659	0.033237	0.928801
cg13393964	chr16	20753279		-0.19661	-2.1432	0.033512	0.929541
cg01524853	chr12	54447807	TENC1;MUCL1	0.298056	2.146318	0.033259	0.929018
cg25982066	chr15	1.02E+08		-0.342	-2.14377	0.033466	0.929541
cg15939347	chr8	1.43E+08		-0.18135	-2.14397	0.033449	0.929541
cg06962918	chr7	18127112		-0.44844	-2.1473	0.033179	0.928551
cg24107443	chr22	23729011	SPECC1L	-0.2556	-2.14541	0.033332	0.929541
cg08482531	chr10	8078127		0.293147	2.141898	0.033619	0.929541

cg01174843	chr7	77802594	CCDC146;ENSG00000232756	-0.29459	-2.14717	0.03319	0.928551
cg12447589	chr1	17765625		0.354727	2.142669	0.033556	0.929541
cg08083988	chr19	38040340		-0.3077	-2.14381	0.033463	0.929541
cg02625929	chr1	2.21E+08		0.260363	2.142965	0.033532	0.929541
cg11354266	chr7	41746034	SUGCT;GLI3	0.401051	2.144006	0.033447	0.929541
cg27578458	chr19	7968585	ENSG00000214248	0.150205	2.14422	0.033429	0.929541
cg16666115	chr6	43655680		-0.22614	-2.14711	0.033195	0.928551
cg06098693	chr11	70002283		-0.46727	-2.14721	0.033187	0.928551
cg13313836	chr15	60687284	ANXA2	-0.38223	-2.14318	0.033514	0.929541
cg00462951	chr12	5539736	DYRK4;ANO2;VWF;NTF3	0.250831	2.147533	0.033161	0.928551
cg24932686	chr7	27224954		0.206995	2.149422	0.033008	0.928266
cg15952465	chr6	1.13E+08		-0.30104	-2.14411	0.033438	0.929541
cg18906815	chr12	1.25E+08		-0.24158	-2.14781	0.033138	0.928551
cg14459130	chr2	1.75E+08	WIPF1	0.278306	2.147868	0.033134	0.928551
cg21204764	chr9	34522064		0.197927	2.142611	0.033561	0.929541
cg23548640	chr8	789977		-0.25975	-2.14263	0.033559	0.929541
cg24452602	chr7	1.57E+08		-0.21162	-2.14516	0.033353	0.929541
cg03618741	chr1	1.83E+08		-0.25118	-2.14483	0.03338	0.929541
cg04009456	chr4	25379436		-0.36005	-2.14355	0.033484	0.929541
cg06354392	chr2	1.77E+08		0.287321	2.148006	0.033123	0.928551
cg07074575	chr11	43559972		0.369784	2.145699	0.033309	0.929541
cg15618533	chr1	2.29E+08		-0.27206	-2.14416	0.033435	0.929541
cg16098304	chr2	2.43E+08		-0.24233	-2.14484	0.033379	0.929541

cg09732405	chr4	1.87E+08		0.531998	2.141217	0.033674	0.929585
cg12400430	chr6	99872842		0.204641	2.146432	0.03325	0.929018
cg15203597	chr14	91976656		-0.33598	-2.14703	0.033202	0.928597
cg27443416	chr11	6291447		0.31664	2.14552	0.033324	0.929541
ch.2.1134293R	chr2	47498499		-0.37444	-2.14414	0.033436	0.929541
cg05226335	chr11	70253499		-0.33546	-2.1487	0.033066	0.92849
cg15543736	chr11	10311279		-0.23652	-2.14082	0.033707	0.929585
cg16686175	chr17	57642721		0.287643	2.146358	0.033256	0.929018
cg19736369	chr19	12949639		-0.15124	-2.1434	0.033496	0.929541
cg14466506	chr3	1.88E+08	TPRG1;ENSG00000224049;TP63	0.289702	2.149764	0.032981	0.928104
cg13369206	chr2	3606108		-0.17395	-2.14354	0.033484	0.929541
cg27055083	chr19	55869569	TTYH1	-0.21888	-2.1451	0.033358	0.929541
cg07514505	chr13	96743754		0.251037	2.14797	0.033126	0.928551
cg26732808	chr6	1.68E+08		-0.20047	-2.14287	0.03354	0.929541
cg10698404	chr7	75988421		0.142145	2.143347	0.033501	0.929541
cg24886027	chr1	5932678		-0.28867	-2.14488	0.033376	0.929541
cg01461641	chr1	2.26E+08		-0.23733	-2.14527	0.033344	0.929541
cg03843852	chr15	55611099		-0.22691	-2.1479	0.033131	0.928551
cg18458295	chr11	46722285		0.177383	2.143775	0.033466	0.929541
cg11426080	chr10	1.35E+08		0.285248	2.140822	0.033707	0.929585
cg19284131	chr6	28889521		0.229253	2.142279	0.033588	0.929541
cg05892213	chr17	72542430		-0.24822	-2.14257	0.033564	0.929541
cg00463957	chr16	14583487	ERCC4;ABCC6P2;MPV17L;NOMO1	0.311528	2.150027	0.03296	0.927948

cg26945413	chr9	95896008	FGD3	-0.19148	-2.14528	0.033344	0.929541
cg05136476	chr3	53190709		-0.20973	-2.14256	0.033565	0.929541
cg07513768	chr15	69744528		0.32127	2.141644	0.03364	0.929541
cg12014052	chr19	57649797		-0.30101	-2.14155	0.033647	0.929541
cg07453407	chr19	46404031	GIPR;SNRPD2	0.214287	2.141249	0.033672	0.929585
cg22616881	chr7	96642096		0.271143	2.14344	0.033493	0.929541
cg14981960	chr1	68607289	DEPDC1	0.452652	2.143294	0.033505	0.929541
cg07562483	chr10	29698470		-0.48319	-2.14154	0.033648	0.929541
cg22126171	chr1	2.03E+08	PPFIA4;TMEM183A;RABIF;PPP1R12B;UBE2T;KDM5B;LGR6;CYB5R1;KLHL12;SYT2	-0.34578	-2.14345	0.033492	0.929541
cg22657465	chr6	76022515	COX7A2	0.376083	2.14299	0.03353	0.929541
cg24027742	chr11	64895147		0.218812	2.144737	0.033387	0.929541
cg23679769	chr1	1.57E+08		0.23179	2.142307	0.033585	0.929541
cg23177576	chr2	2829759		-0.23556	-2.1436	0.03348	0.929541
cg10883352	chr3	1.43E+08	TRPC1	-0.3544	-2.14189	0.033619	0.929541
cg23855257	chr13	27746147		-0.14567	-2.14137	0.033662	0.929573
cg20595621	chr6	1.15E+08		-0.31832	-2.143	0.033529	0.929541
cg22745369	chr6	3517953	ECI2;SERPINB1	-0.32618	-2.14546	0.033328	0.929541
cg16324306	chr14	93786330	RIN3;PPP4R4	0.318864	2.145772	0.033303	0.929541
cg17731243	chr2	1932996		-0.22732	-2.14308	0.033523	0.929541
cg06374165	chr3	1.92E+08		0.227314	2.143816	0.033462	0.929541

cg02280912	chr19	58400095	ZNF549;ZNF773;ZIK1;ZNF154	0.300714	2.145007	0.033365	0.929541
cg20737185	chr6	1.11E+08		-0.2145	-2.14675	0.033224	0.928781
cg21879981	chr10	32636639		0.236257	2.145437	0.033331	0.929541
cg26071806	chr7	1E+08		0.294537	2.143062	0.033524	0.929541
cg18157838	chr10	81679852		-0.2303	-2.14583	0.033298	0.929541
cg22876153	chr19	36865766	ZNF566;ZNF529	0.278687	2.143741	0.033468	0.929541
cg20724227	chr3	50341694	MON1A	-0.20841	-2.14034	0.033746	0.929585
cg02855883	chr12	68052121		-0.24719	-2.14403	0.033445	0.929541
cg26414750	chr5	59996066		-0.14897	-2.14167	0.033637	0.929541
cg02659581	chr1	3467842		-0.20068	-2.13976	0.033794	0.929585
cg09027255	chr1	2796193	TP73-AS1	-0.2723	-2.14082	0.033707	0.929585
cg01855118	chr6	1.57E+08		-0.37843	-2.14362	0.033478	0.929541
cg12024292	chr9	1.2E+08		0.355717	2.140982	0.033694	0.929585
cg19463982	chr17	48614436		-0.30561	-2.1455	0.033325	0.929541
cg18766608	chr11	61488356		-0.24435	-2.14449	0.033408	0.929541
cg23718606	chr6	27219812		-0.22432	-2.14364	0.033476	0.929541
cg13966878	chr15	54270693		0.218242	2.141827	0.033625	0.929541
cg00341718	chr16	1153002		0.223409	2.142016	0.033609	0.929541
cg26503073	chr7	6704074		0.346051	2.141434	0.033657	0.929541
cg18476778	chr12	1.25E+08		0.211796	2.147568	0.033158	0.928551
cg26541001	chr19	39420548	EIF3K	0.290391	2.142295	0.033586	0.929541
cg05629606	chr21	47544366		-0.22597	-2.14001	0.033774	0.929585
cg04941018	chr19	36342859		0.174428	2.142435	0.033575	0.929541
cg21722058	chr4	1.29E+08		-0.21664	-2.14873	0.033064	0.92849

cg09863917	chr9	97767458		-0.24176	-2.14289	0.033538	0.929541
cg00754740	chr14	1.06E+08		-0.24922	-2.14333	0.033502	0.929541
cg20403528	chr2	2.37E+08		-0.30548	-2.14186	0.033622	0.929541
cg08431567	chr19	57175043	ZNF667-AS1;ZNF542;ZIK1;PEG3;ZNF667;ZNF471;ZNF211	-0.37074	-2.1419	0.033619	0.929541
cg14485744	chr8	1.19E+08	SAMD12	0.35418	2.14298	0.03353	0.929541
cg01306151	chr16	89775031		-0.24878	-2.14329	0.033505	0.929541
cg02578103	chr16	67021154		0.278786	2.145318	0.03334	0.929541
cg27295594	chr3	1.25E+08		-0.18863	-2.14331	0.033504	0.929541
cg08241401	chr20	3824289		-0.26318	-2.14004	0.033771	0.929585
cg03647233	chr11	1.17E+08		-0.24816	-2.14285	0.033541	0.929541
cg01190317	chr8	1.44E+08		-0.22153	-2.14284	0.033542	0.929541
cg04762129	chr6	34105785		-0.15198	-2.14019	0.033759	0.929585
cg20276114	chr19	19764795		-0.2368	-2.14473	0.033388	0.929541
cg12864221	chr7	70814208	WBSCR17	0.382247	2.145635	0.033314	0.929541
cg23829193	chr10	72546264		0.252108	2.140984	0.033694	0.929585
cg18040826	chr3	1.57E+08		-0.32994	-2.14298	0.03353	0.929541
cg04150762	chr11	628677		0.224019	2.142484	0.033571	0.929541
cg04090147	chr5	56247905		-0.15601	-2.14086	0.033704	0.929585
cg05301383	chr2	1.72E+08		0.283053	2.146934	0.033209	0.928597
cg03042802	chr1	15984979		0.233565	2.141579	0.033645	0.929541
cg14553881	chr17	79361650	CD7	-0.35563	-2.14148	0.033653	0.929541
cg04982748	chr12	66696283		-0.20079	-2.13964	0.033804	0.929585

cg05858079	chr1	2.23E+08	TLR5	0.295632	2.142655	0.033557	0.929541
cg26152923	chr19	18284120	RPL18A;FCHO1	-0.18536	-2.14492	0.033373	0.929541
cg11040238	chr6	31143798		-0.22955	-2.16339	0.031901	0.923131
cg18644543	chr19	1067356		-0.15497	-2.14307	0.033523	0.929541
cg19341344	chr11	57335140		-0.15249	-2.14023	0.033755	0.929585
cg03209684	chr16	70473648		0.247135	2.140394	0.033742	0.929585
cg01555614	chr6	50786369		0.340064	2.143321	0.033503	0.929541
cg19447630	chr3	1.04E+08		-0.32122	-2.14023	0.033755	0.929585
cg13930766	chr9	1.23E+08		-0.3034	-2.13935	0.033828	0.929585
cg17653972	chr19	55815941		0.273157	2.141775	0.033629	0.929541
cg16556936	chr15	42565284		0.302018	2.14102	0.033691	0.929585
cg17236617	chr1	6454202		-0.19649	-2.14504	0.033363	0.929541
cg23586659	chr1	2.26E+08	PARP1;ACBD3	0.304492	2.139856	0.033786	0.929585
cg04559647	chr10	1.26E+08	GPR26	-0.15632	-2.14006	0.033769	0.929585
cg23069822	chr3	1.44E+08		0.176376	2.14431	0.033422	0.929541
cg19632026	chr7	1.33E+08		-0.23536	-2.1428	0.033545	0.929541
cg16028336	chr1	2E+08		-0.26405	-2.14091	0.0337	0.929585
cg26498574	chr10	88425627		-0.16309	-2.14295	0.033533	0.929541
cg08073312	chr3	1.37E+08		0.265755	2.141693	0.033636	0.929541
cg04843775	chr17	48503406		0.187296	2.144419	0.033413	0.929541
cg06655349	chr19	10332165	CDKN2D;ICAM3	-0.27865	-2.14447	0.033409	0.929541
cg08174462	chr12	56709715	IKZF4	0.200262	2.144081	0.033441	0.929541
cg15509286	chr3	19186531		-0.3365	-2.14141	0.033658	0.929541
cg12620893	chr7	1.03E+08		-0.35341	-2.14094	0.033697	0.929585
cg10726816	chr6	27635802		0.33405	2.142768	0.033548	0.929541

cg07447742	chr13	49793170		0.238234	2.141451	0.033655	0.929541
cg05125521	chr12	6391359	PLEKHG6	-0.27928	-2.14146	0.033654	0.929541
cg16375048	chr4	1.58E+08		-0.33676	-2.13848	0.033899	0.929585
cg02764416	chr6	31852426		0.276806	2.139512	0.033814	0.929585
cg07665058	chr10	75542084		-0.33322	-2.14349	0.033488	0.929541
cg02791753	chr11	43579906		0.290515	2.142826	0.033543	0.929541
cg24684050	chr12	77157769		-0.17349	-2.14093	0.033698	0.929585
cg26994885	chr12	77260534	CSRP2	0.418741	2.141041	0.033689	0.929585
cg12642237	chr17	6703447	WSCD1	0.347159	2.14251	0.033569	0.929541
cg11305259	chr19	6199442		-0.15024	-2.14226	0.033589	0.929541
cg00101260	chr17	53426657		-0.26893	-2.14058	0.033727	0.929585
cg03828947	chr5	1800132		-0.27435	-2.14215	0.033598	0.929541
cg16391182	chr17	76625526		-0.26412	-2.13999	0.033775	0.929585
cg00423598	chr7	1.56E+08	RNF32	0.22747	2.138757	0.033876	0.929585
cg02599068	chr2	25195213		-0.33093	-2.14173	0.033633	0.929541
cg00979931	chr11	72533664		0.301266	2.144336	0.03342	0.929541
cg14684296	chr19	51071316	CLDND2	-0.19514	-2.14147	0.033654	0.929541
cg13889425	chr9	1.4E+08		0.282055	2.138125	0.033928	0.929585
cg12174280	chr8	7543899		0.288533	2.142269	0.033588	0.929541
cg02186948	chr11	36310854		-0.19469	-2.13922	0.033838	0.929585
cg26719629	chr11	2163299		0.264762	2.140234	0.033755	0.929585
cg02698580	chr10	86016643		0.335606	2.144188	0.033432	0.929541
cg17937182	chr19	10579634		0.215407	2.142651	0.033557	0.929541
cg20207890	chr1	38470622	FHL3	-0.18498	-2.14553	0.033323	0.929541
cg14029453	chr9	1.4E+08		-0.20022	-2.13991	0.033782	0.929585

cg01488260	chr6	32136431		-0.16758	-2.14228	0.033588	0.929541
cg04954111	chr11	34363786	CD44;SLC1A2;ELF5;ENSG00000255443;ENSG00000184566;HIPK3	0.36531	2.143069	0.033523	0.929541
cg12403778	chr12	11804115		0.331705	2.138891	0.033865	0.929585
cg04424643	chr14	76887369	IFT43;CIPC;SAMD15;VASH1;TTLL5;GPATCH2L	-0.19591	-2.14073	0.033714	0.929585
cg09982069	chr13	21477337		0.180957	2.140595	0.033725	0.929585
cg26900750	chr19	41109870		-0.19057	-2.13822	0.033921	0.929585
cg07915516	chr16	377344	NME4;TMEM8A;SOX8	-0.35498	-2.14178	0.033629	0.929541
cg02134606	chr9	1.39E+08		-0.19223	-2.13976	0.033794	0.929585
cg06876404	chr16	30941527		-0.23223	-2.14231	0.033585	0.929541
cg08714895	chr1	17996919		0.288767	2.142926	0.033535	0.929541
cg23462861	chr16	2198479		0.185345	2.142037	0.033607	0.929541
cg04957132	chr17	1395371		-0.27245	-2.14012	0.033764	0.929585
cg12478266	chr1	1.78E+08		0.242589	2.140336	0.033747	0.929585
cg26010908	chr6	31628367		0.191115	2.145184	0.033351	0.929541
cg15270772	chr4	95128926		-0.33924	-2.14247	0.033572	0.929541
cg02946204	chr14	54430663		0.413722	2.139939	0.033779	0.929585
cg04040317	chr13	1.14E+08		0.230053	2.141442	0.033656	0.929541
cg08367573	chr3	1.95E+08		-0.21199	-2.13917	0.033842	0.929585
cg18452600	chr8	9911543		0.323847	2.138547	0.033894	0.929585
cg17210837	chr5	35954233		-0.40545	-2.13944	0.03382	0.929585

cg21663539	chr18	12991062		-0.24049	-2.14083	0.033706	0.929585
cg03612914	chr13	44016176		-0.27039	-2.1429	0.033537	0.929541
cg22949616	chr19	10136161	ENSG00000270614	-0.28018	-2.14027	0.033752	0.929585
cg01982637	chr3	1.74E+08		-0.33568	-2.13856	0.033892	0.929585
cg19367466	chr12	1.24E+08	DNAH10	-0.14587	-2.14319	0.033513	0.929541
cg03445516	chr2	95664233		0.225276	2.138474	0.0339	0.929585
cg17515076	chr17	73810948		-0.2272	-2.14162	0.033642	0.929541
cg03786808	chr17	41994384	TMEM106A;UBTF	-0.20667	-2.14215	0.033598	0.929541
cg19025234	chr5	79378772		0.290665	2.137134	0.03401	0.929585
cg11518938	chr1	1.59E+08	C1orf204	-0.28903	-2.13989	0.033784	0.929585
cg07834841	chr10	1.3E+08		-0.3469	-2.14064	0.033721	0.929585
cg24242002	chr18	21594044		0.210421	2.140462	0.033736	0.929585
cg27451610	chr12	1.33E+08	GOLGA3	-0.29243	-2.13951	0.033815	0.929585
cg20624009	chr6	1.33E+08		0.251135	2.140422	0.03374	0.929585
cg27319971	chr4	3255056	ENSG00000206113;ENSG00000248399;ENSG00000249428;SH3BP2;ENSG00000243894;FAM86EP;NOP14	0.35834	2.146575	0.033238	0.928801
cg26542283	chr5	43040505		-0.35553	-2.13782	0.033954	0.929585
cg03864121	chr18	77454602		0.372902	2.138456	0.033901	0.929585
cg26369098	chr6	1.12E+08		-0.19789	-2.14026	0.033753	0.929585
cg06901893	chr7	73400692	WBSCR22;ELN;BCL7B	-0.19311	-2.14163	0.033641	0.929541

cg02944123	chr3	2812875		-0.27621	-2.13794	0.033944	0.929585
cg19297232	chr16	68483021		0.330349	2.142866	0.03354	0.929541
cg15020964	chr12	45308058		0.209557	2.138605	0.033889	0.929585
cg24595957	chr14	20811627		-0.22291	-2.13981	0.03379	0.929585
cg16745604	chr2	2.02E+08	CASP10	0.497729	2.137687	0.033965	0.929585
cg25253677	chr19	54485730		0.23171	2.142396	0.033578	0.929541
cg12362060	chr15	41575950		-0.186	-2.13893	0.033862	0.929585
cg03936449	chr16	56696967		0.318398	2.137096	0.034013	0.929585
cg13773705	chr15	88799820		-0.19273	-2.14278	0.033547	0.929541
cg07477109	chr7	99006266	ZCWPW1	-0.15294	-2.13874	0.033878	0.929585
cg14631486	chr9	1.18E+08		0.312534	2.139071	0.033851	0.929585
cg26115531	chr12	48340533		-0.29705	-2.13575	0.034124	0.930379
cg06540193	chr10	1.05E+08		-0.51987	-2.14386	0.033459	0.929541
cg19373199	chr14	1.03E+08		-0.22528	-2.14017	0.03376	0.929585
cg13461554	chr2	49037725	STON1	-0.41512	-2.13836	0.033909	0.929585
cg21790851	chr13	73634643		0.35803	2.143047	0.033525	0.929541
cg10125901	chr3	5071083		-0.23246	-2.14218	0.033596	0.929541
ch.3.343688R	chr3	15065423		-0.34795	-2.13939	0.033824	0.929585
cg18686547	chr2	1.53E+08		-0.32231	-2.14174	0.033632	0.929541
cg02367850	chr16	68273877		0.266749	2.136787	0.034039	0.929585
cg00218146	chr15	31619396		0.135631	2.141737	0.033632	0.929541

			HS3ST6;IFT140;NHLRC4;METRN;BAIAP3;CCDC78;HAGH;HAGHL;WDR90;ENSG00000				
cg09615056	chr16	1478718	261659;PIGQ	-0.3161	-2.1389	0.033865	0.929585
cg07350040	chr5	1.46E+08		-0.2456	-2.13872	0.033879	0.929585
cg06617093	chr1	1.58E+08	FCRL3;AIM2	-0.2637	-2.13751	0.033979	0.929585
cg03085170	chr1	37783921	FHL3	0.284497	2.138146	0.033927	0.929585
cg23638556	chr13	1.11E+08		-0.27922	-2.14194	0.033616	0.929541
cg25438371	chr19	48965006	PPP1R15A	0.360388	2.139326	0.03383	0.929585
cg16535598	chr14	35589334		-0.21919	-2.13912	0.033847	0.929585
cg01339183	chr6	41751312		-0.25395	-2.13759	0.033973	0.929585
cg13411373	chr11	93280125		-0.24603	-2.1393	0.033832	0.929585
cg17534564	chr12	1.25E+08		-0.29805	-2.13913	0.033846	0.929585
cg15855040	chr21	44719219	TFF3	-0.23537	-2.14006	0.033769	0.929585
cg21927363	chr9	15552206		-0.21184	-2.14176	0.03363	0.929541
cg02883604	chr4	24478362	SOD3;CCDC149	0.28468	2.138253	0.033918	0.929585
cg16712481	chr16	60556955		-0.29924	-2.14077	0.033711	0.929585
cg08306766	chr10	49205543		-0.22576	-2.13709	0.034014	0.929585
cg20356136	chr4	7802238		0.377541	2.140709	0.033716	0.929585
cg05855208	chr7	31089142	ZNRF2;GARS	-0.27724	-2.13798	0.03394	0.929585
cg27455211	chr16	86734223		-0.25556	-2.14026	0.033753	0.929585
cg03299617	chr2	2.42E+08		-0.15227	-2.14039	0.033742	0.929585
cg01779383	chr10	94180753		0.293587	2.139796	0.033791	0.929585

cg02302035	chr16	54155477		-0.19697	-2.14059	0.033725	0.929585
cg26206456	chr8	992484		0.23581	2.139191	0.033841	0.929585
cg08116915	chr4	8597048		-0.32713	-2.13739	0.033989	0.929585
cg20967006	chr1	52343400		0.309146	2.13803	0.033936	0.929585
cg11966432	chr8	1617616		0.259121	2.140963	0.033695	0.929585
cg23251248	chr14	55907374		0.351282	2.140099	0.033766	0.929585
cg19876542	chr19	36763026		1.04036	2.136834	0.034035	0.929585
cg20299414	chr3	29447628		0.334006	2.141226	0.033674	0.929585
cg18509524	chr8	62052594		0.297342	2.138496	0.033898	0.929585
cg16704560	chr2	15777810		0.295944	2.138227	0.03392	0.929585
cg22517552	chr7	30518520		0.125876	2.140985	0.033693	0.929585
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cg22158650	chr7	27291388		-0.27853	-2.13673	0.034043	0.929585
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cg26431815	chr8	668053		-0.38467	-2.14141	0.033658	0.929541
cg01923395	chr4	3685577		-0.33007	-2.13566	0.034132	0.930379
cg14620065	chr12	10753265		0.30469	2.14078	0.03371	0.929585
cg06181541	chr1	54871523		-0.15765	-2.13564	0.034133	0.930379
cg23803206	chr1	47798847		0.283542	2.136832	0.034035	0.929585
cg19425295	chr11	1989233		0.292226	2.136357	0.034074	0.929853
cg23671699	chr19	2307632		0.225039	2.137474	0.033982	0.929585
cg23968213	chr11	2481965	NAP1L4;TSPAN32	-0.34315	-2.13669	0.034047	0.929585
cg15410418	chr5	59559180	ELOVL7	-0.32202	-2.13677	0.03404	0.929585

cg14380519	chr9	79516862		-0.2449	-2.13835	0.03391	0.929585
cg19976011	chr1	87380779		-0.21353	-2.14166	0.033639	0.929541
cg13424766	chr9	1.26E+08		0.22051	2.138265	0.033917	0.929585
cg23037386	chr5	45695467		0.354422	2.137512	0.033979	0.929585
cg05633287	chr16	2932616		-0.30078	-2.13578	0.034122	0.930379
cg24844387	chr6	20215399		0.344489	2.135635	0.034134	0.930379
cg26947773	chr14	93392220		0.187596	2.137526	0.033978	0.929585
cg10149337	chr18	76734278		0.273497	2.136567	0.034057	0.929733
cg04046669	chr22	30476206	UQCR10;PES1	0.43568	2.13764	0.033968	0.929585
cg23596291	chr1	907638	TTLL10-AS1;ENSG00000223764;MXRA8;TTLL10;SAMD11;ANKRD65;RNF223;VWA1;ENSG00000272106	-0.42065	-2.13624	0.034084	0.929933
cg18488745	chr11	67141242		-0.23881	-2.13919	0.03384	0.929585
cg24929834	chr22	29457241	TTC28;UQCR10	0.270018	2.135017	0.034185	0.930713
cg21907663	chr1	93250255		-0.16522	-2.13875	0.033877	0.929585
cg15477680	chr7	1.51E+08		-0.25818	-2.13685	0.034034	0.929585
cg11571943	chr3	44771316		0.168437	2.136834	0.034035	0.929585
cg07497223	chr5	98106612		0.183132	2.141962	0.033614	0.929541
cg25680014	chr17	80458576		-0.15574	-2.13741	0.033988	0.929585
cg15635503	chr19	11101976		-0.21948	-2.13652	0.034061	0.929733
cg03983726	chr11	70319482		-0.25429	-2.13892	0.033863	0.929585
cg24260218	chr8	29208126		0.145883	2.136696	0.034046	0.929585

cg02336018	chr7	63497712	ENSG00000214652	0.299363	2.137238	0.034002	0.929585
cg13319014	chr6	52929919		-0.24607	-2.1358	0.034121	0.930379
cg16656826	chr5	1.59E+08		0.188514	2.136552	0.034058	0.929733
cg12741539	chr12	42719903		-0.18815	-2.13853	0.033895	0.929585
cg18779601	chr5	1.76E+08		0.196029	2.13878	0.033874	0.929585
cg17511541	chr4	6986192		0.295694	2.13706	0.034016	0.929585
cg09633973	chr17	1957365		-0.20364	-2.13802	0.033937	0.929585
cg27309155	chr11	1300211		-0.26031	-2.13881	0.033872	0.929585
cg12936238	chr1	2254582	TTC34	0.312625	2.140846	0.033705	0.929585
cg12844569	chr22	31363807		0.28065	2.139584	0.033808	0.929585
cg07635567	chr4	6037446	S100P	0.25739	2.13736	0.033992	0.929585
cg05031995	chr17	7530871		-0.17856	-2.14544	0.033331	0.929541
cg06060338	chr8	74884601		-0.22942	-2.137	0.034021	0.929585
cg27300230	chr17	37844220		0.125732	2.13874	0.033878	0.929585
cg03543893	chr20	21080692		0.257359	2.13994	0.033779	0.929585
cg05192452	chr5	71852759		-0.22022	-2.13677	0.034041	0.929585
cg14254562	chr9	84213071		-0.2545	-2.13639	0.034072	0.929853
cg17929273	chr22	37967569		-0.26943	-2.13366	0.034298	0.931495
cg19109909	chr11	64570509		0.170717	2.135625	0.034135	0.930379
cg11537406	chr11	1.25E+08	CDON;ENSG00000254967	-0.48003	-2.14234	0.033583	0.929541
cg27524531	chr16	711706		0.342532	2.135088	0.034179	0.930713
cg26808510	chr4	3673098		0.191896	2.134977	0.034189	0.930713
cg05639747	chr12	49740942		0.280543	2.138647	0.033885	0.929585
cg03447742	chr6	1.6E+08		0.20578	2.136789	0.034039	0.929585

cg07775420	chr12	1.1E+08	GIT2	-0.19416	-2.13825	0.033918	0.929585
cg01385312	chr7	5393918		0.349385	2.138955	0.03386	0.929585
cg00640825	chr17	10086882		-0.22202	-2.13914	0.033844	0.929585
cg01532218	chr6	30524746		-0.25014	-2.13834	0.033911	0.929585
cg23681311	chr22	22221878	BMS1P20	0.205046	2.142318	0.033584	0.929541
cg24051350	chr1	77165461		-0.33853	-2.13625	0.034083	0.929933
cg20835989	chr17	76905770		-0.23172	-2.13676	0.034041	0.929585
cg14539675	chr6	33290888		-0.1569	-2.13573	0.034126	0.930379
cg26394008	chr8	1.46E+08		-0.25916	-2.13858	0.033891	0.929585
cg11853830	chr5	92914036	KIAA0825	0.298599	2.139389	0.033824	0.929585
cg25678587	chr11	6129408	TRIM5	-0.34469	-2.13418	0.034255	0.931144
cg24525988	chr4	19134792		-0.38538	-2.13269	0.034379	0.931624
cg13497926	chr9	96057804	ECM2;OGN;ASPN;OMD	-0.37927	-2.14342	0.033495	0.929541
cg00249030	chr1	33546871	YARS;DCDC2B	0.236957	2.133186	0.034338	0.931624
cg02823803	chr19	57019958		0.236767	2.132623	0.034384	0.931624
cg06994502	chr17	74846138		0.28146	2.134622	0.034218	0.930878
cg12897058	chr3	1.2E+08		0.196664	2.136928	0.034027	0.929585
cg21893663	chr13	1.06E+08		0.225061	2.137359	0.033992	0.929585
cg02088996	chr7	41817771		-0.33014	-2.13547	0.034148	0.93043
cg06316315	chr17	30592997		-0.16747	-2.1386	0.03389	0.929585
cg26233084	chr5	15510258		0.283575	2.141178	0.033678	0.929585
cg12802113	chr17	56741		0.223968	2.136876	0.034031	0.929585
cg17039722	chr1	2.31E+08	ENSG00000244137;CAPN9;GALNT2	0.269654	2.137799	0.033955	0.929585

cg06128999	chr16	77247126		0.253814	2.136899	0.03403	0.929585
cg01178703	chr1	12066560		0.221929	2.134201	0.034253	0.931144
cg08953726	chr4	9508177		-0.22005	-2.13459	0.03422	0.930878
cg13241659	chr12	1.32E+08		0.21409	2.139012	0.033855	0.929585
cg07180523	chr6	30325715	ZNRD1-AS1	-0.2131	-2.13894	0.033861	0.929585
cg23761017	chr4	1.86E+08		0.349749	2.138247	0.033918	0.929585
cg22775801	chr12	1.24E+08	PITPNM2;ENSG00000251497	0.288716	2.133988	0.034271	0.931255
cg09658678	chr3	1.48E+08		0.290484	2.137755	0.033959	0.929585
cg08428486	chr7	1.4E+08		-0.30572	-2.13507	0.034181	0.930713
cg11439821	chr15	48483834		0.317296	2.132928	0.034359	0.931624
cg02539539	chr11	67340713		-0.28025	-2.13792	0.033945	0.929585
cg04359527	chr19	7980718		0.29707	2.135529	0.034143	0.930418
cg27471156	chr2	1.02E+08		-0.25433	-2.13786	0.03395	0.929585
cg11519903	chr4	96300982		-0.242	-2.13869	0.033882	0.929585
cg24771206	chr2	2.04E+08		-0.17876	-2.13729	0.033998	0.929585
cg23611220	chr6	29793607		-0.20045	-2.13697	0.034024	0.929585
cg11881246	chr7	4211395		0.199004	2.137377	0.03399	0.929585
cg02068390	chr6	33419512	DAXX	-0.1828	-2.13289	0.034362	0.931624
cg27025722	chr2	54773290	PSME4;SPTBN1;CLHC1	-0.37381	-2.13486	0.034198	0.930829
cg17826168	chr19	6464103		0.211734	2.134485	0.034229	0.930878
cg19878568	chr6	41741219		0.257181	2.134685	0.034213	0.930878
cg23282051	chr2	2.39E+08		-0.15202	-2.13361	0.034302	0.931495
cg04367427	chr2	1.29E+08	UGGT1	0.225069	2.132615	0.034385	0.931624

cg05928649	chr18	70211774		0.218046	2.136799	0.034038	0.929585
cg17548395	chr10	60461164		0.377511	2.134016	0.034268	0.931255
cg10128511	chr3	98452940		0.383945	2.135902	0.034112	0.930379
cg08301493	chr12	80438119		-0.37182	-2.13436	0.03424	0.930983
cg16170767	chr6	99290737		0.293304	2.134403	0.034236	0.930945
cg25940485	chr1	1.18E+08	FAM46C	-0.35196	-2.13931	0.033831	0.929585
cg10506715	chr14	1.01E+08		-0.24493	-2.13929	0.033833	0.929585
cg20095680	chr19	49457927		-0.21685	-2.13768	0.033965	0.929585
cg03637259	chr3	41241661		0.230793	2.133731	0.034292	0.931495
cg11739225	chr14	35591523		-0.16371	-2.13576	0.034123	0.930379
cg22898745	chr13	1.13E+08		0.261272	2.133624	0.034301	0.931495
cg19624601	chr1	2.27E+08	PSEN2;ENSG00000234478	0.403628	2.135033	0.034184	0.930713
cg25177139	chr4	87770089	AFF1	-0.28048	-2.13935	0.033828	0.929585
cg05477920	chr4	1.47E+08		0.367788	2.139532	0.033813	0.929585
cg13226968	chr11	528653	IFITM2	-0.38997	-2.13455	0.034224	0.930878
cg11997536	chr19	16176297		-0.26291	-2.13399	0.03427	0.931255
cg14966174	chr2	24166650		-0.30449	-2.13351	0.034311	0.93154
cg03788465	chr11	25961072		-0.34819	-2.13495	0.034191	0.930713
cg07834322	chr15	25438254		-0.25241	-2.13636	0.034074	0.929853
cg12832956	chr2	9616023		0.280398	2.135489	0.034146	0.93043
cg04204118	chr10	4194429		0.304019	2.137209	0.034004	0.929585
cg17261303	chr10	1.34E+08		0.229545	2.132041	0.034433	0.93166
cg05413277	chr2	74642087		0.278007	2.136285	0.03408	0.929933
cg14621090	chr13	1.14E+08		0.237825	2.135579	0.034139	0.930387

cg11700800	chr5	92906633		0.257346	2.132379	0.034405	0.93166
cg18119085	chr7	6121093		-0.18864	-2.13795	0.033943	0.929585
cg07020540	chr2	1.03E+08		-0.28028	-2.13535	0.034158	0.930467
cg13276755	chr2	2.34E+08		-0.22311	-2.1327	0.034378	0.931624
cg17949162	chr10	1.21E+08		-0.30009	-2.13219	0.034421	0.93166
cg12190044	chr9	1.03E+08		0.252215	2.132686	0.034379	0.931624
cg24197051	chr10	99349361		-0.20484	-2.13588	0.034114	0.930379
cg01181009	chr3	62305213		-0.33541	-2.13736	0.033992	0.929585
cg25703567	chr6	52128822		-0.30852	-2.13404	0.034267	0.931255
cg14589553	chr9	1.4E+08		-0.28825	-2.13509	0.034179	0.930713
cg04212150	chr18	56531132		0.237127	2.132426	0.034401	0.931624
cg14600213	chr13	1.14E+08		-0.24561	-2.13378	0.034288	0.931495
cg15150970	chr2	25473529		0.142699	2.139458	0.033819	0.929585
cg19403101	chr1	2.46E+08		-0.3462	-2.13337	0.034322	0.931624
cg01236132	chr13	1.13E+08		0.239131	2.135378	0.034155	0.930467
cg00495433	chr16	1268551		-0.21631	-2.13583	0.034118	0.930379
cg18397450	chr14	1.06E+08		-0.24854	-2.13653	0.03406	0.929733
cg00709112	chr10	1.18E+08		0.249709	2.135375	0.034156	0.930467
cg08715146	chr22	46067137	GTSE1	0.258539	2.134488	0.034229	0.930878
cg09542690	chr3	44519182	TMEM158	-0.17012	-2.13307	0.034347	0.931624
cg26087117	chr19	53636229	ZNF415	0.298168	2.13535	0.034158	0.930467
cg03755748	chr16	87996816		-0.31042	-2.13246	0.034398	0.931624
cg14169799	chr6	33373978		0.225063	2.136868	0.034032	0.929585
cg04999860	chr15	42450339		0.328445	2.130101	0.034595	0.932091
cg11814875	chr19	2611237		-0.17346	-2.13736	0.033992	0.929585

cg08211895	chr2	48828358		0.275106	2.133417	0.034318	0.931624
cg05402622	chr16	86666183		-0.2204	-2.1345	0.034228	0.930878
cg16074393	chr14	52116710		-0.24475	-2.13314	0.034341	0.931624
cg23261375	chr1	1.63E+08		0.519045	2.144291	0.033424	0.929541
cg08929002	chr6	1.08E+08		0.230465	2.134224	0.034251	0.931144
cg18228282	chr17	46703908		-0.19729	-2.13244	0.0344	0.931624
cg16699861	chr16	30429204		-0.19052	-2.13021	0.034586	0.932091
cg03976379	chr10	31607973		-0.17087	-2.13195	0.034441	0.93166
cg07675656	chr16	2105015	IFT140;BAIAP3;CLDN9;ENSG00000272079;HAGH;RNPS1;HN1L;HCFC1R1;HS3ST6;CDC64B;PDPK1;MSRB1	0.454727	2.140738	0.033714	0.929585
cg19092368	chr1	41444829		0.215688	2.132601	0.034386	0.931624
cg15079934	chr11	1892307		0.342458	2.133124	0.034343	0.931624
cg04228849	chr4	21855582		-0.24468	-2.13251	0.034394	0.931624
cg24713940	chr6	1.7E+08		0.266558	2.134427	0.034234	0.930945
cg11500660	chr21	44036692		-0.31924	-2.13457	0.034222	0.930878
cg14106660	chr11	14994179		0.293873	2.131502	0.034478	0.931769
cg25803107	chr2	6072744		-0.27576	-2.13459	0.034221	0.930878
cg25036261	chr2	51254823		0.688367	2.132614	0.034385	0.931624
cg14052065	chr9	1.4E+08	PTGDS;LCNL1	-0.37278	-2.13722	0.034003	0.929585
cg03116579	chr19	922016		-0.18545	-2.13396	0.034273	0.931255
cg18780603	chr2	2.36E+08		0.318422	2.135248	0.034166	0.930637

cg09553380	chr2	2.07E+08		0.244079	2.132238	0.034417	0.93166
cg01574241	chr1	1.66E+08		-0.30282	-2.13224	0.034416	0.93166
cg23015983	chr6	1.08E+08		-0.16578	-2.13477	0.034206	0.930878
cg09255332	chr10	1.32E+08		-0.24323	-2.13355	0.034307	0.931505
cg19313373	chr1	1.63E+08		-0.24447	-2.13173	0.034459	0.931684
cg01703993	chr16	3111625	ZNF200	-0.20372	-2.13197	0.034439	0.93166
ch.1.3036304F	chr1	1.56E+08		-0.3241	-2.13119	0.034504	0.931769
cg21721454	chr19	2328713		0.157989	2.133139	0.034341	0.931624
cg13257157	chr8	95487014		0.195249	2.129859	0.034615	0.932358
cg16946683	chr3	1.01E+08		-0.27187	-2.13467	0.034214	0.930878
cg22795586	chr1	1.71E+08	SELL	0.373955	2.1322	0.03442	0.93166
cg16896344	chr17	77758763		0.302577	2.134717	0.03421	0.930878
cg22454022	chr8	69646661	SLCO5A1	-0.31778	-2.13557	0.03414	0.930387
cg22138216	chr11	77789247	PAK1	0.211433	2.137117	0.034012	0.929585
cg17436778	chr5	57184384		-0.2691	-2.13303	0.03435	0.931624
cg13051197	chr7	1.17E+08	ST7-OT4	-0.3451	-2.13648	0.034064	0.929758
cg21860667	chr1	1.54E+08		0.220522	2.134848	0.034199	0.930829
cg19858280	chr5	207590	C5orf55	0.318849	2.129665	0.034632	0.932378
cg25641997	chr11	64068491		-0.20187	-2.13202	0.034435	0.93166
cg03251805	chr14	23389211		0.222917	2.135134	0.034176	0.930713
cg23255368	chr10	1.35E+08		-0.23603	-2.13744	0.033985	0.929585
cg07495574	chr22	49564611		-0.35836	-2.12966	0.034632	0.932378
cg21037604	chr20	54578094		0.28727	2.131244	0.0345	0.931769
cg09704116	chr17	46666958		0.309408	2.130005	0.034603	0.932091
cg12833168	chr14	39856160		-0.21671	-2.13456	0.034223	0.930878

cg15457005	chr11	11643754		-0.3792	-2.12981	0.03462	0.932378
cg26853057	chr8	42002293	HOOK3;SFRP1	-0.33686	-2.1329	0.034361	0.931624
cg20346869	chr6	22838771		0.304844	2.13194	0.034441	0.93166
cg22076495	chr5	32174716		-0.20476	-2.13071	0.034544	0.932091
cg03756929	chr1	2.33E+08		-0.37005	-2.1312	0.034503	0.931769
cg27497038	chr10	1.25E+08		-0.25776	-2.13138	0.034489	0.931769
cg03495498	chr14	97878346	PAPOLA	0.278096	2.130065	0.034598	0.932091
cg10452542	chr12	1.17E+08		0.283512	2.132304	0.034411	0.93166
cg11982293	chr2	1.75E+08		0.27868	2.129517	0.034644	0.932541
cg09234995	chr10	5726438		0.326608	2.130796	0.034537	0.932091
cg17508941	chr7	19183280	MACC1	0.378486	2.134972	0.034189	0.930713
cg19085146	chr1	15066110		0.458836	2.130766	0.034539	0.932091
cg00322319	chr2	1.62E+08		0.333632	2.130145	0.034591	0.932091
cg02966153	chr19	1401767	MISP;ARID3A;HMHA1;MOB3A	0.415108	2.13289	0.034362	0.931624
cg13551783	chr1	15773099		-0.23377	-2.13612	0.034094	0.930123
cg13207534	chr6	5087447		0.322497	2.13017	0.034589	0.932091
cg08204790	chr2	59522360		0.271334	2.132612	0.034385	0.931624
cg01686115	chr6	16763125		0.24005	2.133084	0.034346	0.931624
cg00190206	chr2	1.77E+08		0.280369	2.130003	0.034603	0.932091
cg22460710	chr17	34838831		0.407156	2.12924	0.034667	0.932714
cg12623695	chr1	53744325		0.173994	2.132621	0.034385	0.931624
cg27139841	chr20	44718745		-0.11847	-2.13229	0.034412	0.93166
cg23288099	chr11	1.16E+08		0.278279	2.130921	0.034527	0.932018
cg12600692	chr2	1.99E+08	ANKRD44	0.469873	2.133678	0.034297	0.931495

cg00537709	chr16	89320298		-0.19352	-2.13319	0.034337	0.931624
cg18161327	chr13	1.01E+08		0.316128	2.131544	0.034474	0.931769
cg09867343	chr16	2664939		0.305514	2.131437	0.034483	0.931769
cg21179092	chr12	1.24E+08		-0.16912	-2.13122	0.034502	0.931769
cg00243922	chr2	32502781		0.360092	2.132023	0.034434	0.93166
cg04147741	chr3	64991635		-0.2543	-2.13251	0.034394	0.931624
cg24748769	chr14	57271015		0.363403	2.133743	0.034291	0.931495
cg09224134	chr4	1.87E+08		-0.17193	-2.13259	0.034387	0.931624
cg14352140	chr9	1.39E+08		0.300892	2.133563	0.034306	0.931505
cg12297010	chr1	2096582		0.328141	2.129771	0.034623	0.932378
cg00345704	chr17	39216495	ACLY	0.354337	2.132972	0.034355	0.931624
cg00767496	chr15	45671279	GATM;DUOX2	0.283865	2.132944	0.034358	0.931624
cg07269374	chr12	66176707	HELB;IRAK3	-0.3632	-2.13169	0.034462	0.931684
cg12800122	chr1	3162454		-0.3685	-2.13175	0.034457	0.931684
cg26001207	chr5	92921509		0.271087	2.136107	0.034095	0.930123
cg17839166	chr5	53751272		-0.41765	-2.13119	0.034504	0.931769
cg12162530	chr13	33591783	KL;STARD13	-0.38635	-2.13186	0.034448	0.931684
cg05547895	chr3	1.97E+08		0.565358	2.130367	0.034573	0.932091
cg18083764	chr5	4230848		0.31217	2.130432	0.034567	0.932091
cg03924800	chr16	25042807		0.245884	2.130266	0.034581	0.932091
cg22821606	chr11	77532200		0.150636	2.130946	0.034524	0.932018
cg25702652	chr2	1.64E+08		0.342302	2.131191	0.034504	0.931769
cg14866339	chr14	1.01E+08		-0.23242	-2.13114	0.034508	0.931814
cg01218371	chr16	48844292		0.234834	2.133822	0.034285	0.931488

			RAB36;C22orf15;RTDR1;ENSG00000272019;GNAZ;CABIN1;MMP11				
cg05366982	chr22	23486678		0.411207	2.134146	0.034258	0.931171
cg17647744	chr11	8986217		-0.24093	-2.13364	0.0343	0.931495
cg01650776	chr7	1.51E+08		0.187218	2.128301	0.034746	0.932876
cg08175609	chr12	1.15E+08		0.29272	2.13203	0.034434	0.93166
cg01297756	chr13	1.01E+08		0.232789	2.127752	0.034793	0.932991
cg00190545	chr17	37073701		0.219976	2.131787	0.034454	0.931684
cg04480708	chr16	1225588		-0.39031	-2.12969	0.03463	0.932378
cg24873811	chr5	42972500		0.415943	2.130148	0.034591	0.932091
cg19128113	chr4	1.74E+08		0.239416	2.131323	0.034493	0.931769
cg15705062	chr19	5110748		-0.19756	-2.13034	0.034575	0.932091
cg05473677	chr3	1.96E+08	NRROS	-0.22806	-2.13014	0.034592	0.932091
cg23606171	chr1	2559822		0.216607	2.130616	0.034552	0.932091
cg07222113	chr8	1.04E+08		-0.22969	-2.13588	0.034114	0.930379
cg21647975	chr2	1.75E+08		-0.20138	-2.12769	0.034798	0.932991
cg01260103	chr11	68609203		-0.1669	-2.13078	0.034538	0.932091
			HOXB4;MIR10A;PRR15L;HOXB3;HOXB-AS2;NXPH3				
cg05888755	chr17	46682319		0.30756	2.133031	0.03435	0.931624
cg24005685	chr4	1.12E+08		0.246105	2.133001	0.034353	0.931624
cg27584828	chr1	2.32E+08		-0.16165	-2.12831	0.034745	0.932876
cg00938877	chr1	2.48E+08		0.320437	2.13093	0.034526	0.932018

cg00741954	chr6	1766046		0.521452	2.132577	0.034388	0.931624
cg15105326	chr3	1.47E+08		0.318687	2.132886	0.034362	0.931624
cg22088420	chr19	48024073		-0.21665	-2.13133	0.034493	0.931769
cg18702935	chr13	48507440	LPAR6	0.344696	2.137871	0.033949	0.929585
cg12830299	chr9	1.39E+08		-0.16757	-2.13395	0.034274	0.931255
cg18555199	chr3	1.81E+08		-0.19945	-2.13301	0.034352	0.931624
cg04849508	chr7	2801959	ENSG00000176349	-0.25911	-2.13419	0.034254	0.931144
cg19545621	chr2	2.08E+08		-0.22628	-2.12885	0.0347	0.932714
cg06420324	chr11	73309256		-0.26839	-2.13128	0.034497	0.931769
cg24634568	chr1	43250769		0.423758	2.128513	0.034728	0.932872
cg12789173	chr11	1.18E+08		-0.33432	-2.12916	0.034674	0.932714
cg08940827	chr15	30010985		-0.37487	-2.13075	0.034541	0.932091
cg00651016	chr16	552754	NME4;CACNA1H;UNKL;RAB11FIP3;RGS11;TPSD1;SOX8;CLCN7	-0.36136	-2.13098	0.034521	0.932018
cg02695697	chr8	89255591		-0.26105	-2.13147	0.034481	0.931769
cg10847673	chr10	1.12E+08	XPNPEP1	-0.31306	-2.13244	0.0344	0.931624
cg11900210	chr18	34915648		-0.29698	-2.12813	0.034761	0.932991
cg04401038	chr10	1462906		-0.2619	-2.13499	0.034188	0.930713
cg25098834	chr5	1.73E+08		-0.26756	-2.13269	0.034379	0.931624
cg01040634	chr10	1144616		-0.28491	-2.12828	0.034748	0.932876
cg07123769	chr5	1809881		-0.24047	-2.13007	0.034598	0.932091
cg05595301	chr8	1.45E+08		-0.28498	-2.12874	0.034709	0.932714
cg01488191	chr17	21033752		-0.29799	-2.1288	0.034704	0.932714

cg23391368	chr13	1.12E+08		0.286566	2.129137	0.034676	0.932714
cg14108015	chr10	99539219		-0.17471	-2.12877	0.034707	0.932714
cg21144941	chr22	17680575	CECR1	-0.41977	-2.1318	0.034453	0.931684
ch.19.58852620F	chr19	54160808		-0.25397	-2.13195	0.034441	0.93166
cg19909239	chr4	1.12E+08		0.238889	2.128534	0.034727	0.932872
cg07639900	chr10	3828932		0.254542	2.130011	0.034603	0.932091
cg20818417	chr1	76082690		0.352918	2.130239	0.034584	0.932091
cg02538280	chr7	1.58E+08		-0.22033	-2.13125	0.034499	0.931769
cg25353436	chr10	10839523		0.434583	2.128422	0.034736	0.932876
cg08975922	chr6	1378677		0.251729	2.128151	0.034759	0.932991
cg20370839	chr8	42295009	THAP1	0.273376	2.130261	0.034582	0.932091
cg12172046	chr22	19718480		-0.14304	-2.13211	0.034427	0.93166
cg13245539	chr17	17717265		-0.29226	-2.13581	0.03412	0.930379
cg00739644	chr21	42879658		-0.24267	-2.12918	0.034673	0.932714
cg07074316	chr7	1271604		-0.28664	-2.1317	0.034462	0.931684
cg04442406	chr3	1.46E+08		0.429799	2.130171	0.034589	0.932091
cg21312695	chr2	29597701		0.225272	2.128056	0.034767	0.932991
cg17160751	chr4	1.05E+08		-0.33178	-2.12829	0.034747	0.932876
cg05287297	chr13	28396052		0.225348	2.13211	0.034427	0.93166
cg12462705	chr5	1.73E+08	SNORA74B	-0.27056	-2.13191	0.034444	0.931666
ch.9.1078185R	chr9	84472891		0.23682	2.128567	0.034724	0.932869
cg13207501	chr1	38470665		0.188036	2.12795	0.034776	0.932991
cg19950823	chr10	17686414		-0.18691	-2.13009	0.034596	0.932091
cg06893288	chr12	1.33E+08		-0.52013	-2.12739	0.034823	0.933112
cg01830061	chr3	1.58E+08		-0.20824	-2.12791	0.034779	0.932991

cg20441553	chr5	1271821	NDUFS6	-0.16877	-2.12783	0.034786	0.932991
cg23950875	chr6	4078943		0.313128	2.129054	0.034683	0.932714
cg12062051	chr8	1.22E+08	SNTB1	0.417671	2.128753	0.034708	0.932714
cg14454907	chr2	1.77E+08		0.263917	2.133397	0.03432	0.931624
cg09813301	chr16	411182	MSLN	-0.21421	-2.12891	0.034695	0.932714
cg20170943	chr10	3536773		-0.34636	-2.12962	0.034636	0.932378
cg05082708	chr4	4765299		-0.32914	-2.13016	0.03459	0.932091
cg08113895	chr4	1.48E+08	EDNRA	0.574556	2.126425	0.034904	0.933766
cg10721030	chr1	1.66E+08		-0.20757	-2.12899	0.034688	0.932714
cg15033140	chr6	1.7E+08	PSMB1	0.447476	2.126567	0.034892	0.933766
cg09019410	chr2	45233634	SIX2;SLC3A1	0.346538	2.127109	0.034847	0.933467
cg19114999	chr3	1.82E+08		-0.32303	-2.1278	0.034789	0.932991
cg21038785	chr15	53087068		0.33732	2.127978	0.034773	0.932991
cg05293216	chr9	35080812	PIGO	0.533326	2.12832	0.034745	0.932876
cg14253677	chr9	2717621		0.248027	2.127079	0.034849	0.933476
cg01406506	chr5	1.48E+08		-0.29096	-2.12786	0.034784	0.932991
cg07279557	chr21	46875417		-0.39359	-2.12783	0.034786	0.932991
cg23398047	chr8	49783505	MCM4	-0.36139	-2.12944	0.034651	0.9326
cg01449674	chr10	31531682		0.313201	2.127454	0.034818	0.933112
cg03566853	chr2	1.07E+08		-0.20564	-2.12786	0.034783	0.932991
cg13464876	chr9	1.12E+08		0.14545	2.131782	0.034455	0.931684
cg08341316	chr4	1.08E+08		0.330007	2.127649	0.034801	0.932991
cg13580008	chr15	65341868	PDCD7	0.240428	2.130113	0.034594	0.932091
cg17511731	chr5	2278874	ENSG00000188002;LPCAT1	-0.34754	-2.12828	0.034748	0.932876

cg22900229	chr2	25391773		-0.33414	-2.12764	0.034802	0.932991
cg12257384	chr1	935456		-0.32578	-2.12587	0.034951	0.933766
cg02449978	chr3	48230167	KIF9-AS1	-0.20005	-2.1292	0.034671	0.932714
cg20898829	chr20	3229660		-0.29546	-2.12894	0.034693	0.932714
cg05800761	chr18	56529852		0.321174	2.13045	0.034566	0.932091
cg13062396	chr2	2.31E+08		0.302827	2.126301	0.034915	0.933766
cg02513547	chr4	26029960		-0.24912	-2.1276	0.034805	0.932991
cg23968893	chr1	1.67E+08		-0.40201	-2.13164	0.034466	0.931739
cg23523522	chr13	64418676		-0.32646	-2.12597	0.034943	0.933766
cg26291195	chr7	98610531		-0.30116	-2.12673	0.034878	0.933766
cg20592734	chr6	33142317	GRM4;RGL2;PHF1;BAK1;PSMB8;TAP2;SYNGAP1	-0.1876	-2.12801	0.03477	0.932991
cg05926862	chr5	65220004		-0.32457	-2.13132	0.034493	0.931769
cg16731692	chr15	72118844	MYO9A;THSD4;ENSG00000260729	0.250646	2.13227	0.034414	0.93166
cg25689525	chr7	1.4E+08		-0.25028	-2.12906	0.034682	0.932714
cg14959580	chr4	1402198		0.414477	2.125361	0.034994	0.933766
cg15080396	chr19	3879858		0.292709	2.129191	0.034672	0.932714
cg01555270	chr19	41945599		-0.17805	-2.12809	0.034764	0.932991
cg12815916	chr2	1.31E+08		0.261651	2.130037	0.034601	0.932091
cg25748764	chr20	31261814	HCK	-0.19326	-2.12925	0.034667	0.932714
cg23231727	chr6	33156974		-0.24428	-2.12865	0.034717	0.932846
cg17297653	chr12	1.22E+08	P2RX4	-0.22993	-2.12893	0.034693	0.932714
cg15833873	chr5	1.08E+08		0.353667	2.124933	0.035031	0.933766

cg19797042	chr13	1.15E+08		0.272161	2.127305	0.03483	0.933141
cg05009601	chr7	1.22E+08		0.280625	2.127032	0.034853	0.933524
cg22553011	chr20	10015964		0.296439	2.129266	0.034665	0.932714
cg07394799	chr17	81032822		-0.26121	-2.12608	0.034933	0.933766
cg19206914	chr12	43173345		-0.29662	-2.129	0.034688	0.932714
cg02146079	chr5	1.41E+08		0.500462	2.124269	0.035087	0.934048
cg14007156	chr9	1.38E+08		0.200672	2.124096	0.035101	0.934289
cg07469757	chr13	1.12E+08		0.253223	2.126922	0.034862	0.933651
cg07610406	chr2	2.14E+08		-0.15867	-2.12967	0.034631	0.932378
cg08813062	chr2	1.75E+08		0.325434	2.125112	0.035015	0.933766
cg07893491	chr4	38056620		0.207463	2.127629	0.034803	0.932991
cg02964555	chr2	1.57E+08		0.297786	2.130266	0.034581	0.932091
cg01934638	chr1	3720744		0.44366	2.126648	0.034886	0.933766
cg19320505	chr11	1.07E+08	C11orf65	-0.16839	-2.12765	0.034801	0.932991
cg24139520	chr8	28573832		0.345207	2.125642	0.034971	0.933766
cg18660278	chr19	6166026		0.276153	2.129461	0.034649	0.9326
cg00205598	chr10	1.34E+08		0.250473	2.126278	0.034917	0.933766
cg21700070	chr19	54641527		-0.14607	-2.12477	0.035045	0.933766
cg16538390	chr10	1.35E+08		-0.20567	-2.12755	0.034809	0.932997
cg24965080	chr18	24133451		-0.3583	-2.12638	0.034908	0.933766
cg10628035	chr2	6086404		-0.31551	-2.12741	0.034821	0.933112
cg21619017	chr6	31465649		-0.20272	-2.12517	0.03501	0.933766
cg24643062	chr3	1.84E+08		0.18951	2.126191	0.034924	0.933766
cg24480695	chr11	18727628	E2F8;ENSG0000 0255160	0.480007	2.125662	0.034969	0.933766

cg21680474	chr1	28463306	ATPIF1	0.268466	2.126074	0.034934	0.933766
cg23146172	chr1	2.31E+08		0.336031	2.125909	0.034948	0.933766
cg26393534	chr14	1.02E+08	MOK	-0.24006	-2.131	0.03452	0.932018
cg08757730	chr16	409254		-0.16744	-2.12565	0.03497	0.933766
cg02718966	chr3	42846970		0.28516	2.125523	0.034981	0.933766
cg06522206	chr12	1.18E+08		-0.30087	-2.12623	0.03492	0.933766
cg15068522	chr6	57086371		0.202801	2.126042	0.034937	0.933766
cg00436996	chr2	77962212		-0.24362	-2.12769	0.034798	0.932991
cg26474203	chr6	1.5E+08		-0.24294	-2.1304	0.03457	0.932091
cg22891862	chr10	1.01E+08		0.32962	2.123342	0.035166	0.934584
cg12802822	chr11	58910102		0.155473	2.125463	0.034986	0.933766
cg22169523	chr12	1.31E+08		-0.33499	-2.12658	0.034891	0.933766
cg19753526	chr2	1.06E+08		0.201112	2.1248	0.035042	0.933766
cg27236539	chr20	62289627		0.210569	2.125502	0.034982	0.933766
cg18767321	chr22	39096505		-0.1926	-2.12656	0.034893	0.933766
cg00119053	chr6	1.6E+08		-0.25907	-2.12479	0.035043	0.933766
cg26343761	chr4	3254969	ENSG00000206113;ENSG00000248399;ENSG00000249428;SH3BP2;ENSG00000243894;NOP14;FAM86EP;ENSG0000261643	0.312966	2.131463	0.034481	0.931769
cg13188011	chr20	39319326		0.240278	2.128829	0.034702	0.932714
cg04483701	chr16	86253703		-0.22793	-2.13043	0.034568	0.932091

cg23873703	chr3	1.56E+08		0.331701	2.12664	0.034886	0.933766
cg21444086	chr1	2.25E+08		-0.27558	-2.12736	0.034825	0.933112
cg06826929	chr19	5243870		0.230155	2.123812	0.035126	0.934289
cg04024481	chr13	1.14E+08	F10;GAS6	-0.26044	-2.12685	0.034869	0.933702
cg03875819	chr10	4386802		-0.66467	-2.12655	0.034894	0.933766
cg22089024	chr1	23038361		-0.25933	-2.12926	0.034665	0.932714
cg05194316	chr13	98869706	DOCK9;STK24-AS1;FARP1	0.870245	2.125512	0.034981	0.933766
cg20115802	chr19	51321569		0.320147	2.126472	0.0349	0.933766
cg09845133	chr1	95699825		-0.20516	-2.12308	0.035188	0.934694
cg03105348	chr10	50599620		0.285284	2.123178	0.035179	0.934605
cg16803509	chr12	1.32E+08		0.27412	2.127818	0.034787	0.932991
cg04352803	chr2	36824275		0.262004	2.123879	0.03512	0.934289
cg08174789	chr8	2078112		-0.32681	-2.12607	0.034934	0.933766
cg04269351	chr14	68142533	RAD51B;ENSG00000240210;RDH11	0.216467	2.128851	0.0347	0.932714
cg19946982	chr10	1.05E+08		0.168822	2.125121	0.035015	0.933766
cg05058846	chr10	79270707	DLG5-AS1	0.191084	2.129753	0.034624	0.932378
cg09263164	chr14	77605789		0.25099	2.124472	0.03507	0.93393
cg20285546	chr19	58728728		0.423275	2.123339	0.035166	0.934584
cg03167339	chr7	1498866		-0.1436	-2.12664	0.034886	0.933766
cg21948665	chr15	41519554		0.27048	2.125329	0.034997	0.933766
cg16558994	chr1	21023132		-0.68655	-2.14763	0.033153	0.928551
cg02963229	chr11	1.26E+08		-0.60115	-2.12629	0.034916	0.933766
cg16453560	chr11	1.3E+08		0.351318	2.125693	0.034966	0.933766

cg04460847	chr7	1.28E+08	LRRC4;SMO	0.313223	2.123223	0.035176	0.934605
cg17245337	chr1	25558596		-0.19544	-2.12673	0.034879	0.933766
cg09140966	chr7	1.56E+08		-0.18225	-2.1252	0.035008	0.933766
cg03103525	chr16	4817352		-0.19842	-2.12561	0.034973	0.933766
cg00469015	chr15	69744684		0.405323	2.124344	0.03508	0.934048
cg05387565	chr15	93128729		-0.3474	-2.12154	0.035319	0.934815
cg17010968	chr15	31619006		-0.17377	-2.12378	0.035128	0.934289
cg07318145	chr1	2.48E+08		-0.41618	-2.12316	0.035181	0.934605
cg23065793	chr3	1.7E+08		-0.19443	-2.12388	0.03512	0.934289
cg18278184	chr10	70847430	TSPAN15	0.527063	2.125309	0.034999	0.933766
cg21302562	chr1	44497012		0.162775	2.127344	0.034827	0.933112
cg17266963	chr15	82959442	CSPG4P9;ENSG00000259328;ENSG00000255769;CSPG4P8;CSPG4P10	0.384769	2.125566	0.034977	0.933766
cg23276912	chr1	35326118		0.239109	2.126439	0.034903	0.933766
cg06966277	chr1	1.01E+08	ENSG00000261254	-0.19023	-2.1269	0.034864	0.933651
cg06524531	chr13	98680120		-0.29871	-2.12354	0.035149	0.93436
cg18639342	chr2	38977756		0.164576	2.128342	0.034743	0.932876
cg10280223	chr15	83378836		-0.17066	-2.12469	0.035051	0.933801
cg26149567	chr19	866120		-0.35079	-2.12859	0.034722	0.932869
cg09333631	chr3	44802604		0.399401	2.124789	0.035043	0.933766
cg22888181	chr10	1.06E+08	ITPRIP	-0.39604	-2.12607	0.034934	0.933766
cg13356366	chr20	5100660		-0.13886	-2.12893	0.034694	0.932714
cg22226527	chr19	48823408	C5AR2	-0.21265	-2.12154	0.035319	0.934815

cg01008263	chr16	70605696		-0.29835	-2.13049	0.034563	0.932091
cg23031493	chr12	1.14E+08		0.265453	2.121747	0.035301	0.934815
cg00759699	chr19	12991918		0.305855	2.124357	0.035079	0.934048
cg17187755	chr2	2.43E+08		0.249221	2.125157	0.035012	0.933766
cg14312965	chr9	1.12E+08		-0.22464	-2.13051	0.034561	0.932091
cg18469917	chr18	12433231		-0.23363	-2.12453	0.035065	0.93393
cg10805039	chr17	750241	DOC2B	0.392836	2.124449	0.035072	0.93393
cg04618903	chr17	77914869		0.254144	2.127557	0.034809	0.932997
cg22076614	chr1	3335858		-0.24544	-2.12506	0.03502	0.933766
cg17030820	chr10	51549260	MSMB;OGDHL;ENSG00000235618	0.438621	2.128759	0.034708	0.932714
cg24520479	chr4	1.64E+08		-0.41127	-2.12244	0.035242	0.934815
cg27191207	chr4	1.24E+08		0.216652	2.125569	0.034977	0.933766
cg23970758	chr19	38893547		-0.1488	-2.12739	0.034823	0.933112
cg15742758	chr2	2.37E+08		-0.23079	-2.12549	0.034983	0.933766
cg24654266	chr2	1.15E+08		0.691498	2.125965	0.034943	0.933766
cg22640868	chr17	26661374		0.256985	2.126521	0.034896	0.933766
cg00885176	chr8	71581445		-0.19414	-2.12251	0.035237	0.934815
cg12144852	chr7	1.58E+08		-0.42575	-2.12561	0.034973	0.933766
cg03509927	chr7	22396296		-0.13834	-2.12537	0.034994	0.933766
cg15231462	chr1	2.48E+08	NLRP3	-0.32065	-2.12246	0.035241	0.934815
cg21245287	chr2	2.31E+08		-0.21812	-2.12857	0.034723	0.932869
cg21275932	chr21	46410877		-0.23516	-2.12553	0.03498	0.933766
cg26665507	chr19	3596441		-0.27438	-2.12365	0.03514	0.934289
cg02399469	chr19	57631118		-0.37659	-2.12523	0.035005	0.933766

cg21233675	chr12	66122497		0.347559	2.123147	0.035182	0.934605
cg05568454	chr11	30567189	DCDC1;MPPED2; ENSG00000255029	0.309153	2.133064	0.034348	0.931624
cg01473942	chr4	41218683		0.286022	2.122082	0.035273	0.934815
cg09430060	chr19	49306842		-0.24706	-2.12383	0.035124	0.934289
cg13145504	chr11	2594840	TNNT3	-0.26525	-2.12428	0.035086	0.934048
cg19856139	chr1	1.85E+08		-0.1641	-2.12718	0.03484	0.933359
cg03522132	chr2	74725040		0.229214	2.124544	0.035064	0.93393
cg10009930	chr1	9599403		-0.17586	-2.12134	0.035336	0.934815
cg25133786	chr1	1.45E+08		0.367427	2.124896	0.035034	0.933766
cg06379403	chr1	1.55E+08		0.256643	2.120693	0.035391	0.934815
cg01385836	chr2	1.91E+08		-0.31854	-2.12384	0.035123	0.934289
cg16842187	chr2	26951473		-0.36518	-2.12231	0.035254	0.934815
cg09210135	chr10	1.34E+08		0.250797	2.124647	0.035055	0.933834
cg24946597	chr8	31497464		0.320496	2.127843	0.034785	0.932991
cg02568806	chr17	13400236		0.360618	2.124875	0.035035	0.933766
cg24608381	chr2	1.4E+08		-0.36201	-2.12534	0.034996	0.933766
cg01382281	chr19	56104340	ENSG00000269696	-0.34895	-2.12487	0.035036	0.933766
cg11615607	chr3	1.2E+08		0.379125	2.123207	0.035177	0.934605
cg00944433	chr1	1.08E+08		0.31621	2.125757	0.034961	0.933766
cg26785250	chr3	13461660		0.179056	2.122794	0.035212	0.934815
cg17061244	chr12	81331469		0.383796	2.120993	0.035366	0.934815
cg24355907	chr6	99273157		0.2218	2.126938	0.034861	0.933651
cg24792692	chr5	10229929		-0.26726	-2.12423	0.03509	0.934083
cg04425110	chr10	1.03E+08	BTRC	0.284235	2.123579	0.035145	0.934326

cg16802151	chr6	43211311		0.151398	2.121039	0.035362	0.934815
cg24704177	chr2	1.77E+08	HOXD-AS1;ENSG00000230552;HOXD3	0.232762	2.128448	0.034734	0.932876
cg01022370	chr8	8749074		0.27968	2.122475	0.035239	0.934815
cg02278111	chr6	1.11E+08		0.228016	2.126121	0.03493	0.933766
cg26278103	chr7	1.24E+08		0.264767	2.120275	0.035427	0.934815
cg06927717	chr12	1.23E+08		-0.27477	-2.12297	0.035197	0.934815
cg07707546	chr4	1.56E+08		0.23366	2.124939	0.03503	0.933766
cg19575132	chr14	21676297		-0.37243	-2.12371	0.035134	0.934289
cg16404784	chr14	38087605		0.308076	2.125806	0.034957	0.933766
cg10001845	chr13	20751945		0.368651	2.122046	0.035276	0.934815
cg07149454	chr10	43277850		-0.16599	-2.12373	0.035133	0.934289
cg00939618	chr14	77564292		-0.19211	-2.12962	0.034635	0.932378
cg07919131	chr16	725964		0.205181	2.12235	0.03525	0.934815
cg17916407	chr14	50234392		-0.17604	-2.12187	0.035291	0.934815
cg23808213	chr2	1.67E+08		-0.3807	-2.12169	0.035306	0.934815
cg00549706	chr9	1.39E+08		0.212854	2.125597	0.034974	0.933766
ch.11.721876F	chr11	34163014		-0.46735	-2.12325	0.035174	0.934605
cg25990678	chr19	4101212		-0.24638	-2.12337	0.035163	0.934584
cg15256743	chr12	94536509		-0.33895	-2.1205	0.035407	0.934815
cg05058706	chr6	17745633		0.290514	2.123891	0.035119	0.934289
cg24895871	chr12	54360836		0.228002	2.123742	0.035132	0.934289
cg09314803	chr17	79180344		-0.25298	-2.12084	0.035379	0.934815
cg13564064	chr9	1.26E+08		0.365874	2.12266	0.035224	0.934815

cg14873515	chr5	1.5E+08	SYNPO;PDGFRB;NDST1;CSNK1A1;ARSI	-0.26388	-2.1263	0.034915	0.933766
cg23619753	chr1	81593103		-0.29651	-2.12571	0.034965	0.933766
cg25032535	chr14	97207786		-0.27911	-2.121	0.035365	0.934815
cg18601466	chr10	1.33E+08		-0.19329	-2.12582	0.034955	0.933766
cg17146617	chr12	1.22E+08		0.215964	2.123336	0.035166	0.934584
cg00493358	chr16	88980724		-0.30106	-2.12062	0.035398	0.934815
cg19731164	chr5	1.73E+08		-0.18145	-2.1196	0.035485	0.934815
cg26796190	chr17	42083195		0.278459	2.119327	0.035508	0.934815
cg06321376	chr5	1.11E+08		0.291482	2.120981	0.035367	0.934815
cg10833393	chr19	46651227		-0.29479	-2.12408	0.035103	0.934289
cg20864389	chr11	84431970		0.264876	2.125289	0.035	0.933766
ch.3.3630245F	chr3	1.85E+08		-0.33781	-2.1226	0.035229	0.934815
cg19257762	chr7	1.58E+08	PTPRN2	-0.27648	-2.12486	0.035037	0.933766
cg07137751	chr14	71377000	PCNX;MAP3K9	-0.42209	-2.12392	0.035116	0.934289
cg20642138	chr5	1.41E+08		-0.15646	-2.12208	0.035273	0.934815
cg21321248	chr7	1.51E+08		0.249291	2.120489	0.035409	0.934815
cg09853898	chr19	591536		0.331803	2.120182	0.035435	0.934815
cg16527805	chr2	63816164		-0.25852	-2.12012	0.03544	0.934815
cg04301800	chr14	50101980		-0.15566	-2.125	0.035025	0.933766
cg06134964	chr3	52812033		0.213515	2.122818	0.03521	0.934815
cg27607583	chr16	3767744	ENSG00000272079	-0.15954	-2.12155	0.035318	0.934815
cg03517250	chr16	85196491		-0.31604	-2.12163	0.035312	0.934815
cg18206567	chr18	74828771		0.207508	2.122213	0.035262	0.934815

cg14488012	chr13	27166439	GTF3A	-0.33146	-2.11977	0.035471	0.934815
cg09515766	chr16	67021338		0.238146	2.121534	0.03532	0.934815
cg00362285	chr1	2.36E+08	RYR2;NID1;MTR	-0.31022	-2.12588	0.03495	0.933766
cg26720598	chr19	37571729		-0.24355	-2.12658	0.034891	0.933766
cg21534584	chr20	57485816		0.326214	2.121185	0.035349	0.934815
cg20607318	chr19	36391512		-0.2124	-2.12368	0.035137	0.934289
cg08606356	chr11	35160571		-0.22011	-2.12079	0.035383	0.934815
cg18573196	chr7	45965873		-0.32547	-2.12124	0.035345	0.934815
cg02742555	chr11	15200692		-0.36269	-2.12492	0.035032	0.933766
cg24154937	chr12	5153711		0.246771	2.121654	0.035309	0.934815
cg03623568	chr16	6915990		0.35947	2.121149	0.035352	0.934815
cg03568957	chr12	6155761		-0.24343	-2.11989	0.03546	0.934815
cg18492208	chr14	1.02E+08		-0.22474	-2.11843	0.035585	0.934815
cg09847839	chr9	213650		0.310881	2.125595	0.034975	0.933766
cg23956260	chr10	23632740		0.240334	2.119706	0.035476	0.934815
cg17827271	chr4	1.89E+08		-0.36228	-2.11913	0.035525	0.934815
cg24810917	chr11	79130675	TENM4	-0.35624	-2.12473	0.035048	0.933766
cg19721801	chr19	12807424		0.140289	2.119069	0.03553	0.934815
cg20006924	chr15	61521976		0.217888	2.120727	0.035388	0.934815
cg21942218	chr1	7723420		-0.23059	-2.12367	0.035138	0.934289
cg15584630	chr3	1.5E+08		0.200266	2.119736	0.035473	0.934815
cg04657205	chr15	34807050	GOLGA8B;ENSG00000231409	0.226182	2.12132	0.035338	0.934815
cg19863456	chr1	9186001		0.342249	2.122455	0.035241	0.934815
cg20949568	chr5	16938859		0.251748	2.122226	0.035261	0.934815

cg06700521	chr13	73413970		0.31807	2.120628	0.035397	0.934815
cg21644111	chr1	2.32E+08		-0.21262	-2.11896	0.03554	0.934815
cg14847658	chr15	33489750	RYR3	-0.25581	-2.11815	0.035609	0.934815
cg08561442	chr16	49891857		-0.21928	-2.12386	0.035122	0.934289
cg01712686	chr1	2.36E+08		0.265926	2.120812	0.035381	0.934815
cg19214594	chr22	50629038	ADM2;ENSG00000273188	0.298879	2.122816	0.03521	0.934815
cg09584118	chr11	45273975		0.260673	2.118598	0.035571	0.934815
cg23295592	chr1	19971176		0.191955	2.118699	0.035562	0.934815
cg07469063	chr15	69755704		0.243771	2.118049	0.035618	0.934815
cg26749518	chr19	51506165		0.548962	2.122128	0.035269	0.934815
cg06371628	chr16	89173705	GALNS;ENSG00000260259;SPATA33;GAS8;C16orf3	0.586291	2.122988	0.035196	0.934815
cg14780115	chr6	31660861	LSM2;AIF1;TUBB	0.249987	2.122084	0.035273	0.934815
cg17534770	chr3	1.19E+08		-0.19554	-2.11941	0.035501	0.934815
cg03695666	chr19	38210224	CATSPERG	0.204525	2.120641	0.035396	0.934815
cg10336671	chr7	31008806	PDE1C	-0.30313	-2.11996	0.035454	0.934815
cg25556432	chr2	2.4E+08		0.233673	2.123151	0.035182	0.934605
cg04496920	chr16	2032394	ZG16B;TBC1D24	0.187784	2.123972	0.035112	0.934289
cg05239311	chr15	78913147		0.349206	2.122787	0.035213	0.934815
cg14408173	chr9	1.4E+08		0.498929	2.120498	0.035408	0.934815
cg09797312	chr18	74206912		-0.2134	-2.12501	0.035024	0.933766
cg05119374	chr6	32399399		-0.20654	-2.12475	0.035046	0.933766
cg01838971	chr11	45825448	MAPK8IP1;TSPAN18;CRY2	0.234951	2.120818	0.035381	0.934815

cg02203656	chr7	23285761		-0.23708	-2.12144	0.035328	0.934815
cg13414679	chr11	70243843		0.228715	2.119533	0.035491	0.934815
cg26372423	chr22	20067491		-0.14678	-2.11941	0.035501	0.934815
cg02062191	chr9	1.39E+08		-0.1467	-2.1194	0.035502	0.934815
cg23178186	chr11	1321213	PKP3	0.349708	2.121798	0.035297	0.934815
cg15236460	chr22	30163365		0.138561	2.11992	0.035457	0.934815
cg15427941	chr14	58711122		0.321977	2.12093	0.035371	0.934815
cg22515885	chr2	1573839		-0.25284	-2.11876	0.035557	0.934815
cg23630442	chr8	18245225	SH2D4A;PSD3;AS AH1	0.20669	2.120638	0.035396	0.934815
cg17416748	chr6	28872093		-0.20807	-2.12259	0.03523	0.934815
cg22927653	chr12	66860050		0.315346	2.124299	0.035084	0.934048
cg25079865	chr2	2.2E+08		-0.27964	-2.11729	0.035683	0.934815
cg13321077	chr2	2.2E+08		0.369895	2.118757	0.035557	0.934815
cg25609749	chr6	3743352		0.361876	2.121161	0.035351	0.934815
cg13433881	chr2	96804750		-0.28269	-2.12046	0.035411	0.934815
cg09417038	chr21	47716443	YBEY	0.444508	2.121424	0.035329	0.934815
cg02364831	chr16	52417584		-0.27455	-2.12212	0.035269	0.934815
cg10769658	chr11	33061540		-0.17825	-2.1211	0.035357	0.934815
cg26172108	chr7	25220162		0.199321	2.119496	0.035494	0.934815
cg08942939	chr1	1.2E+08	ENSG00000261662	0.353958	2.117594	0.035657	0.934815
cg06233815	chr17	10105216		0.371289	2.124485	0.035069	0.93393
cg09534243	chr6	1.07E+08		0.203119	2.117301	0.035682	0.934815
cg01230207	chr19	54107821	LENG9	-0.24489	-2.12449	0.035068	0.93393

cg24066198	chr19	58695006	ZNF274;ZNF154;ENSG00000268948	0.408003	2.116683	0.035735	0.934815
cg22535057	chr3	9542104		0.169143	2.116985	0.035709	0.934815
cg27116232	chr22	35775959		0.16748	2.117886	0.035632	0.934815
cg07760622	chr10	1.18E+08	HSPA12A;ENO4;ENSG00000225302	-0.2078	-2.12114	0.035353	0.934815
cg21416602	chr10	74927745		0.218961	2.116022	0.035792	0.934815
cg14854758	chr22	46727740		-0.2044	-2.12026	0.035428	0.934815
cg07575409	chr6	18694265		-0.25829	-2.11794	0.035627	0.934815
cg04776099	chr12	52464244		0.205744	2.118012	0.035621	0.934815
cg11289941	chr10	35207290	CUL2	0.215752	2.11819	0.035606	0.934815
cg21317088	chr18	48724267		0.157819	2.118783	0.035555	0.934815
cg14089307	chr14	69446181		-0.17863	-2.11874	0.035558	0.934815
cg12235146	chr16	1550585		-0.30762	-2.1197	0.035476	0.934815
cg20532972	chr3	1.71E+08		-0.27367	-2.12377	0.035129	0.934289
cg03455408	chr10	3171362		-0.35925	-2.11931	0.03551	0.934815
cg23045610	chr1	1.09E+08		-0.29114	-2.12194	0.035285	0.934815
cg13210580	chr1	1.61E+08		0.342826	2.121126	0.035354	0.934815
cg04469016	chr16	88976453	CYBA	-0.21869	-2.12128	0.035341	0.934815
cg23889440	chr18	48086416		0.206911	2.118665	0.035565	0.934815
cg14125604	chr14	85998439		0.330821	2.119463	0.035496	0.934815
cg05665714	chr3	1.61E+08		-0.28988	-2.11904	0.035533	0.934815
cg13123826	chr13	1.13E+08		-0.22604	-2.11912	0.035526	0.934815
cg02788718	chr8	10483120	ENSG00000269918	-0.20037	-2.11806	0.035617	0.934815
cg06734510	chr2	1.99E+08	HSPD1	-0.26941	-2.11678	0.035727	0.934815

cg03996195	chr18	55095229		0.335517	2.119074	0.03553	0.934815
cg07388806	chr6	7108895		0.186739	2.121248	0.035344	0.934815
cg14052996	chr9	1.32E+08		-0.19792	-2.12152	0.035321	0.934815
cg14382750	chr9	1E+08		0.218113	2.122086	0.035272	0.934815
cg19242448	chr6	80816807	ENSG00000261970	-0.24068	-2.11844	0.035585	0.934815
cg01519345	chr12	1.23E+08		-0.14856	-2.11731	0.035682	0.934815
cg05952715	chr17	7990985	ARHGEF15;CLDN7;TNFSF12;KCTD11;ELP5;MPDU1;MYH10;CTC1;VAMP2;NLGN2;SLC2A4;ACAP1;ATP1B2	-0.32556	-2.12359	0.035145	0.934326
cg03400060	chr5	78365801		0.245793	2.118937	0.035542	0.934815
cg26923810	chr16	20935690		0.241711	2.120148	0.035438	0.934815
cg13278115	chr2	47768650	BCYRN1	-0.14256	-2.11936	0.035505	0.934815
cg07779423	chr5	1948552		-0.47732	-2.1188	0.035553	0.934815
cg19052042	chr10	44321465		0.274964	2.125386	0.034992	0.933766
cg01079242	chr16	89689811		0.310552	2.121153	0.035352	0.934815
cg13801416	chr7	1.34E+08		-0.1851	-2.11809	0.035614	0.934815
cg10216615	chr20	37353158		0.288963	2.11892	0.035543	0.934815
cg24576133	chr2	69299868		0.257186	2.117755	0.035643	0.934815
cg17182870	chr22	19467413		0.198441	2.122438	0.035242	0.934815
cg03700679	chr2	1.78E+08		0.390325	2.120101	0.035442	0.934815
cg03660451	chr17	73664606		-0.25076	-2.11965	0.03548	0.934815
cg15073283	chr18	47090413	ENSG00000266696	-0.18497	-2.12221	0.035262	0.934815

cg23039807	chr2	2.4E+08		-0.3084	-2.11954	0.03549	0.934815
cg19178809	chr20	32074532		-0.31702	-2.11905	0.035532	0.934815
cg18599361	chr13	1.13E+08		0.314607	2.11988	0.035461	0.934815
cg18231229	chr6	90140023	BACH2;LYRM2;SRSF12	-0.18876	-2.12785	0.034784	0.932991
cg25160286	chr7	27282308		0.233805	2.12074	0.035387	0.934815
cg15423199	chr8	97274566		-0.16817	-2.11581	0.035811	0.934815
cg06928634	chr5	1.41E+08		0.416214	2.119201	0.035519	0.934815
cg03914397	chr5	1.52E+08		-0.32601	-2.12148	0.035324	0.934815
cg02011351	chr1	1.11E+08	KCNA3;AMPD2	0.200829	2.117863	0.035634	0.934815
cg00522403	chr16	31453591		0.569838	2.118278	0.035598	0.934815
cg27376271	chr18	70211835		0.362431	2.120322	0.035423	0.934815
cg00969787	chr1	45956256		-0.20187	-2.12021	0.035432	0.934815
cg21220719	chr15	91565613		-0.22237	-2.12038	0.035418	0.934815
cg16258445	chr2	1.12E+08		-0.13948	-2.11915	0.035523	0.934815
cg13896891	chr9	1.37E+08		-0.23534	-2.11857	0.035573	0.934815
cg15077922	chr4	2746542		-0.17212	-2.11781	0.035638	0.934815
cg13662628	chr9	1.28E+08		-0.39482	-2.11687	0.035719	0.934815
cg15398513	chr20	60718623		-0.1325	-2.12035	0.03542	0.934815
cg07017437	chr6	28601271		0.376593	2.117606	0.035656	0.934815
cg17916490	chr2	11810173		0.390245	2.119417	0.0355	0.934815
cg10457895	chr3	1.58E+08	MFSD1;GFM1	-0.27898	-2.11965	0.035481	0.934815
cg01440497	chr16	1273484		-0.22731	-2.11623	0.035774	0.934815
cg20999102	chr18	77516008		0.306525	2.115809	0.035811	0.934815
cg21950605	chr17	1077044	ENSG00000262003;MYO1C	-0.3603	-2.1221	0.035271	0.934815

cg23946844	chr6	1.69E+08		0.259756	2.11694	0.035713	0.934815
cg14644570	chr22	26962815		0.254499	2.118386	0.035589	0.934815
cg01905102	chr1	2.45E+08		-0.22466	-2.11776	0.035643	0.934815
cg18267434	chr1	1.93E+08		-0.22472	-2.11904	0.035533	0.934815
cg02848331	chr11	1.34E+08		0.194701	2.118368	0.03559	0.934815
cg23633543	chr10	1.35E+08		0.296753	2.115494	0.035838	0.934815
cg07505334	chr10	13629015		0.187736	2.117262	0.035685	0.934815
cg06933072	chr1	1.68E+08		-0.31683	-2.11621	0.035776	0.934815
cg02048968	chr5	188824		-0.19705	-2.11809	0.035614	0.934815
cg09910635	chr7	97361026		0.34648	2.121038	0.035362	0.934815
cg04614459	chr10	1.04E+08		-0.19272	-2.12059	0.0354	0.934815
cg14383655	chr19	57831544		-0.30226	-2.11958	0.035486	0.934815
cg00773818	chr12	52426922		0.155437	2.118642	0.035567	0.934815
cg26312888	chr14	1.02E+08		-0.28863	-2.11678	0.035727	0.934815
cg20672711	chr3	1.11E+08		-0.32196	-2.11599	0.035795	0.934815
cg02452840	chr4	1.46E+08		-0.35516	-2.11469	0.035908	0.934815
cg13943052	chr15	40987167	RAD51;RAD51-AS1	-0.15279	-2.12061	0.035398	0.934815
cg16041806	chr1	1.74E+08		-0.21486	-2.11491	0.035888	0.934815
cg10433104	chr11	18417767		0.14397	2.117713	0.035647	0.934815
cg25506413	chr11	59323620		0.331445	2.115827	0.035809	0.934815
cg18737349	chr4	1.57E+08		0.220585	2.117585	0.035658	0.934815
cg03108330	chr19	2900762		-0.1597	-2.11802	0.03562	0.934815
cg14072219	chr1	2.42E+08		-0.26333	-2.11608	0.035788	0.934815
cg14981313	chr1	42847055		0.224241	2.11709	0.0357	0.934815

cg05001598	chr9	1.14E+08		-0.26544	-2.11699	0.035709	0.934815
cg16848154	chr20	2785183	FASTKD5;C20orf194;HSPA12B;ZNF343	0.285458	2.115738	0.035817	0.934815
cg08365301	chr10	5523060		-0.26069	-2.11912	0.035526	0.934815
cg21448554	chr6	36564272		-0.37902	-2.1165	0.035751	0.934815
cg00777627	chr6	1.66E+08		-0.29862	-2.11561	0.035828	0.934815
cg10346511	chr11	30344563		-0.14333	-2.11558	0.03583	0.934815
cg08271318	chr19	44809193		0.167356	2.117026	0.035706	0.934815
cg01277890	chr5	1.39E+08		-0.19062	-2.11732	0.035681	0.934815
cg07111501	chr17	62207504		0.141733	2.116934	0.035714	0.934815
cg17659271	chr7	5334261	ENSG00000241269	-0.14092	-2.1179	0.03563	0.934815
cg18668753	chr19	57352657	PEG3;ZNF671;ZNF154	0.208482	2.116445	0.035756	0.934815
cg06471681	chr17	72984322		-0.20147	-2.11541	0.035845	0.934815
cg05873234	chr17	7737355		0.14797	2.116583	0.035744	0.934815
cg01495831	chr3	97886467		-0.35116	-2.11602	0.035793	0.934815
cg15790037	chr17	37321490		0.290036	2.115058	0.035876	0.934815
cg00486113	chr6	31105711		-0.23277	-2.11683	0.035723	0.934815
cg00782707	chr19	1460273	SCAMP4	-0.26375	-2.11951	0.035492	0.934815
cg14470792	chr4	1.83E+08		-0.36949	-2.11628	0.03577	0.934815
cg02071454	chr1	2.13E+08		0.232117	2.116979	0.03571	0.934815
cg00020778	chr12	1.1E+08		0.352126	2.119665	0.035479	0.934815
cg05471775	chr6	26027531		-0.32855	-2.11791	0.03563	0.934815
cg15843262	chr2	25473895		0.364952	2.117124	0.035697	0.934815
cg12384262	chr21	45744725		-0.24854	-2.11445	0.035928	0.934815

cg00115654	chr9	1.36E+08		0.260498	2.116105	0.035785	0.934815
cg24884142	chr1	1.2E+08		0.338744	2.115427	0.035844	0.934815
cg25881553	chr1	1.51E+08		0.272572	2.118837	0.03555	0.934815
cg01956147	chr2	17935879		0.173214	2.115726	0.035818	0.934815
cg03955764	chr10	45604781		0.32288	2.115718	0.035819	0.934815
cg06824199	chr1	47157809	ATPAF1	0.234612	2.118462	0.035582	0.934815
cg01886893	chr5	1.02E+08		0.173661	2.121528	0.03532	0.934815
cg13571852	chr2	97652491		0.257637	2.11568	0.035822	0.934815
cg26248173	chr1	1.67E+08		0.317912	2.11963	0.035482	0.934815
cg22989407	chr21	44590650		-0.32218	-2.11931	0.03551	0.934815
cg01032119	chr5	10857295		0.510581	2.113328	0.036025	0.934815
cg04496250	chr16	22382754		0.225344	2.115938	0.0358	0.934815
cg08844387	chr1	1114172		0.244586	2.12005	0.035446	0.934815
cg18766475	chr1	1.8E+08		0.378664	2.1158	0.035812	0.934815
cg17277845	chr12	58019807	ENSG00000270039	0.240134	2.116526	0.035749	0.934815
cg21031917	chr6	62596341		-0.35318	-2.11493	0.035886	0.934815
cg03355147	chr16	598833	FBXL16	-0.23384	-2.11563	0.035826	0.934815
cg17917922	chr10	55750870		-0.25264	-2.11565	0.035825	0.934815
cg20496311	chr17	1578602		0.247517	2.114868	0.035892	0.934815
cg21274136	chr15	69366047		-0.28834	-2.11689	0.035717	0.934815
cg14148253	chr7	1015460		0.237339	2.120293	0.035425	0.934815
cg05516755	chr16	889179		-0.26817	-2.1149	0.035889	0.934815
cg20063141	chr18	55101965		0.247035	2.114797	0.035898	0.934815
cg06905823	chr22	39638316		-0.1669	-2.11488	0.035891	0.934815
cg13855589	chr1	1.55E+08		0.360945	2.11566	0.035824	0.934815

cg18678851	chr3	12854554		-0.2243	-2.11406	0.035962	0.934815
cg07067280	chr2	2.2E+08		0.155816	2.117559	0.03566	0.934815
cg08119647	chr7	1295846		-0.26079	-2.11965	0.03548	0.934815
cg21122774	chr9	1.37E+08		-0.20736	-2.11417	0.035953	0.934815
cg16000599	chr22	19419185		-0.13949	-2.11585	0.035807	0.934815
cg25388527	chr18	43684054		0.28895	2.116278	0.03577	0.934815
cg00395929	chr15	57181938		0.184507	2.115427	0.035844	0.934815
cg06942814	chr7	27170819		0.354368	2.116615	0.035741	0.934815
cg19937572	chr13	1.01E+08		0.317256	2.114258	0.035945	0.934815
cg02037905	chr11	62067909		-0.24042	-2.11485	0.035893	0.934815
cg01548562	chr9	71836408		-0.37399	-2.11334	0.036024	0.934815
cg10997479	chr3	62362924		0.259692	2.117607	0.035656	0.934815
cg13926295	chr9	22009595		-0.2542	-2.11784	0.035636	0.934815
cg05396057	chr2	99224842		0.143405	2.116194	0.035778	0.934815
cg21350575	chr21	19617439		0.440673	2.114188	0.035951	0.934815
cg09240693	chr2	86038538		-0.31564	-2.11494	0.035886	0.934815
cg07733620	chr16	9184485		-0.15254	-2.11492	0.035888	0.934815
cg13290180	chr7	2082529		0.440122	2.116463	0.035754	0.934815
cg14209870	chr7	1.41E+08		0.231755	2.114085	0.03596	0.934815
cg00089464	chr6	29717223	ZNRD1-AS1	-0.22843	-2.11776	0.035643	0.934815
cg09448616	chr7	1798978		0.263123	2.116823	0.035723	0.934815
cg02303505	chr8	91592157		-0.27115	-2.11448	0.035925	0.934815
cg01652721	chr8	10755161		-0.32003	-2.11529	0.035856	0.934815
cg02097433	chr10	80538482		0.268249	2.114994	0.035881	0.934815
cg03549503	chr17	72197281		-0.16234	-2.11481	0.035897	0.934815

cg13280803	chr11	30255943	ENSG00000255029;DCDC1	-0.4071	-2.11246	0.036101	0.934815
cg10351740	chr7	38470121		-0.29199	-2.11925	0.035514	0.934815
cg26462569	chr12	1.32E+08	GPR133	-0.27703	-2.11831	0.035595	0.934815
cg07729537	chr4	1.86E+08		0.413665	2.117178	0.035693	0.934815
cg26665904	chr12	9227237		-0.27546	-2.11398	0.035969	0.934815
cg25802399	chr20	61847276		-0.13347	-2.11591	0.035802	0.934815
cg27310311	chr2	8813841		-0.18497	-2.116	0.035794	0.934815
cg00549566	chr7	37488253	ELMO1	0.214655	2.113481	0.036012	0.934815
cg00546808	chr1	28560335		-0.15705	-2.11563	0.035826	0.934815
cg11406050	chr17	34998759		-0.25945	-2.11517	0.035866	0.934815
cg06515771	chr6	26614168		0.238004	2.113323	0.036026	0.934815
cg26532930	chr7	1137659		-0.20296	-2.11732	0.03568	0.934815
cg10276818	chr6	31671292		0.213232	2.11505	0.035876	0.934815
cg16542898	chr11	1.3E+08		-0.26228	-2.11523	0.035861	0.934815
cg09702096	chr6	32171786		-0.2565	-2.11506	0.035875	0.934815
cg03088990	chr20	44540278		0.204854	2.115127	0.03587	0.934815
cg16029534	chr17	41197783		-0.18313	-2.11287	0.036065	0.934815
cg10559633	chr16	58582488		0.355501	2.115974	0.035796	0.934815
cg01952989	chr7	1986334		-0.26071	-2.11817	0.035607	0.934815
cg25385116	chr1	1.5E+08		0.28751	2.116568	0.035745	0.934815
cg21340230	chr15	89955105		0.191282	2.113629	0.035999	0.934815
cg11718030	chr11	27744363		0.247604	2.114583	0.035917	0.934815
cg20856413	chr11	16760217	RPS13	0.186699	2.114271	0.035944	0.934815
cg23305408	chr1	32169701		0.294952	2.113354	0.036023	0.934815

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ch.10.6019805R	chr10	5979799		-0.2868	-2.11256	0.036092	0.934815
cg03929816	chr8	1.41E+08		-0.25281	-2.11423	0.035947	0.934815
cg09481537	chr12	1.32E+08	GPR133;MMP17	0.326213	2.118502	0.035579	0.934815
cg22043634	chr8	1.45E+08		0.183189	2.115505	0.035837	0.934815
cg12884605	chr12	66123314	HELB;IRAK3	-0.27584	-2.11475	0.035903	0.934815
cg27341926	chr10	1.18E+08		0.238975	2.116031	0.035792	0.934815
cg14230606	chr2	43903526		0.463198	2.115125	0.03587	0.934815
cg24372043	chr1	1.09E+08		-0.16879	-2.11391	0.035975	0.934815
cg09606090	chr17	46184889		0.193356	2.11384	0.035981	0.934815
cg14284211	chr6	35570224		-0.4213	-2.11288	0.036064	0.934815
cg06257029	chr2	1.9E+08		-0.22333	-2.11667	0.035736	0.934815
cg18553570	chr12	48044905		-0.27844	-2.1138	0.035984	0.934815
cg10173694	chr12	1.33E+08		-0.42789	-2.11416	0.035953	0.934815
cg23099959	chr15	1.01E+08		0.300555	2.114498	0.035924	0.934815
cg20979815	chr11	94296907		-0.31663	-2.11877	0.035556	0.934815
cg23198623	chr2	1.11E+08		0.354818	2.115175	0.035865	0.934815
cg23748463	chr7	4948052		-0.37297	-2.11246	0.036101	0.934815
cg20585869	chr8	24772333	CDCA2	0.427152	2.113262	0.036031	0.934815
cg03928182	chr12	71314662		-0.19997	-2.11457	0.035918	0.934815
cg01742826	chr19	47104737		0.201836	2.115651	0.035824	0.934815
cg13790603	chr3	24536478		0.432561	2.112069	0.036135	0.934954
cg03384128	chr15	40311512		0.327719	2.116566	0.035745	0.934815
cg01941585	chr12	66240388	HMGA2	-0.37172	-2.11616	0.03578	0.934815
cg01373852	chr13	1.13E+08		-0.22253	-2.1207	0.035391	0.934815

cg13591673	chr11	1.06E+08		-0.28825	-2.11517	0.035866	0.934815
cg21279828	chr8	48343009		-0.26929	-2.11511	0.035872	0.934815
cg15102365	chr2	39004656		0.269893	2.115349	0.03585	0.934815
cg02174634	chr8	37824306	ENSG00000253586	-0.26338	-2.11472	0.035904	0.934815
cg03949306	chr22	46663783		-0.16662	-2.11346	0.036014	0.934815
cg15531450	chr15	26047499		-0.22982	-2.11665	0.035739	0.934815
cg14484434	chr8	1.42E+08		0.220005	2.113452	0.036015	0.934815
cg03152602	chr17	38244572		-0.27212	-2.11419	0.03595	0.934815
cg19361430	chr8	6501499		-0.2402	-2.11409	0.035959	0.934815
cg21160824	chr9	1.32E+08		-0.18722	-2.1152	0.035863	0.934815
cg04534276	chr10	75255926		-0.14948	-2.1172	0.035691	0.934815
cg01309870	chr6	28584035	HCG14;ZSCAN12	0.351643	2.11339	0.03602	0.934815
cg10155126	chr7	36407188		0.286526	2.112488	0.036098	0.934815
cg22376465	chr2	1.37E+08		0.245913	2.11429	0.035942	0.934815
cg06579875	chr19	46001962	SNRPD2	0.180682	2.112899	0.036063	0.934815
cg22861116	chr5	1.41E+08		0.360163	2.116375	0.035762	0.934815
cg22140378	chr20	5891760		0.292134	2.115028	0.035878	0.934815
cg26924012	chr15	45694286	SPATA5L1;SLC28A2;GATM	0.445993	2.112907	0.036062	0.934815
cg03466951	chr6	1.69E+08		-0.33879	-2.11465	0.035911	0.934815
cg14391832	chr13	46287862		-0.28146	-2.11389	0.035976	0.934815
cg16530491	chr2	2.43E+08	FARP2	-0.30377	-2.11299	0.036055	0.934815
cg05398321	chr14	91700968		-0.25663	-2.1124	0.036106	0.934815
cg21536096	chr4	1.74E+08		0.235187	2.11399	0.035968	0.934815
cg21844318	chr2	2E+08		-0.25753	-2.1146	0.035915	0.934815

cg17742947	chr19	42546977		0.249857	2.114714	0.035905	0.934815
cg00063291	chr5	1055962		0.259645	2.114171	0.035952	0.934815
cg15990972	chr2	1.77E+08		0.271442	2.115863	0.035806	0.934815
cg19370166	chr1	27709928	C1orf172;SPCS2P4	0.203199	2.115923	0.035801	0.934815
cg18317951	chr8	96145702		-0.36022	-2.11511	0.035871	0.934815
cg05096161	chr17	46114674		0.318784	2.111594	0.036176	0.93501
cg04723073	chr2	1.83E+08		-0.22249	-2.11712	0.035698	0.934815
cg01625126	chr15	1.03E+08		0.232598	2.11271	0.036079	0.934815
cg02094018	chr17	17485934		0.217646	2.112095	0.036133	0.934954
cg12377709	chr3	1.39E+08		0.172151	2.114391	0.035933	0.934815
cg12082871	chr5	1.41E+08		0.204956	2.110701	0.036254	0.935167
cg00908758	chr1	84944699		-0.29972	-2.1127	0.03608	0.934815
cg01140660	chr11	1.33E+08		-0.30339	-2.11226	0.036118	0.934935
cg13551505	chr12	2014983		-0.3216	-2.11353	0.036008	0.934815
cg13001017	chr6	74072320		0.471682	2.113812	0.035983	0.934815
cg22960962	chr11	45723620		-0.22907	-2.11252	0.036096	0.934815
cg23490407	chr7	1.35E+08		-0.26681	-2.11307	0.036048	0.934815
cg07600127	chr13	30881527		-0.15022	-2.11097	0.036231	0.935077
cg04394763	chr1	1.54E+08		-0.20988	-2.11806	0.035617	0.934815
cg14515049	chr4	3075893		0.189716	2.115247	0.035859	0.934815
cg07166800	chr2	55509719		-0.22178	-2.11332	0.036026	0.934815
cg22876446	chr5	877002		-0.20237	-2.11206	0.036136	0.934954
cg26680097	chr3	70048832		-0.3882	-2.11203	0.036138	0.934954
cg11549958	chr12	1.24E+08	ENSG00000270048	0.241504	2.113147	0.036041	0.934815
cg16911220	chr12	52695728		0.328348	2.112334	0.036112	0.934897

cg19480198	chr19	18896853		0.400725	2.112735	0.036077	0.934815
cg02556855	chr16	87250516		0.517035	2.11608	0.035787	0.934815
cg22578027	chr7	919518		-0.24409	-2.11499	0.035881	0.934815
cg07990939	chr12	88536410		-0.25261	-2.11342	0.036017	0.934815
cg21428001	chr2	1.19E+08		0.252929	2.11217	0.036126	0.934935
cg16254374	chr15	83954150		-0.25237	-2.11173	0.036165	0.93501
cg07144255	chr2	3323078		0.423796	2.121961	0.035283	0.934815
cg09355820	chr1	10092237		-0.24484	-2.11479	0.035899	0.934815
cg24187475	chr4	83821712		-0.15666	-2.11318	0.036038	0.934815
cg18503381	chr19	58144462	ZNF749	0.22854	2.115883	0.035804	0.934815
cg19746675	chr3	99536119		-0.20808	-2.1165	0.035751	0.934815
cg08979571	chr19	408233		0.213565	2.112567	0.036091	0.934815
cg07567800	chr6	1.49E+08		0.358818	2.112913	0.036061	0.934815
cg02589538	chr1	28995181	SNHG3;SNORA73B	0.164007	2.11528	0.035856	0.934815
cg08373904	chr11	1543275		-0.30399	-2.11311	0.036044	0.934815
cg24156393	chr6	1.66E+08		-0.2628	-2.11033	0.036286	0.935609
cg10943786	chr3	1.47E+08		0.267808	2.112608	0.036088	0.934815
cg16219968	chr12	40500016		0.205449	2.115506	0.035837	0.934815
cg01122241	chr4	41882748		0.206308	2.111652	0.036171	0.93501
cg17929114	chr19	11747144		-0.21933	-2.11172	0.036165	0.93501
cg11827837	chr2	71114932		0.165289	2.111705	0.036167	0.93501
cg01748832	chr1	1911471	ATAD3C	-0.25747	-2.11478	0.035899	0.934815
cg26024624	chr1	2.43E+08		-0.17303	-2.11169	0.036168	0.93501
cg17129821	chr2	1.06E+08		0.266085	2.112411	0.036105	0.934815

cg24645447	chr1	2.43E+08		0.405762	2.11194	0.036146	0.934999
cg14091954	chr13	28674885		0.179134	2.113351	0.036023	0.934815
cg08530317	chr11	20620824		0.263291	2.110402	0.03628	0.935609
cg08095770	chr19	7619558		-0.28573	-2.11482	0.035896	0.934815
cg03696346	chr10	44101789		0.268452	2.11377	0.035987	0.934815
cg01076459	chr17	2908230	ASPA;TRPV3	0.245956	2.111034	0.036225	0.935051
cg05737682	chr16	3021802		-0.31331	-2.1133	0.036028	0.934815
cg13174051	chr10	1.34E+08		-0.23099	-2.11198	0.036143	0.934999
ch.6.169233872R	chr6	1.69E+08		-0.1922	-2.11344	0.036016	0.934815
cg03828603	chr17	43128308		0.28425	2.111142	0.036216	0.935044
cg14026325	chr8	1.45E+08		1.187685	2.1096	0.03635	0.93592
cg17581925	chr3	46798240		-0.35894	-2.11272	0.036078	0.934815
cg01910419	chr6	33174761	HLA-DMA;PSMB9;TAP1;TAPSAR1;HLA-DMB;HLA-DRA;HLA-DOA;TAPBP;HLA-DPB1;PSMB8;HLA-DPA1;TAP2	-0.22637	-2.11323	0.036034	0.934815
cg07312357	chr1	2.17E+08		0.332144	2.113257	0.036032	0.934815
cg05717061	chr17	26637432		-0.35298	-2.11509	0.035873	0.934815
cg09509877	chr7	32537585		-0.2801	-2.11396	0.035971	0.934815
cg27640316	chr2	2.18E+08	IGFBP2;ENSG00000224414;RPL7L1P9;PECR	-0.15688	-2.11422	0.035948	0.934815
cg22175764	chr20	56803964		0.340099	2.112044	0.036137	0.934954

cg12525543	chr19	8812709	MYO1F;MARCH2	0.337073	2.112792	0.036072	0.934815
cg26463171	chr7	1.16E+08		-0.2548	-2.11167	0.03617	0.93501
cg25468863	chr13	36920660		-0.25889	-2.1122	0.036123	0.934935
cg19342782	chr1	70821806		-0.3231	-2.11243	0.036103	0.934815
cg03040530	chr1	2.29E+08		-0.19467	-2.11054	0.036268	0.935378
cg06054593	chr16	53737861		-0.19231	-2.113	0.036054	0.934815
cg14884160	chr7	89840396		0.299807	2.110657	0.036258	0.935167
cg02508830	chr7	1.03E+08		-0.45148	-2.11314	0.036042	0.934815
cg23264016	chr10	77794696		0.230209	2.111819	0.036157	0.93501
cg04459091	chr5	1.8E+08	FLT4;MAML1;GFPT2;CNOT6;RNF130	-0.2789	-2.11133	0.036199	0.93501
cg13641293	chr17	80477477		0.15601	2.115971	0.035797	0.934815
cg21515406	chr5	3325150		-0.30546	-2.11484	0.035894	0.934815
cg26451499	chr17	63694336		-0.29721	-2.11157	0.036178	0.93501
cg03147663	chr4	40823362		-0.16566	-2.11217	0.036126	0.934935
cg17076635	chr8	1.44E+08		0.471621	2.112875	0.036065	0.934815
cg01099453	chr22	39101431	CACNA1I	0.231717	2.111392	0.036194	0.93501
cg23924499	chr10	1.34E+08		-0.39627	-2.10997	0.036317	0.93592
cg17259952	chr20	58838244		-0.32856	-2.11155	0.03618	0.93501
cg07705639	chr1	1.75E+08		0.326902	2.111418	0.036191	0.93501
cg15112523	chr9	1.33E+08		0.190959	2.111304	0.036201	0.93501
cg22234930	chr15	72519739	NR2E3;GRAMD2	-0.32307	-2.11283	0.036068	0.934815
cg13623384	chr6	1.6E+08		0.240789	2.114565	0.035918	0.934815
cg11812023	chr19	40791312		-0.16671	-2.10944	0.036364	0.93592
cg04537729	chr15	83877135		0.3507	2.110343	0.036285	0.935609

cg14835138	chr10	7573552	KIN	-0.3171	-2.10997	0.036318	0.93592
cg11434973	chr17	7909983		-0.23631	-2.11246	0.036101	0.934815
cg14605874	chr6	1.01E+08		0.255184	2.115201	0.035863	0.934815
cg07449450	chr11	17566051	LDHA	0.335319	2.110199	0.036298	0.935746
cg23553659	chr13	46627004		-0.26829	-2.11115	0.036215	0.935044
cg13380118	chr11	71992113		0.280605	2.108855	0.036415	0.935978
cg15990955	chr18	55791455		-0.30444	-2.11174	0.036164	0.93501
cg23055682	chr2	27798724		-0.21316	-2.1099	0.036324	0.93592
cg08433293	chr15	89786622		0.175623	2.113638	0.035999	0.934815
cg03999872	chr20	62272968		0.512055	2.109142	0.03639	0.935928
cg02115818	chr17	42393931		0.280998	2.113744	0.035989	0.934815
cg07511633	chr6	29455331		-0.27913	-2.11122	0.036209	0.935044
cg08676242	chr7	75616848		0.238392	2.112824	0.036069	0.934815
cg24506237	chr20	62684484	PTK6	-0.27585	-2.1125	0.036098	0.934815
cg06946593	chr13	97986395		-0.26267	-2.11332	0.036026	0.934815
cg19223129	chr4	7052403		0.25874	2.109598	0.03635	0.93592
cg23684521	chr15	73926058		0.310917	2.110855	0.036241	0.935167
cg26001655	chr4	1356770		-0.24771	-2.1096	0.036351	0.93592
cg23304298	chr14	65744457	PPP1R36;TEX21P	0.347084	2.109732	0.036339	0.93592
cg13941292	chr15	78196623		-0.23013	-2.10806	0.036485	0.936333
cg07231451	chr12	1.24E+08	OGFOD2	-0.18831	-2.1117	0.036167	0.93501
cg07365404	chr6	26123915		-0.20477	-2.1097	0.036341	0.93592
cg08168585	chr16	50276772		-0.2798	-2.10959	0.036351	0.93592
cg00385906	chr1	1.18E+08		-0.14951	-2.11392	0.035974	0.934815
cg23387056	chr11	14280742		0.402519	2.109245	0.036381	0.93592

cg22401679	chr1	95080047		0.274903	2.112287	0.036116	0.934935
cg27243389	chr10	45869702		0.214748	2.111429	0.03619	0.93501
cg19646729	chr11	65794062		0.195594	2.111056	0.036223	0.935051
cg06223162	chr1	1.01E+08		-0.41495	-2.11078	0.036247	0.935167
cg12324598	chr5	95244262	FAM81B;ENSG00000225165;CAST;MCTP1	0.320171	2.117519	0.035663	0.934815
cg09764440	chr19	18263350		-0.20172	-2.11131	0.036201	0.93501
cg02870960	chr3	1.22E+08		-0.27287	-2.10967	0.036344	0.93592
cg16072535	chr10	1.32E+08		-0.20046	-2.10889	0.036412	0.935978
cg00573631	chr5	54472570		-0.21824	-2.11274	0.036077	0.934815
cg15023513	chr15	87667171		0.386189	2.109928	0.036321	0.93592
cg18422423	chr3	51576922		0.254653	2.114667	0.035909	0.934815
cg24239999	chr17	1316657	TSR1	-0.2184	-2.11298	0.036055	0.934815
cg13601659	chr9	98979119		-0.24058	-2.11441	0.035931	0.934815
cg11841652	chr19	1569056		-0.19962	-2.11506	0.035876	0.934815
cg16702725	chr1	1.61E+08		0.163454	2.111113	0.036218	0.935044
cg12194336	chr3	58067906		0.237988	2.112435	0.036103	0.934815
cg07373957	chr1	68148896		-0.3614	-2.11394	0.035972	0.934815
cg14807549	chr2	1.79E+08		-0.15124	-2.10772	0.036515	0.936504
cg02623400	chr1	50513749		0.428561	2.109539	0.036355	0.93592
cg24756213	chr17	14374231		-0.25934	-2.11273	0.036078	0.934815
cg20965743	chr14	1.05E+08		0.557531	2.108544	0.036443	0.935978
cg01310829	chr7	45928326		0.459739	2.108559	0.036441	0.935978
cg04372823	chr16	85690940	KLHL36	0.269476	2.111605	0.036175	0.93501

cg09301294	chr3	96533520		0.323485	2.114245	0.035946	0.934815
cg09595050	chr4	81110205	ANTXR2;PRDM8	0.310408	2.108472	0.036449	0.936027
cg07232063	chr1	86953050	ODF2L;DDAH1	-0.26225	-2.11508	0.035873	0.934815
cg19570545	chr1	2.01E+08		-0.25782	-2.11265	0.036084	0.934815
cg06962801	chr1	2.03E+08		-0.15603	-2.11066	0.036258	0.935167
cg11150353	chr1	9308197		0.236216	2.111212	0.036209	0.935044
cg04140906	chr15	78833505		-0.30654	-2.11117	0.036213	0.935044
cg08835956	chr7	39171034		-0.47308	-2.10838	0.036457	0.936075
cg22762088	chr20	33581493		-0.22948	-2.11283	0.036069	0.934815
cg15392489	chr2	72375612		-0.17142	-2.11259	0.036089	0.934815
cg24399395	chr21	34392203		0.301639	2.111936	0.036146	0.934999
cg10859329	chr14	54413218		-0.28823	-2.10911	0.036393	0.935928
cg11171221	chr10	1.25E+08		0.256335	2.108742	0.036425	0.935978
cg02579136	chr11	75917404		0.193021	2.112863	0.036066	0.934815
cg00303989	chr10	8302769		-0.26394	-2.11002	0.036313	0.93592
cg24413879	chr22	35652951		0.314141	2.10862	0.036436	0.935978
cg23569415	chr8	29120753		-0.16716	-2.11427	0.035944	0.934815
cg00512459	chr15	88266173		0.24622	2.112757	0.036075	0.934815
cg19798596	chr17	60829467		-0.2542	-2.1091	0.036394	0.935928
cg08688773	chr10	23461301		0.349835	2.109161	0.036389	0.935928
cg21043481	chr4	3250722		0.218368	2.110279	0.036291	0.935622
cg20070837	chr14	1.05E+08	IGHGP;ENSG00000257270	-0.31396	-2.11036	0.036284	0.935609
cg17107540	chr10	72197470	TSPAN15	-0.34294	-2.10928	0.036378	0.93592
cg14410198	chr9	37424897		-0.25003	-2.11148	0.036186	0.93501

cg13212525	chr3	1.61E+08		-0.37495	-2.10714	0.036566	0.936661
cg03745234	chr19	42082102		0.210391	2.107259	0.036555	0.936661
cg22502308	chr5	6434966		0.259162	2.114385	0.035934	0.934815
cg00449384	chr9	1.31E+08	ENSG00000273281	0.194546	2.109293	0.036377	0.93592
cg08966950	chr11	2871756		0.273364	2.112166	0.036126	0.934935
cg27141474	chr2	38358225	ARHGEF33	-0.2885	-2.10817	0.036476	0.936262
cg13986969	chr9	73984868	TMEM2	-0.4513	-2.10881	0.036419	0.935978
cg07348009	chr1	2985689		-0.19113	-2.10844	0.036452	0.936046
cg12012524	chr19	1268008	ENSG00000129951;PCSK4	0.230672	2.108223	0.036471	0.936226
cg18024358	chr1	3420815		-0.2796	-2.11346	0.036014	0.934815
cg19981263	chr12	14927351		0.198204	2.109636	0.036347	0.93592
cg19148051	chr1	3713096		-0.18351	-2.11334	0.036024	0.934815
cg19594024	chr19	58919948		-0.24097	-2.11136	0.036196	0.93501
cg09158745	chr12	1.15E+08		0.178307	2.109623	0.036348	0.93592
cg01088382	chr10	23464290		0.330637	2.107354	0.036547	0.936632
cg25889918	chr2	1.8E+08		0.258219	2.109768	0.036335	0.93592
cg02764250	chr10	97145217		-0.25093	-2.10866	0.036432	0.935978
cg25415246	chr19	1762710		0.305031	2.10908	0.036396	0.935928
cg11382761	chr4	41031037		0.316604	2.110079	0.036308	0.93592
cg11586335	chr12	50101359	SPATS2	-0.15848	-2.10901	0.036402	0.935928
cg14556762	chr1	1.71E+08	SELL;F5	-0.3622	-2.10772	0.036515	0.936504
cg06747432	chr19	46916741		0.193979	2.116469	0.035754	0.934815
cg14172124	chr1	32757659		-0.15558	-2.10901	0.036402	0.935928
cg25645879	chr10	43047255		0.232672	2.114343	0.035937	0.934815

cg07754609	chr16	65269452		-0.26343	-2.10929	0.036377	0.93592
cg27096981	chr4	1.24E+08		0.285676	2.110021	0.036313	0.93592
cg03180404	chr11	1.27E+08		-0.3066	-2.10753	0.036532	0.936632
cg06055014	chr4	7070796		0.269397	2.109653	0.036346	0.93592
cg22199658	chr2	64455551		0.245406	2.107083	0.036571	0.936739
cg02696351	chr20	61465651		-0.23622	-2.10863	0.036435	0.935978
cg15601682	chr17	78060121		-0.44232	-2.10811	0.036481	0.936291
cg01965508	chr1	2.07E+08		-0.16012	-2.10721	0.03656	0.936661
cg10812526	chr12	1.01E+08		0.305558	2.10684	0.036592	0.936953
cg27305060	chr11	2004506		-0.16249	-2.11113	0.036217	0.935044
cg22017581	chr1	2.4E+08		-0.19445	-2.1159	0.035802	0.934815
cg00667862	chr1	91300446		0.213101	2.111387	0.036194	0.93501
cg24728099	chr8	80706829		-0.26823	-2.10661	0.036612	0.936953
cg01205832	chr16	88371346		-0.23146	-2.10942	0.036366	0.93592
cg17057086	chr8	1.33E+08		-0.26378	-2.10803	0.036487	0.936341
cg16971668	chr3	27764810		0.242926	2.113811	0.035984	0.934815
cg16631417	chr17	41993127		-0.27354	-2.10823	0.03647	0.936226
cg09140723	chr10	72594465		-0.40759	-2.11331	0.036027	0.934815
cg09545109	chr3	50388910	MAPKAPK3	0.213613	2.110965	0.036231	0.935077
cg14983466	chr6	30012620	PPP1R18;HLA-E	0.33945	2.113875	0.035978	0.934815
cg14140118	chr11	1.08E+08	ATM	-0.38923	-2.11252	0.036096	0.934815
cg13784276	chr9	1.39E+08		0.228725	2.11282	0.03607	0.934815
cg14051842	chr6	26988187		0.270881	2.110749	0.03625	0.935167
cg18075287	chr12	10365459		-0.17216	-2.1097	0.036342	0.93592
cg09026448	chr5	1.69E+08		-0.2676	-2.10538	0.03672	0.937422

cg08758850	chr9	1.28E+08		-0.19842	-2.10718	0.036562	0.936661
cg02186441	chr2	63815398		0.345448	2.105782	0.036685	0.937366
cg11261678	chr6	33393183		0.300169	2.111047	0.036224	0.935051
cg03586820	chr1	16679780		0.455476	2.107971	0.036493	0.936423
cg24776880	chr18	42530692		-0.25585	-2.11072	0.036252	0.935167
cg00827989	chr2	1.75E+08		-0.31489	-2.10782	0.036507	0.936504
cg08807097	chr12	1.15E+08		-0.27729	-2.10684	0.036592	0.936953
cg21540399	chr3	61859135		0.304673	2.109265	0.036379	0.93592
cg05846336	chr12	1.14E+08		-0.19046	-2.10578	0.036685	0.937366
cg04707531	chr12	74931420		-0.19263	-2.11077	0.036248	0.935167
cg16770238	chr18	14747661		0.311114	2.108497	0.036447	0.936027
cg23145686	chr17	43503638	GJC1	-0.17127	-2.10821	0.036472	0.936226
cg14082123	chr15	42367977		-0.21215	-2.11168	0.036169	0.93501
cg12570013	chr19	57630160		-0.362	-2.10951	0.036358	0.93592
cg04270401	chr10	1.03E+08	SFXN3	0.254908	2.107449	0.036539	0.936632
cg24217005	chr22	19707567		-0.24698	-2.10576	0.036687	0.937366
cg17793354	chr2	2.37E+08	IQCA1;RAB17;COL6A3;COPS8	0.400625	2.112751	0.036076	0.934815
cg01451604	chr10	80691791	ZMIZ1;ZCCHC24;PPIF	-0.29354	-2.11139	0.036194	0.93501
cg11015549	chr19	1026207		-0.24433	-2.10763	0.036523	0.936573
cg04958845	chr8	1.01E+08	ENSG00000253299	-0.17901	-2.10903	0.0364	0.935928
cg14068301	chr10	3161106		0.399481	2.110948	0.036232	0.935077
cg09506319	chr1	2122601		0.164906	2.106696	0.036605	0.936953
cg19082304	chr7	1.57E+08		-0.24443	-2.10926	0.03638	0.93592

cg05861971	chr2	1.01E+08		-0.16411	-2.1087	0.036429	0.935978
cg18351858	chr3	1.84E+08		-0.24124	-2.11314	0.036041	0.934815
cg05526487	chr15	93126955		-0.22295	-2.10535	0.036723	0.937422
cg23083776	chr6	32381485		0.246102	2.108607	0.036437	0.935978
cg24948499	chr17	79224065	MAFG-AS1	0.195601	2.108554	0.036442	0.935978
cg10729419	chr6	28872100		0.192964	2.107416	0.036542	0.936632
cg22916338	chr5	1.41E+08	HDAC3	-0.29548	-2.10561	0.036701	0.937367
cg14881459	chr19	797693		0.113907	2.106343	0.036636	0.937055
cg21205320	chr2	3648280	TSSC1	-0.25268	-2.11066	0.036258	0.935167
cg02925594	chr16	57572900		-0.28943	-2.10786	0.036503	0.936504
cg03204177	chr12	1.11E+08	TCTN1;IFT81;MMAB	0.348082	2.106917	0.036585	0.936953
cg13448468	chr11	45231047	SLC35C1;PRDM11;TSPAN18	0.292112	2.109056	0.036398	0.935928
cg13521286	chr9	71939182		0.356249	2.107719	0.036515	0.936504
cg00958381	chr1	3408036		-0.16529	-2.10649	0.036623	0.936959
cg09516958	chr19	1011150		-0.23563	-2.10835	0.03646	0.936085
cg15593965	chr8	1.46E+08	EXOSC4	-0.28897	-2.11297	0.036056	0.934815
cg23051703	chr3	50140275		0.23761	2.109286	0.036378	0.93592
cg17029354	chr12	1.15E+08	TBX3;TBX5;TBX5-AS1	0.281848	2.113973	0.035969	0.934815
cg27495887	chr6	1.33E+08		-0.28854	-2.10736	0.036546	0.936632
cg10903826	chr4	1242276		-0.13267	-2.10792	0.036498	0.936493
cg12514873	chr20	48100798		-0.18634	-2.11082	0.036243	0.935167
cg21184320	chr1	21044207		0.25808	2.108636	0.036435	0.935978
cg17918270	chr2	1983484		0.272302	2.107396	0.036543	0.936632

cg11959156	chr20	62865391		0.274683	2.107682	0.036518	0.936512
cg23405218	chr19	38183456		0.322236	2.107283	0.036553	0.936661
cg25562059	chr19	42871952		0.247147	2.106782	0.036597	0.936953
cg25423174	chr3	12236303	TMEM40;CAND2;IQSEC1	-0.30357	-2.1084	0.036455	0.936067
cg24701662	chr6	30166168		-0.2096	-2.10973	0.036338	0.93592
cg02519897	chr12	54133730		-0.27924	-2.10778	0.03651	0.936504
cg12368169	chr2	27073192		0.277728	2.105897	0.036675	0.937366
cg10457436	chr12	6745871	CLSTN3	-0.36818	-2.10961	0.03635	0.93592
cg00968021	chr1	70876888		-0.24344	-2.10487	0.036766	0.937422
cg02561693	chr2	4931074		-0.31111	-2.10558	0.036703	0.937367
cg12619347	chr11	57280909	TIMM10	-0.30693	-2.10341	0.036895	0.937425
cg09711841	chr8	1.46E+08	ENSG00000254690	-0.24095	-2.10736	0.036546	0.936632
cg26951614	chr16	48281291	ABCC11	0.350155	2.107224	0.036558	0.936661
cg04387835	chr17	4649076		0.396509	2.104313	0.036815	0.937422
cg24683222	chr4	41880440		0.272558	2.104826	0.03677	0.937422
cg21475150	chr2	1.02E+08	LONRF2	0.296405	2.105778	0.036686	0.937366
cg06663068	chr3	9994061		0.128037	2.109495	0.036359	0.93592
cg05056989	chr3	1.97E+08		-0.16535	-2.10372	0.036867	0.937425
cg10040059	chr1	43312005		0.217557	2.106486	0.036623	0.936959
cg25030694	chr2	1.34E+08	NCKAP5;MGAT5	0.347938	2.108991	0.036403	0.935928
cg23517208	chr5	72530472		0.273613	2.109295	0.036377	0.93592
cg07698591	chr4	1840877		-0.25105	-2.10673	0.036602	0.936953
ch.15.1530357F	chr15	89865772		-0.24751	-2.10472	0.036779	0.937422
cg15029248	chr1	2379937		-0.23599	-2.10662	0.036612	0.936953

cg21126453	chr7	1120247		0.221272	2.107355	0.036547	0.936632
cg16187883	chr14	76448191		0.258577	2.104552	0.036794	0.937422
cg18180155	chr22	45809454		0.414298	2.105618	0.0367	0.937367
cg08661470	chr4	1556833		0.23824	2.104718	0.036779	0.937422
cg00537910	chr2	2.2E+08		-0.22435	-2.10445	0.036803	0.937422
cg24646414	chr8	11565725		0.265994	2.106567	0.036616	0.936959
cg17218045	chr1	26758308	ZNF683	0.342769	2.103008	0.036931	0.937425
cg02619941	chr20	60370985		0.229079	2.103402	0.036896	0.937425
cg20544097	chr5	534078		0.269152	2.104551	0.036794	0.937422
cg17337118	chr15	79574993		0.210989	2.10673	0.036602	0.936953
cg14996807	chr19	17759239		-0.35215	-2.10521	0.036736	0.937422
cg08587397	chr16	672930		0.274457	2.104656	0.036785	0.937422
cg03965648	chr2	2E+08		0.2017	2.107245	0.036557	0.936661
cg14028577	chr9	89259694		-0.3939	-2.10449	0.036799	0.937422
cg27228413	chr15	88918514		-0.23146	-2.10562	0.036699	0.937367
cg26581449	chr15	89285805	FANCI;WDR93;HAPLN3;ENSG00000259561	-0.34423	-2.10756	0.036529	0.936632
cg26280685	chr11	62104020		0.190275	2.110296	0.036289	0.935622
cg12803004	chr1	53306727		-0.2356	-2.10714	0.036566	0.936661
cg12366279	chr15	78578444		-0.2242	-2.10855	0.036442	0.935978

			TAP1;HLA-DMB;HLA-DPB1;HLA-DMA;HLA-DOA;TAP2;PSMB				
cg07903144	chr6	33358872	9;HLA-DRA	0.385215	2.104855	0.036767	0.937422
cg27583266	chr12	71315264		-0.24245	-2.10414	0.03683	0.937422
cg09901106	chr5	1.76E+08		-0.21217	-2.10886	0.036414	0.935978
cg24033471	chr12	2735579	WNT5B;FOXM1	-0.31611	-2.1039	0.036852	0.937422
cg13950362	chr20	30028062		-0.29059	-2.10393	0.036848	0.937422
cg04539895	chr11	1219644		-0.17972	-2.10326	0.036909	0.937425
cg03412784	chr11	86143260		-0.30906	-2.10314	0.036919	0.937425
cg13714437	chr13	1.15E+08		-0.23459	-2.10592	0.036674	0.937366
cg21685266	chr3	1.85E+08		-0.30544	-2.10549	0.036711	0.937408
cg14169823	chr9	35560087		-0.14143	-2.10633	0.036637	0.937055
cg20672871	chr10	1.18E+08		0.342505	2.106691	0.036605	0.936953
cg15825304	chr2	2.42E+08	SNED1;BOK	-0.26737	-2.1068	0.036595	0.936953
cg02383651	chr4	1.84E+08		0.320991	2.10439	0.036808	0.937422
cg16317441	chr11	93861839		0.166863	2.108116	0.03648	0.936291
cg02779724	chr17	20464366	ULK2;MEIS3P2	-0.24457	-2.10477	0.036775	0.937422
cg02552572	chr16	56597746		0.242724	2.104634	0.036787	0.937422
cg25143235	chr1	6187886		-0.23159	-2.10571	0.036692	0.937367
cg22949077	chr3	1.08E+08		-0.22871	-2.10427	0.036819	0.937422
cg17578380	chr5	1.31E+08		0.252881	2.107711	0.036516	0.936504
cg24449706	chr8	25229721		-0.20592	-2.10442	0.036806	0.937422
cg02792521	chr19	1434903	PCSK4;MUM1	0.285308	2.10344	0.036892	0.937425

cg13199963	chr1	27126172	CD52;ZNF683;ZDHHC18	0.315208	2.102875	0.036942	0.937425
cg13902108	chr9	1.39E+08	SNHG7	0.269258	2.105365	0.036722	0.937422
cg04585209	chr11	6292311		0.668964	2.10148	0.037066	0.937578
cg23945725	chr6	1.36E+08		0.132074	2.102907	0.036939	0.937425
cg03290530	chr3	1.37E+08		0.275082	2.104026	0.03684	0.937422
cg15030712	chr7	29304984	PRR15;ENSG00000272568	-0.28695	-2.10474	0.036778	0.937422
cg24069674	chr6	27230661	HIST1H4H;HMGN4;HIST1H4K;HIST1H4J	0.267474	2.10742	0.036541	0.936632
ch.2.40690643F	chr2	40837139		-0.28079	-2.10873	0.036426	0.935978
cg23594345	chr14	1.06E+08		-0.34446	-2.10491	0.036762	0.937422
cg03811829	chr1	949449		0.217626	2.106228	0.036646	0.937093
cg08187687	chr2	1.77E+08		0.236391	2.106517	0.036621	0.936959
cg00135399	chr4	7783873	PSAPL1;ABLIM2	0.267869	2.102745	0.036954	0.937425
cg01175220	chr20	30617892		-0.16511	-2.10687	0.03659	0.936953
cg10690003	chr7	96622311		0.193555	2.103909	0.036851	0.937422
cg06928924	chr5	1.28E+08		0.203454	2.105584	0.036703	0.937367
cg16899486	chr17	1957832		-0.18173	-2.10628	0.036642	0.937091
cg09672765	chr1	67266843		-0.30322	-2.10296	0.036935	0.937425
cg14034476	chr19	3556718	ANKRD24;GNA15	-0.21196	-2.104	0.036842	0.937422
cg00353139	chr15	75017914		0.177389	2.104696	0.036781	0.937422
cg13901433	chr17	73285524		0.152139	2.104036	0.03684	0.937422
cg00234616	chr2	74740572		0.274567	2.101232	0.037088	0.937741
cg21415549	chr4	1.15E+08		-0.23274	-2.10407	0.036837	0.937422

cg10714403	chr17	55162284		-0.14919	-2.10636	0.036635	0.937055
cg23234832	chr3	24536323		0.17726	2.104893	0.036764	0.937422
cg03928961	chr3	1.97E+08	SLC51A	0.291523	2.104539	0.036795	0.937422
cg17508274	chr5	1.33E+08		0.221013	2.102441	0.036981	0.937425
cg27452451	chr7	56119366		-0.13737	-2.1093	0.036376	0.93592
cg22162281	chr2	2.07E+08		0.340405	2.106254	0.036644	0.937091
cg07769332	chr15	57211559		-0.25667	-2.10603	0.036664	0.937316
cg15807287	chr7	1530113		-0.26219	-2.10168	0.037048	0.937447
cg08831744	chr7	45961346		0.295699	2.107759	0.036511	0.936504
cg11966524	chr11	1.16E+08		-0.19577	-2.1031	0.036923	0.937425
cg23116340	chr6	28540475		0.279124	2.106049	0.036662	0.937316
cg23715749	chr1	37413867	MRPS15;AGO3;GNL2;CDCA8	-0.31683	-2.10185	0.037033	0.937425
cg20124547	chr2	1.75E+08		0.303682	2.102046	0.037016	0.937425
cg24319381	chr15	83316911		0.188105	2.104854	0.036767	0.937422
cg09129976	chr17	39165006		-0.25589	-2.10411	0.036833	0.937422
cg25325645	chr6	1.66E+08		-0.27772	-2.10604	0.036662	0.937316
cg16544704	chr21	44037277	TMPRSS3	-0.27538	-2.10581	0.036683	0.937366
cg01810926	chr1	53663981	COA7	-0.21888	-2.10186	0.037032	0.937425
cg22763680	chr17	33815432	SLFN12L;CCL4;ENSG00000267074;ENSG00000267554;ENSG00000267046	0.379372	2.102004	0.03702	0.937425
cg12694440	chr20	10415917		0.192641	2.104507	0.036798	0.937422
cg16422316	chr16	71844250		-0.28778	-2.10411	0.036833	0.937422

cg27391399	chr8	1.46E+08		-0.17534	-2.10463	0.036787	0.937422
cg21400015	chr18	55102461		-0.1951	-2.10414	0.036831	0.937422
cg14948279	chr4	1.51E+08		0.237368	2.102802	0.036949	0.937425
cg14001035	chr15	26026152		-0.25789	-2.10699	0.036579	0.936897
cg19340278	chr10	97453975		-0.13817	-2.10318	0.036915	0.937425
cg09368670	chr1	1.09E+08		0.159045	2.105094	0.036746	0.937422
cg18637761	chr12	1.23E+08	LRRC43	0.18768	2.105668	0.036695	0.937367
cg12675942	chr10	71160999		-0.23891	-2.1052	0.036737	0.937422
cg15695648	chr17	53828850		0.175991	2.10472	0.036779	0.937422
cg16788322	chr10	1.22E+08		0.309895	2.10261	0.036966	0.937425
cg14039649	chr22	38352398	LGALS1;KCTD17;MFNG	-0.23547	-2.103	0.036931	0.937425
cg13630049	chr8	1.43E+08	ENSG00000261655;PTP4A3	-0.3139	-2.10211	0.03701	0.937425
cg02589949	chr12	13027685		-0.2078	-2.10301	0.036931	0.937425
cg02283949	chr6	1.44E+08	ADAT2;ENSG00000235740	0.330452	2.11169	0.036168	0.93501
cg08989942	chr2	71063282	ATP6V1B1;PAIP2B	-0.32461	-2.10336	0.036899	0.937425
cg27424226	chr22	38201142		0.161972	2.105542	0.036707	0.937405
cg24083746	chr19	45826152		-0.17613	-2.10229	0.036994	0.937425
cg11670109	chr7	30810864		0.247647	2.104391	0.036808	0.937422
cg08284150	chr5	1.11E+08	ENSG00000214784	-0.27543	-2.10661	0.036612	0.936953
cg21776572	chr6	33239236		-0.15541	-2.10417	0.036828	0.937422
cg01935086	chr1	32674191	LCK	0.215024	2.103374	0.036898	0.937425
cg16586093	chr2	2.04E+08		0.178197	2.102185	0.037004	0.937425
cg00898013	chr13	1.14E+08		0.395845	2.101968	0.037023	0.937425

cg02941431	chr16	68563886		-0.24317	-2.1046	0.03679	0.937422
cg06234741	chr12	58662850	DTX3	0.35577	2.10632	0.036638	0.937055
cg21126163	chr19	49149765		-0.14954	-2.10298	0.036933	0.937425
cg14972743	chr19	58609960	ZSCAN18;ZIK1;ZNF135;ZNF549;ZNF134	0.267449	2.102014	0.037019	0.937425
cg12296860	chr11	46409428		0.15355	2.105908	0.036674	0.937366
cg12785573	chr14	1.01E+08		-0.2345	-2.105	0.036754	0.937422
cg10822718	chr6	28478158	HIST1H2AJ	-0.2777	-2.10135	0.037078	0.937589
cg05269845	chr8	690059		0.333924	2.102974	0.036934	0.937425
cg18477380	chr15	1.02E+08		-0.25641	-2.1034	0.036896	0.937425
cg20692896	chr1	1.84E+08		0.200175	2.104757	0.036776	0.937422
cg24799620	chr4	55100025		0.308894	2.104057	0.036838	0.937422
cg10145926	chr14	95875792	GSKIP;C14orf132;SYNE3;LINC00341	-0.20726	-2.10326	0.036908	0.937425
cg05789476	chr6	1.59E+08		0.182409	2.103794	0.036861	0.937425
cg17987112	chr5	1.74E+08		-0.32408	-2.1032	0.036913	0.937425
cg14656538	chr1	1.98E+08		-0.3216	-2.10606	0.036661	0.937316
cg06381966	chr16	72994598		-0.21714	-2.10317	0.036916	0.937425
cg04307927	chr17	41132963		-0.16607	-2.10655	0.036618	0.936959
cg23609450	chr20	44313578	ZNF663P;SLC13A3;WFDC6;SYS1;SDC4;EPPIN;TOMM34;HSPD1P21	-0.29991	-2.10262	0.036965	0.937425
cg26025691	chr17	29901842		0.241378	2.105429	0.036716	0.937422

cg02675646	chr19	40996118		0.460303	2.104687	0.036782	0.937422
cg22267234	chr11	9087524	SNORA23;RPL27A	0.202918	2.103477	0.036889	0.937425
cg14560030	chr6	33159572		0.130122	2.103435	0.036893	0.937425
cg21915639	chr1	46769308	RPS15AP10	-0.1674	-2.10461	0.036789	0.937422
cg11781676	chr2	22416541		0.292016	2.103953	0.036847	0.937422
cg13457462	chr8	49801972		-0.2964	-2.10195	0.037024	0.937425
cg20925954	chr10	1.12E+08		-0.26514	-2.10149	0.037065	0.937578
cg09003135	chr10	1.03E+08		0.223825	2.101136	0.037097	0.937845
cg20828897	chr11	2610595		-0.21223	-2.10138	0.037075	0.937578
cg11495285	chr10	90636202		-0.30962	-2.1045	0.036798	0.937422
cg08826281	chr19	49655176	SLC6A16	0.236937	2.102822	0.036947	0.937425
cg03052856	chr22	43578698		-0.21774	-2.1023	0.036993	0.937425
cg01947936	chr11	47470633	PTPRJ;LRP4	-0.25996	-2.10478	0.036774	0.937422
cg15862452	chr14	23235611		-0.26071	-2.10188	0.037031	0.937425
cg04403442	chr8	24287082		-0.31883	-2.10865	0.036433	0.935978
cg25870420	chr3	37493949		-0.12777	-2.10341	0.036895	0.937425
cg00835279	chr2	3642710		0.333547	2.102221	0.037	0.937425
cg27245056	chr10	1.22E+08		0.267129	2.102544	0.036972	0.937425
cg22963629	chr7	31147341	MTURN	-0.30159	-2.10283	0.036947	0.937425
cg11166312	chr1	2.07E+08		0.25249	2.099284	0.037262	0.938449
cg08554536	chr13	1.13E+08		-0.2493	-2.10172	0.037045	0.937425
cg05991902	chr2	9385082	RRM2;MBOAT2;CYS1;ADAM17;ENSG00000261104;ASAP2	-0.46565	-2.10174	0.037043	0.937425

cg15349341	chr22	25595697		-0.22232	-2.1045	0.036799	0.937422
cg25087958	chr5	34915621		-0.14663	-2.10235	0.036989	0.937425
cg05682968	chr16	71471898		-0.2383	-2.10156	0.037059	0.937578
cg18729488	chr3	3221555		0.20618	2.1049	0.036763	0.937422
cg05140593	chr4	1.3E+08		0.231001	2.102871	0.036943	0.937425
cg16061761	chr7	89127	CYP2W1	-0.25812	-2.10209	0.037012	0.937425
cg03791159	chr7	1.55E+08		0.191615	2.103088	0.036923	0.937425
cg18704691	chr1	2.21E+08		0.244487	2.101762	0.037041	0.937425
cg02543402	chr12	68647356		0.285998	2.103716	0.036868	0.937425
cg11611097	chr6	35173534	UHRF1BP1;SRPK1;SPDEF;TULP1	-0.28923	-2.09994	0.037203	0.938449
cg00658085	chr3	1.5E+08		-0.26348	-2.1018	0.037037	0.937425
cg21564242	chr3	1.8E+08		0.195096	2.101931	0.037026	0.937425
cg22639787	chr20	57464973		0.220008	2.100196	0.03718	0.938449
cg26801936	chr1	1916344		-0.22975	-2.10329	0.036905	0.937425
cg21583565	chr2	1.74E+08		0.212247	2.100631	0.037142	0.938423
cg08076830	chr18	44774923		0.279392	2.10184	0.037034	0.937425
cg24861444	chr19	48956265		-0.24466	-2.1039	0.036852	0.937422
cg10905180	chr11	4701824		-0.35734	-2.1023	0.036994	0.937425
cg03253692	chr2	2.43E+08		-0.15248	-2.09985	0.037211	0.938449
cg27559343	chr14	99947096		-0.19429	-2.10217	0.037005	0.937425
cg23871388	chr19	56609854		-0.24318	-2.10346	0.03689	0.937425
cg12072803	chr19	4968558		0.273361	2.104248	0.036821	0.937422
cg03810198	chr17	74679597		2.44017	2.09776	0.037398	0.938449
cg06789194	chr7	1.53E+08		0.247369	2.101987	0.037021	0.937425

cg26010751	chr3	51742513		-0.26793	-2.10024	0.037177	0.938449
ch.1.481384F	chr1	2.42E+08		-0.3599	-2.10138	0.037075	0.937578
cg05630943	chr16	76521159		-0.33788	-2.10079	0.037127	0.938232
cg03510117	chr7	25164991		0.190795	2.105906	0.036674	0.937366
cg13353472	chr19	39343117		0.14079	2.101839	0.037034	0.937425
cg27158340	chr14	1.06E+08		0.19557	2.102344	0.036989	0.937425
cg20602843	chr10	95351603		-0.24708	-2.10091	0.037117	0.938141
cg11367354	chr7	96651983		0.200486	2.101479	0.037066	0.937578
cg12389423	chr3	1.19E+08	ENSG00000242622	-0.27591	-2.10489	0.036764	0.937422
cg26813908	chr17	28443598		0.292947	2.098969	0.03729	0.938449
cg06646682	chr1	1273442		0.30797	2.099868	0.03721	0.938449
cg09561663	chr20	2276435		-0.23659	-2.10253	0.036973	0.937425
cg06563089	chr12	75601157		0.347912	2.104287	0.036817	0.937422
cg26417361	chr6	99292838		0.240951	2.098417	0.037339	0.938449
cg13965328	chr20	2539876		-0.28987	-2.09983	0.037213	0.938449
cg14791831	chr16	28565295		-0.12837	-2.10288	0.036942	0.937425
cg03622314	chr15	50838905		0.254501	2.10189	0.03703	0.937425
cg08200770	chr17	80723486	FN3KRP	0.49234	2.098846	0.037301	0.938449
cg23420779	chr14	23530483		-0.19028	-2.10348	0.036889	0.937425
cg02152265	chr19	17324656	COLGALT1	-0.24692	-2.10178	0.037039	0.937425
cg11141013	chr16	30583056		-0.16957	-2.09929	0.037261	0.938449
cg13478031	chr18	47808184	ENSG00000263916	-0.13752	-2.09967	0.037228	0.938449
cg02255700	chr11	69455274		-0.19926	-2.1015	0.037064	0.937578
cg25487804	chr11	3187511		-0.27834	-2.10058	0.037146	0.938433
cg15132710	chr18	44237801		-0.23777	-2.10003	0.037195	0.938449

cg27136078	chr13	1.12E+08		0.288994	2.102031	0.037017	0.937425
cg16514995	chr1	1.01E+08		0.233931	2.101444	0.037069	0.937578
cg13425279	chr9	1.41E+08		-0.28781	-2.09901	0.037287	0.938449
cg06369992	chr10	1.19E+08		0.370674	2.102903	0.03694	0.937425
cg06629130	chr18	44787585		0.383786	2.099677	0.037227	0.938449
cg08260760	chr20	3451529		-0.1503	-2.09838	0.037342	0.938449
cg15480367	chr14	93389485	FBLN5	0.228715	2.10078	0.037128	0.938232
cg16520652	chr22	22302600		-0.22198	-2.10067	0.037138	0.93839
cg04079215	chr1	95095221		-0.26358	-2.10203	0.037017	0.937425
cg04227945	chr12	243842		-0.20506	-2.10039	0.037163	0.938449
cg05342136	chr4	3528373		0.263759	2.100421	0.03716	0.938449
cg17250296	chr17	37331628	THRA	-0.25146	-2.10024	0.037177	0.938449
cg11072373	chr4	1E+08		-0.20796	-2.10362	0.036876	0.937425
cg10514770	chr5	1.09E+08		0.281315	2.102016	0.037019	0.937425
cg08107909	chr3	1.5E+08		0.335427	2.100235	0.037177	0.938449
cg18234115	chr1	2.46E+08		-0.32192	-2.10477	0.036774	0.937422
cg09431058	chr7	45216061		-0.28345	-2.0991	0.037278	0.938449
cg23190093	chr19	11465559	RAB3D;ZNF788	0.215423	2.10037	0.037165	0.938449
cg17909996	chr19	8214685		-0.34023	-2.10583	0.036681	0.937366
cg07812849	chr16	1183588		-0.26922	-2.09749	0.037423	0.938449
cg08475827	chr2	1.52E+08		0.395474	2.098839	0.037302	0.938449
ch.15.46512R	chr15	42729071		-0.29439	-2.10146	0.037068	0.937578
cg21112099	chr6	75912633	MYO6	-0.22985	-2.10644	0.036628	0.937013
cg25447559	chr10	38073387		0.288028	2.098843	0.037301	0.938449
cg03375002	chr7	73623876		-0.26368	-2.10307	0.036925	0.937425

cg09000112	chr5	1.07E+08		-0.25386	-2.10085	0.037122	0.938211
cg00012920	chr17	73911257		-0.22739	-2.09946	0.037246	0.938449
cg07774589	chr18	73625808		-0.27441	-2.09797	0.037379	0.938449
cg04475193	chr5	1.32E+08		-0.27053	-2.0999	0.037207	0.938449
cg07782744	chr11	73051203		-0.1382	-2.10286	0.036944	0.937425
cg25990848	chr14	1.06E+08		-0.19423	-2.10016	0.037183	0.938449
cg05336198	chr7	50853341		-0.26448	-2.09952	0.037241	0.938449
cg19013391	chr3	1.23E+08		0.239462	2.099535	0.037239	0.938449
cg14366292	chr10	1.24E+08		-0.20855	-2.10217	0.037005	0.937425
cg06715606	chr9	1.4E+08		-0.29654	-2.10015	0.037184	0.938449
cg18673954	chr10	1.05E+08		0.23555	2.097881	0.037387	0.938449
cg11072637	chr7	65773051	TPST1;INTS4L2	-0.37915	-2.10105	0.037104	0.937928
cg00735080	chr21	47285121	ADARB1;ENSG00000267857	-0.42687	-2.09984	0.037212	0.938449
cg16582255	chr5	41152767		0.578928	2.098236	0.037356	0.938449
cg16724696	chr11	1.19E+08	CD3E	-0.18049	-2.09922	0.037268	0.938449
cg18153499	chr19	47142459		-0.1923	-2.1048	0.036772	0.937422
cg17323336	chr8	1.39E+08		-0.27076	-2.10233	0.03699	0.937425
cg19617897	chr15	71818628	THSD4;LARP6	0.445113	2.101961	0.037023	0.937425
cg12097883	chr17	62774939	C17orf72	0.407778	2.101948	0.037025	0.937425
cg09762515	chr7	1.02E+08		-0.30101	-2.10408	0.036835	0.937422
cg01934626	chr5	1.8E+08		-0.28442	-2.10667	0.036607	0.936953
cg03046812	chr1	2.06E+08		-0.18539	-2.10549	0.036711	0.937408
cg12118246	chr17	72462441	CD300LF;CD300A	0.307788	2.098396	0.037341	0.938449
cg20674248	chr1	1.58E+08		-0.21786	-2.10138	0.037075	0.937578

cg00622318	chr10	1.31E+08		0.252874	2.099719	0.037223	0.938449
cg08536841	chr19	49250452	RCN3;FCGRT;TEAD2;CARD8;CPT1C;HRC;PLA2G4C;PPFIA3;HSD17B14;EMP3;NTF4;CA11;ENSG00000268001	0.518615	2.098181	0.03736	0.938449
cg04314308	chr19	19336150	ENSG00000270270	-0.22382	-2.09934	0.037257	0.938449
cg16622353	chr17	48454200		-0.19718	-2.09979	0.037217	0.938449
cg05019221	chr2	2.41E+08		-0.25492	-2.10243	0.036982	0.937425
cg06846441	chr7	4780516		-0.32396	-2.10199	0.037021	0.937425
cg07278207	chr11	31391293		0.275387	2.099921	0.037205	0.938449
cg18788205	chr20	43103897		0.192856	2.098487	0.037333	0.938449
cg02308954	chr3	15140799		-0.18437	-2.09808	0.03737	0.938449
cg02802298	chr2	44001252	SLC3A1;ENSG00000230587	-0.19368	-2.09907	0.037281	0.938449
cg21792156	chr6	27775847		-0.2293	-2.1053	0.036728	0.937422
cg27306034	chr1	1.55E+08		0.176212	2.098035	0.037374	0.938449
cg09753657	chr1	1.6E+08	SLAMF6;CD84	0.359651	2.101304	0.037082	0.937634
cg01763902	chr6	1.13E+08		-0.23981	-2.09883	0.037302	0.938449
cg21245875	chr15	70354825	LARP6;UACA;KIF23	0.325634	2.098633	0.03732	0.938449
cg09689296	chr2	12866929		-0.20982	-2.09965	0.037229	0.938449
cg07306676	chr12	1.33E+08		0.24976	2.103003	0.036931	0.937425
cg02214698	chr4	888127		0.275752	2.097812	0.037394	0.938449

cg02935298	chr22	43036734	EFCAB6;TTLL1;EFCAB6-AS1;MCAT;CENPM;MPPED1;BIK;A4GALT;PACSIN2;ARFGAP3;SMDT1;NAGA;NFAM1;SCUBE1;ATP5L2	0.378507	2.102933	0.036937	0.937425
cg24949251	chr18	22006480		-0.2612	-2.0999	0.037207	0.938449
cg23046154	chr13	25879162		-0.27226	-2.09865	0.037318	0.938449
cg11346333	chr1	12833744		-0.29578	-2.09717	0.037451	0.938538
cg08963118	chr16	89636230		-0.25309	-2.09917	0.037272	0.938449
cg19822176	chr6	43251485	TMEM63B	-0.32551	-2.09772	0.037402	0.938449
cg16702014	chr16	16168399	MPV17L;ABCC6;C16orf45;ABCC1;KIAA0430	0.415905	2.097059	0.037461	0.938538
cg08601192	chr10	1.32E+08	EBF3;GLRX3	0.305616	2.096921	0.037473	0.938538
cg25116269	chr2	55509523		-0.25812	-2.09937	0.037254	0.938449
cg03117540	chr1	3498927		-0.25584	-2.09896	0.037291	0.938449
cg04302628	chr2	2.41E+08		-0.25741	-2.10003	0.037195	0.938449
cg24013105	chr8	1.38E+08		-0.29765	-2.09846	0.037335	0.938449
cg05093576	chr17	54263750		-0.39274	-2.09769	0.037404	0.938449
cg25368667	chr1	26675790		-0.26886	-2.09661	0.037501	0.938538
cg21082271	chr19	18319197	HOMER3	0.18758	2.100267	0.037174	0.938449
cg14576824	chr1	2.13E+08		0.368391	2.097001	0.037466	0.938538
cg19180542	chr10	43047893		-0.25692	-2.09706	0.037461	0.938538

cg09896622	chr13	1.03E+08		0.28187	2.098974	0.03729	0.938449
cg00778928	chr2	1.28E+08		-0.21757	-2.097	0.037466	0.938538
cg09548950	chr19	55580897		-0.18959	-2.09748	0.037424	0.938449
cg25371672	chr10	1.3E+08		-0.2273	-2.09666	0.037497	0.938538
cg11265916	chr22	22221056	IGLV1-44	-0.2084	-2.09818	0.037361	0.938449
cg11131117	chr7	1891496	ENSG00000176349;TTYH3	0.323359	2.098298	0.03735	0.938449
cg23341567	chr17	38278395		-0.27002	-2.09749	0.037422	0.938449
cg19512848	chr14	94463829	SERPINA10	0.205172	2.098802	0.037305	0.938449
cg11190890	chr17	73870956		-0.21949	-2.09947	0.037245	0.938449
cg19942977	chr11	83394759	DLG2	-0.30919	-2.09917	0.037272	0.938449
cg10290988	chr11	1673766		-0.24229	-2.09749	0.037422	0.938449
cg21305068	chr21	45622219	ADARB1;ENSG00000268805	0.222486	2.099363	0.037255	0.938449
cg04946910	chr16	3243392		0.313319	2.095663	0.037587	0.938655
cg26110733	chr1	1.12E+08		-0.23581	-2.09903	0.037284	0.938449
cg19188881	chr17	40912968		0.312514	2.098152	0.037363	0.938449
cg18143488	chr2	2.02E+08		0.204753	2.096745	0.037489	0.938538
cg00646492	chr10	1.06E+08		0.29843	2.09722	0.037447	0.938538
cg04755607	chr10	94000543		-0.34424	-2.09822	0.037357	0.938449
cg24365984	chr11	1.21E+08		-0.31613	-2.09688	0.037477	0.938538
cg12210914	chr1	2.28E+08		0.353208	2.099271	0.037263	0.938449
cg03707776	chr11	8190448		-0.20134	-2.09476	0.037668	0.938719
cg02875118	chr11	1.13E+08		-0.26048	-2.09948	0.037244	0.938449
cg26185859	chr2	60691266	BCL11A	0.262391	2.09825	0.037354	0.938449
cg19141913	chr11	61684526		0.182433	2.099255	0.037264	0.938449

cg24120825	chr3	1.22E+08		0.170188	2.098914	0.037295	0.938449
cg08166431	chr16	11272247		0.262992	2.097583	0.037414	0.938449
cg01097696	chr13	53426032		-0.29627	-2.09532	0.037617	0.938655
cg04059773	chr19	53561563		0.419037	2.097273	0.037442	0.938538
cg07154063	chr2	1.76E+08		-0.19482	-2.0978	0.037394	0.938449
cg01139553	chr3	1.93E+08	MB21D2	-0.24187	-2.09548	0.037603	0.938655
cg04588165	chr17	35300874		0.270705	2.097451	0.037426	0.93845
cg13701730	chr9	99179288		-0.2209	-2.09457	0.037685	0.938719
cg11173246	chr11	841376	IFITM2;TSPAN4;DUSP8	0.285837	2.096035	0.037553	0.93861
cg07667765	chr6	1.7E+08		-0.33084	-2.09523	0.037625	0.938655
cg15319585	chr7	4307392		-0.25092	-2.0983	0.03735	0.938449
cg00266647	chr12	976027		-0.22686	-2.09697	0.037469	0.938538
cg26354908	chr12	49610040	ENSG00000258334;FMNL3;SPATS2;ASIC1;PRPH;WNT10B;KCNH3	-0.27255	-2.09697	0.037469	0.938538
cg05184456	chr8	1.46E+08		0.295529	2.095943	0.037561	0.93861
cg07497315	chr14	50697894		-0.2332	-2.0964	0.037521	0.938538
cg01244651	chr1	43734751		0.225824	2.096435	0.037517	0.938538
cg17886303	chr1	1.54E+08		-0.25927	-2.09639	0.037521	0.938538
cg18264219	chr17	34346433		-0.25797	-2.09532	0.037617	0.938655
cg16005494	chr7	70597713		0.272993	2.094263	0.037713	0.938719
cg15443403	chr3	9404422		0.333815	2.095566	0.037595	0.938655
cg24336089	chr6	1E+08		0.270504	2.096799	0.037484	0.938538
cg23115069	chr15	93615677		-0.17104	-2.09831	0.037349	0.938449

cg11539055	chr4	80886264	0.478424	2.096481	0.037513	0.938538
cg18522655	chr17	77461284	-0.30633	-2.10049	0.037154	0.938449
cg10030658	chr6	56298004	0.46788	2.09791	0.037385	0.938449
cg10965384	chr11	64119977	-0.18852	-2.09442	0.037698	0.938719
cg03252527	chr11	798106	-0.1538	-2.09916	0.037273	0.938449
cg22078869	chr5	1.34E+08	-0.14167	-2.09955	0.037238	0.938449
cg14381908	chr10	43697817	0.340566	2.09777	0.037397	0.938449
cg04272133	chr14	1.01E+08	-0.19574	-2.09816	0.037362	0.938449
cg11779239	chr17	73762276	0.163143	2.098821	0.037303	0.938449
cg26887085	chr6	88861706	-0.35018	-2.09823	0.037356	0.938449
cg10219783	chr16	75302381	0.205513	2.095136	0.037634	0.938655
cg04524433	chr16	88924729	-0.12902	-2.09601	0.037555	0.93861
cg02835742	chr8	29121006	-0.2401	-2.09594	0.037562	0.93861
cg17427986	chr1	1.54E+08	-0.20127	-2.09873	0.037312	0.938449
cg10553596	chr2	2.43E+08	-0.21991	-2.09563	0.037589	0.938655
cg14852540	chr17	79683076	-0.21006	-2.09762	0.037411	0.938449
cg09877136	chr14	54955533	0.188918	2.100546	0.037149	0.938449
cg02347527	chr12	1.14E+08	0.258114	2.096422	0.037518	0.938538
cg16175146	chr7	75783554	-0.21998	-2.09796	0.03738	0.938449
cg00216680	chr6	88117358	-0.3223	-2.10108	0.037102	0.937923
cg01079860	chr2	2.2E+08	-0.26349	-2.09889	0.037297	0.938449
cg05732979	chr14	57284219	-0.20844	-2.09889	0.037297	0.938449
cg15055808	chr19	40030247	0.209831	2.09758	0.037414	0.938449
cg20443314	chr17	40925245	0.357128	2.096097	0.037547	0.93861
cg06424866	chr17	45570168	0.205828	2.096364	0.037523	0.938538

cg24511738	chr8	9762716		0.218061	2.09896	0.037291	0.938449
cg02110701	chr16	88556838		-0.26251	-2.09478	0.037666	0.938719
cg27448574	chr1	24127224		0.203804	2.102466	0.036979	0.937425
cg11913615	chr16	84273157		0.281478	2.097638	0.037409	0.938449
cg23121335	chr11	67784489		-0.23826	-2.09707	0.03746	0.938538
cg16136939	chr10	13344341		-0.18408	-2.09636	0.037524	0.938538
cg01072952	chr5	83679364		0.224187	2.097687	0.037405	0.938449
cg12074221	chr15	31732992		0.191197	2.099374	0.037254	0.938449
cg15032166	chr7	1.55E+08		0.217846	2.094274	0.037712	0.938719
cg04928096	chr16	338079	POLR3K	0.27372	2.098014	0.037375	0.938449
cg01822130	chr3	96534005		0.336903	2.097564	0.037416	0.938449
cg08151596	chr3	1.31E+08		0.276552	2.09536	0.037614	0.938655
cg02994349	chr1	66999753		0.358596	2.096423	0.037518	0.938538
cg10950615	chr2	1.22E+08		-0.44208	-2.0968	0.037484	0.938538
cg23712359	chr10	31609905		0.319705	2.095662	0.037587	0.938655
cg05855157	chr4	1.11E+08		0.331627	2.094141	0.037724	0.938719
cg18430034	chr5	447746		-0.27771	-2.09619	0.037539	0.93861
cg08931404	chr13	29227083		-0.26637	-2.09524	0.037625	0.938655
cg25250073	chr15	75229567		0.30897	2.0995	0.037243	0.938449
cg03945320	chr16	733905		-0.17487	-2.09641	0.03752	0.938538
cg03216261	chr6	44265681		-0.16013	-2.0983	0.03735	0.938449
cg00005164	chr19	35511522		0.197524	2.094881	0.037657	0.938719
cg03533294	chr2	2.2E+08		0.241201	2.097653	0.037408	0.938449
cg07525003	chr13	36871646		0.41047	2.096955	0.03747	0.938538
cg22947965	chr11	1.24E+08		-0.34027	-2.09438	0.037702	0.938719

cg16057587	chr7	1.37E+08		-0.37857	-2.0958	0.037574	0.938655
cg01490094	chr8	72917363		0.34902	2.096483	0.037513	0.938538
cg03527887	chr11	1.08E+08		0.242145	2.10215	0.037007	0.937425
cg08359200	chr15	78236860		-0.17973	-2.09406	0.037731	0.938719
cg19601991	chr5	10353435		0.147461	2.09623	0.037536	0.93861
cg26791682	chr12	49186590	ENSG00000258334;CCDC65;PRPH;KCNH3;CACNB3;C12orf68;FMNL3;TUBA1A;TMBIM6;RHEBL1;ZNF641;LMBR1L;KANSL2;SPATS2;DNAJC22	0.333054	2.10195	0.037024	0.937425
cg00674004	chr10	1.01E+08		0.28402	2.095307	0.037619	0.938655
cg22175873	chr5	1.41E+08	ENSG00000246422	0.346856	2.095224	0.037626	0.938655
cg17657814	chr5	1.12E+08	MCC	0.347223	2.099693	0.037225	0.938449
cg00104845	chr5	1.41E+08	PCDHB2	0.482647	2.096384	0.037522	0.938538
cg16980530	chr2	69099584		-0.26229	-2.09412	0.037725	0.938719
cg05792861	chr3	18145434		-0.28515	-2.09758	0.037414	0.938449
cg24822074	chr8	1.43E+08		-0.20947	-2.09674	0.03749	0.938538
cg04546413	chr19	29218101		-1.48155	-2.09284	0.037841	0.938719
cg14376968	chr9	1.32E+08		-0.15072	-2.09669	0.037494	0.938538
cg07281688	chr12	57082442		-0.26657	-2.09595	0.037561	0.93861
cg26861703	chr18	28622918		0.184938	2.101185	0.037092	0.93779
cg14082739	chr9	1.27E+08	NEK6;PSMB7	-0.40881	-2.0964	0.037521	0.938538

cg04391972	chr4	1.83E+08		0.308384	2.099092	0.037279	0.938449
cg02610507	chr8	1.46E+08	ZNF34	-0.18075	-2.09493	0.037653	0.938719
cg09489682	chr13	1.14E+08		-0.24364	-2.0965	0.037512	0.938538
cg04396765	chr10	76585478		0.16137	2.098725	0.037312	0.938449
cg14347300	chr9	6009806	JAK2	-0.27466	-2.09739	0.037432	0.938538
cg03182218	chr17	7100221		-0.25887	-2.09356	0.037776	0.938719
cg21152351	chr6	16057773		-0.25577	-2.09805	0.037372	0.938449
cg16456172	chr7	1.5E+08		-0.21162	-2.09272	0.037852	0.938719
cg14006170	chr19	12721583	CACNA1A	-0.18253	-2.09463	0.03768	0.938719
cg13467649	chr8	27630342		-0.30529	-2.09736	0.037434	0.938538
cg21654404	chr12	1.19E+08		-0.24217	-2.09463	0.037679	0.938719
cg01050920	chr6	1.23E+08		0.388244	2.093933	0.037742	0.938719
cg24141690	chr10	1.25E+08		0.190783	2.095764	0.037577	0.938655
cg13784264	chr15	93199130		0.15105	2.098828	0.037303	0.938449
cg08312083	chr2	1.15E+08		-0.17808	-2.09295	0.037831	0.938719
cg23335736	chr2	6717184		-0.26082	-2.0943	0.03771	0.938719
cg02252323	chr3	22414339		0.224981	2.093667	0.037766	0.938719
cg05788176	chr10	1.29E+08	ENSG00000223528;DOCK1	0.262984	2.099136	0.037275	0.938449
cg27212541	chr3	49507385		-0.44285	-2.09697	0.037469	0.938538
cg12334990	chr2	1.06E+08		-0.18585	-2.09509	0.037638	0.938655
cg00507234	chr20	5986979		0.216635	2.093994	0.037737	0.938719
cg00365880	chr15	64647465		0.285617	2.100767	0.03713	0.938232
cg17952446	chr6	1.12E+08		0.190458	2.097897	0.037386	0.938449
cg00934997	chr14	73957439	ZFYVE1	-0.19744	-2.09516	0.037632	0.938655

cg17231677	chr10	1.03E+08		0.320355	2.094332	0.037706	0.938719
cg26418433	chr6	33239716	WDR46	-0.21887	-2.09821	0.037358	0.938449
cg02264229	chr14	95240560		0.232966	2.092396	0.037881	0.938916
cg14231704	chr17	80402432		-0.25558	-2.10061	0.037144	0.938423
cg19214024	chr19	3227772		0.195554	2.096167	0.037541	0.93861
cg18663621	chr5	1178277	NKD2	-0.23438	-2.09457	0.037685	0.938719
cg13487456	chr9	37773816		-0.27346	-2.09353	0.037779	0.938719
cg19344878	chr12	1.31E+08		0.519518	2.114599	0.035915	0.934815
cg06280734	chr16	89117326		0.233782	2.095681	0.037585	0.938655
cg25465641	chr8	1.42E+08		-0.2783	-2.09596	0.03756	0.93861
cg09306584	chr19	21579833		0.271917	2.095388	0.037611	0.938655
cg01695412	chr3	1.96E+08		0.348368	2.09538	0.037612	0.938655
cg09183388	chr5	1.76E+08		0.237678	2.095206	0.037628	0.938655
cg00210144	chr17	7210280		-0.19683	-2.093	0.037827	0.938719
cg14826031	chr11	75376361		-0.31324	-2.09522	0.037626	0.938655
cg18442187	chr6	50794722		0.361364	2.095552	0.037596	0.938655
cg15710198	chr8	55370334		0.281809	2.093326	0.037797	0.938719
cg08857436	chr7	90813370		0.299043	2.093013	0.037826	0.938719
cg03428399	chr1	1.65E+08	UCK2	-0.28419	-2.09495	0.037651	0.938719
cg03681562	chr6	1.51E+08		-0.27104	-2.09609	0.037548	0.93861
cg26863563	chr1	17973341	CROCC	-0.27526	-2.09461	0.037682	0.938719
cg16178353	chr5	81630266		-0.38319	-2.09412	0.037725	0.938719
cg02300114	chr12	1.31E+08	FZD10-AS1;GPR133	-0.2136	-2.10099	0.03711	0.938002
cg04924099	chr1	2.29E+08		0.201481	2.095161	0.037632	0.938655

cg26640515	chr6	1.33E+08		0.293443	2.099261	0.037264	0.938449
cg02844545	chr6	10882043		0.264496	2.094401	0.0377	0.938719
cg26332797	chr7	1.18E+08		0.192274	2.097242	0.037445	0.938538
cg23740491	chr6	27228267		0.307742	2.093969	0.037739	0.938719
cg04510564	chr7	27034796		-0.30355	-2.09396	0.03774	0.938719
cg11689102	chr19	36229251	FXYD3	-0.27692	-2.09144	0.037968	0.938916
cg22896793	chr20	3712795		-0.17305	-2.09345	0.037786	0.938719
cg23739027	chr6	31850912		-0.14924	-2.09589	0.037566	0.938648
cg11038073	chr18	47088421		-0.31462	-2.09401	0.037736	0.938719
cg19658268	chr7	1E+08		-0.21619	-2.09587	0.037568	0.938648
cg07937271	chr4	13542719		0.261146	2.093075	0.03782	0.938719
cg25096740	chr1	20140828		-0.17574	-2.09408	0.037729	0.938719
cg22370006	chr6	1.54E+08		0.392452	2.093514	0.03778	0.938719
cg02694972	chr6	43249501		-0.25387	-2.09101	0.038007	0.938916
cg22497933	chr1	65719344		-0.25707	-2.09463	0.03768	0.938719
cg24261921	chr3	45821484		0.208052	2.095181	0.03763	0.938655
cg21263566	chr1	95561502	ENSG00000226026;ABCA4;ABCD3;ARHGAP29	0.306376	2.09769	0.037404	0.938449
cg06008480	chr11	1.13E+08		0.165194	2.092123	0.037906	0.938916
cg13846270	chr13	51417929		0.283185	2.093338	0.037796	0.938719
cg10851715	chr8	49984830		0.304264	2.096161	0.037542	0.93861
cg13730859	chr3	1.84E+08		0.249602	2.093225	0.037806	0.938719
cg00899086	chr4	77871294		-0.23106	-2.09364	0.037769	0.938719
cg19788417	chr20	30027638		0.181328	2.095072	0.03764	0.938655

cg22097425	chr11	1.26E+08		0.313456	2.09386	0.037749	0.938719
cg02086431	chr10	48391314		-0.19756	-2.09382	0.037753	0.938719
cg18721838	chr4	1.56E+08		-0.37279	-2.09307	0.03782	0.938719
cg21092373	chr13	36430038		-0.33377	-2.09433	0.037706	0.938719
cg22994720	chr11	74441988	ENSG00000241170	0.237294	2.096024	0.037554	0.93861
cg14366110	chr9	1.34E+08		-0.29997	-2.09364	0.037769	0.938719
cg09359151	chr14	1.04E+08		-0.23311	-2.09336	0.037794	0.938719
cg07207053	chr12	1.33E+08		-0.27643	-2.09223	0.037896	0.938916
cg00438071	chr16	47005331		-0.30424	-2.0932	0.037809	0.938719
cg12879576	chr22	51049360		-0.22475	-2.09374	0.037759	0.938719
cg07099609	chr7	4761835		-0.23821	-2.09142	0.03797	0.938916
cg17338133	chr3	1.84E+08	MCF2L2	0.346767	2.096106	0.037547	0.93861
cg05684715	chr12	1.31E+08		0.444811	2.092638	0.03786	0.938719
cg00514413	chr19	1238130		-0.14863	-2.09446	0.037695	0.938719
cg26370066	chr19	7685601		0.256179	2.093382	0.037792	0.938719
cg20655434	chr11	67159118		-0.14942	-2.09804	0.037373	0.938449
cg24878051	chr1	3305115		-0.39403	-2.09481	0.037663	0.938719
cg04415045	chr11	10315754		0.199425	2.097576	0.037415	0.938449
cg20403409	chr10	1.27E+08		0.213912	2.094827	0.037662	0.938719
cg06020182	chr2	365232		-0.27813	-2.09304	0.037823	0.938719
cg12402038	chr10	53459369		0.177114	2.096526	0.037509	0.938538
cg05342250	chr12	58240843	MARS	-0.1939	-2.09316	0.037812	0.938719
cg23715030	chr1	96500991	EEF1A1P11	-0.286	-2.09872	0.037313	0.938449

cg01716603	chr17	37029974	SRCIN1;PLXDC1;ARHGAP23;HNF1B;LINC00672;PIP4K2B;MLLT6;NEUROD2;STARD3;PCGF2;ENSG00000214546;CACNB1	0.344164	2.098908	0.037295	0.938449
cg27142530	chr4	1.87E+08	FAM149A;ANKRD37;C4orf47;CCDC110;LRP2BP;ORAOV1P1	-0.3392	-2.09712	0.037455	0.938538
cg01812919	chr12	1.24E+08	ENSG00000269938	0.283008	2.090472	0.038056	0.938916
cg16246200	chr18	77222022		-0.41143	-2.09232	0.037888	0.938916
cg09969806	chr2	2.42E+08		0.236833	2.092547	0.037868	0.938737
cg09772831	chr19	12175160		0.219085	2.098175	0.037361	0.938449
cg10937590	chr2	2.07E+08	NDUFS1	0.272811	2.096348	0.037525	0.938538
cg17697483	chr7	98610013		-0.22727	-2.09125	0.037985	0.938916
cg22497095	chr6	28601375		0.513991	2.094724	0.037671	0.938719
cg07200871	chr17	1040975		0.399455	2.093945	0.037741	0.938719
cg09236819	chr11	64876055	FAU;DRAP1	-0.23127	-2.09834	0.037347	0.938449
cg02349739	chr19	50354824		-0.1604	-2.09393	0.037743	0.938719
cg11186122	chr4	1.74E+08		0.160543	2.091718	0.037943	0.938916
cg01963061	chr14	65879906		-0.206	-2.09295	0.037831	0.938719
cg14755699	chr2	2.4E+08		-0.26572	-2.09288	0.037837	0.938719
cg13396943	chr4	1.18E+08		-0.34178	-2.08976	0.03812	0.938916
cg07552803	chr8	24771326		0.378804	2.094971	0.037649	0.938719

cg14538441	chr4	89444921		-0.13933	-2.09263	0.03786	0.938719
cg05358848	chr7	44579475		-0.24571	-2.0933	0.0378	0.938719
cg13386903	chr6	1.67E+08		-0.30361	-2.09105	0.038003	0.938916
cg00547414	chr10	1.13E+08		0.267262	2.096582	0.037504	0.938538
cg14666473	chr12	27091463		-0.18125	-2.09642	0.037518	0.938538
cg13400443	chr10	94593558		-0.24231	-2.09268	0.037856	0.938719
cg12703904	chr3	1.26E+08		-0.25981	-2.09556	0.037596	0.938655
cg12504882	chr2	1.77E+08		0.234626	2.093845	0.03775	0.938719
cg11413570	chr1	1.09E+08		0.269408	2.092144	0.037904	0.938916
cg14477135	chr3	1.7E+08		0.205784	2.096103	0.037547	0.93861
cg11864882	chr18	43652232		-0.15154	-2.09381	0.037754	0.938719
cg21780393	chr17	46618919		0.26983	2.090862	0.038021	0.938916
cg20234910	chr13	1.05E+08		-0.32525	-2.09531	0.037618	0.938655
cg02485729	chr12	1.29E+08		-0.28219	-2.09078	0.038028	0.938916
cg23732560	chr3	45267976		-0.14702	-2.09256	0.037866	0.938737
cg00522679	chr11	1.3E+08		-0.12945	-2.0942	0.037718	0.938719
cg01269718	chr18	13869025		0.30089	2.093739	0.03776	0.938719
cg00119284	chr3	9904130		-0.29633	-2.09399	0.037738	0.938719
cg21175326	chr14	59074518		0.234479	2.092795	0.037845	0.938719
ch.7.7473F	chr7	30520804		-0.31382	-2.09312	0.037816	0.938719
cg10444037	chr6	42531637	USP49	-0.17624	-2.09634	0.037526	0.938538
cg07608333	chr19	7813422		0.313705	2.091563	0.037957	0.938916
cg16909293	chr1	68171537	DEPDC1	-0.29165	-2.08993	0.038105	0.938916
cg07382842	chr6	18278113		-0.25085	-2.09187	0.037929	0.938916
cg11236311	chr7	1.05E+08		0.372067	2.093707	0.037763	0.938719

cg08815670	chr10	76995827		0.159279	2.091196	0.03799	0.938916
cg08607108	chr7	2109890	PSMG3	-0.26617	-2.09506	0.03764	0.938655
cg08750504	chr2	1.73E+08		0.295592	2.090933	0.038014	0.938916
cg16171771	chr3	34187750		-0.344	-2.09078	0.038028	0.938916
cg24002003	chr15	1.02E+08	SPATA41	0.277099	2.094688	0.037674	0.938719
cg03182958	chr2	2.23E+08		-0.32368	-2.09422	0.037716	0.938719
cg15838142	chr17	77184010		0.238678	2.092547	0.037868	0.938737
cg03578495	chr2	9283920		-0.2055	-2.09195	0.037922	0.938916
cg04121561	chr21	44007550		-0.2208	-2.09317	0.037812	0.938719
cg08180070	chr2	1.1E+08		0.325965	2.093852	0.03775	0.938719
cg17235374	chr17	27717757		-0.15578	-2.09334	0.037796	0.938719
cg06453997	chr4	1.87E+08		0.214313	2.092685	0.037855	0.938719
cg13917662	chr13	1.01E+08		0.227962	2.092078	0.03791	0.938916
cg08198176	chr3	37494602	ITGA9	0.291281	2.089541	0.038141	0.938916
cg00702231	chr6	1.44E+08		-0.33145	-2.09507	0.03764	0.938655
cg07683330	chr7	1.3E+08		-0.1511	-2.0958	0.037575	0.938655
cg01518016	chr19	39695237		-0.24047	-2.08978	0.038119	0.938916
cg18073390	chr5	1.4E+08		0.371929	2.090751	0.038031	0.938916
cg21264521	chr1	2.03E+08		-0.19201	-2.0918	0.037936	0.938916
cg24109894	chr1	36108212		0.260102	2.08995	0.038104	0.938916
cg09896298	chr10	76818435		0.259538	2.090563	0.038048	0.938916
cg14013099	chr1	2.48E+08		-0.36037	-2.09053	0.038051	0.938916
cg27156584	chr11	58207784		-0.31141	-2.09281	0.037844	0.938719
cg14336566	chr14	1.04E+08	TDRD9	0.382026	2.092754	0.037849	0.938719
cg05515713	chr2	10262434		-0.14364	-2.0886	0.038227	0.938916

cg00508575	chr12	90050967		0.27626	2.091117	0.037997	0.938916
cg10707733	chr11	1104492		0.217236	2.090675	0.038038	0.938916
cg02186966	chr7	93633904		0.23796	2.092105	0.037908	0.938916
cg03915167	chr11	1.06E+08		-0.1488	-2.09023	0.038078	0.938916
cg11800608	chr20	56724999	SLMO2	-0.25549	-2.09031	0.038071	0.938916
cg02562579	chr15	68889832		-0.20238	-2.09564	0.037589	0.938655
cg00499524	chr2	1.23E+08		-0.16916	-2.09118	0.037992	0.938916
cg15000071	chr3	1.35E+08		-0.20282	-2.08955	0.03814	0.938916
cg16084363	chr7	38331753		-0.30047	-2.09418	0.03772	0.938719
cg11324712	chr6	1.66E+08	PRR18;C6orf118	-0.28265	-2.09142	0.03797	0.938916
cg24576735	chr10	99473759		0.179871	2.093268	0.037803	0.938719
cg27352765	chr3	98620662		-0.1974	-2.09171	0.037944	0.938916
cg10298215	chr6	32730046		0.26515	2.092791	0.037846	0.938719
cg12601032	chr20	35402306		-0.11794	-2.09507	0.03764	0.938655
cg05289022	chr2	98377864	INPP4A;ZAP70	-0.37091	-2.09163	0.037951	0.938916
cg12025436	chr17	80034445	ENSG00000264769	-0.19692	-2.09465	0.037678	0.938719
cg15203833	chr19	46406024		0.123746	2.090271	0.038074	0.938916
ch.6.77755434R	chr6	77698715		-0.22094	-2.08893	0.038196	0.938916
cg08885100	chr15	65322449	GAPDHP61;PLEKHO2;IGDCC4	0.483175	2.09127	0.037984	0.938916
cg14347219	chr6	1.71E+08	THBS2	-0.2037	-2.0895	0.038144	0.938916
cg18232772	chr22	50165512		0.34081	2.091135	0.037996	0.938916
cg09782746	chr12	1.33E+08		-0.21281	-2.09321	0.037808	0.938719
cg00576279	chr12	54427293		0.276031	2.090152	0.038085	0.938916

cg24137322	chr4	77484566	ART3;FAM47E;SHROOM3;CDKL2	0.248763	2.091303	0.037981	0.938916
cg16464144	chr14	59113178		-0.32999	-2.09008	0.038092	0.938916
cg15936861	chr12	1.3E+08	FZD10-AS1	0.425608	2.090204	0.03808	0.938916
cg12671336	chr14	52119439	GNG2	-0.20706	-2.08986	0.038112	0.938916
cg17451457	chr3	39186729		0.197629	2.093562	0.037776	0.938719
cg03450370	chr3	36986589		0.187196	2.091783	0.037937	0.938916
cg23122570	chr15	45883463		-0.31873	-2.09435	0.037705	0.938719
cg27349909	chr4	746564		-0.26081	-2.09105	0.038003	0.938916
cg01869243	chr2	2.33E+08		-0.18912	-2.08889	0.0382	0.938916
cg05852276	chr5	1.41E+08		0.402877	2.091634	0.037951	0.938916
cg11866331	chr3	1.09E+08		0.227352	2.089349	0.038158	0.938916
cg05738743	chr8	1.19E+08		0.213197	2.091048	0.038004	0.938916
cg02931753	chr4	1.54E+08		-0.18278	-2.08996	0.038102	0.938916
cg09777525	chr17	74965708		-0.16364	-2.09156	0.037957	0.938916
cg02779948	chr10	70092852		-0.3061	-2.09314	0.037814	0.938719
cg05554353	chr6	1.26E+08		-0.13183	-2.08752	0.038325	0.938916
cg21455485	chr1	27930657		-0.14679	-2.09103	0.038006	0.938916
cg18803856	chr8	1495169		-0.28984	-2.09043	0.03806	0.938916
cg18787401	chr19	56879559		0.186128	2.090311	0.038071	0.938916
cg07247778	chr6	793612		0.250321	2.089919	0.038106	0.938916

cg25067686	chr6	32078453	HLA-DPB1;HLA-DMA;LST1;GPSM3;HLA-DOA;LTB;HLA-DPA1;HLA-DRA;HCP5;HLA-DMB;TAPSAR1	-0.18173	-2.09121	0.037989	0.938916
cg12586386	chr11	77299805	ENSG00000236304	0.475974	2.088574	0.038229	0.938916
cg26391832	chr2	45237929		-0.28795	-2.0917	0.037945	0.938916
cg16369400	chr17	58041258		0.319986	2.089803	0.038117	0.938916
cg01861131	chr16	4845708	C16orf71;CDIP1;SMIM22;GLYR1;C16orf89;ENSG00000266994;GLIS2;SEC14L5;CORO7;SRL;ROGDI	0.272352	2.092923	0.037834	0.938719
cg09455823	chr2	2.02E+08	AOX1;TRAK2	0.255852	2.09251	0.037871	0.938766
cg03746929	chr21	33684319	TIAM1	0.244256	2.090644	0.03804	0.938916
cg07905975	chr6	33288366		0.458973	2.090134	0.038087	0.938916
cg13219108	chr20	9495130		0.325362	2.091541	0.037959	0.938916
cg22075328	chr22	23412381	IGLV1-44;IGLC3;GNAZ;IGLV3-21;IGLV3-25	-0.16976	-2.08922	0.03817	0.938916
cg06996165	chr15	51559577		-0.19367	-2.0894	0.038154	0.938916
cg23636682	chr15	76196679		0.232239	2.090979	0.03801	0.938916

cg05641439	chr1	1.68E+08		0.183158	2.089995	0.0381	0.938916
cg25143771	chr10	1.05E+08	CNNM2;CYP17A1	0.343546	2.090842	0.038022	0.938916
cg08526074	chr16	51184562		-0.33855	-2.08833	0.038252	0.938916
cg15770125	chr3	8693781		-0.21041	-2.08946	0.038148	0.938916
cg06481639	chr22	41940642		-0.13614	-2.09183	0.037933	0.938916
cg25601830	chr1	19630524		0.184931	2.090627	0.038042	0.938916
cg22939005	chr7	55128553		0.235445	2.098277	0.037352	0.938449
cg18236863	chr22	38470483		0.195612	2.088755	0.038213	0.938916
cg22530668	chr1	5919081		-0.23884	-2.09273	0.037851	0.938719
cg00292978	chr5	1.78E+08		-0.15577	-2.08795	0.038286	0.938916
cg04075184	chr2	1.22E+08		-0.24876	-2.0888	0.038209	0.938916
cg05426702	chr15	40574544		-0.15872	-2.08896	0.038194	0.938916
cg13289118	chr15	75255681		0.242475	2.089573	0.038138	0.938916
cg04845449	chr22	18560810		-0.14765	-2.09323	0.037806	0.938719
cg22583967	chr20	35580439		0.24487	2.090705	0.038035	0.938916
cg05031519	chr17	47834172		-0.22196	-2.09121	0.037989	0.938916
cg04963697	chr16	3570555		-0.43373	-2.09123	0.037987	0.938916
cg27077250	chr19	47852528		0.22988	2.089452	0.038149	0.938916
cg12752627	chr10	94827528		0.32098	2.089342	0.038159	0.938916
cg27465384	chr16	1435426		-0.29489	-2.0881	0.038272	0.938916
cg18858717	chr14	90863402		0.144156	2.093114	0.037816	0.938719
cg09100988	chr11	66725961	RBM14	-0.2088	-2.09026	0.038076	0.938916
cg27248029	chr17	71039644		0.266443	2.090143	0.038086	0.938916
cg09680827	chr4	1.47E+08		0.240384	2.091776	0.037938	0.938916
cg04129430	chr3	49236376		0.241183	2.08814	0.038269	0.938916

cg15601807	chr10	45495677		-0.31018	-2.09162	0.037952	0.938916
cg10589602	chr1	30853096		-0.13636	-2.08922	0.03817	0.938916
cg03960313	chr13	24152357	TNFRSF19;LINC00327	0.313562	2.089611	0.038134	0.938916
cg08172065	chr8	70981796		0.295455	2.090305	0.038071	0.938916
cg25058023	chr7	1.55E+08		0.256154	2.091743	0.037941	0.938916
cg05128414	chr1	1.98E+08		0.324882	2.089422	0.038152	0.938916
cg17616192	chr17	80009015	MAFG-AS1;WDR45B;PCYT2;SECTM1;BAIAP2;C17orf62	0.246674	2.089692	0.038127	0.938916
cg08129761	chr6	35743705	STK38	-0.19539	-2.09164	0.03795	0.938916
cg06367117	chr17	26903928		-0.23214	-2.08905	0.038185	0.938916
cg14081950	chr15	69615415		-0.2083	-2.08877	0.038211	0.938916
cg02203760	chr11	71294819		-0.23379	-2.09061	0.038044	0.938916
cg11247378	chr22	39784982	ADSL	0.551087	2.087403	0.038336	0.938965
cg11241498	chr12	14134816		0.28274	2.088909	0.038198	0.938916
cg03997167	chr2	2829723		0.239822	2.092672	0.037856	0.938719
cg08108868	chr14	90920921	TTC7B;TDP1	-0.14106	-2.09036	0.038066	0.938916
cg12329933	chr5	59968073		0.238439	2.089498	0.038145	0.938916
cg10830279	chr11	27971709		0.22141	2.087644	0.038314	0.938916
cg11410473	chr6	1.68E+08	MLLT4	-0.25202	-2.09658	0.037504	0.938538
cg11414202	chr17	26501467		0.259659	2.087788	0.038301	0.938916
cg09269620	chr19	30335920		0.280184	2.086656	0.038404	0.939456
cg22774379	chr19	2269889		-0.11809	-2.09206	0.037912	0.938916
cg15885786	chr10	54054127		-0.38667	-2.0889	0.038199	0.938916

cg08038353	chr3	68982064		0.33179	2.088015	0.03828	0.938916
cg02927836	chr10	1.05E+08		0.284046	2.086537	0.038415	0.939538
cg26906258	chr7	1.59E+08	PTPRN2;ENSG00000231980;LINC00689;WDR60	-0.1859	-2.09145	0.037968	0.938916
cg17599958	chr11	993718		-0.33587	-2.08834	0.03825	0.938916
cg16383573	chr1	1017019		0.187175	2.088441	0.038241	0.938916
cg15443128	chr17	78165092		-0.19843	-2.08872	0.038216	0.938916
cg14462067	chr6	3158207	ENSG00000272320;SERPINB9;BPHL	0.187238	2.09153	0.03796	0.938916
cg04489851	chr1	25172226		-0.24154	-2.09105	0.038003	0.938916
cg18037893	chr8	12952665		-0.2278	-2.0903	0.038072	0.938916
cg09696706	chr7	47479511		0.240554	2.090307	0.038071	0.938916
cg21504345	chr13	36505140		-0.33862	-2.09131	0.03798	0.938916
cg04467618	chr6	1.34E+08	TCF21;SLC2A12	0.305457	2.089085	0.038182	0.938916
cg16810449	chr7	98973241		-0.17505	-2.0886	0.038226	0.938916
cg11428482	chr22	45405333		0.135628	2.088344	0.03825	0.938916
cg09167413	chr5	90172358		-0.27741	-2.08886	0.038203	0.938916
cg14074201	chr6	31698037		-0.2018	-2.08732	0.038343	0.939091
cg08900363	chr7	637454		-0.21984	-2.09236	0.037884	0.938916
cg01239154	chr20	30776159	HM13;TTLL9	0.233558	2.087467	0.03833	0.938916
cg08178168	chr22	35934864	RASD2	-0.21106	-2.08952	0.038143	0.938916
cg17174400	chr8	97712676		0.224136	2.090987	0.038009	0.938916
cg05527459	chr1	92012148		0.549944	2.088289	0.038255	0.938916
cg25650390	chr19	34895271		0.171691	2.088255	0.038258	0.938916

cg23645052	chr13	61490822		0.328508	2.086379	0.03843	0.939538
cg14352983	chr18	6414976		-0.43644	-2.09	0.038099	0.938916
cg15180867	chr20	591076	SDCBP2	0.299901	2.090513	0.038052	0.938916
ch.1.822136R	chr1	24746734		-0.31308	-2.08745	0.038332	0.938916
cg11122148	chr13	45150705	LINC00284	-0.2303	-2.08818	0.038265	0.938916
cg17840843	chr20	30135158		0.169851	2.086995	0.038373	0.939306
cg20586607	chr14	50235780		0.176342	2.091261	0.037984	0.938916
cg13403232	chr10	98802990		0.355171	2.087509	0.038326	0.938916
cg06333435	chr8	22102724		-0.13213	-2.08842	0.038243	0.938916
cg06888415	chr1	1.5E+08		0.146422	2.088947	0.038195	0.938916
cg07388347	chr12	1.33E+08		0.347745	2.08844	0.038241	0.938916
cg02598872	chr15	96952150		0.290756	2.085832	0.03848	0.939761
cg24430147	chr1	1.16E+08	DENND2C	-0.24237	-2.09173	0.037942	0.938916
cg14707898	chr6	41888549		-0.19604	-2.09054	0.03805	0.938916
cg01958481	chr8	1.45E+08	TSTA3;SLC52A2	0.225039	2.088103	0.038272	0.938916
cg02367696	chr10	1.03E+08		0.247171	2.086533	0.038416	0.939538
cg06171908	chr19	57630340	ZNF135	0.358869	2.089289	0.038164	0.938916
cg26186727	chr18	70534534		0.333945	2.088225	0.038261	0.938916
cg19601447	chr10	1.35E+08		0.215842	2.088895	0.0382	0.938916
cg09217219	chr21	46021244	LINC00205	-0.18946	-2.08798	0.038283	0.938916
cg23990932	chr17	38521365		-0.19571	-2.08834	0.03825	0.938916
cg01627201	chr6	30551221		-0.23225	-2.08616	0.03845	0.93955
cg23976487	chr14	1.06E+08	ADSSL1;C14orf79;IGHV3-21;IGHV3-11	0.258039	2.086236	0.038443	0.939538

cg08222185	chr21	46494823		-0.16891	-2.08687	0.038385	0.939306
cg01798899	chr12	1.26E+08		-0.25458	-2.0883	0.038254	0.938916
cg24389599	chr21	47531945		-0.26515	-2.09141	0.037971	0.938916
cg15331834	chr10	45360969		-0.27485	-2.08995	0.038104	0.938916
cg24695849	chr19	58552671		-0.23525	-2.08586	0.038477	0.939761
cg19548004	chr17	27046597		-0.15784	-2.08928	0.038164	0.938916
cg24635866	chr12	69979163		-0.20014	-2.08849	0.038236	0.938916
cg26155719	chr21	47918693		-0.29734	-2.08753	0.038324	0.938916
cg08623556	chr1	2.13E+08		0.149263	2.088072	0.038275	0.938916
cg24132694	chr19	7984945		0.24706	2.087489	0.038328	0.938916
cg08716372	chr1	50489954		0.312205	2.092955	0.037831	0.938719
cg26441486	chr22	50317300		-0.35713	-2.08683	0.038389	0.939306
cg14900154	chr17	4074385	P2RX5	0.202741	2.090706	0.038035	0.938916
cg07461370	chr5	49397		-0.20731	-2.08644	0.038424	0.939538
cg19634527	chr17	30814814		-0.3185	-2.0876	0.038318	0.938916
cg24106257	chr19	3572869		-0.17692	-2.0885	0.038236	0.938916
cg12253469	chr22	37420454		0.276747	2.088139	0.038269	0.938916
cg12968701	chr12	57881178		0.257596	2.09	0.038099	0.938916
cg03290522	chr15	80634248	TMED3	-0.25584	-2.08867	0.038221	0.938916
cg18198550	chr6	35889893		0.231623	2.092739	0.03785	0.938719
cg09473759	chr16	9057885		0.152814	2.087746	0.038305	0.938916
cg04338250	chr19	46543685		-0.19924	-2.08748	0.038329	0.938916
cg19436929	chr3	1.5E+08		0.29674	2.086945	0.038378	0.939306
cg23657393	chr20	42790697	OSER1	0.222372	2.086275	0.038439	0.939538
cg01943447	chr1	1.81E+08		-0.22385	-2.08718	0.038357	0.93923

cg00082497	chr1	32802133		0.249327	2.084836	0.038572	0.940085
cg19062966	chr18	32924746		0.224983	2.086794	0.038392	0.939306
cg12198157	chr3	1.34E+08		-0.22819	-2.08617	0.038449	0.93955
cg26846959	chr6	1.44E+08		0.235842	2.086889	0.038383	0.939306
cg25938042	chr16	87637283		0.295247	2.087801	0.0383	0.938916
cg08347471	chr19	36297670		0.319417	2.087575	0.03832	0.938916
cg04258329	chr7	1.59E+08		0.183936	2.087205	0.038354	0.93923
cg23994443	chr6	32049924		0.193002	2.088663	0.038221	0.938916
cg20643897	chr8	1.43E+08		0.309188	2.090034	0.038096	0.938916
cg17393321	chr12	1.31E+08		-0.21295	-2.08581	0.038482	0.939761
cg18515591	chr11	1.11E+08		0.296142	2.087777	0.038302	0.938916
cg15670924	chr11	73669256		0.428265	2.085895	0.038474	0.939761
cg08506931	chr2	2.23E+08	KCNE4	0.193915	2.08862	0.038225	0.938916
cg24389632	chr10	38146246	SEPT7P9	-0.20107	-2.08932	0.038161	0.938916
cg01413522	chr16	86519105		-0.27224	-2.08762	0.038316	0.938916
cg17221856	chr5	1.8E+08	BTNL8	0.413162	2.098491	0.037333	0.938449
cg07447845	chr17	81032781		-0.3841	-2.08751	0.038326	0.938916
cg09302671	chr2	16847218		0.203522	2.08549	0.038512	0.939865
cg22510074	chr7	71803123	ENSG00000233369	0.254662	2.084787	0.038576	0.940085
cg07867052	chr10	1.05E+08		-0.17356	-2.09026	0.038076	0.938916
cg11414742	chr1	1288586		-0.18577	-2.08727	0.038348	0.939146
cg07721458	chr19	55685292		-0.29424	-2.08461	0.038593	0.940085
cg16880783	chr19	13227289		-0.15283	-2.08782	0.038298	0.938916
cg04663564	chr7	1.34E+08	AKR1B10	-0.30039	-2.09033	0.038069	0.938916
cg04956701	chr11	1.32E+08		-0.39046	-2.08527	0.038532	0.939865

cg16782236	chr4	1321463		0.278532	2.084796	0.038575	0.940085
cg11785471	chr12	53574366		-0.23217	-2.08521	0.038537	0.939865
cg12325349	chr2	73143076	ALMS1-IT1	-0.1627	-2.09177	0.037938	0.938916
cg09524334	chr6	15496979		-0.33159	-2.08866	0.038221	0.938916
cg16721202	chr7	21467390		-0.33151	-2.08573	0.038489	0.939781
cg18809122	chr2	1.92E+08		0.177577	2.09125	0.037985	0.938916
cg10133953	chr8	20031081		-0.22112	-2.08678	0.038393	0.939306
cg12863565	chr8	25902558		-0.28001	-2.08758	0.03832	0.938916
cg20426768	chr1	1296671		-0.25953	-2.08685	0.038387	0.939306
cg18782991	chr5	1.4E+08	ARAP3	0.214881	2.086282	0.038439	0.939538
cg16696536	chr3	59035729		0.247085	2.088302	0.038254	0.938916
cg24225196	chr20	18118434		-0.16657	-2.08367	0.038679	0.940085
cg13396201	chr5	1.71E+08		0.229407	2.087754	0.038304	0.938916
cg17822978	chr15	72073485		0.243939	2.087655	0.038313	0.938916
cg01859321	chr8	1.45E+08	FAM83H;MROH6;FAM83H-AS1	-0.67771	-2.08381	0.038666	0.940085
cg14531093	chr14	1.03E+08		1.20272	2.084696	0.038585	0.940085
cg00368604	chr10	1.31E+08		-0.24377	-2.0881	0.038272	0.938916
cg03195164	chr3	1.29E+08		-0.2927	-2.08475	0.03858	0.940085
cg03610228	chr10	21799395		0.334433	2.085337	0.038526	0.939865
cg08173515	chr19	21657529	ENSG00000268119;ZNF429;ENSG00000268081;ZNF493;ENSG00000268416;ZNF208;ZNF626	0.478385	2.083596	0.038686	0.940085

cg04400653	chr6	7986462		0.282881	2.087687	0.03831	0.938916
cg11671598	chr4	1.12E+08		0.222333	2.086093	0.038456	0.939644
cg08404557	chr7	1.29E+08	CEP41;SMO;UBE2H;NRF1;SMKR1;KLHDC10;IRF5;FLNC;TPI1P2	0.440883	2.088809	0.038208	0.938916
cg11573390	chr10	1.33E+08		0.306997	2.090117	0.038088	0.938916
cg17826763	chr4	4405058		0.278787	2.08425	0.038626	0.940085
cg13221588	chr1	1.18E+08		0.256639	2.086051	0.03846	0.939676
cg00719211	chr6	28984453		0.24057	2.086239	0.038443	0.939538
cg03513464	chr1	58898672	OMA1	0.383321	2.085864	0.038477	0.939761
cg24220766	chr17	40976513		-0.15262	-2.08774	0.038305	0.938916
cg02193355	chr10	851439		-0.21292	-2.08675	0.038396	0.939306
cg01001533	chr10	44184868		0.181639	2.089168	0.038175	0.938916
cg26898605	chr15	93277307		0.259722	2.08367	0.038679	0.940085
cg01360333	chr15	65826759	IGDCC4;PIF1	0.364238	2.088744	0.038214	0.938916
cg00326559	chr7	4822006		-0.18973	-2.08896	0.038194	0.938916
cg08386832	chr5	1.72E+08		0.220217	2.091395	0.037972	0.938916
cg27305735	chr1	2.48E+08		0.388288	2.08463	0.038591	0.940085
cg02444810	chr17	27055702		-0.16417	-2.08676	0.038395	0.939306
cg07561552	chr3	45884065	CCR1	0.323207	2.085308	0.038528	0.939865
cg26734950	chr15	86313046		0.239718	2.086869	0.038385	0.939306
cg18224077	chr11	1.22E+08		0.257046	2.085449	0.038515	0.939865
cg03426194	chr16	27500918		0.26702	2.086357	0.038432	0.939538
cg14260630	chr1	1.55E+08		0.24167	2.085218	0.038537	0.939865

cg08806779	chr16	86965605	FOXF1;FENDRR	0.491957	2.086387	0.038429	0.939538
cg23871527	chr20	2854169	DDRGK1	0.166409	2.083988	0.03865	0.940085
cg04538473	chr16	981395		-0.28723	-2.08548	0.038512	0.939865
cg25546588	chr4	1.43E+08		-0.20673	-2.08569	0.038493	0.939781
cg26020365	chr19	44932260		-0.24141	-2.08396	0.038652	0.940085
cg16009381	chr5	1.73E+08		-0.2262	-2.08394	0.038655	0.940085
cg10426814	chr10	7255535		0.320182	2.082823	0.038757	0.940655
cg22664986	chr11	82905101		-0.14582	-2.08568	0.038494	0.939781
cg17493765	chr3	15374172		0.117766	2.088267	0.038257	0.938916
cg06597940	chr5	79279520		-0.34535	-2.08619	0.038447	0.93955
cg14139375	chr10	53071348		0.240076	2.086031	0.038462	0.939676
cg20116574	chr20	44718168		0.219981	2.087748	0.038305	0.938916
cg06951450	chr11	1.26E+08	PKNOX2	-0.16813	-2.08561	0.038501	0.939865
cg13041531	chr13	26796092		-0.13501	-2.0891	0.038181	0.938916
cg18057128	chr17	78326557		-0.28115	-2.08411	0.038638	0.940085
cg05570806	chr8	2060933		0.338576	2.084378	0.038614	0.940085
cg01046104	chr19	58095588	PEG3;ZIK1;ZNF671;ZNF772;ZNF549;ZNF134;ZNF154	0.284254	2.08463	0.038591	0.940085
cg22698028	chr5	400494		-0.20944	-2.08454	0.038599	0.940085
cg06846010	chr16	56651367		0.509774	2.083514	0.038693	0.940085
cg01755551	chr9	99615764		-0.28626	-2.08716	0.038358	0.93923
cg09572175	chr19	49122302		-0.13753	-2.08427	0.038624	0.940085
cg06031301	chr16	81818852		-0.25196	-2.08401	0.038648	0.940085
cg11557546	chr15	26047653		-0.24929	-2.08835	0.038249	0.938916

cg10122479	chr6	1.26E+08		0.346541	2.085801	0.038483	0.939761
cg12082015	chr2	1.48E+08		-0.34501	-2.08829	0.038255	0.938916
cg21801127	chr12	65672174		0.337977	2.088668	0.03822	0.938916
cg27382861	chr17	26926115		0.142351	2.084381	0.038613	0.940085
cg12868067	chr12	1.29E+08		0.259951	2.083561	0.038689	0.940085
cg04244056	chr16	28835698	SNX29P2	0.16899	2.085424	0.038518	0.939865
cg03711129	chr2	71124762		0.233078	2.083675	0.038679	0.940085
cg04153092	chr2	54342806		0.156959	2.088692	0.038218	0.938916
cg06969979	chr1	3557200	TP73-AS1	-0.22676	-2.08517	0.038541	0.939896
cg10665960	chr2	1.49E+08		-0.17209	-2.08637	0.038431	0.939538
cg12659606	chr6	33215807		0.247378	2.08489	0.038567	0.940085
cg19690984	chr6	29521631	GABBR1	0.444547	2.083445	0.0387	0.940085
cg27445106	chr1	38019966		-0.17295	-2.08586	0.038478	0.939761
cg06938063	chr1	2.08E+08		-0.19085	-2.08298	0.038743	0.940473
cg12030370	chr8	80699577		0.263951	2.087116	0.038362	0.939233
cg11100450	chr6	513211		0.325711	2.085225	0.038536	0.939865
cg15679095	chr6	42789053	POLR1C;GLTSCR1L	0.379916	2.084564	0.038597	0.940085
cg23342455	chr12	54575517		-0.20367	-2.08305	0.038736	0.940467
cg05997131	chr22	39077908		0.178843	2.082926	0.038748	0.94052
cg27570951	chr17	79801578		0.228444	2.084997	0.038557	0.940085
cg00608299	chr7	1.56E+08		0.25773	2.08867	0.03822	0.938916
cg08887138	chr8	29661687		0.289527	2.083438	0.0387	0.940085
cg18352306	chr12	51664642		0.1921	2.08433	0.038618	0.940085
cg14254396	chr19	5294252		-0.20561	-2.08414	0.038635	0.940085

cg08436419	chr2	2.34E+08	EFHD1	0.35457	2.082607	0.038777	0.940725
cg21970438	chr6	1.68E+08	SFT2D1	-0.23105	-2.08344	0.038701	0.940085
cg09845941	chr1	18621725		0.288912	2.084712	0.038583	0.940085
cg17443359	chr1	91300231		0.240004	2.084157	0.038634	0.940085
cg26818735	chr7	19156621		0.389814	2.082907	0.038749	0.94052
cg27018380	chr14	93389876		-0.21607	-2.08768	0.038311	0.938916
cg12918009	chr4	1.09E+08		-0.18502	-2.08522	0.038537	0.939865
cg22180201	chr6	71666858		-0.21813	-2.08643	0.038425	0.939538
cg14009473	chr6	15502099		0.290057	2.083636	0.038682	0.940085
cg04419740	chr6	30181529		-0.27662	-2.08545	0.038515	0.939865
cg04132809	chr7	1.59E+08		-0.24227	-2.09319	0.037809	0.938719
cg08796640	chr8	1.19E+08		-0.14148	-2.08499	0.038557	0.940085
cg08365112	chr11	1492630		-0.2316	-2.08902	0.038188	0.938916
cg22248917	chr13	30056454		-0.27674	-2.08332	0.038711	0.940233
cg20095124	chr10	1.03E+08		-0.16992	-2.08498	0.038558	0.940085
cg22377741	chr15	74011071		0.201977	2.082503	0.038787	0.940725
cg16767506	chr7	1.42E+08	MGAM	0.191764	2.083151	0.038727	0.940402
cg10244706	chr4	3874057		0.197214	2.085837	0.03848	0.939761
cg01839464	chr18	49868477		0.348124	2.086881	0.038384	0.939306
cg12145349	chr11	63712934	RARRES3	0.185052	2.087119	0.038362	0.939233
cg20210263	chr7	42952391		-0.31572	-2.08301	0.03874	0.940473
cg09976724	chr15	41186526		0.183857	2.083873	0.03866	0.940085
cg08461352	chr8	58910391		-0.26972	-2.08457	0.038596	0.940085
cg13687996	chr2	5813483		0.262937	2.082629	0.038775	0.940725
cg05380793	chr13	73301995		-0.37899	-2.08391	0.038657	0.940085

cg13443122	chr2	70142154		-0.18185	-2.08427	0.038624	0.940085
cg23201513	chr6	28754198		0.246188	2.083648	0.038681	0.940085
cg04463719	chr7	1.59E+08		-0.29419	-2.08257	0.038781	0.940725
cg24249695	chr6	37896180	RNF8;PI16	0.294704	2.084417	0.03861	0.940085
cg04491089	chr16	84151300		0.291316	2.084649	0.038589	0.940085
cg19241279	chr2	1.76E+08		0.287463	2.084258	0.038625	0.940085
cg22209573	chr17	79652244	NPLOC4;SECTM1;SIRT7;RFNG	-0.41235	-2.08373	0.038673	0.940085
cg10328157	chr14	21769240		0.304813	2.081161	0.038911	0.940725
cg07160746	chr20	43726765		0.385372	2.081946	0.038838	0.940725
cg14879569	chr12	1.06E+08		-0.22096	-2.08234	0.038802	0.940725
cg02895126	chr6	1.59E+08		0.262957	2.086601	0.03841	0.939527
cg03377396	chr3	1.14E+08		-0.31989	-2.08391	0.038657	0.940085
cg12211867	chr1	1.08E+08	ENSG00000232551	0.349264	2.084506	0.038602	0.940085
cg00474943	chr17	78877076		0.242528	2.085474	0.038513	0.939865
cg23400904	chr2	70418872		0.305307	2.082333	0.038803	0.940725
cg09553358	chr11	790184	TMEM80	-0.22389	-2.08175	0.038856	0.940725
cg01515074	chr12	57585135	ENSG00000257499	0.280222	2.084933	0.038563	0.940085
cg12700439	chr15	70342365		-0.23924	-2.08323	0.03872	0.940338
cg19711007	chr1	57044824		0.139466	2.088153	0.038267	0.938916
cg14981232	chr3	1.29E+08		-0.17116	-2.08368	0.038679	0.940085
cg00445305	chr2	20402197		-0.26011	-2.07956	0.039059	0.940725
cg01534416	chr19	51308546	NKG7	0.346721	2.081057	0.038921	0.940725
cg24789434	chr4	3526865		0.189603	2.082747	0.038764	0.940722
cg22202558	chr7	1.02E+08		0.260369	2.081065	0.03892	0.940725

cg12445268	chr6	31707680		0.181126	2.080775	0.038947	0.940725
cg00500989	chr1	1.56E+08		0.246558	2.086285	0.038439	0.939538
cg21457106	chr4	1.26E+08		0.27251	2.082091	0.038825	0.940725
cg13787782	chr2	2.39E+08		-0.20025	-2.08319	0.038724	0.940378
cg27178567	chr6	33874232		0.29386	2.080982	0.038928	0.940725
cg08074621	chr16	67427606		-0.24485	-2.08361	0.038684	0.940085
cg16563180	chr7	1570208		0.191058	2.082547	0.038783	0.940725
cg01910741	chr6	36843333		0.233425	2.082991	0.038742	0.940473
cg06543453	chr10	25756817		-0.25027	-2.08372	0.038674	0.940085
cg13368923	chr6	1379065		0.292962	2.08521	0.038537	0.939865
cg12240824	chr18	32870176		0.210668	2.083879	0.03866	0.940085
cg03719155	chr19	11689880	ACP5;DOCK6;KANK2;ZNF44	0.415073	2.081309	0.038897	0.940725
cg02591356	chr2	20442088		0.382968	2.081323	0.038896	0.940725
cg16998950	chr5	95252658	FAM81B;ENSG00000225165;GLRX	0.544587	2.084231	0.038627	0.940085
cg00502190	chr1	1.57E+08		0.271666	2.083954	0.038653	0.940085
cg19369438	chr19	33623230		0.283408	2.089277	0.038165	0.938916
cg01350993	chr3	19850542		-0.31226	-2.08573	0.03849	0.939781
cg06696911	chr12	1.33E+08		-0.25352	-2.08086	0.038939	0.940725
cg22463080	chr1	1.52E+08	RNY4P25	0.262844	2.082031	0.03883	0.940725
cg09920268	chr11	44105489		0.250167	2.083098	0.038732	0.940456
cg00133811	chr2	1.5E+08		0.306802	2.082288	0.038807	0.940725
cg17170568	chr7	1.56E+08		0.188751	2.081688	0.038862	0.940725
cg01616682	chr11	15095017		0.281717	2.086363	0.038431	0.939538

cg20066496	chr15	43213993		0.336571	2.083909	0.038657	0.940085
cg19560656	chr19	14444267		0.371535	2.08161	0.038869	0.940725
cg10381071	chr15	70391035		-0.26317	-2.08705	0.038368	0.939275
cg00708380	chr11	75378502		0.220152	2.083475	0.038697	0.940085
cg26432195	chr1	2.28E+08		0.225343	2.080658	0.038958	0.940725
cg07058639	chr14	24711602		-0.19198	-2.08111	0.038916	0.940725
cg06899186	chr7	1.48E+08		0.19861	2.083414	0.038703	0.940085
cg16061498	chr18	55095886		0.29402	2.08358	0.038687	0.940085
cg24144440	chr1	1.2E+08		0.251236	2.079924	0.039026	0.940725
cg02711801	chr19	37997798		0.203835	2.081127	0.038914	0.940725
cg00672333	chr17	36728456	DDX52;FBXL20;SOCS7	-0.45782	-2.07989	0.039029	0.940725
cg01967511	chr4	659281		-0.21255	-2.0821	0.038824	0.940725
cg19873420	chr14	91691179		0.201686	2.081251	0.038903	0.940725
cg22076160	chr1	2.36E+08	GPR137B	-0.35278	-2.08017	0.039003	0.940725
cg15440661	chr2	43395871	HAAO;PLEKHH2;ENSG00000230587;DYNC2LI1;ENSG00000231826	-0.26104	-2.08504	0.038553	0.940085
cg16871763	chr8	11537909		-0.205	-2.08138	0.03889	0.940725
cg13578647	chr7	1.39E+08		-0.18839	-2.0852	0.038538	0.939865
cg13881327	chr3	12883055		0.246212	2.082255	0.03881	0.940725
cg04840203	chr5	1.56E+08	CLINT1	-0.25008	-2.08137	0.038892	0.940725
cg06997184	chr8	93661575		-0.31472	-2.08214	0.03882	0.940725
cg14474756	chr9	77567495		0.160153	2.081916	0.038841	0.940725

cg20756600	chr21	46435806		-0.22909	-2.08205	0.038829	0.940725
cg10066151	chr19	57874988		0.212495	2.087049	0.038369	0.939275
cg16281248	chr11	64014554		-0.20254	-2.08251	0.038786	0.940725
cg07070182	chr4	868311		-0.22151	-2.08204	0.03883	0.940725
cg03177631	chr11	18415927		-0.21546	-2.08184	0.038848	0.940725
cg00989315	chr7	21982818		-0.33476	-2.08065	0.038959	0.940725
cg06295495	chr10	1.3E+08		-0.32915	-2.08184	0.038848	0.940725
cg26106948	chr3	27766284		0.283826	2.082746	0.038764	0.940722
cg12989041	chr6	1.59E+08	SYTL3;RSPH3;C6orf99;DYNLT1;EZR;ENSG00000236537;ZDHHC14;FNDC1	0.330006	2.089319	0.038161	0.938916
cg26596350	chr16	27931936	IL21R	-0.30097	-2.07985	0.039033	0.940725
cg09456289	chr2	43038399	HAAO	0.304744	2.081815	0.03885	0.940725
ch.2.148072779R	chr2	1.48E+08		-0.35426	-2.08447	0.038605	0.940085
cg00406211	chr10	1.21E+08	GRK5;BAG3	-0.45556	-2.07902	0.03911	0.940725
cg10270430	chr6	34024362	HLA-DPB1;HLA-DPA1	-0.29986	-2.08064	0.038959	0.940725
cg06091119	chr10	71993466		-0.15839	-2.08464	0.03859	0.940085
cg00320980	chr10	1.35E+08		-0.20196	-2.08177	0.038855	0.940725
cg02234281	chr10	25790938		0.272301	2.078934	0.039118	0.940725
cg07348641	chr13	25746495		0.303124	2.081017	0.038924	0.940725
cg08934427	chr3	38347441		0.233221	2.082537	0.038784	0.940725
cg14088161	chr7	1E+08	PILRA;AZGP1;AP1S1;AGFG2;COPS6	-0.24665	-2.08127	0.038901	0.940725

cg01587662	chr19	29583604		-0.32235	-2.08026	0.038994	0.940725
cg05781049	chr10	44374390		0.321484	2.080301	0.038991	0.940725
cg13891659	chr6	1.7E+08		-0.20111	-2.08188	0.038845	0.940725
cg00320539	chr2	1983439		-0.22038	-2.082	0.038834	0.940725
cg10196720	chr4	1.34E+08		0.250924	2.080627	0.038961	0.940725
cg08162850	chr19	48352604		0.284408	2.085673	0.038495	0.939781
cg04202853	chr17	61777461		0.121895	2.080792	0.038945	0.940725
cg17350689	chr2	10372376		-0.23126	-2.08084	0.03894	0.940725
cg02888046	chr15	74709717	FAM219B	-0.2514	-2.08457	0.038596	0.940085
cg07682645	chr19	7197248		0.192544	2.080024	0.039017	0.940725
cg05241194	chr2	86850043		-0.22649	-2.08392	0.038656	0.940085
cg26938695	chr7	1.13E+08		-0.29499	-2.0792	0.039093	0.940725
cg18128536	chr17	47092178	ENSG00000262973	0.437742	2.079275	0.039086	0.940725
cg24883899	chr19	1461210		-0.23951	-2.07922	0.039092	0.940725
cg16773127	chr15	35280714		-0.17043	-2.08349	0.038696	0.940085
cg00712779	chr2	2.02E+08		0.295858	2.079818	0.039036	0.940725
cg14783987	chr12	6421437	IFFO1;CLSTN3;SCNN1A;LEPREL2;VWF;C1R;ANO2;C1S;C1RL;PLEKHG6;CD9;NTF3;ENSG00000257084;SPSB2;RBP5	-0.32839	-2.08104	0.038922	0.940725
cg08182565	chr11	66607594		-0.18096	-2.08071	0.038953	0.940725
cg16435561	chr2	1.02E+08		-0.55075	-2.07836	0.039172	0.940725

cg07345999	chr11	16632636		0.300229	2.080211	0.038999	0.940725
cg08233467	chr1	1.84E+08		-0.20713	-2.08122	0.038906	0.940725
cg11686819	chr5	2137080		-0.25433	-2.07986	0.039032	0.940725
cg10941484	chr2	70529325		0.247281	2.080089	0.039011	0.940725
cg10921802	chr3	1.9E+08		0.318548	2.081162	0.038911	0.940725
cg15075988	chr10	76974078		-0.26033	-2.08308	0.038734	0.940456
cg16392585	chr20	23402293		-0.28693	-2.07839	0.039169	0.940725
cg25447806	chr3	1.57E+08	LEKR1	0.26001	2.080904	0.038935	0.940725
cg13573582	chr1	44887933		-0.23465	-2.08219	0.038815	0.940725
cg17592565	chr1	22355055		0.247699	2.081741	0.038857	0.940725
cg18426477	chr17	48764504		-0.18419	-2.08186	0.038847	0.940725
cg12224030	chr17	48047608	ABI3;COL1A1;MRPL27;NXPH3;FAM117A;ENSG00000248954;EPN3;PPP1R9B;LRRC59	0.260382	2.083888	0.038659	0.940085
cg08795557	chr7	70921332		-0.42172	-2.07974	0.039043	0.940725
cg03292069	chr3	1.26E+08	KLF15;TXNRD3	-0.15466	-2.07895	0.039116	0.940725
cg09064491	chr16	82045758		0.318738	2.083411	0.038703	0.940085
cg02735250	chr6	1.26E+08		-0.26821	-2.07825	0.039182	0.940725
cg21938894	chr11	66060589		-0.30395	-2.08094	0.038931	0.940725
cg10916429	chr15	64799784		0.364786	2.079793	0.039038	0.940725
cg01629545	chr5	1231351		-0.26364	-2.07882	0.039129	0.940725
cg01637537	chr22	40417285	FAM83F	-0.24831	-2.08231	0.038804	0.940725

cg21571160	chr1	2.07E+08	DYRK3;CR1L;SRGAP2;PIGR	0.40334	2.079825	0.039035	0.940725
cg12714538	chr1	1.51E+08		0.156982	2.078925	0.039119	0.940725
cg12077194	chr10	69993117		0.345241	2.077109	0.039288	0.940725
cg01640711	chr14	73448582		-0.24525	-2.07992	0.039026	0.940725
cg03592903	chr5	33737936	TARS	-0.3558	-2.08112	0.038915	0.940725
cg24489813	chr12	53574330		-0.14644	-2.07892	0.03912	0.940725
cg17061505	chr11	1594896	C11orf89	-0.31955	-2.0835	0.038695	0.940085
cg09950916	chr6	1.01E+08		-0.25003	-2.07837	0.03917	0.940725
cg05369347	chr13	1.12E+08		-0.30594	-2.08163	0.038867	0.940725
cg02224819	chr3	1.7E+08		-0.25814	-2.07743	0.039258	0.940725
cg13787982	chr19	20348926	ZNF486;ZNF90;ZNF66;ZNF626;ZNF737	0.235284	2.080015	0.039017	0.940725
cg14530476	chr8	1.18E+08		0.166774	2.079804	0.039037	0.940725
cg25851597	chr15	89248474		0.224671	2.077453	0.039256	0.940725
cg13316061	chr18	47798969		-0.18318	-2.08405	0.038644	0.940085
cg13797205	chr3	1.87E+08		-0.21856	-2.08098	0.038928	0.940725
cg18794475	chr8	55533829		0.374888	2.079091	0.039103	0.940725
cg04968132	chr16	27560915		0.184899	2.080245	0.038996	0.940725
cg12969407	chr6	1.26E+08		-0.32526	-2.08524	0.038534	0.939865
cg21083709	chr3	1.29E+08		-0.13834	-2.08	0.039019	0.940725
cg08522065	chr12	46384600		-0.1716	-2.07982	0.039035	0.940725
cg20634940	chr10	465975		0.291529	2.076972	0.039301	0.940725
cg22061479	chr8	87484795		-0.25201	-2.07846	0.039162	0.940725
cg24228040	chr22	50496857		0.19913	2.079439	0.039071	0.940725

cg22611504	chr10	52750754		0.35046	2.08071	0.038953	0.940725
cg12734526	chr7	1986533		0.217576	2.080674	0.038956	0.940725
cg25446840	chr7	12607228		-0.25471	-2.07876	0.039134	0.940725
cg21490597	chr4	1.14E+08		-0.27203	-2.07993	0.039025	0.940725
cg14501548	chr5	1.16E+08		-0.28622	-2.07977	0.039041	0.940725
cg07068761	chr14	77505182		0.342546	2.078543	0.039154	0.940725
cg10688508	chr2	52799970		0.301985	2.078963	0.039115	0.940725
cg01840115	chr13	88788898		-0.24737	-2.07677	0.039319	0.940725
cg24573724	chr5	5303488		0.206183	2.079616	0.039054	0.940725
cg15716210	chr10	1.33E+08		0.275979	2.08326	0.038717	0.940318
cg22502502	chr6	25962567	HIST1H2AB;HIST1H3A;HIST1H2BG;HIST1H3C;HIST1H3G;HIST1H4A;HIST1H2BB;HIST1H4H;HIST1H3B;HIST1H2AE;HIST1H3D	-0.28924	-2.07939	0.039076	0.940725
cg18557891	chr20	60119099		-0.18154	-2.08036	0.038985	0.940725
cg14792480	chr16	66954257	TSNAXIP1	0.1964	2.07993	0.039025	0.940725
cg05340240	chr16	88109993		-0.28123	-2.07798	0.039207	0.940725
cg02285920	chr19	17958956	JAK3;FCHO1;BST2;IL12RB1;COLGALT1;ENSG00000269640;MYO9B;ISYNA1	0.35559	2.080706	0.038953	0.940725
cg07954941	chr9	1.32E+08		-0.21467	-2.07847	0.039161	0.940725

ch.2.2685596F	chr2	1.29E+08		-0.40511	-2.07771	0.039232	0.940725
cg06812722	chr8	1.33E+08		-0.23678	-2.0792	0.039093	0.940725
cg12483357	chr19	10958336		-0.30981	-2.07639	0.039356	0.940725
cg09174421	chr5	1.77E+08		0.130507	2.078822	0.039128	0.940725
cg02676175	chr17	7253720		0.477767	2.076858	0.039312	0.940725
cg26877357	chr1	1.16E+08	DENND2C;AMPD1;VANGL1;CASQ2;CD58	-0.29654	-2.07942	0.039073	0.940725
cg01684805	chr3	39508348		0.253456	2.081543	0.038876	0.940725
cg24483493	chr15	63333476	DAPK2	0.372812	2.078917	0.03912	0.940725
cg15572496	chr11	2189856		-0.15125	-2.08037	0.038984	0.940725
cg04727865	chr12	54331892		0.273888	2.076671	0.039329	0.940725
cg10749822	chr11	44332913	TSPAN18;ALX4	0.150284	2.086355	0.038432	0.939538
cg10115203	chr1	7121245		0.333963	2.079878	0.03903	0.940725
ch.12.1596805R	chr12	79189766		0.336003	2.077595	0.039243	0.940725
cg05740045	chr8	65499926		0.365011	2.080771	0.038947	0.940725
cg01225698	chr11	27742355		0.401652	2.077601	0.039242	0.940725
cg23047681	chr6	1.05E+08		-0.2473	-2.077	0.039298	0.940725
cg03635649	chr5	41510801		0.147829	2.08016	0.039004	0.940725
cg19721680	chr1	2.45E+08		-0.17096	-2.07882	0.039129	0.940725
cg04118519	chr16	1575267		-0.20013	-2.07889	0.039122	0.940725
cg16430862	chr1	17493806		0.289731	2.079174	0.039096	0.940725
cg25289973	chr4	41362397		-0.22027	-2.07985	0.039033	0.940725
cg15526939	chr5	82805379		0.37227	2.07625	0.039369	0.940725
cg17021798	chr7	226444	CYP2W1	-0.3485	-2.0763	0.039364	0.940725

cg23491236	chr17	262232		0.251601	2.078545	0.039154	0.940725
cg18873593	chr6	1.11E+08		-0.16524	-2.08103	0.038923	0.940725
cg09252495	chr20	21503898	PAX1	0.330504	2.07819	0.039187	0.940725
cg05896563	chr6	7390048		0.159138	2.077958	0.039209	0.940725
cg16209303	chr14	1.03E+08		0.197466	2.079917	0.039026	0.940725
cg15769921	chr17	38573932		-0.15162	-2.07775	0.039228	0.940725
cg15958289	chr11	1.26E+08		-0.38269	-2.07911	0.039101	0.940725
cg19733463	chr2	2.32E+08	ENSG00000235419	-0.25272	-2.08038	0.038983	0.940725
cg12393589	chr7	45027643		0.242359	2.079707	0.039046	0.940725
cg08830225	chr13	34116653		-0.13123	-2.07864	0.039146	0.940725
cg05667311	chr10	98797490		0.290999	2.07669	0.039327	0.940725
cg22008772	chr2	80087301		-0.27633	-2.07856	0.039153	0.940725
cg17874053	chr1	2.36E+08	B3GALNT2	0.35785	2.079592	0.039057	0.940725
cg27512868	chr22	49766935	MAPK12;MAPK11	0.466136	2.082444	0.038792	0.940725
cg15083678	chr12	2724200		-0.22734	-2.07687	0.039311	0.940725
cg24109415	chr12	67462522		-0.16524	-2.08036	0.038986	0.940725
cg21869913	chr1	12289560		-0.21818	-2.07556	0.039433	0.940725
cg11168293	chr22	49067022		-0.36567	-2.07669	0.039327	0.940725
cg23372684	chr5	1.78E+08		-0.29772	-2.07642	0.039353	0.940725
cg07716624	chr16	787123	HAGHL	0.214278	2.081785	0.038853	0.940725
cg24034568	chr3	1.84E+08		-0.20352	-2.07619	0.039374	0.940725
cg11469061	chr11	31826421		0.162365	2.077818	0.039222	0.940725
cg19561274	chr2	96905601		-0.21991	-2.07822	0.039185	0.940725
cg14427243	chr2	88428522	ENSG00000234028	-0.30416	-2.08018	0.039003	0.940725
cg17741080	chr1	2.3E+08		0.184521	2.080068	0.039013	0.940725

cg27585287	chr22	37963407	TRIOBP;NCF4	-0.25661	-2.08242	0.038794	0.940725
cg01382072	chr16	86787277		-0.26638	-2.07916	0.039097	0.940725
cg07803284	chr3	1.86E+08		0.296505	2.079794	0.039038	0.940725
cg14551279	chr8	42294139		-0.20566	-2.07964	0.039053	0.940725
cg18693141	chr12	1.25E+08	CCDC92;BRI3BP	0.448755	2.078466	0.039162	0.940725
cg10181281	chr2	2.15E+08		0.474445	2.077277	0.039273	0.940725
cg02016771	chr4	89069031		0.390209	2.077025	0.039296	0.940725
cg02318784	chr15	27213174		0.384777	2.076756	0.039321	0.940725
cg08719486	chr9	90112101		0.270769	2.077108	0.039288	0.940725
cg13122448	chr4	82433382	ENOPH1	-0.32707	-2.07962	0.039054	0.940725
cg00285314	chr16	68119255		-0.23265	-2.07792	0.039212	0.940725
cg18502142	chr7	96622709		0.408146	2.078307	0.039176	0.940725
cg08719869	chr9	8857486		0.397927	2.076559	0.03934	0.940725
cg14824921	chr4	57922113		0.440351	2.077541	0.039248	0.940725
cg14741888	chr10	3240019		-0.21328	-2.07762	0.03924	0.940725
cg01423394	chr10	8076679		0.177761	2.081662	0.038865	0.940725
cg10981717	chr8	95569815		-0.25255	-2.08553	0.038508	0.939865
cg02381279	chr19	16394366	HSH2D	0.440467	2.077343	0.039266	0.940725
cg18526332	chr12	1.1E+08		-0.16905	-2.08099	0.038927	0.940725
cg21796935	chr6	1.7E+08		-0.29202	-2.08164	0.038867	0.940725
cg15555985	chr3	73533854		-0.35679	-2.07711	0.039289	0.940725
cg22101190	chr17	77896096		-0.2137	-2.07969	0.039048	0.940725
cg19615011	chr13	1.13E+08		0.24201	2.075573	0.039432	0.940725
cg06927343	chr1	9635799		0.234457	2.076771	0.03932	0.940725
cg23195012	chr4	1.84E+08		0.135101	2.07832	0.039175	0.940725

cg22549383	chr2	73440252		-0.16274	-2.07736	0.039265	0.940725
cg06749819	chr4	24811770	SOD3;LGI2	0.268285	2.076084	0.039384	0.940725
cg07377662	chr17	81037199		-0.16007	-2.07826	0.039181	0.940725
cg10866062	chr17	72358370		-0.26553	-2.07696	0.039303	0.940725
cg11376706	chr7	1.58E+08	ENSG00000231980	-0.24022	-2.07824	0.039183	0.940725
cg25068253	chr11	13124294		-0.22323	-2.07749	0.039253	0.940725
cg00489539	chr7	50466520	GRB10	0.313976	2.080237	0.038997	0.940725
cg16408784	chr11	1.17E+08		0.259995	2.077414	0.03926	0.940725
cg03213216	chr19	46001735	SNRPD2	0.173046	2.077004	0.039298	0.940725
cg03215657	chr17	65823530		0.328662	2.08026	0.038995	0.940725
cg26957110	chr8	4855451		0.203007	2.078984	0.039113	0.940725
cg03403719	chr20	23335483		-0.18372	-2.07877	0.039133	0.940725
cg23562406	chr2	27319374		0.232196	2.078464	0.039162	0.940725
cg02320356	chr8	1.27E+08	CCAT1;CASC19	-0.29131	-2.07699	0.039299	0.940725
cg01485067	chr17	41440852		0.300575	2.075948	0.039397	0.940725
cg10764762	chr13	78494272		0.285948	2.077762	0.039227	0.940725
cg00381076	chr18	51884797		-0.2359	-2.07916	0.039097	0.940725
cg06174882	chr1	2.05E+08	C1orf186;SLC41A1;RAB7L1;KLHDC8A	-0.27292	-2.07969	0.039048	0.940725
cg25637473	chr15	62537960		0.241855	2.07627	0.039367	0.940725
cg08314208	chr16	67682810		0.259627	2.077548	0.039247	0.940725
cg06929583	chr10	88172435		-0.31568	-2.07643	0.039352	0.940725
cg19574878	chr11	72943745		-0.18864	-2.07666	0.03933	0.940725
cg26794227	chr5	1.69E+08	DOCK2;LCP2;SPDL1;GABRP	-0.30941	-2.07814	0.039192	0.940725

cg11481133	chr2	69611360		-0.24182	-2.08145	0.038884	0.940725
cg12599569	chr2	1.14E+08		0.232741	2.075314	0.039456	0.940725
cg12300498	chr18	43913565		0.26065	2.078035	0.039202	0.940725
cg14031473	chr9	1.34E+08	ASS1	-0.28536	-2.07737	0.039264	0.940725
cg05042110	chr8	79470805	PRKRIRP7;ENSG00000254352	-0.18487	-2.07658	0.039337	0.940725
cg09004581	chr6	74171029		0.380233	2.076701	0.039326	0.940725
cg12138780	chr7	1.58E+08		0.253176	2.078349	0.039172	0.940725
cg00881254	chr18	657522		-0.15627	-2.07746	0.039256	0.940725
cg21287347	chr8	59259110		-0.32976	-2.07541	0.039447	0.940725
cg22639011	chr11	30037875		0.327507	2.077268	0.039273	0.940725
cg19910937	chr4	1.29E+08		-0.29448	-2.07939	0.039075	0.940725
cg17610931	chr22	31476670		0.202145	2.077586	0.039244	0.940725
cg00756648	chr19	46215858		0.193381	2.078114	0.039194	0.940725
cg14260709	chr7	1.58E+08		-0.18258	-2.0778	0.039223	0.940725
cg06833721	chr2	24342860		0.240658	2.076554	0.03934	0.940725
cg16375820	chr5	55289001	GZMA	0.402615	2.078143	0.039192	0.940725
cg18154679	chr3	14441256	CHCHD4	0.160819	2.07693	0.039305	0.940725
cg01584448	chr16	50099761		-0.18506	-2.07463	0.03952	0.940725
cg04891761	chr1	1001973		-0.20111	-2.07684	0.039314	0.940725
cg14254126	chr9	1.37E+08		0.41407	2.076065	0.039386	0.940725
cg17831277	chr7	1.31E+08		-0.25912	-2.0747	0.039513	0.940725
cg03000844	chr2	2.43E+08		-0.17659	-2.07656	0.03934	0.940725
cg23509896	chr20	62680345		0.294541	2.076089	0.039384	0.940725
cg12281657	chr14	65016595		-0.26011	-2.07679	0.039318	0.940725

cg01714087	chr1	2.45E+08		0.223074	2.078356	0.039172	0.940725
cg04319399	chr16	85497962		0.22407	2.076924	0.039306	0.940725
cg12309938	chr13	98968161		0.285597	2.075795	0.039411	0.940725
cg06415742	chr21	45111964		0.293942	2.077637	0.039239	0.940725
cg06165495	chr2	64033792	ENSG00000233694	-0.20426	-2.07467	0.039517	0.940725
cg04276288	chr14	39766390		-0.13616	-2.07618	0.039375	0.940725
cg04709302	chr7	6063328		0.288424	2.073355	0.03964	0.940725
cg02052217	chr7	99970869		0.209718	2.077549	0.039247	0.940725
cg06116397	chr18	32820960		-0.20327	-2.07606	0.039386	0.940725
cg21343191	chr6	28917801	GABBR1;HLA-F-AS1	0.345066	2.075436	0.039445	0.940725
cg01834160	chr16	70713567		0.265919	2.077103	0.039289	0.940725
cg01688688	chr5	1.41E+08		0.240475	2.076944	0.039304	0.940725
cg20674212	chr8	12623766		-0.35503	-2.07419	0.039562	0.940725
cg07901199	chr2	2.42E+08		-0.23464	-2.0783	0.039177	0.940725
cg03230154	chr19	22817176		0.383513	2.075695	0.039421	0.940725
cg18226525	chr14	99849390		-0.15951	-2.07962	0.039055	0.940725
cg03312792	chr20	43849759	GDAP1L1	0.255261	2.074441	0.039538	0.940725
cg24040751	chr14	56661627		-0.29665	-2.07502	0.039484	0.940725
cg17416730	chr6	33245541	TAP1;PSMB8;BAK1;RPL32P1;HLA-DMB;SLC39A7	-0.29089	-2.07464	0.03952	0.940725
cg00614360	chr17	80858406		0.209683	2.074281	0.039553	0.940725
cg08392125	chr2	1.08E+08		-0.18196	-2.07474	0.03951	0.940725
cg03284113	chr19	1235093	HMHA1;MOB3A	-0.35912	-2.07462	0.039522	0.940725

cg16358257	chr10	1.13E+08		-0.21877	-2.07605	0.039387	0.940725
cg09669930	chr6	11233125		0.399542	2.073552	0.039622	0.940725
cg19251737	chr1	9795376		0.18507	2.078875	0.039123	0.940725
cg17460846	chr10	1.01E+08		0.196117	2.077925	0.039212	0.940725
cg08357947	chr3	8000942		-0.33277	-2.07498	0.039488	0.940725
cg16525606	chr2	264695		-0.23542	-2.0758	0.039411	0.940725
cg07902983	chr19	39694477	KCNK6;ZNF546;ZNF780B	-0.33572	-2.07612	0.039381	0.940725
cg26645709	chr15	89987792	ABHD2	-0.31122	-2.07339	0.039637	0.940725
cg09378497	chr16	1525169		0.118999	2.075601	0.039429	0.940725
cg04829485	chr14	1.05E+08		0.233018	2.077783	0.039225	0.940725
cg26018544	chr1	25230915		0.151468	2.075488	0.03944	0.940725
cg14442841	chr6	20127257		-0.33975	-2.07679	0.039318	0.940725
cg07323055	chr20	3140559		-0.21185	-2.07648	0.039347	0.940725
cg13713172	chr9	98824421		-0.37807	-2.07523	0.039464	0.940725
cg13927560	chr4	41937623		-0.20564	-2.07621	0.039373	0.940725
cg11798660	chr2	25504398		0.329916	2.076086	0.039384	0.940725
cg16171526	chr1	1.55E+08		-0.18319	-2.07533	0.039454	0.940725
cg21740204	chr9	72873544		0.288154	2.07488	0.039497	0.940725
cg17349753	chr11	57227351		-0.32948	-2.0773	0.03927	0.940725
cg23397955	chr15	89148733		-0.27087	-2.07382	0.039596	0.940725
cg10911844	chr4	1230262		0.438592	2.074838	0.039501	0.940725
cg10124710	chr1	1.47E+08		0.245941	2.075737	0.039417	0.940725
cg08472781	chr11	1.01E+08		0.296181	2.076484	0.039347	0.940725
cg02503646	chr3	52444059		-0.15584	-2.07408	0.039572	0.940725

cg24146125	chr6	30690376	C6orf25	0.235981	2.07921	0.039092	0.940725
cg03355808	chr10	14302678		-0.35	-2.0736	0.039617	0.940725
cg17292667	chr13	1.11E+08	RAB20;ANKRD10;COL4A1;ARHGEF7;COL4A2;ING1	0.279739	2.080487	0.038974	0.940725
cg23536107	chr4	728111		0.242298	2.075259	0.039461	0.940725
cg06602545	chr16	85120870		0.302956	2.07534	0.039454	0.940725
cg24539060	chr17	76570762		-0.29154	-2.07799	0.039206	0.940725
cg10812439	chr10	80862771		0.292358	2.074102	0.03957	0.940725
cg06038470	chr16	410721		-0.23797	-2.0757	0.03942	0.940725
cg08938906	chr12	1.07E+08		0.228399	2.075831	0.039408	0.940725
cg15086113	chr19	1766358		0.216978	2.074278	0.039554	0.940725
cg26192826	chr11	68598649		0.277195	2.075426	0.039446	0.940725
cg03505866	chr14	70077191		-0.30841	-2.07487	0.039498	0.940725
cg15259947	chr6	1.51E+08		-0.16749	-2.07653	0.039342	0.940725
cg03126579	chr19	3822189	ZBTB7A;GNA11;HMG20B	0.4057	2.075889	0.039402	0.940725
cg19500979	chr11	67287273		0.265306	2.076883	0.039309	0.940725
cg03116182	chr11	33934316	ELF5;ENSG00000271369	-0.25976	-2.0745	0.039533	0.940725
cg24319508	chr6	394966	IRF4	-0.1925	-2.08039	0.038983	0.940725
cg04831728	chr16	1437752		0.24753	2.07352	0.039625	0.940725
cg24055556	chr18	9913434		-0.24573	-2.07617	0.039376	0.940725
cg00585714	chr8	97156859	CPQ	0.239681	2.074858	0.039499	0.940725

cg10162971	chr2	10093493	ADAM17;ASAP2;RRM2;ATP6V1C2;MBOAT2	0.45977	2.078139	0.039192	0.940725
cg13577389	chr8	1.44E+08		-0.27991	-2.07228	0.039742	0.941008
cg16507354	chr20	3869575		-0.185	-2.07511	0.039475	0.940725
cg12453748	chr11	64085041		-0.19149	-2.07678	0.039319	0.940725
cg02696169	chr2	23886193		0.240172	2.073116	0.039663	0.940803
cg15270813	chr20	33814170		-0.32733	-2.07375	0.039603	0.940725
cg25947489	chr8	95246814	ENSG00000253773;ENSG00000253704;LINC00535	0.269182	2.073604	0.039617	0.940725
cg11841335	chr1	2.04E+08		0.255278	2.072531	0.039718	0.941008
cg18980733	chr5	1.38E+08		0.177338	2.076721	0.039325	0.940725
cg11794735	chr17	146404		0.393305	2.073848	0.039594	0.940725
cg26978368	chr16	1016357		0.220373	2.074332	0.039549	0.940725
cg10521014	chr16	83950036		0.312624	2.074806	0.039504	0.940725
cg19004775	chr13	1.06E+08		0.434028	2.074481	0.039535	0.940725
cg26401492	chr3	53003348		0.313365	2.07449	0.039534	0.940725
cg26509569	chr16	15826509		-0.21588	-2.07358	0.039619	0.940725
cg06840930	chr17	38642659	TMEM99;STARD3	-0.27528	-2.07639	0.039356	0.940725
cg16294620	chr20	13280181		0.32185	2.075536	0.039436	0.940725
cg26298038	chr22	17565904	CECR2;CECR7	-0.24411	-2.07238	0.039732	0.941008
cg01941219	chr13	98795021		-0.19098	-2.07533	0.039455	0.940725
cg19261526	chr7	1.57E+08		-0.19555	-2.07948	0.039067	0.940725
cg10536955	chr2	55197220		0.274102	2.074126	0.039568	0.940725

cg10791422	chr11	68748528		-0.28926	-2.07682	0.039315	0.940725
cg03356595	chr16	51187807		0.317525	2.072772	0.039695	0.941008
cg08932440	chr10	1.26E+08	OAT	0.581424	2.073288	0.039647	0.940742
cg17041438	chr5	80601538		-0.31416	-2.07352	0.039625	0.940725
cg15267545	chr11	60929004		-0.12754	-2.07715	0.039284	0.940725
cg19600871	chr5	1.4E+08		0.339347	2.075532	0.039436	0.940725
cg00237489	chr6	1.67E+08		0.511432	2.07355	0.039622	0.940725
cg26072561	chr8	1.07E+08	ZFPM2;ENSG00000254141	0.209702	2.07706	0.039293	0.940725
cg20813374	chr6	35657180	ETV7	-0.26923	-2.07451	0.039532	0.940725
cg05540221	chr15	99213144		-0.19681	-2.07406	0.039574	0.940725
cg05692123	chr5	1.23E+08		0.385444	2.073049	0.039669	0.940836
cg04659536	chr7	4218154		0.221212	2.075012	0.039485	0.940725
cg20947476	chr17	26554610		-0.16574	-2.07674	0.039323	0.940725
cg00170973	chr17	58755074		-0.2897	-2.07504	0.039482	0.940725
cg16323359	chr6	41913381		-0.2113	-2.07525	0.039463	0.940725
cg08792416	chr6	80404639	HMGN3;LCA5;IRAK1BP1;PHIP;HMGN3-AS1	0.464126	2.075807	0.03941	0.940725
cg23172480	chr6	1.18E+08		0.271391	2.074478	0.039535	0.940725
cg18838148	chr12	50629483		-0.28436	-2.07425	0.039556	0.940725
cg03312920	chr7	1106033		0.159019	2.074405	0.039542	0.940725

			SYNPO;HMGXB3;NDST1;PDGFRB;ENSG00000253864;MIR143HG;PCYOX1L;MIR145				
cg14855378	chr5	1.5E+08		-0.16783	-2.0743	0.039551	0.940725
cg13614181	chr13	42031103		0.224871	2.076123	0.03938	0.940725
cg15027294	chr12	1609537		-0.47802	-2.07298	0.039675	0.940872
cg10551759	chr7	1.21E+08		-0.17158	-2.07418	0.039562	0.940725
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cg08364730	chr16	3906833		0.275743	2.076931	0.039305	0.940725
cg06574716	chr19	44331239	ZNF404;PLAUR	0.26689	2.074741	0.03951	0.940725
cg19398496	chr6	26323437	HIST1H3A;HMGN4	0.312353	2.073392	0.039637	0.940725
cg13466481	chr22	17849848		0.223631	2.073309	0.039645	0.940742
cg22689904	chr15	66365153	IGDCC4	-0.26498	-2.0737	0.039608	0.940725
cg26218726	chr12	1.22E+08		0.153224	2.07209	0.03976	0.941008
cg05169666	chr11	1.19E+08	RPL5P30	0.190975	2.073563	0.039621	0.940725
cg08876039	chr1	14342668	PDPN	-0.32748	-2.07643	0.039352	0.940725
cg27231912	chr13	1.13E+08		-0.25656	-2.07221	0.039748	0.941008
cg01866038	chr14	62583968		0.19207	2.074854	0.0395	0.940725
cg07838388	chr13	45492839		-0.19748	-2.07208	0.03976	0.941008
cg13978347	chr9	1.2E+08	ASTN2;TRIM32	-0.33674	-2.07228	0.039742	0.941008
cg00672277	chr3	1.38E+08		-0.26436	-2.07296	0.039677	0.940872
cg23614852	chr5	1.41E+08		0.359058	2.073692	0.039609	0.940725
cg25009999	chr10	1.35E+08	INPP5A	0.2365	2.074217	0.039559	0.940725

cg21584800	chr1	2689171		-0.27227	-2.07122	0.039842	0.941167
cg23700278	chr4	3746874		0.256842	2.073832	0.039596	0.940725
cg21760034	chr3	1.96E+08		0.197374	2.071688	0.039798	0.941014
cg15606692	chr11	1.25E+08		-0.20684	-2.07341	0.039635	0.940725
cg09163270	chr4	1.89E+08		0.30949	2.073226	0.039653	0.940754
cg27551706	chr1	7015944		-0.19988	-2.07757	0.039245	0.940725
cg01152015	chr11	1.34E+08		0.213287	2.073871	0.039592	0.940725
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cg16189671	chr8	65291562		0.31506	2.071657	0.039801	0.941014
cg07012091	chr17	30186062		-0.15501	-2.07157	0.039808	0.941014
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cg09156542	chr13	1.12E+08		-0.21233	-2.07606	0.039386	0.940725
cg19656950	chr13	1.01E+08		0.215065	2.074764	0.039508	0.940725
cg03521736	chr19	291022		-0.18846	-2.0729	0.039684	0.94097
cg27314422	chr6	31105927		-0.19807	-2.07375	0.039603	0.940725
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cg04279695	chr11	1.02E+08		0.218406	2.072699	0.039702	0.941008
cg15681577	chr11	41481497		0.412976	2.074152	0.039565	0.940725
cg15600669	chr5	1.26E+08		-0.27568	-2.07557	0.039432	0.940725
cg18137481	chr11	1.1E+08		-0.28385	-2.07507	0.039479	0.940725
cg15835825	chr7	1.55E+08		0.325458	2.075139	0.039473	0.940725
cg06049868	chr13	1.13E+08		0.20287	2.072816	0.039691	0.941008
cg00420911	chr5	2205990	NDUFS6	-0.21892	-2.0742	0.039561	0.940725
cg09152853	chr5	1.49E+08		0.273883	2.074493	0.039533	0.940725
cg23465289	chr5	54909384	ENSG00000226221	-0.22683	-2.07412	0.039568	0.940725

cg12623034	chr1	1.71E+08		-0.23034	-2.07078	0.039884	0.941177
cg19951297	chr5	1.38E+08	DNAJC18;ECSCR;CTNNA1;SPATA24	0.367768	2.073448	0.039632	0.940725
cg21821231	chr11	1262890		-0.2915	-2.07105	0.039858	0.941177
cg21264531	chr7	1.57E+08		-0.27218	-2.07349	0.039628	0.940725
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cg06459913	chr16	11361823		-0.25872	-2.07351	0.039626	0.940725
cg26819428	chr2	60784878	XPO1	0.331951	2.07671	0.039326	0.940725
cg04000821	chr19	55014066	LILRB1;LAIR1;SUV420H2;LILRB2	-0.30652	-2.07221	0.039749	0.941008
cg03877767	chr2	11680057		-0.36323	-2.07251	0.03972	0.941008
cg02207554	chr17	11145805		0.269632	2.07311	0.039664	0.940803
cg00400096	chr11	41644529		-0.26401	-2.07648	0.039347	0.940725
cg06822062	chr10	13688106		-0.22089	-2.07474	0.03951	0.940725
cg22963296	chr2	64092376		-0.27911	-2.07484	0.039501	0.940725
cg23226914	chr1	2.48E+08		0.616238	2.074397	0.039542	0.940725
cg26466587	chr6	1E+08		0.416406	2.071628	0.039803	0.941014
cg25522119	chr19	47219957		-0.19987	-2.07272	0.039701	0.941008
cg16879871	chr19	48111593		-0.21421	-2.07475	0.039509	0.940725
cg19128082	chr3	38537279	ITGA9;MYD88;ENSG00000235257	-0.23737	-2.07182	0.039786	0.941014
cg07378058	chr5	612255		-0.24745	-2.07172	0.039794	0.941014
cg14616824	chr9	1.02E+08		-0.29958	-2.07609	0.039383	0.940725
cg15348640	chr3	38179985		-0.25548	-2.0709	0.039872	0.941177
cg08193467	chr3	1.21E+08	ENSG00000239835	0.225351	2.075516	0.039437	0.940725

cg00960419	chr6	1.71E+08	PHF10	0.132672	2.072174	0.039752	0.941008
cg13551088	chr19	38270430		-0.14898	-2.07158	0.039808	0.941014
cg08344943	chr5	1064462	ENSG00000271781	-0.28069	-2.07158	0.039808	0.941014
cg21673812	chr2	2.43E+08		-0.34805	-2.07209	0.03976	0.941008
cg09369136	chr20	49202225	PARD6B;MOCS3;BCAS4;DPM1;SNAI1;CEBPB	0.41797	2.077881	0.039216	0.940725
cg19221959	chr7	94537347		0.176528	2.070416	0.039918	0.941177
cg24704759	chr10	1.33E+08	BNIP3	-0.27221	-2.07225	0.039744	0.941008
cg19432894	chr9	33025349		0.163358	2.073778	0.039601	0.940725
cg09682796	chr3	50383167		0.383716	2.073233	0.039652	0.940754
cg13656025	chr17	7744978	DNAH2	0.137585	2.075184	0.039469	0.940725
cg07757577	chr8	1.22E+08		0.299696	2.073116	0.039663	0.940803
cg21750709	chr3	1.09E+08		0.310191	2.071013	0.039862	0.941177
cg26832294	chr4	1.22E+08	ENSG00000250938	0.29939	2.070524	0.039908	0.941177
cg01479738	chr13	60741560		-0.16665	-2.07354	0.039623	0.940725
cg17508440	chr22	39101710	PRDX3P1;ATF4	-0.18307	-2.07419	0.039562	0.940725
cg05177629	chr20	43834580		-0.33155	-2.07266	0.039706	0.941008
cg07123118	chr8	13133706		0.340388	2.071175	0.039846	0.941167
cg00134563	chr16	88082117		-0.22693	-2.07301	0.039673	0.940866
cg21764708	chr7	1.51E+08	SMARCD3	-0.34068	-2.07191	0.039777	0.941014
cg14301764	chr8	1.42E+08		0.221284	2.069817	0.039975	0.941177
cg16413030	chr2	1.77E+08		0.298399	2.069834	0.039973	0.941177
cg10251896	chr15	78632684		0.460281	2.07317	0.039658	0.940803
cg00396673	chr7	1.56E+08		0.30262	2.074432	0.039539	0.940725

cg10332787	chr14	45722622		0.255005	2.078552	0.039154	0.940725
cg27555036	chr16	87898191		-0.32901	-2.0724	0.039731	0.941008
cg19721889	chr5	1.54E+08		0.351503	2.068662	0.040085	0.941274
cg07571284	chr14	23398847	C14orf93	0.183707	2.071603	0.039806	0.941014
cg12805420	chr17	7165840		-0.20138	-2.07423	0.039558	0.940725
cg23962528	chr2	2.42E+08		-0.23808	-2.07088	0.039875	0.941177
cg04115381	chr22	21800988		-0.20998	-2.07023	0.039936	0.941177
cg09697696	chr5	1.39E+08	MZB1	0.326113	2.070361	0.039923	0.941177
cg14739664	chr5	1.41E+08	VTRNA1-3	0.261335	2.073886	0.039591	0.940725
cg06589239	chr7	961457		-0.27736	-2.06953	0.040002	0.941177
cg23174616	chr5	1.46E+08		0.262556	2.069327	0.040021	0.941242
cg09267324	chr17	60704634		-0.17518	-2.07122	0.039842	0.941167
cg07934941	chr4	1.86E+08		0.210803	2.071128	0.039851	0.941167
cg15686385	chr4	17299372		0.256672	2.072579	0.039714	0.941008
cg16132139	chr10	1.15E+08		-0.33822	-2.07358	0.039619	0.940725
cg14537090	chr2	2.3E+08		0.253306	2.070186	0.03994	0.941177
cg07419740	chr5	1.72E+08		0.235146	2.070211	0.039938	0.941177
cg12316475	chr9	72288069		-0.19016	-2.0707	0.039891	0.941177
cg04061873	chr11	67237179	TBC1D10C	0.25118	2.068814	0.04007	0.941274
cg04197086	chr13	1.13E+08		0.362845	2.069502	0.040005	0.941177
cg05749138	chr17	77536956		-0.33237	-2.07305	0.039669	0.940836
cg09882647	chr20	43991346		0.271383	2.071879	0.03978	0.941014
cg18558143	chr19	21929991		0.21077	2.070369	0.039923	0.941177
cg26282347	chr17	80968852		-0.23276	-2.07546	0.039442	0.940725
cg27117720	chr16	19600928	RPS15A;ARL6IP1	-0.27985	-2.07261	0.039711	0.941008

cg02230085	chr17	900491		-0.18611	-2.07145	0.039821	0.941014
cg03764027	chr15	62530766		-0.30572	-2.07164	0.039802	0.941014
cg23231268	chr3	46792462		1.160364	2.070359	0.039923	0.941177
cg18364541	chr4	40750693		0.289141	2.070396	0.03992	0.941177
cg06223736	chr2	2.4E+08		-0.29361	-2.07456	0.039527	0.940725
cg10590442	chr11	1.25E+08		0.211758	2.071542	0.039812	0.941014
cg00877619	chr3	38772426		-0.27689	-2.07103	0.03986	0.941177
cg12090413	chr18	47807928		-0.17779	-2.06916	0.040037	0.941242
cg13256160	chr10	1.34E+08		-0.19861	-2.07018	0.039941	0.941177
cg21519787	chr19	49133421	EHD2;TEAD2;HRC;FUT2;RASIP1;BAX;SLC6A16;PRRG2	0.308048	2.069925	0.039965	0.941177
cg16338306	chr18	74632044		0.211367	2.072088	0.03976	0.941008
cg25707805	chr1	1.13E+08		0.436845	2.069295	0.040024	0.941242
cg16930728	chr8	1.4E+08		-0.24268	-2.06991	0.039966	0.941177
cg13465000	chr1	9670867		0.24829	2.070747	0.039887	0.941177
cg17847520	chr5	1.75E+08		-0.36623	-2.07358	0.03962	0.940725
cg13071386	chr3	37494403		0.38785	2.069152	0.040038	0.941242
cg24266105	chr6	1.46E+08		-0.38013	-2.07597	0.039394	0.940725
cg16422714	chr5	3059137		0.258843	2.074982	0.039487	0.940725
cg16765006	chr17	66194258		0.210558	2.07113	0.039851	0.941167
cg13579112	chr19	407205		0.212586	2.069024	0.04005	0.94125
cg06167937	chr2	1.22E+08	TSN;NIFK	-0.14871	-2.07058	0.039903	0.941177
cg08508368	chr8	86157364		-0.22816	-2.07166	0.0398	0.941014
cg08330217	chr20	57982969	ZNF831	-0.33584	-2.06985	0.039971	0.941177

cg11134430	chr3	1.94E+08		0.300804	2.07004	0.039954	0.941177
cg13194045	chr1	1.66E+08		-0.24506	-2.07224	0.039746	0.941008
cg20885569	chr2	2.17E+08		-0.31183	-2.07063	0.039898	0.941177
cg01300410	chr10	95653653		0.118006	2.071709	0.039796	0.941014
cg27237420	chr14	1.06E+08		0.228444	2.071369	0.039828	0.941045
cg24144105	chr13	1.12E+08		-0.24176	-2.0697	0.039986	0.941177
cg11776321	chr5	9440470	ENSG00000251370	0.235379	2.070891	0.039873	0.941177
cg23081193	chr12	1.08E+08		-0.27022	-2.07144	0.039821	0.941014
cg09240763	chr2	2E+08		0.326584	2.07143	0.039822	0.941014
cg08278108	chr17	48042917	ABI3;COL1A1	0.294386	2.070361	0.039923	0.941177
cg15951362	chr6	1.66E+08		-0.20665	-2.07506	0.03948	0.940725
cg05045969	chr7	2154423		-0.23149	-2.07117	0.039847	0.941167
cg18076430	chr20	40325863	PLCG1	-0.27511	-2.06857	0.040093	0.941282
cg03105244	chr2	1.06E+08		-0.35741	-2.06957	0.039998	0.941177
cg14568105	chr19	37282931		0.306011	2.069871	0.03997	0.941177
cg26557693	chr7	27265159	ENSG00000214870;HOXA-AS2	0.237989	2.071867	0.039781	0.941014
cg14235416	chr4	1.41E+08		0.190164	2.070065	0.039951	0.941177
cg10139846	chr1	62207966	ENSG00000237853	0.200925	2.069525	0.040003	0.941177
cg25338623	chr11	67250427	ENSG00000251637	-0.20429	-2.07236	0.039734	0.941008
cg24157349	chr22	47081751	TTC38	0.360556	2.072272	0.039743	0.941008
cg21809007	chr19	6739524		-0.17047	-2.07078	0.039883	0.941177
cg03988527	chr2	1.02E+08		0.150212	2.069252	0.040029	0.941242
cg06474294	chr5	1.76E+08		0.162071	2.071911	0.039777	0.941014
cg23804842	chr12	8325216		-0.18942	-2.06981	0.039975	0.941177

cg00588734	chr2	1.63E+08		-0.28989	-2.07075	0.039886	0.941177
cg03601617	chr6	71337660		-0.27648	-2.06862	0.040088	0.941274
cg04704247	chr4	1672920		-0.1945	-2.0702	0.039939	0.941177
cg24330386	chr2	2.2E+08		0.176531	2.072376	0.039733	0.941008
cg18307303	chr5	1.59E+08	FABP6;ENSG00000247699	-0.18257	-2.07045	0.039914	0.941177
cg18217145	chr1	40254695		0.185078	2.071783	0.039789	0.941014
cg26879578	chr1	95700272		-0.21572	-2.07144	0.039821	0.941014
cg06931523	chr8	854757		-0.22739	-2.07146	0.03982	0.941014
cg14028140	chr22	39953985		-0.21042	-2.06939	0.040015	0.941242
cg12289509	chr6	1.12E+08		-0.14383	-2.07026	0.039932	0.941177
cg12866648	chr8	23540388		-0.16676	-2.06906	0.040047	0.94125
cg01014113	chr8	1.45E+08	RHPN1-AS1	0.238735	2.069744	0.039982	0.941177
cg24466377	chr19	46268509	GIPR	-0.17146	-2.06956	0.039999	0.941177
cg15615829	chr17	12008797		-0.34858	-2.07337	0.039639	0.940725
cg18403193	chr6	1.66E+08	PRR18;C6orf118	-0.34164	-2.07016	0.039942	0.941177
cg27394859	chr19	35455201		-0.15756	-2.0695	0.040005	0.941177
cg10118513	chr14	1.01E+08		0.384613	2.068778	0.040074	0.941274
cg25973273	chr6	56407538		-0.16008	-2.06955	0.040001	0.941177
cg06667316	chr19	11550036		-0.27615	-2.0697	0.039986	0.941177
cg15680470	chr8	54938360		-0.2624	-2.07151	0.039815	0.941014
cg25355076	chr5	39074677		-0.13818	-2.07375	0.039603	0.940725
cg00883837	chr1	2.49E+08		-0.24182	-2.07282	0.039691	0.941008
cg08206881	chr2	12317357		-0.6475	-2.07058	0.039902	0.941177
cg12287936	chr5	1800606	C5orf38	-0.31451	-2.06996	0.039961	0.941177

cg04946709	chr16	59789030		-0.22701	-2.06869	0.040082	0.941274
cg24694748	chr4	1.41E+08		-0.19863	-2.0685	0.0401	0.941282
cg24889949	chr19	58551920		-0.2513	-2.06697	0.040246	0.942458
cg08635689	chr1	1.11E+08		-0.20859	-2.07	0.039957	0.941177
cg02629156	chr6	31856193		-0.18377	-2.06738	0.040207	0.942151
ch.2.6726424R	chr2	6808973		-0.30231	-2.07029	0.03993	0.941177
cg26465715	chr10	1.02E+08		0.287595	2.068841	0.040068	0.941274
cg02150262	chr11	1.25E+08	VSIG2;CHEK1	-0.24631	-2.07216	0.039753	0.941008
cg19498237	chr3	49314655		0.180515	2.070611	0.0399	0.941177
cg26780581	chr6	1.62E+08		0.216592	2.069582	0.039997	0.941177
cg07569994	chr1	44513877		-0.28804	-2.0722	0.039749	0.941008
cg06060731	chr2	86566113		0.207977	2.069102	0.040043	0.941243
cg14272275	chr11	72353596		-0.19204	-2.06747	0.040198	0.942151
cg12449528	chr2	24233341		0.278776	2.066827	0.040259	0.942489
cg27235315	chr1	2.24E+08	CAPN2;TP53BP2; SUSD4	-0.37453	-2.0761	0.039382	0.940725
cg21483820	chr7	1.39E+08		0.202808	2.069454	0.040009	0.941223
cg12568756	chr2	2.19E+08		0.231253	2.066355	0.040305	0.942616
cg11354857	chr21	32128696		-0.26977	-2.06783	0.040163	0.94185
cg17442194	chr11	26743403		-0.31671	-2.06782	0.040164	0.94185
cg17001765	chr1	2.49E+08		-0.26497	-2.07261	0.039711	0.941008
cg19866944	chr1	1.75E+08		0.273353	2.07199	0.039769	0.941014
cg21261158	chr13	1.15E+08		0.36439	2.074693	0.039515	0.940725
cg04339882	chr1	17286363	EPHA2	-0.2554	-2.07116	0.039848	0.941167
cg25367905	chr5	1.77E+08		0.175425	2.070573	0.039903	0.941177

cg00424297	chr6	87865072		0.16687	2.067147	0.040229	0.942386
cg17930505	chr1	2.3E+08		0.360501	2.068455	0.040104	0.941326
cg04871875	chr6	89828172	RNGTT	0.235776	2.068648	0.040086	0.941274
cg01565013	chr3	46785957	CXCR6;CCR5	-0.2931	-2.06881	0.04007	0.941274
cg05838104	chr1	2559371		0.279706	2.070312	0.039928	0.941177
cg02405813	chr6	83072522		0.273775	2.067636	0.040182	0.942127
cg01809941	chr5	14581404		0.269989	2.067032	0.04024	0.942443
cg25003658	chr5	1.18E+08		0.225107	2.070996	0.039863	0.941177
cg02200207	chr7	29605237	NOD1;PRR15	0.314046	2.068724	0.040079	0.941274
cg18241130	chr17	12927974		0.161889	2.069265	0.040027	0.941242
cg23418434	chr17	67410731		-0.16345	-2.06993	0.039964	0.941177
cg11120874	chr14	21673491	TTC5;TEP1;ENSG00000222489	0.334551	2.068093	0.040139	0.941757
cg17256157	chr6	1.42E+08		0.363692	2.071382	0.039827	0.941045
cg16112276	chr11	58806952		-0.36363	-2.0726	0.039711	0.941008
cg13148076	chr22	31742484		0.172979	2.071574	0.039809	0.941014
cg27068539	chr16	4896607		-0.20547	-2.06782	0.040165	0.94185
cg08701609	chr21	34961305		-0.25656	-2.06787	0.04016	0.94185
cg06173956	chr16	50666302		0.211776	2.068739	0.040077	0.941274
cg08740063	chr12	51180192		-0.26323	-2.07114	0.039849	0.941167
cg21751779	chr7	1.02E+08		-0.32971	-2.0706	0.039901	0.941177
cg15761364	chr10	97514120		-0.33282	-2.06796	0.040151	0.94185
cg05202654	chr16	88706241		0.223017	2.068003	0.040147	0.94185
cg13258610	chr7	24613676		-0.15782	-2.06785	0.040162	0.94185
cg08883696	chr15	22014725		-0.2966	-2.06783	0.040164	0.94185

cg15851904	chr12	64215680	PABPC1P4	0.33503	2.070346	0.039925	0.941177
cg26034145	chr1	1.17E+08		0.366306	2.066135	0.040325	0.942616
cg19564367	chr4	7941852		0.274115	2.069744	0.039982	0.941177
cg10948630	chr14	95562368		0.267503	2.06617	0.040322	0.942616
cg13916877	chr17	55601697	MKS1;MSI2;SCPEP1;ENSG00000263004;DGKE;AKAP1;SEPT4;VEZF1;C17orf67;ENSG00000263089;EPX	0.324855	2.072788	0.039694	0.941008
cg16661464	chr18	61037759	PHLPP1	0.266505	2.066766	0.040265	0.942574
cg27444940	chr13	99013093		-0.30423	-2.0691	0.040043	0.941243
cg14155193	chr9	1.29E+08		-0.25305	-2.06862	0.040089	0.941274
cg00540850	chr5	1277126		-0.18566	-2.07386	0.039592	0.940725
cg03472349	chr15	31319218		-0.26378	-2.06755	0.040191	0.942151
cg10533069	chr14	31021011	HECTD1;NUBPL	-0.35473	-2.06997	0.03996	0.941177
cg20739526	chr7	1.55E+08		0.405628	2.072741	0.039698	0.941008
cg23258703	chr7	1.29E+08	ENSG00000271553	-0.34327	-2.06817	0.040132	0.941665
cg25403152	chr8	60031829		-0.25913	-2.06743	0.040202	0.942151
cg20229931	chr21	47647656	SPATC1L;LINC00205	0.340944	2.066379	0.040302	0.942616
cg08183425	chr2	86037857	CD8A	-0.27688	-2.06554	0.040382	0.942616
cg15835312	chr4	27117234	STIM2	-0.36299	-2.07162	0.039804	0.941014
cg27213509	chr2	1.77E+08		0.211272	2.067127	0.040231	0.942386
cg11651936	chr2	1.21E+08		0.310696	2.069938	0.039963	0.941177

cg16203607	chr17	62500946	LRRC37A3;ENSG00000264954	0.290399	2.068435	0.040106	0.941326
cg06619076	chr8	62627042		-0.17859	-2.06966	0.03999	0.941177
cg13606616	chr19	45926999		-0.11994	-2.0697	0.039986	0.941177
cg04852685	chr3	1.78E+08		0.314688	2.069672	0.039989	0.941177
cg22033559	chr17	7143253		0.131656	2.068283	0.040121	0.941494
cg02130266	chr22	17078353		-0.24537	-2.06586	0.040351	0.942616
cg08700284	chr7	75508179		-0.20542	-2.06916	0.040038	0.941242
cg18571497	chr6	32784676	TNXB;HLA-DQA1	-0.38523	-2.0763	0.039363	0.940725
cg20931973	chr6	1.11E+08		0.247734	2.070521	0.039908	0.941177
cg00797346	chr15	37391573		-0.2506	-2.06667	0.040274	0.942616
cg25537724	chr2	39663782		-0.19542	-2.06765	0.040181	0.942127
cg23730109	chr3	73731100		-0.31727	-2.06554	0.040383	0.942616
cg15462736	chr1	1.78E+08		-0.3351	-2.06893	0.040059	0.941274
cg21601405	chr20	44747006		0.398867	2.067242	0.04022	0.942358
cg24662698	chr1	18970515		-0.3079	-2.06654	0.040287	0.942616
cg04557665	chr10	1.15E+08		-0.34774	-2.06904	0.040049	0.94125
ch.9.130720330F	chr9	1.32E+08		-0.22996	-2.06746	0.040199	0.942151
cg12530050	chr12	1.15E+08		-0.19559	-2.06792	0.040155	0.94185
cg05073382	chr8	2045798		-1.02042	-2.06631	0.040308	0.942616
cg17921248	chr17	64298993		0.188865	2.072111	0.039758	0.941008
cg01647736	chr12	59924853		-0.33719	-2.0663	0.04031	0.942616
cg18039643	chr11	62622929	POLR2G;FADS2	-0.30252	-2.06566	0.040371	0.942616
cg25863829	chr11	1.3E+08		0.303859	2.066601	0.040281	0.942616
cg00218792	chr15	81468599	ABHD17C	0.301578	2.067371	0.040208	0.942151

cg16221289	chr6	39757308		0.2748	2.068267	0.040122	0.941494
cg09815977	chr12	7021987	GPR162;LRRC23;C1RL	0.277184	2.06578	0.040359	0.942616
cg21896766	chr8	1.14E+08		0.373585	2.067127	0.040231	0.942386
cg25581826	chr20	2821485		-0.15927	-2.06548	0.040388	0.942616
cg02229461	chr7	75185674		-0.25391	-2.06509	0.040425	0.942651
cg05499376	chr5	1.78E+08		-0.22027	-2.0683	0.040119	0.941494
cg14261868	chr1	1.5E+08		0.256084	2.069708	0.039985	0.941177
cg25340241	chr7	1.05E+08		-0.1842	-2.06923	0.04003	0.941242
cg27071234	chr15	37161343		0.271876	2.066857	0.040257	0.942473
cg16163116	chr1	3608758		-0.18461	-2.0684	0.04011	0.941357
cg07362258	chr13	41109707		-0.22889	-2.06606	0.040333	0.942616
cg11326613	chr9	35657478	RMRP	0.198505	2.06706	0.040237	0.942433
cg21870731	chr20	62496515		0.172001	2.066096	0.040329	0.942616
cg20712274	chr19	9946111		-0.11497	-2.06864	0.040087	0.941274
cg20219790	chr10	1.35E+08		-0.26524	-2.06483	0.04045	0.94273
cg24104128	chr11	33796038		-0.19355	-2.06488	0.040446	0.94273
cg24856258	chr15	41952827		0.187533	2.064604	0.040472	0.94273
cg20335185	chr1	1.56E+08		-0.33743	-2.06641	0.040299	0.942616
cg10951289	chr1	2.05E+08		0.260311	2.065801	0.040357	0.942616
cg24361823	chr19	1112732	SCAMP4;PCSK4	0.180663	2.068511	0.040099	0.941282
cg03133118	chr1	78001627		-0.29908	-2.06524	0.040411	0.942616
cg23428725	chr14	36278532		0.204619	2.065293	0.040406	0.942616
cg07661106	chr17	77956872		-0.21581	-2.06474	0.040459	0.94273
cg09764206	chr4	1.85E+08		-0.16582	-2.06741	0.040204	0.942151

cg04985032	chr1	944439		0.175993	2.06808	0.04014	0.941757
ch.9.1872490F	chr9	1.21E+08		0.207999	2.065756	0.040362	0.942616
cg26532812	chr11	1.34E+08	IGSF9B;JAM3	-0.48078	-2.06623	0.040316	0.942616
cg05862114	chr7	1.3E+08		-0.17903	-2.06638	0.040302	0.942616
cg00599280	chr4	1.66E+08		0.235355	2.066317	0.040308	0.942616
cg16509355	chr4	15471240		-0.24235	-2.06963	0.039992	0.941177
cg17016026	chr2	45203363	PREPL	-0.20961	-2.06612	0.040327	0.942616
cg12221864	chr2	29127558		-0.31209	-2.06918	0.040035	0.941242
cg03912661	chr10	1.33E+08		-0.23448	-2.06598	0.04034	0.942616
cg03661775	chr6	1.54E+08		0.368314	2.065674	0.04037	0.942616
cg15661332	chr10	90342814		-0.289	-2.07186	0.039782	0.941014
cg05721230	chr6	5004418		-0.24477	-2.06526	0.04041	0.942616
cg06452779	chr21	44590379		-0.30062	-2.06449	0.040483	0.94273
cg26542412	chr1	92350568		0.264866	2.066286	0.040311	0.942616
cg13173909	chr2	1.29E+08		0.210848	2.066416	0.040299	0.942616
cg10159630	chr2	1.77E+08		0.313091	2.068537	0.040096	0.941282
cg17574911	chr8	1.46E+08	FAM83H-AS1;ARHGAP39	0.297314	2.065421	0.040394	0.942616
cg04386839	chr1	1.59E+08		0.251645	2.067411	0.040204	0.942151
cg02579706	chr3	1.88E+08	ENSG00000224187	-0.30652	-2.06596	0.040342	0.942616
cg09019329	chr2	1.62E+08		0.194824	2.069144	0.040039	0.941242
cg03056436	chr11	22647496		-0.19782	-2.06474	0.040459	0.94273
cg07219494	chr5	1.66E+08		-0.27809	-2.06749	0.040196	0.942151
cg04897713	chr8	11832762		-0.20681	-2.06489	0.040445	0.94273
cg03863838	chr6	36562081	CCDC167	-0.18106	-2.06604	0.040335	0.942616

cg26385097	chr2	438095		0.23868	2.06462	0.040471	0.94273
cg05096398	chr16	30621516		0.234319	2.065894	0.040348	0.942616
cg11321965	chr19	12780562		0.236992	2.0658	0.040357	0.942616
cg07432579	chr5	1.71E+08		-0.21146	-2.06709	0.040234	0.942422
cg13688889	chr9	1.01E+08		-0.30519	-2.06527	0.040408	0.942616
cg18273278	chr7	1.56E+08		-0.19066	-2.06636	0.040304	0.942616
cg20638683	chr6	45982569		0.300718	2.063906	0.040539	0.94273
cg16908123	chr1	2.44E+08	ADSS	-0.43564	-2.06524	0.040412	0.942616
cg23885415	chr2	71127255		0.25063	2.065518	0.040384	0.942616
cg23726178	chr11	1847307		0.259666	2.068815	0.04007	0.941274
cg19969733	chr2	1.03E+08		0.403292	2.065332	0.040402	0.942616
cg24137774	chr11	19372014		-0.21638	-2.06689	0.040254	0.942458
cg19478223	chr4	1.41E+08	RNF150	0.314668	2.066006	0.040338	0.942616
cg23454082	chr2	55266232		-0.24481	-2.07234	0.039736	0.941008
cg07971894	chr16	1500430		0.243658	2.068624	0.040088	0.941274
cg00588621	chr12	1.05E+08		0.351498	2.065754	0.040362	0.942616
cg00571090	chr4	1.23E+08		-0.20271	-2.0692	0.040033	0.941242
cg05999628	chr17	32612684	ENSG00000266947;CCL2	-0.22378	-2.07007	0.039951	0.941177
cg14605520	chr9	1.39E+08		0.382135	2.063901	0.04054	0.94273
cg18396675	chr17	56605391		-0.19589	-2.06415	0.040516	0.94273
cg04469873	chr20	304978		0.200622	2.065002	0.040434	0.94268
cg13657106	chr5	53294048		0.279872	2.064574	0.040475	0.94273
cg23306295	chr11	64684703	NRXN2;BATF2	0.194811	2.065156	0.040419	0.942616
cg23111837	chr11	1.3E+08		0.272519	2.065726	0.040365	0.942616

cg04851169	chr5	1.75E+08		-0.32092	-2.0619	0.040732	0.943224
cg08081390	chr16	31195218	DCTPP1;SEPHS2;TGFB1I1	0.254184	2.066926	0.04025	0.942458
cg01192869	chr4	24470951		0.266447	2.064074	0.040523	0.94273
cg17413120	chr12	1.32E+08		-0.21866	-2.0669	0.040252	0.942458
cg05479174	chr12	1.32E+08		0.255622	2.064072	0.040523	0.94273
cg10107529	chr4	15344779		-0.32686	-2.06568	0.040369	0.942616
cg06189855	chr12	88535899		-0.17115	-2.0686	0.040091	0.941274
cg24920145	chr6	31628350		-0.19683	-2.06397	0.040533	0.94273
cg09615521	chr11	1.14E+08		0.368764	2.06304	0.040622	0.943033
cg06223797	chr12	95644358		-0.23694	-2.06458	0.040474	0.94273
cg00858400	chr16	87904580	CYBA	-0.26228	-2.06931	0.040023	0.941242
cg26795340	chr12	50504814	ENSG00000258334;PRPH;KCNH3;LIMA1;TUBA1A;METTL7A;GPD1;SLC11A2;CERS5;TFCP2;DIP2B;FMNL3;TMBIM6;BCDIN3D-AS1;NCKAP5L;ASIC1;SMARCD1	0.271835	2.065592	0.040377	0.942616
cg08252585	chr2	24931616		-0.32914	-2.06341	0.040586	0.942812
cg12990337	chr2	1.68E+08		0.37757	2.067807	0.040166	0.94185
cg06374962	chr4	1.12E+08		0.334531	2.063986	0.040531	0.94273
cg24033042	chr19	3286244		0.222541	2.065482	0.040388	0.942616

cg13168221	chr1	22962032		-0.30014	-2.06224	0.040699	0.943224
cg11751344	chr8	92622592		-0.34231	-2.06607	0.040332	0.942616
cg20238355	chr7	1.01E+08		-0.27935	-2.06431	0.0405	0.94273
cg22255773	chr7	1.55E+08		-0.29772	-2.06301	0.040625	0.943033
cg10555583	chr20	1784276		-0.1575	-2.06354	0.040574	0.94273
cg18806716	chr10	30721971		0.458219	2.065289	0.040406	0.942616
cg09044219	chr12	510474		0.316872	2.0647	0.040463	0.94273
cg20577477	chr8	11668491	RPS3AP34	0.356024	2.064298	0.040501	0.94273
cg26221941	chr4	1.88E+08		-0.35416	-2.06549	0.040387	0.942616
cg24874425	chr1	17846708		-0.24639	-2.06452	0.04048	0.94273
cg06490627	chr16	50344198	SNX20;CYLD	-0.25358	-2.06372	0.040557	0.94273
cg10193763	chr2	2.25E+08		-0.17678	-2.0658	0.040358	0.942616
cg10588276	chr5	1.42E+08	KIAA0141;SPRY4;PCDH12;FGF1;PCDH1	0.397446	2.071012	0.039862	0.941177
cg15770585	chr7	4762742		-0.60226	-2.06326	0.040601	0.942892
cg21056475	chr5	1.1E+08		-0.27241	-2.06218	0.040705	0.943224
cg18439358	chr17	41910968		0.271061	2.065414	0.040394	0.942616
cg24010613	chr17	73754373		-0.2452	-2.06471	0.040462	0.94273
cg24496586	chr6	33290913		-0.16703	-2.06499	0.040435	0.94268
cg07112456	chr7	1.02E+08		-0.26929	-2.06436	0.040495	0.94273
cg02371363	chr15	73617541		0.26794	2.0613	0.04079	0.943239
cg18192083	chr1	6086254		-0.26621	-2.06501	0.040433	0.94268
cg16738145	chr15	56757314		0.136106	2.065164	0.040418	0.942616
cg16404569	chr1	2.44E+08		0.202563	2.063645	0.040564	0.94273

cg26181372	chr9	1.04E+08		-0.29814	-2.06159	0.040762	0.943239
cg12884128	chr13	1.13E+08		-0.31678	-2.06386	0.040544	0.94273
cg05045161	chr15	1.02E+08		-0.25049	-2.06478	0.040456	0.94273
cg20922821	chr12	94070578	SOCS2;MRPL42;SOCS2-AS1	0.290159	2.068793	0.040072	0.941274
cg11404058	chr5	14011843		-0.15949	-2.06524	0.040412	0.942616
cg08416723	chr3	1.29E+08	EFCC1	0.280803	2.064411	0.040491	0.94273
cg27100266	chr6	28876160		-0.24221	-2.06422	0.040508	0.94273
cg01343624	chr7	51842120		-0.34124	-2.06279	0.040647	0.943152
cg08170637	chr17	79988088	SECTM1	0.198085	2.066238	0.040316	0.942616
cg14090208	chr5	1632226		0.325617	2.064093	0.040521	0.94273
cg03615207	chr18	12702659		-0.14833	-2.06383	0.040546	0.94273
cg10136736	chr4	1.83E+08		0.212105	2.064323	0.040499	0.94273
cg11080430	chr17	16557885		0.326461	2.06423	0.040508	0.94273
cg09575269	chr17	41174397		-0.21792	-2.06525	0.040411	0.942616
cg15492834	chr1	1.62E+08	FCGR2B	-0.32467	-2.06206	0.040717	0.943224
cg08356262	chr5	75838704	IQGAP2;ENSG00000249713	0.408048	2.063645	0.040564	0.94273
cg03988518	chr6	1.71E+08	PSMB1	-0.22823	-2.06415	0.040516	0.94273
cg09935766	chr7	25219892		0.158233	2.06459	0.040473	0.94273
cg20378837	chr7	5385295		0.25021	2.063607	0.040568	0.94273
cg14331281	chr10	51491984		0.198183	2.063563	0.040572	0.94273
cg03944375	chr1	22143533		-0.24221	-2.06446	0.040486	0.94273
cg23051879	chr1	1.66E+08		-0.15189	-2.06412	0.040519	0.94273
cg02755669	chr12	3414090		-0.19464	-2.0675	0.040196	0.942151
cg10535786	chr2	1.59E+08		0.150409	2.067208	0.040223	0.94236

cg19175649	chr17	15164120		-0.1629	-2.06236	0.040687	0.94317
cg16675700	chr2	69240124		-0.14622	-2.06354	0.040574	0.94273
cg18250916	chr5	612533		-0.15845	-2.06102	0.040817	0.943239
cg24046411	chr16	88717646		-0.24085	-2.066	0.040339	0.942616
cg24886267	chr5	1.68E+08		0.273352	2.06482	0.040451	0.94273
cg06259050	chr4	1.23E+08		0.30767	2.065179	0.040417	0.942616
cg07584077	chr2	2.41E+08		0.21661	2.063161	0.040611	0.943008
cg14577174	chr6	39696745		-0.31363	-2.06577	0.04036	0.942616
cg14769121	chr7	98722470	ZKSCAN1;BAIAP2L1;ZNF3;KPNA7;AP4M1;MCM7;BRI3;BUD31;CPSF4;ZNF655;TMEM130;ZSCAN25;ENSG00000272950	0.403746	2.066688	0.040273	0.942616
cg05084525	chr8	1.3E+08		-0.37944	-2.06518	0.040417	0.942616
cg17194240	chr8	48651122		0.124841	2.066931	0.040249	0.942458
cg26482609	chr19	47223398		0.218049	2.062021	0.04072	0.943224
cg14184866	chr9	82185137		0.329697	2.063633	0.040565	0.94273
cg09130963	chr1	55353157		0.197804	2.061963	0.040726	0.943224
cg08849294	chr7	2758014	SDK1	-0.21324	-2.06469	0.040464	0.94273
cg09549949	chr2	2.4E+08		-0.22043	-2.06396	0.040534	0.94273
cg00775119	chr2	1.53E+08		-0.30309	-2.06386	0.040544	0.94273
cg16438182	chr17	78916567	NOTUM;OXLD1;RNF213	0.311279	2.064287	0.040502	0.94273
cg07483650	chr1	2.49E+08		-0.36367	-2.06072	0.040846	0.943239

cg07726808	chr22	50646944	PIM3	0.26316	2.061731	0.040748	0.943239
cg02945266	chr22	22337468		0.343221	2.062291	0.040694	0.943224
cg08670136	chr17	45810379		0.1746	2.065649	0.040372	0.942616
cg05471602	chr11	1.29E+08		-0.48997	-2.06252	0.040673	0.943152
cg18685995	chr2	44588913		-0.21928	-2.06723	0.040221	0.942358
cg14907262	chr12	1.33E+08		-0.25408	-2.06285	0.04064	0.943152
cg05713753	chr13	1.11E+08		-0.21099	-2.06571	0.040366	0.942616
cg26672614	chr22	39548389		0.139118	2.063238	0.040603	0.942894
cg02630677	chr8	3102222		0.363991	2.062503	0.040674	0.943152
cg08379517	chr19	18509505	JAK3;GDF15;FCHO1;UPF1;MAST3;FAM129C;B3GNT3	-0.36182	-2.06377	0.040552	0.94273
cg08885449	chr3	11888484		0.205503	2.063492	0.040579	0.942743
cg23488804	chr17	42393982		0.233981	2.061283	0.040792	0.943239
cg00555268	chr20	62202358	SLC17A9	-0.25679	-2.06402	0.040528	0.94273
cg01209930	chr5	37868169		0.212564	2.065451	0.040391	0.942616
cg24123311	chr19	48675164		0.565979	2.060737	0.040844	0.943239
cg15748507	chr10	1.2E+08		0.248939	2.061987	0.040724	0.943224
cg05286348	chr19	16641544		0.231154	2.061968	0.040725	0.943224
cg19604488	chr19	55850138	ZNF865	-0.18437	-2.06335	0.040592	0.942863
cg13803455	chr11	1.18E+08		-0.23414	-2.06146	0.040775	0.943239
cg04971401	chr5	1.3E+08		-0.33754	-2.06154	0.040767	0.943239
cg06151171	chr2	24712362		-0.34161	-2.06198	0.040724	0.943224
cg23195547	chr11	8740646		-0.17006	-2.0626	0.040665	0.943152

cg02298612	chr16	75528459	TMEM231;ENSG00000262583;LDHD;MLKL;CFDP1;CHST6;ENSG00000203472;CHST5	0.311029	2.062806	0.040645	0.943152
cg02675652	chr12	51477739		0.269132	2.063272	0.0406	0.942892
cg00397764	chr10	1.16E+08	AFAP1L2;ATRNL1;CASP7;ADRB1;DCLRE1A;C10orf118	0.214603	2.065843	0.040353	0.942616
cg02720683	chr6	31671215		0.120758	2.061273	0.040792	0.943239
cg00998813	chr3	49894005	MAPKAPK3;IFRD2;CDHR4;P4HTM;RASSF1	-0.18075	-2.06167	0.040754	0.943239
cg04833210	chr12	1.14E+08		-0.18712	-2.06287	0.040638	0.943152
cg02430347	chr5	1.41E+08		-0.23504	-2.06369	0.040559	0.94273
cg03077712	chr17	7138739		-0.19603	-2.06121	0.040798	0.943239
cg08299063	chr6	28677698		0.296741	2.065038	0.04043	0.94268
cg23058185	chr10	8095985	SFMBT2	-0.27994	-2.0654	0.040396	0.942616
cg08588414	chr6	1.69E+08		0.326141	2.061846	0.040737	0.943234
cg13906646	chr6	1.67E+08		-0.17296	-2.06874	0.040077	0.941274
cg15989926	chr12	1.25E+08	SCARB1;PITPNM2;FAM101A	-0.3044	-2.06577	0.040361	0.942616
cg14695524	chr6	31165512		-0.21475	-2.06047	0.04087	0.943239
cg22916109	chr15	78730334		0.261887	2.059701	0.040944	0.943239
cg19053686	chr7	43479485		-0.31901	-2.06477	0.040456	0.94273

cg13229494	chr1	1E+08		-0.15376	-2.06259	0.040666	0.943152
cg02767665	chr12	1.3E+08		-0.28614	-2.06271	0.040654	0.943152
cg21647473	chr3	1.37E+08		0.155469	2.062591	0.040665	0.943152
cg11013726	chr15	65116557		0.371597	2.059546	0.040959	0.943239
cg14685612	chr10	1.06E+08		-0.4053	-2.06201	0.040721	0.943224
cg25865108	chr6	45559104		0.294127	2.061185	0.040801	0.943239
cg14628708	chr7	1.07E+08	NRCAM	0.242875	2.063073	0.040619	0.943033
cg01040749	chr10	1.34E+08		-0.30034	-2.06262	0.040662	0.943152
cg14613878	chr20	35504198	EPB41L1;SRC	-0.22192	-2.06094	0.040825	0.943239
cg20914488	chr13	1.13E+08		-0.24003	-2.06754	0.040192	0.942151
cg15783027	chr8	1.46E+08	ENSG00000254973;ZNF623	0.190728	2.061507	0.04077	0.943239
cg26248537	chr1	8376216		0.167309	2.063099	0.040617	0.943033
cg05227055	chr16	89105031		-0.26749	-2.06512	0.040423	0.942651
cg01926646	chr7	11675931		0.236651	2.062418	0.040682	0.94317
cg20228115	chr3	1.68E+08	EGFEM1P	-0.1842	-2.06047	0.04087	0.943239
cg20535299	chr2	97137216		-0.2732	-2.06206	0.040717	0.943224
cg16768320	chr17	57966691		0.275242	2.062555	0.040669	0.943152
cg22395250	chr11	62495981		0.189723	2.063764	0.040553	0.94273
cg21409829	chr1	2850859		-0.2528	-2.05911	0.041002	0.943239
cg01501009	chr19	57183268	ZIK1;ZNF549;ZNF542;ZNF134;ZNF667;ZNF667-AS1;PEG3	0.374675	2.060389	0.040878	0.943239
cg26426470	chr5	1.69E+08		0.309263	2.061313	0.040789	0.943239
cg11871960	chr14	97058777		0.395184	2.062103	0.040712	0.943224

cg04917576	chr12	67337583		-0.33289	-2.06236	0.040688	0.94317
cg22931950	chr6	1.33E+08		0.199447	2.064049	0.040525	0.94273
cg11573219	chr1	32083031	MTMR9LP	-0.20507	-2.06269	0.040656	0.943152
cg01995067	chr16	863240		0.294422	2.063678	0.040561	0.94273
cg01566593	chr7	44574134		0.167396	2.062556	0.040669	0.943152
cg23872893	chr8	99917510		0.208785	2.061118	0.040807	0.943239
cg24526760	chr5	1.71E+08		-0.34347	-2.0601	0.040906	0.943239
cg02397205	chr12	1.18E+08	TESC	0.233572	2.062783	0.040647	0.943152
cg18022774	chr7	1.57E+08		-0.31512	-2.06228	0.040695	0.943224
cg10721834	chr19	22990066		0.402986	2.05941	0.040973	0.943239
cg02011430	chr16	85010597	FAM92B;HSDL1;DNAAF1;MBTPS1;C16orf74;USP10;WFDC1;ENSG00000262601	0.284691	2.061623	0.040759	0.943239
cg16055869	chr4	74864612		0.294308	2.061358	0.040784	0.943239
cg03391568	chr3	46918266		-0.15333	-2.06069	0.040849	0.943239
cg09640300	chr6	7641144		-0.40017	-2.06129	0.040791	0.943239
cg06239355	chr5	32714010		0.224691	2.06242	0.040682	0.94317
cg25235766	chr19	54485494		0.444806	2.062678	0.040657	0.943152
cg07240937	chr1	1.54E+08		-0.15528	-2.06037	0.04088	0.943239
cg22795610	chr17	4803422		0.200178	2.060074	0.040908	0.943239
cg22405653	chr21	32128800		-0.34322	-2.0604	0.040876	0.943239
cg21830459	chr22	17680563		-0.34583	-2.06403	0.040527	0.94273
cg06495060	chr1	1.83E+08		-0.22269	-2.0611	0.040809	0.943239

cg01915951	chr20	62130500		-0.19707	-2.05976	0.040939	0.943239
cg02257533	chr15	43425591		-0.21157	-2.06106	0.040813	0.943239
cg13124788	chr6	33281942		-0.20607	-2.0625	0.040674	0.943152
cg09644707	chr12	1.15E+08	RBM19	-0.23251	-2.06157	0.040763	0.943239
cg27532331	chr8	51404106		-0.28828	-2.05985	0.04093	0.943239
cg21357621	chr3	1.84E+08		-0.23641	-2.06334	0.040593	0.942863
cg18350249	chr6	90378501		-0.32864	-2.06022	0.040894	0.943239
cg21114840	chr21	40752097		-0.20928	-2.06391	0.040538	0.94273
cg19005485	chr3	1.97E+08		-0.44506	-2.06263	0.040662	0.943152
cg15487498	chr1	2.3E+08		0.254788	2.062389	0.040685	0.94317
cg20608075	chr2	1.05E+08		-0.24936	-2.06203	0.040719	0.943224
cg12351296	chr7	25189282		-0.23442	-2.06024	0.040892	0.943239
cg03804148	chr17	1465813		-0.18074	-2.06002	0.040913	0.943239
cg18901644	chr4	8582227		0.299908	2.060578	0.04086	0.943239
cg16561893	chr6	85483536		0.287117	2.060843	0.040834	0.943239
cg15226808	chr6	1.25E+08		-0.22558	-2.05977	0.040938	0.943239
cg18786873	chr1	1.11E+08	KCNA3;CSF1;KCNA2	0.270278	2.062992	0.040627	0.943033
cg14185626	chr21	47401492		-0.27443	-2.06	0.040915	0.943239
cg16139401	chr13	99852615		-0.16976	-2.06056	0.040862	0.943239
cg04774334	chr7	99647362	ZCWPW1;ZKSCAN1	-0.13456	-2.06213	0.04071	0.943224
cg09645993	chr5	77289836		0.255952	2.060042	0.040911	0.943239
cg17154542	chr10	1.04E+08		0.302888	2.059298	0.040984	0.943239
cg16226004	chr7	70255985		0.311655	2.060832	0.040835	0.943239
cg06145736	chr3	1.44E+08		0.334742	2.063953	0.040535	0.94273

cg20952257	chr5	1.71E+08	GABRP	-0.26161	-2.06414	0.040516	0.94273
cg04341065	chr3	8889974		-0.23997	-2.05872	0.041039	0.943239
cg16083202	chr7	1.27E+08		-0.3015	-2.06074	0.040844	0.943239
cg05122082	chr14	20710905		-0.37157	-2.06699	0.040244	0.942458
cg02514000	chr7	70702212		0.358946	2.063024	0.040624	0.943033
cg18078658	chr12	72374129		-0.3071	-2.05914	0.040999	0.943239
cg20987938	chr7	1.55E+08		0.255823	2.058672	0.041044	0.943239
cg13827212	chr7	99036343		-0.15089	-2.06068	0.04085	0.943239
cg20480070	chr10	1.32E+08		-0.18693	-2.05884	0.041028	0.943239
cg26810230	chr10	1.35E+08		0.327389	2.060069	0.040909	0.943239
cg09027133	chr1	25945042	MAN1C1;AIM1L;MTFR1L	0.303832	2.06001	0.040915	0.943239
cg10636760	chr1	2904595		-0.25816	-2.06163	0.040758	0.943239
cg10266189	chr15	45000293		-0.27694	-2.06087	0.040831	0.943239
cg02266878	chr16	825525	WDR24;METRN;HBA1	-0.18327	-2.06188	0.040734	0.943224
cg24523758	chr2	1.82E+08		-0.17839	-2.06236	0.040687	0.94317
cg26843711	chr5	1.41E+08	PCDHGA5	0.283883	2.06016	0.0409	0.943239
cg18691133	chr19	54377440		-0.2699	-2.06293	0.040632	0.94311
cg08992499	chr3	63956514		0.266493	2.061803	0.040741	0.943234
cg03769055	chr6	30124804		0.230401	2.058699	0.041042	0.943239
cg20847039	chr13	48388426		-0.24197	-2.06025	0.040891	0.943239
cg26883650	chr2	2.18E+08		-0.24412	-2.06074	0.040844	0.943239
cg07640117	chr22	17440855		-0.22623	-2.06356	0.040573	0.94273
cg01805493	chr17	40979684		-0.34837	-2.05997	0.040918	0.943239
cg08290108	chr10	77054841		-0.14436	-2.0593	0.040983	0.943239

cg22163812	chr12	1.33E+08		0.18408	2.061123	0.040807	0.943239
cg05319880	chr12	1.01E+08		0.156343	2.061115	0.040808	0.943239
cg21898944	chr12	1.31E+08		0.406337	2.05948	0.040966	0.943239
cg08771114	chr11	1043852	MRPL23	-0.31849	-2.06018	0.040898	0.943239
cg25601229	chr1	1.1E+08	CYB561D1	0.178429	2.059308	0.040983	0.943239
cg09646760	chr10	2896262		-0.23408	-2.06151	0.040769	0.943239
cg27462475	chr13	99736304	FARP1;CLYBL;TM9SF2;DOCK9	0.286088	2.064526	0.04048	0.94273
cg19176553	chr17	43049895	HDAC5;DCAKD;KIF18B	-0.32282	-2.06013	0.040903	0.943239
cg04144859	chr8	1.45E+08		-0.23172	-2.05958	0.040956	0.943239
cg12207532	chr11	8040463	OR5P3;RPL27A;OR5E1P;ENSG00000248332;SYT9	-0.22823	-2.0596	0.040954	0.943239
cg16244248	chr10	1.35E+08		-0.20588	-2.06314	0.040613	0.943008
cg12610867	chr12	52445276		-0.19077	-2.06348	0.04058	0.942743
cg07131655	chr3	49907414		0.206065	2.059151	0.040998	0.943239
cg15169943	chr8	71068363		0.303592	2.059022	0.04101	0.943239
cg11872776	chr17	78061645	RNF213	-0.26363	-2.05849	0.041062	0.943444
cg09170112	chr12	1.32E+08	NOC4L	-0.36966	-2.06165	0.040756	0.943239
cg24732137	chr19	56988702	ZNF667-AS1;ZNF667;ZNF471;PEG3;ZNF542	0.269337	2.059771	0.040938	0.943239
cg13765621	chr1	1.58E+08		-0.19628	-2.05996	0.040919	0.943239
cg20727434	chr5	1.71E+08		0.300417	2.05916	0.040997	0.943239
cg08945988	chr1	1.1E+08		-0.19766	-2.0595	0.040964	0.943239

cg00941900	chr14	1.01E+08	EML1;DEGS2;MEG3	-0.31333	-2.05766	0.041143	0.943952
cg05516327	chr11	1470322		-0.27788	-2.05871	0.04104	0.943239
cg22678958	chr3	1.58E+08		-0.17559	-2.05954	0.04096	0.943239
cg26569914	chr2	2.4E+08		0.306799	2.059689	0.040946	0.943239
cg12498654	chr6	1.39E+08	ENSG00000220600	-0.16443	-2.06082	0.040836	0.943239
cg17822911	chr8	1.46E+08		-0.22972	-2.06013	0.040903	0.943239
cg00417147	chr12	1.26E+08	DHX37	0.30133	2.057365	0.041171	0.944081
cg11203714	chr6	31588231		-0.16059	-2.05688	0.041219	0.944104
cg13045266	chr8	1.11E+08		-0.25227	-2.05832	0.041078	0.943511
cg17313432	chr13	1.1E+08		-0.27912	-2.06369	0.04056	0.94273
cg12756521	chr8	1.31E+08		0.139905	2.058704	0.041041	0.943239
cg11916678	chr18	44141409		-0.19438	-2.0591	0.041003	0.943239
cg08204027	chr16	84224732		0.343842	2.059866	0.040928	0.943239
cg08694014	chr16	68482591		0.199087	2.057481	0.04116	0.943974
cg18557387	chr12	1.02E+08		-0.30548	-2.0592	0.040993	0.943239
cg00019877	chr9	1.16E+08		-0.31694	-2.05691	0.041215	0.944104
cg06984201	chr5	1510512		-0.23618	-2.06142	0.040779	0.943239
cg03175305	chr3	1.8E+08		0.165491	2.060574	0.04086	0.943239
cg16431233	chr17	61518244		0.245928	2.0579	0.041119	0.943854
cg24803030	chr11	62011966		0.211226	2.05893	0.041019	0.943239
cg16207347	chr12	31770712		-0.27303	-2.05941	0.040973	0.943239
cg11012061	chr5	1.46E+08		0.224107	2.059297	0.040984	0.943239
cg17355239	chr1	15736135		0.180359	2.065226	0.040412	0.942616
cg01007665	chr17	66243584	SNORA38B	0.172539	2.059559	0.040958	0.943239

cg21320768	chr13	50070766	CYSLTR2	0.239876	2.058159	0.041094	0.943646
cg12952736	chr7	1.28E+08		0.205373	2.059267	0.040987	0.943239
cg14616479	chr3	1.56E+08		-0.15897	-2.05887	0.041025	0.943239
cg20592766	chr2	1.1E+08		0.268166	2.057062	0.041201	0.944104
cg20675019	chr7	1.4E+08		-0.15369	-2.05914	0.040999	0.943239
cg16813507	chr10	98792053	SFRP5	-0.2629	-2.05982	0.040933	0.943239
cg22616933	chr7	86547833		-0.3331	-2.05788	0.041121	0.943854
cg22047825	chr15	99640892		-0.16026	-2.05815	0.041095	0.943646
cg16313910	chr5	1.57E+08	NIPAL4	-0.40036	-2.05986	0.040929	0.943239
cg08844035	chr3	48671337		-0.13926	-2.06047	0.04087	0.943239
cg15936385	chr11	2405835	IGF2;NAP1L4	-0.36116	-2.0598	0.040935	0.943239
cg12224131	chr2	1.61E+08		0.401344	2.059695	0.040945	0.943239
cg24806195	chr6	1.64E+08		0.329924	2.05789	0.04112	0.943854
cg07981448	chr10	95937216		-0.25578	-2.0597	0.040945	0.943239
cg17934367	chr7	91764186		0.118728	2.05663	0.041243	0.944305
cg23419885	chr5	1.4E+08		0.318601	2.059168	0.040996	0.943239
cg11039476	chr2	1.28E+08	MYO7B;LIMS2;BIN1;GPR17;GYPC	0.329062	2.06154	0.040767	0.943239
cg02783838	chr10	11248175		-0.21859	-2.05965	0.040949	0.943239
cg12653922	chr1	2.36E+08		-0.31511	-2.06058	0.040859	0.943239
cg10291005	chr7	70417419		-0.18128	-2.05835	0.041075	0.943511
cg01787494	chr8	27778850		-0.24559	-2.05704	0.041203	0.944104
cg08550435	chr4	23829879		0.299495	2.057992	0.04111	0.943797
cg21908796	chr3	39448086		-0.17667	-2.05743	0.041165	0.943993
cg27081821	chr19	8405337		0.210167	2.058418	0.041069	0.943511

cg24903794	chr1	2.2E+08		-0.1775	-2.06191	0.040731	0.943224
cg05881682	chr3	95402607		-0.29102	-2.06147	0.040773	0.943239
cg07015256	chr6	32800541		0.267097	2.058041	0.041105	0.94379
cg09258082	chr22	41791815		0.242815	2.060694	0.040848	0.943239
cg02885428	chr6	1.68E+08		-0.19955	-2.05507	0.041395	0.944336
cg06068627	chr3	1.56E+08		-0.21436	-2.05566	0.041337	0.944336
cg04660816	chr16	47178070		0.165251	2.058681	0.041043	0.943239
cg05217331	chr2	2.31E+08		-0.25418	-2.05752	0.041156	0.943966
cg22780428	chr1	1.12E+08		-0.20825	-2.05701	0.041206	0.944104
cg26634219	chr17	46608277	COPZ2;HOXB3	0.392383	2.058622	0.041049	0.943255
cg25601040	chr4	13540236		0.232696	2.057568	0.041151	0.943952
cg19767959	chr16	71460337		0.314888	2.058652	0.041046	0.943239
cg18604823	chr19	56687364		0.346931	2.059176	0.040995	0.943239
cg20978721	chr13	1.13E+08		0.359479	2.05732	0.041176	0.944104
cg04589027	chr6	30483956		-0.29167	-2.0618	0.040741	0.943234
cg03148461	chr7	1.41E+08		-0.2891	-2.05656	0.041249	0.944326
cg02135077	chr8	1.04E+08		-0.26548	-2.05743	0.041165	0.943993
cg22850234	chr17	66016097		-0.21259	-2.06113	0.040806	0.943239
cg26812615	chr12	1.17E+08		-0.35402	-2.05679	0.041227	0.944207
cg26706811	chr17	7452342		-0.12109	-2.05907	0.041005	0.943239
cg00666124	chr2	54756403		-0.27984	-2.05779	0.04113	0.943949
cg00055679	chr13	79170430		0.25667	2.056895	0.041217	0.944104
cg03820120	chr5	1.16E+08		-0.25003	-2.06014	0.040902	0.943239
cg19525602	chr19	18717742		-0.15749	-2.05876	0.041035	0.943239
cg24777950	chr14	25046121		-0.22864	-2.06223	0.0407	0.943224

cg14564956	chr6	33334602	HLA-DMA;TAPSAR1;HLA-DMB;HLA-DOA	-0.24732	-2.05557	0.041346	0.944336
cg08353308	chr6	90234227		0.223967	2.058337	0.041077	0.943511
cg07753939	chr16	2374515	ENSG00000269937	0.26771	2.05712	0.041195	0.944104
cg12904078	chr20	61719188	OSBPL2	-0.29318	-2.05806	0.041103	0.943789
cg15097422	chr3	13597750		0.260184	2.059731	0.040942	0.943239
cg06768437	chr17	28715545		0.229783	2.058688	0.041043	0.943239
cg03593669	chr6	1.22E+08		0.432007	2.057508	0.041157	0.943966
cg07669973	chr10	1.35E+08		-0.29742	-2.05667	0.041239	0.944305
cg11573707	chr4	3341937		0.258207	2.057605	0.041148	0.943952
cg19042287	chr6	1.08E+08		0.269502	2.056537	0.041252	0.944326
cg25291978	chr6	1.44E+08		0.296623	2.057124	0.041195	0.944104
cg19486048	chr8	1.42E+08		-0.16445	-2.05997	0.040919	0.943239
cg24753061	chr18	19752362		0.277063	2.056681	0.041238	0.944305
cg22409420	chr18	53255401		-0.18983	-2.05904	0.041009	0.943239
cg18081501	chr17	55121964		0.237772	2.058919	0.04102	0.943239
cg00826615	chr2	1.21E+08		-0.17129	-2.056	0.041304	0.944336
cg19864490	chr1	1.66E+08		0.175855	2.059655	0.040949	0.943239
cg05596383	chr1	47799304	CYP4Z2P	0.191687	2.056958	0.041211	0.944104
cg17423978	chr20	1539641		-0.26038	-2.05765	0.041143	0.943952
cg05378861	chr20	61803065		-0.27727	-2.05549	0.041354	0.944336
cg26288748	chr6	33257542		-0.18029	-2.05951	0.040963	0.943239
cg06197870	chr3	1.94E+08		-0.31118	-2.05816	0.041094	0.943646
cg11908384	chr11	1.23E+08		0.272028	2.059722	0.040942	0.943239

cg03823352	chr11	1E+08		-0.25749	-2.05934	0.04098	0.943239
cg26332534	chr10	92618063		-0.26652	-2.06122	0.040798	0.943239
cg18042079	chr17	30229074		-0.20952	-2.05855	0.041056	0.943361
cg24950233	chr4	1.74E+08		0.246181	2.063466	0.040581	0.942743
cg23968676	chr11	1.19E+08		0.178323	2.056027	0.041302	0.944336
cg16702774	chr17	77771036		-0.12204	-2.0576	0.041148	0.943952
cg04574507	chr1	1.58E+08	FCER1A	-0.26395	-2.0572	0.041187	0.944104
cg09345555	chr4	29119213		-0.23846	-2.05938	0.040976	0.943239
cg18022193	chr19	913536		-0.23582	-2.0588	0.041032	0.943239
cg12660364	chr7	44788915		-0.14261	-2.0554	0.041362	0.944336
cg08313539	chr6	1.27E+08	RSPO3	0.361608	2.057576	0.041151	0.943952
cg07161140	chr13	1.14E+08		-0.20087	-2.05712	0.041195	0.944104
cg09989681	chr11	1892043	C11orf21;TSPAN32;LSP1	0.207134	2.054974	0.041404	0.944336
cg10312841	chr16	85212827		-0.20221	-2.05763	0.041145	0.943952
cg09014626	chr5	2990194		0.376371	2.057627	0.041146	0.943952
cg22946562	chr2	1880012		-0.31751	-2.05564	0.04134	0.944336
cg18477166	chr2	19131738		0.3524	2.055598	0.041343	0.944336
cg12913429	chr14	73360857		0.216616	2.056251	0.04128	0.944336
cg15050310	chr11	86617582		0.421268	2.055109	0.041391	0.944336
cg09101958	chr16	31885118		-0.14783	-2.05672	0.041234	0.944305
cg08011335	chr16	84005393	HSDL1;MBTPS1;DNAAF1	0.247122	2.057853	0.041124	0.943855
cg20054852	chr7	1.27E+08		0.264864	2.0604	0.040877	0.943239
cg19240584	chr7	91538986		-0.16988	-2.05437	0.041464	0.944583
cg12726927	chr4	7941431		-0.21825	-2.05759	0.04115	0.943952

cg14175453	chr2	1.07E+08		-0.28247	-2.06035	0.040882	0.943239
cg22348298	chr8	17580950		0.313733	2.056339	0.041271	0.944336
cg03884018	chr16	26044240		0.223057	2.055182	0.041384	0.944336
cg00240734	chr6	1.18E+08		-0.17582	-2.05607	0.041298	0.944336
cg17185823	chr8	11324806		0.172851	2.05566	0.041337	0.944336
cg16577789	chr14	94186558	UNC79;PPP4R4;FAM181A-AS1;LGMN	-0.35239	-2.0535	0.041549	0.944583
cg03588970	chr6	1.08E+08		0.198123	2.054714	0.04143	0.944583
cg04299495	chr5	1.81E+08		-0.23951	-2.05945	0.040968	0.943239
cg03263637	chr8	1.24E+08		-0.28369	-2.05885	0.041027	0.943239
cg06035702	chr1	1.12E+08		0.219546	2.055766	0.041327	0.944336
cg07405259	chr10	1.34E+08		-0.27445	-2.05834	0.041076	0.943511
cg18175808	chr1	63786271		0.254502	2.057999	0.04111	0.943797
cg02185052	chr10	94452480		0.284141	2.057186	0.041189	0.944104
cg07100532	chr18	713085		0.680158	2.053961	0.041503	0.944583
cg21404045	chr7	27232412		-0.18997	-2.05538	0.041364	0.944336
cg06087185	chr6	29521499		0.461818	2.055168	0.041385	0.944336
cg06914693	chr12	1.04E+08		-0.2468	-2.05567	0.041336	0.944336
cg00079216	chr12	6716557		-0.19028	-2.05516	0.041386	0.944336
cg06753092	chr7	44795231	YKT6	-0.13432	-2.0583	0.04108	0.943511
cg18246640	chr10	1.12E+08	ADD3	-0.21151	-2.06066	0.040852	0.943239
cg00827008	chr16	35026985		0.327516	2.054173	0.041483	0.944583
cg13525333	chr11	1.17E+08		-0.14176	-2.05649	0.041256	0.944336
cg24401992	chr17	16838236		-0.26105	-2.0551	0.041392	0.944336

cg25356621	chr12	74686282		-0.30779	-2.0548	0.041421	0.944583
cg04172771	chr8	50892702		0.333355	2.056113	0.041293	0.944336
cg00434885	chr2	1.2E+08	DBI	-0.27673	-2.05603	0.041301	0.944336
cg21300382	chr19	13248092		-0.34455	-2.05405	0.041495	0.944583
cg07923666	chr12	49932857	RACGAP1;TUBA1C	-0.14794	-2.0584	0.041071	0.943511
cg20467929	chr17	72321958	FDXR;SLC9A3R1;MRPS7;SLC16A5;ICT1	0.340662	2.056239	0.041281	0.944336
cg05449108	chr17	114319		0.722494	2.055218	0.041381	0.944336
cg17338501	chr3	1.54E+08		-0.21737	-2.05524	0.041379	0.944336
cg01800297	chr5	1.13E+08		-0.2693	-2.05656	0.04125	0.944326
cg19304096	chr11	9629860		-0.17949	-2.05696	0.04121	0.944104
cg00956759	chr17	30023399		0.281111	2.057019	0.041205	0.944104
cg23027509	chr22	50964208		-0.1762	-2.05303	0.041594	0.944583
cg09982347	chr14	34825556		-0.20651	-2.05756	0.041152	0.943952
cg13946520	chr2	87017689		0.318439	2.055558	0.041347	0.944336
cg04112106	chr16	66972013		-0.16168	-2.05554	0.041349	0.944336
cg07513814	chr2	2.33E+08	B3GNT7	0.219131	2.056322	0.041273	0.944336
cg21512773	chr2	1.28E+08		0.212701	2.057876	0.041122	0.943854
cg08906030	chr16	88625292	PIEZO1	0.240322	2.059219	0.040991	0.943239
cg22785750	chr14	23067727		-0.17475	-2.05548	0.041355	0.944336
cg08651187	chr1	59726071		-0.19218	-2.05884	0.041028	0.943239
cg27525636	chr7	1.57E+08		-0.26166	-2.05569	0.041335	0.944336
cg27227100	chr3	51977385		-0.15925	-2.055	0.041402	0.944336
cg22882902	chr12	1.33E+08		0.254295	2.058187	0.041091	0.943646

cg16768018	chr3	1.47E+08		0.449997	2.055609	0.041342	0.944336
cg12032359	chr15	40986923		-0.13131	-2.05528	0.041375	0.944336
cg09123455	chr16	69362128	TANGO6;SNTB2	-0.32718	-2.05577	0.041327	0.944336
cg22700015	chr1	2.29E+08		-0.64745	-2.05356	0.041542	0.944583
cg03369807	chr4	94748860		0.214158	2.054623	0.041439	0.944583
cg21383891	chr17	33569747		0.153157	2.056144	0.04129	0.944336
cg26283098	chr17	10021690		0.229124	2.056966	0.04121	0.944104
cg03705962	chr7	1.12E+08		-0.34528	-2.0552	0.041383	0.944336
cg01530024	chr4	5458553		-0.34317	-2.05729	0.041179	0.944104
cg08502511	chr3	37439796		0.248165	2.054494	0.041451	0.944583
cg00666849	chr2	85839032		-0.21894	-2.0551	0.041392	0.944336
cg08838364	chr16	89884347		-0.26207	-2.05457	0.041443	0.944583
cg20203915	chr3	1.88E+08	MASP1	-0.1574	-2.05571	0.041333	0.944336
cg02976617	chr5	1.03E+08	NUDT12	0.610299	2.054377	0.041463	0.944583
cg22620414	chr3	10806133		0.258946	2.05499	0.041403	0.944336
cg17137063	chr1	6554877		-0.13981	-2.05694	0.041212	0.944104
cg20809378	chr11	43569555		0.396726	2.055022	0.0414	0.944336
cg26813096	chr1	2.3E+08		-0.23903	-2.05538	0.041364	0.944336
cg20430077	chr10	1.03E+08		0.266189	2.05435	0.041465	0.944583
cg25952886	chr17	31320651		0.22301	2.054645	0.041437	0.944583
cg06552618	chr12	54582532		0.234056	2.054175	0.041483	0.944583
cg07291601	chr11	2922807	MRPL23;CARS;ENSG00000255367;IGF2	0.369834	2.057156	0.041192	0.944104
cg13982446	chr9	1.41E+08		-0.18203	-2.05448	0.041452	0.944583

cg02099390	chr3	31959312		0.341493	2.053251	0.041573	0.944583
cg04097219	chr5	1.43E+08		0.206194	2.061881	0.040734	0.943224
cg03308706	chr7	91763433		0.149988	2.055152	0.041387	0.944336
cg10478221	chr16	679917		-0.19743	-2.05253	0.041644	0.944853
cg14152139	chr19	22469368		0.265827	2.05365	0.041534	0.944583
cg06968688	chr17	80228520		0.159956	2.055789	0.041325	0.944336
cg19237923	chr1	1.57E+08		0.263581	2.05199	0.041697	0.945186
cg26097573	chr20	4721490		0.354179	2.056428	0.041262	0.944336
cg06852605	chr17	76422640		-0.27363	-2.05411	0.041489	0.944583
cg06814944	chr3	8702782	LMCD1	0.186513	2.053957	0.041504	0.944583
cg13362637	chr5	1.5E+08		-0.3214	-2.05334	0.041564	0.944583
cg01004918	chr1	2731370		-0.2314	-2.05453	0.041447	0.944583
cg02720207	chr10	69644399		0.165394	2.055597	0.041344	0.944336
cg27370461	chr11	1.12E+08	ENSG00000255428	-0.16504	-2.05517	0.041385	0.944336
cg09548241	chr1	33172509	LCK;MARCKSL1	0.258635	2.055316	0.041371	0.944336
cg17751414	chr1	1.86E+08		-0.36033	-2.05344	0.041555	0.944583
cg02898423	chr4	1.89E+08		-0.20413	-2.05679	0.041227	0.944207
cg25691927	chr17	80571664	WDR45B;TBCD	-0.33731	-2.06011	0.040905	0.943239
cg06966811	chr14	57276789		0.282067	2.052182	0.041678	0.945012
cg17461003	chr2	1.02E+08		-0.29694	-2.05329	0.041569	0.944583
cg13979066	chr1	25757282		0.204388	2.053591	0.04154	0.944583
cg26865127	chr12	51785378		-0.14582	-2.05425	0.041476	0.944583
cg23630758	chr17	78857712		-0.30631	-2.05321	0.041577	0.944583
cg13529335	chr9	2157942		0.160837	2.053491	0.04155	0.944583
cg01649497	chr8	2585235		0.574547	2.052743	0.041623	0.944709

cg08482359	chr7	622834		0.304645	2.053651	0.041534	0.944583
cg02273827	chr5	35938675		0.288159	2.055781	0.041326	0.944336
cg12146546	chr17	6616883		0.155823	2.055045	0.041397	0.944336
cg26963272	chr18	77462296		0.214295	2.055727	0.041331	0.944336
cg00937510	chr5	87565469		0.380319	2.052853	0.041612	0.944618
cg09187163	chr7	72721838	TBL2;EIF4H	-0.19622	-2.05382	0.041517	0.944583
cg14186779	chr9	1.39E+08	PMPCA	-0.19986	-2.05289	0.041609	0.944618
cg07244098	chr11	4415203		0.294598	2.056652	0.041241	0.944305
cg03356537	chr13	1.13E+08	ADPRHL1;ATP11A;DCUN1D2;TUBGCP3	0.446264	2.055119	0.04139	0.944336
cg01415903	chr7	1.56E+08	RNF32	-0.21345	-2.05496	0.041405	0.944336
cg00501869	chr7	1.58E+08		0.344198	2.055408	0.041362	0.944336
cg13967424	chr8	81180599	PAG1	-0.2353	-2.05307	0.041591	0.944583
cg08856333	chr17	76510915		0.233646	2.053421	0.041556	0.944583
cg03998476	chr20	56884536		-0.18444	-2.05308	0.04159	0.944583
cg17015575	chr5	1.4E+08		-0.19074	-2.05308	0.041589	0.944583
cg07116393	chr1	20834843		0.276764	2.052917	0.041606	0.944618
cg24952102	chr11	93062752		-0.36154	-2.05366	0.041533	0.944583
cg00796793	chr5	1.81E+08		-0.25045	-2.05444	0.041457	0.944583
cg08860287	chr16	87877848	SLC7A5	-0.19877	-2.05163	0.041732	0.945236
cg05733917	chr4	3251225		-0.22405	-2.05523	0.04138	0.944336
cg02022425	chr5	1.75E+08		0.25328	2.052699	0.041627	0.944709
cg13508391	chr12	3068378		-0.14222	-2.05653	0.041253	0.944326
cg15805553	chr17	58156359		-0.27762	-2.05227	0.041669	0.945012

cg15136953	chr3	1.11E+08		-0.26075	-2.05554	0.041349	0.944336
cg01356463	chr12	1.12E+08		-0.19033	-2.0543	0.04147	0.944583
cg10939667	chr6	1.52E+08		0.244912	2.053037	0.041594	0.944583
cg26283170	chr11	1.33E+08		0.260877	2.054433	0.041457	0.944583
cg01909024	chr1	26195345		-0.27231	-2.05377	0.041522	0.944583
cg21761427	chr6	28220064	SCAND3	0.218748	2.05457	0.041444	0.944583
cg07363137	chr5	76923737	F2RL1;AGGF1	0.298907	2.053246	0.041574	0.944583
cg03121538	chr16	30017856		-0.25733	-2.05437	0.041463	0.944583
ch.17.79071R	chr17	1717862		0.287784	2.05377	0.041522	0.944583
cg01947949	chr4	1004445		-0.1793	-2.05514	0.041388	0.944336
cg02096396	chr2	26395556		-0.18071	-2.05431	0.041469	0.944583
cg07750706	chr6	1.44E+08		-0.12017	-2.0542	0.041481	0.944583
cg14665845	chr11	33183263		0.249817	2.052793	0.041618	0.944665
cg02778523	chr7	55467670		0.294389	2.052332	0.041663	0.944954
cg00290626	chr8	1.32E+08		-0.20247	-2.05208	0.041688	0.945088
cg08610741	chr1	65886304		0.178259	2.053461	0.041553	0.944583
cg22665383	chr11	55339961		-0.29209	-2.05322	0.041576	0.944583
cg17092349	chr3	49058272	FBXW12	-0.34118	-2.05407	0.041493	0.944583
cg02531227	chr12	1.29E+08		0.338816	2.055087	0.041393	0.944336
cg02317299	chr17	1390182	SLC43A2;HIC1;PITPNA;ENSG00000262003;MYO1C	0.299908	2.058665	0.041045	0.943239
cg24378421	chr8	11141365		0.256364	2.052427	0.041654	0.944864
cg24500711	chr21	31799091		-0.27383	-2.05296	0.041602	0.944618
cg14552106	chr9	96710915		0.213779	2.052718	0.041625	0.944709

cg26758863	chr19	57752111	ZNF606;ENSG00000176593	-0.16298	-2.054	0.041499	0.944583
cg15659052	chr7	37438819	ANLN;EPDR1	-0.27857	-2.05251	0.041646	0.944853
cg14322427	chr6	1.11E+08	AMD1	0.183211	2.055426	0.04136	0.944336
cg00639615	chr15	89786496		0.455785	2.051192	0.041776	0.945236
cg02530222	chr9	1.34E+08	EXOSC2	0.26386	2.056239	0.041281	0.944336
cg12392104	chr15	55665153		-0.39589	-2.05552	0.041351	0.944336
cg03309328	chr12	99525864	SNORA53;IKBIP;SLC25A3	-0.29959	-2.05319	0.041579	0.944583
cg06716283	chr19	45504390		0.298218	2.053507	0.041548	0.944583
cg20309677	chr1	1.17E+08		-0.21261	-2.05533	0.04137	0.944336
cg22510768	chr22	28314561		-0.23974	-2.05218	0.041678	0.945012
cg08815398	chr12	65218869	TBC1D30;WIF1;SRGAP1	-0.21756	-2.05324	0.041574	0.944583
cg21186449	chr3	68057322		-0.15908	-2.05423	0.041477	0.944583
cg07050616	chr10	1.03E+08		0.240183	2.053663	0.041533	0.944583
cg05180153	chr19	11039414		-0.19666	-2.05512	0.04139	0.944336
cg15793563	chr11	910950		-0.20203	-2.05261	0.041636	0.944853
cg07922843	chr1	92083173	RPAP2;GLMN	0.295878	2.05384	0.041515	0.944583
cg20930487	chr1	53542934		0.146781	2.052454	0.041651	0.944853
cg07917478	chr1	1.8E+08		-0.22557	-2.05354	0.041545	0.944583
cg02503933	chr8	90770146		-0.15972	-2.05139	0.041756	0.945236
cg04409618	chr4	1224633		0.28534	2.053108	0.041587	0.944583
cg05580671	chr8	38006196		-0.28685	-2.05484	0.041418	0.944565
cg00492873	chr1	35247496	CSMD2	0.331969	2.052145	0.041682	0.94504
cg14468658	chr5	1.41E+08		0.318517	2.055818	0.041322	0.944336

cg20401252	chr2	5834062		0.312817	2.051475	0.041748	0.945236
cg05096756	chr10	50143517	FRMPD2;PTPN20CP	0.33928	2.057132	0.041194	0.944104
cg15803972	chr2	1.71E+08		0.182534	2.053541	0.041545	0.944583
cg27239842	chr4	2403781		0.317141	2.052098	0.041686	0.945088
cg19452739	chr21	35738859		0.301111	2.050695	0.041824	0.945243
cg22870775	chr6	99277015		0.284465	2.053963	0.041503	0.944583
cg09351254	chr2	2.42E+08		-0.18494	-2.05047	0.041846	0.945309
cg17452183	chr10	1.34E+08		-0.27631	-2.05246	0.041651	0.944853
cg20817175	chr1	11107306		-0.19345	-2.05543	0.04136	0.944336
cg02846963	chr4	1.82E+08		-0.37438	-2.05032	0.041862	0.945439
cg23662323	chr19	15251097	ENSG00000267056	-0.25895	-2.05341	0.041558	0.944583
cg02775129	chr4	1.2E+08		-0.41481	-2.05317	0.041581	0.944583
cg22027267	chr7	51544518		-0.28259	-2.05296	0.041601	0.944618
cg19643344	chr1	2.36E+08		0.138351	2.053098	0.041588	0.944583
cg03978067	chr8	1.45E+08		0.336074	2.063301	0.040597	0.942892
cg08078058	chr19	41307140	CYP2A13	0.362601	2.052197	0.041677	0.945012
cg13040418	chr8	1.16E+08		0.295768	2.055633	0.04134	0.944336
cg00342313	chr22	42074919	MEI1	0.226233	2.054177	0.041482	0.944583
cg00744866	chr3	33701209	CCR4	0.40133	2.049919	0.041901	0.945534
cg23949542	chr5	1.79E+08		-0.22989	-2.0569	0.041217	0.944104
cg01549940	chr6	1.43E+08		0.32237	2.053788	0.04152	0.944583
cg17932836	chr2	2.33E+08		-0.1565	-2.05279	0.041619	0.944665
cg14556243	chr9	1.28E+08		-0.31455	-2.05377	0.041522	0.944583
cg05487507	chr17	46671861	TTLL6	0.216429	2.049495	0.041943	0.945538

cg04413879	chr7	99904875		-0.17777	-2.05034	0.041859	0.945439
cg04625975	chr10	44285864	CXCL12;RASGEF1A	-0.38137	-2.05095	0.0418	0.945236
cg23685870	chr1	1.45E+08	PIAS3	0.283074	2.049997	0.041893	0.94549
cg16723488	chr2	21266947		0.231221	2.050261	0.041867	0.945455
cg01783101	chr7	1.18E+08		0.520595	2.051748	0.041721	0.945236
cg14256136	chr10	74856824		-0.16567	-2.05176	0.04172	0.945236
cg14431443	chr12	1.15E+08		0.156804	2.049993	0.041894	0.94549
cg03877680	chr5	1.78E+08		-0.14165	-2.05145	0.04175	0.945236
cg24124079	chr8	1150340	TDRP	-0.33244	-2.05083	0.041811	0.945236
cg12465010	chr10	11909982		0.316812	2.053351	0.041563	0.944583
cg14323675	chr9	17907018		0.313968	2.049699	0.041923	0.945538
cg06884470	chr14	92785924		-0.2717	-2.05156	0.04174	0.945236
cg16696648	chr1	17382130		-0.21365	-2.05093	0.041801	0.945236
cg12641434	chr10	1.06E+08		-0.14855	-2.05135	0.04176	0.945236
cg24874173	chr1	1.45E+08		0.360026	2.053858	0.041514	0.944583
cg18449135	chr19	48833062		-0.30374	-2.05165	0.041731	0.945236
cg04073913	chr19	58596723		0.246077	2.048893	0.042002	0.945641
cg23455517	chr19	49315679		0.24686	2.050932	0.041801	0.945236
cg16772023	chr10	1308866		0.352598	2.052039	0.041692	0.945126
cg10545536	chr3	45635693		0.159664	2.052852	0.041612	0.944618
cg04099705	chr16	1397981		-0.44524	-2.05067	0.041827	0.945243
cg00336291	chr3	1.27E+08	CCDC37	-0.16804	-2.04947	0.041946	0.945538
cg06198335	chr9	1.37E+08		-0.16967	-2.05153	0.041742	0.945236
cg05642143	chr6	42928409		0.269134	2.0494	0.041952	0.945538
cg26857911	chr19	18063041		0.150493	2.054509	0.04145	0.944583

cg03455644	chr2	67516852		-0.28581	-2.05546	0.041357	0.944336
cg17590805	chr11	1.29E+08		-0.22402	-2.05225	0.041672	0.945012
cg13540256	chr3	44597153		0.343934	2.050387	0.041855	0.945405
cg15047660	chr5	1.72E+08		0.185913	2.050086	0.041885	0.94549
cg22934935	chr6	1.3E+08		-0.22543	-2.05139	0.041756	0.945236
cg00697880	chr3	31883601		0.246313	2.048943	0.041998	0.945636
cg08060718	chr2	2.42E+08		-0.39653	-2.04933	0.04196	0.945538
cg03129853	chr11	93862749		0.138294	2.051235	0.041771	0.945236
cg01002560	chr7	16460779		-0.24735	-2.05106	0.041789	0.945236
cg14973369	chr3	1.95E+08		-0.20987	-2.05339	0.04156	0.944583
cg13460467	chr9	1.32E+08		-0.15652	-2.05309	0.041589	0.944583
cg09625946	chr12	1.33E+08		-0.19084	-2.05181	0.041715	0.945236
cg23641158	chr19	18043661		-0.1763	-2.05002	0.041891	0.94549
cg26960083	chr7	1.43E+08	GSTK1	-0.33312	-2.05194	0.041702	0.945196
cg14616369	chr5	1.79E+08		-0.26618	-2.04961	0.041932	0.945538
cg07591186	chr17	41178024		0.23086	2.050722	0.041822	0.945243
cg06567920	chr4	1.3E+08	INTU;JADE1	-0.31025	-2.04974	0.041919	0.945538
cg23051559	chr11	1.19E+08		0.292692	2.049439	0.041949	0.945538
cg27567430	chr5	1.76E+08		0.291894	2.04942	0.04195	0.945538
cg03060802	chr8	75234078		-0.19691	-2.05093	0.041802	0.945236
cg09546907	chr7	1.37E+08		0.42127	2.050962	0.041798	0.945236
cg03796781	chr6	1.38E+08		0.207519	2.051598	0.041736	0.945236
cg05827346	chr20	48732560		-0.16195	-2.05363	0.041536	0.944583
cg13372456	chr5	1.54E+08		0.306374	2.053369	0.041562	0.944583
cg08172057	chr1	43919477		-0.18088	-2.04801	0.04209	0.94586

cg24342270	chr1	8021811		-0.17354	-2.05141	0.041754	0.945236
cg24643381	chr12	43941378		-0.36965	-2.0511	0.041785	0.945236
cg09791621	chr16	1078722	IFT140;NHLRC4;CCDC78;ENSG00000261659;ENSG00000196674;HN1L;HS3ST6;BAIAP3;METRN;HAGH;HAGHL	-0.34096	-2.05048	0.041845	0.945309
cg00745693	chr7	1136023	HEATR2;PSMG3-AS1	0.307114	2.052319	0.041665	0.944954
cg03895159	chr3	1.83E+08		0.379459	2.051501	0.041745	0.945236
cg00766421	chr6	83902931		-0.1875	-2.04941	0.041951	0.945538
cg18733255	chr17	39942970		0.312082	2.049501	0.041942	0.945538
cg23199815	chr5	1.77E+08		-0.34137	-2.05248	0.041649	0.944853
cg11853788	chr1	1.8E+08		0.29502	2.050811	0.041813	0.945236
cg10629806	chr8	1.41E+08		-0.24681	-2.04864	0.042027	0.945748
cg15022739	chr18	34823045	MOCOS	-0.27487	-2.0518	0.041716	0.945236
cg14643039	chr5	1.54E+08		0.178822	2.050777	0.041816	0.945236
cg15677989	chr1	32208487	MTMR9LP	0.161679	2.054699	0.041431	0.944583
cg23202316	chr17	33447048		-0.28649	-2.05079	0.041815	0.945236
cg26993105	chr7	1.52E+08		0.276125	2.051958	0.0417	0.945196
cg04138253	chr14	1.03E+08		-0.20249	-2.04946	0.041947	0.945538
cg01140395	chr15	52570565		0.270458	2.052473	0.041649	0.944853
cg04615716	chr16	69364337		-0.13877	-2.04832	0.04206	0.945828
cg14866567	chr3	1.49E+08		-0.30822	-2.05145	0.04175	0.945236

cg11502921	chr1	31567962		-0.19953	-2.05087	0.041807	0.945236
cg16960943	chr2	2.36E+08		-0.24018	-2.04936	0.041957	0.945538
cg00071161	chr6	44117573		0.1634	2.050068	0.041886	0.94549
cg26148059	chr6	33256755		-0.15016	-2.04898	0.041994	0.945636
cg20397543	chr6	53214211		0.228463	2.049377	0.041955	0.945538
cg00926657	chr17	79880822		-0.27478	-2.05111	0.041783	0.945236
cg17860174	chr5	1.22E+08		0.221687	2.053696	0.041529	0.944583
cg12502751	chr5	1.72E+08		-0.27468	-2.05116	0.041779	0.945236
cg25559100	chr20	524528	SDCBP2-AS1;SIRPB2	-0.17838	-2.05235	0.041661	0.944954
cg02401132	chr6	19805404		0.222717	2.050186	0.041875	0.945462
cg23679471	chr10	1.02E+08		0.300982	2.0488	0.042012	0.945649
cg24039394	chr8	55294823		0.319211	2.051787	0.041717	0.945236
cg24632646	chr5	506343	SLC9A3;ENSG00000188242;LPCAT1;CEP72	0.327255	2.05071	0.041823	0.945243
cg05847772	chr11	1.18E+08		0.193649	2.051501	0.041745	0.945236
cg15244049	chr6	10883376		0.299451	2.053593	0.04154	0.944583
cg13551814	chr20	45280276		0.239129	2.050209	0.041872	0.945462
cg11842415	chr1	75599667		0.325532	2.047824	0.042108	0.945934
cg02144389	chr15	45434285		-0.25767	-2.05097	0.041797	0.945236
cg25005357	chr15	57426631		-0.32143	-2.05089	0.041805	0.945236
cg27523882	chr12	57634665	MARS;AGAP2	-0.2329	-2.04883	0.042009	0.945642
cg08498787	chr11	57250780		-0.23274	-2.05303	0.041595	0.944583
cg26266427	chr6	32063838	C4A;ENSG00000225914	0.38286	2.049096	0.041982	0.945538

cg11812775	chr17	42785944		-0.16801	-2.05097	0.041798	0.945236
cg23463077	chr5	1.4E+08		0.156084	2.049239	0.041968	0.945538
cg15766571	chr19	12845030		-0.18926	-2.0494	0.041953	0.945538
cg04881814	chr17	50236572		0.262013	2.04916	0.041976	0.945538
cg12989104	chr16	48645051		0.24394	2.049126	0.041979	0.945538
cg08322244	chr17	8066669		0.467752	2.05004	0.041889	0.94549
cg07869795	chr22	45809375		0.329187	2.04873	0.042019	0.945748
cg13364075	chr7	1.57E+08		-0.22427	-2.0485	0.042041	0.945748
cg14661159	chr4	1769337		-0.14986	-2.04902	0.04199	0.945633
cg04109359	chr3	15110794		0.235686	2.049196	0.041973	0.945538
cg22416051	chr7	1.57E+08		-0.22413	-2.0499	0.041903	0.945534
cg15234271	chr19	35531411	CD22;HCST;FXYD5	0.207547	2.051208	0.041774	0.945236
cg10900533	chr19	918273		-0.22352	-2.04972	0.04192	0.945538
cg07453440	chr18	11948154		-0.50662	-2.04901	0.041991	0.945633
cg14450506	chr7	44614519		0.188916	2.050781	0.041816	0.945236
cg02247183	chr16	4664062		-0.15282	-2.04743	0.042147	0.94602
cg24494556	chr10	43134100		-0.15824	-2.05053	0.04184	0.945309
cg04980478	chr16	87585801		-0.19239	-2.04853	0.042038	0.945748
cg11234328	chr10	1.35E+08		0.214157	2.047824	0.042108	0.945934
cg21244086	chr15	45479462	B2M;TRIM69;DUOX2;SQRDL	0.22415	2.050849	0.041809	0.945236
cg08059112	chr19	2294887	GNA15	0.290322	2.047639	0.042127	0.94602
cg05145233	chr16	89169858		-0.24983	-2.05379	0.04152	0.944583
cg14947666	chr19	16293592	HSH2D	0.273799	2.049193	0.041973	0.945538
cg05061107	chr11	64532875	ENSG00000256481	-0.24607	-2.04983	0.041909	0.945538

cg13955931	chr2	92162790	ENSG00000143429	0.251587	2.049355	0.041957	0.945538
cg04759187	chr10	548964		-0.16087	-2.04845	0.042046	0.945748
cg15819717	chr12	54393100		0.31948	2.048418	0.04205	0.945748
cg26530971	chr8	1.11E+08		-0.19464	-2.04822	0.042069	0.94586
cg21891967	chr9	98075492		0.277584	2.046304	0.042259	0.946231
cg20283964	chr1	1.72E+08		-0.23568	-2.05373	0.041526	0.944583
cg21007213	chr22	50655367		-0.29243	-2.05104	0.04179	0.945236
cg04174226	chr2	1.62E+08	FAP	-0.1542	-2.04738	0.042152	0.94602
cg26538590	chr16	66583820	ZDHHC1	0.135225	2.048039	0.042087	0.94586
cg06382698	chr2	54015232	EML6	-0.27532	-2.04754	0.042136	0.94602
cg11688548	chr12	1489532		-0.28408	-2.05158	0.041737	0.945236
cg02625694	chr20	60473786		0.169706	2.047931	0.042098	0.945895
cg18384060	chr10	89622943		-0.25336	-2.04912	0.04198	0.945538
cg21648401	chr1	2.2E+08		-0.2925	-2.04727	0.042163	0.94602
cg25400396	chr19	58400559	ZNF154;ZNF418;ZIK1;ZNF551;ZNF419;ZNF549;ZNF17;ZNF671;ZNF134;ZNF584	0.294456	2.050111	0.041882	0.94549
cg00919921	chr10	465584		0.22694	2.047887	0.042102	0.945934
cg19643467	chr22	32651246		-0.22861	-2.0503	0.041863	0.945439
cg20716174	chr15	58766885		-0.20379	-2.05111	0.041783	0.945236
cg19057986	chr17	46802871		0.251915	2.04868	0.042024	0.945748
cg07475922	chr19	10122694		-0.26681	-2.05049	0.041844	0.945309
cg02340846	chr8	87526741		-0.15791	-2.0506	0.041834	0.945309

cg17656763	chr12	65927079	WIF1;TBC1D30	-0.44208	-2.04919	0.041973	0.945538
cg08149251	chr15	65495470		-0.14271	-2.04816	0.042075	0.94586
cg05221385	chr11	6633504		0.154845	2.047416	0.042149	0.94602
cg17933206	chr2	2.35E+08		-0.21639	-2.05025	0.041868	0.945455
cg03326943	chr19	3761759		-0.16514	-2.04798	0.042092	0.94586
cg25655978	chr7	73819587		0.379865	2.04695	0.042195	0.946105
cg02743713	chr2	1.57E+08		0.324363	2.049943	0.041899	0.945534
cg23338408	chr14	31289523		-0.2599	-2.0514	0.041755	0.945236
cg23969506	chr13	21287304		0.242633	2.04763	0.042128	0.94602
cg19585597	chr5	1.5E+08		0.414039	2.049698	0.041923	0.945538
cg19761262	chr17	26220474		0.192822	2.048295	0.042062	0.945828
cg24592751	chr4	1.4E+08		-0.29012	-2.04937	0.041956	0.945538
cg17494408	chr2	1500368		-0.19984	-2.04839	0.042053	0.945748
cg20226151	chr7	56019579	EGFR-AS1	-0.1437	-2.05053	0.041841	0.945309
cg25369184	chr6	26239995		0.323406	2.048692	0.042022	0.945748
cg17299899	chr18	76738478		0.208214	2.049352	0.041957	0.945538
cg16280399	chr6	16705528		-0.30614	-2.0474	0.04215	0.94602
cg09548403	chr1	2.33E+08		-0.29008	-2.04887	0.042005	0.945641
cg07679836	chr6	33548423	TAPSAR1;TAP1;PSMB9;TAPBP;HLA-DMA	-0.27415	-2.04808	0.042083	0.94586
cg20478129	chr14	27067372		0.384682	2.049991	0.041894	0.94549
cg01456151	chr16	49311736		0.254128	2.045592	0.04233	0.946231
cg20439101	chr5	56115499		-0.2562	-2.05157	0.041738	0.945236
cg22593633	chr10	180465		0.263812	2.049117	0.04198	0.945538

cg22694271	chr1	1.1E+08	AMPD2	0.257222	2.050662	0.041828	0.945243
cg25148771	chr4	2936127		-0.17694	-2.04638	0.042252	0.946231
cg25041148	chr19	58838420		-0.11832	-2.04853	0.042038	0.945748
cg25045113	chr17	8702099	PIK3R5;NTN1;MFSD6L;MYH10	0.254242	2.046906	0.0422	0.946105
cg26386624	chr12	54366859		0.290136	2.052519	0.041645	0.944853
cg19981796	chr19	7928066		0.234678	2.046846	0.042205	0.946105
cg18327583	chr10	1118549		-0.34923	-2.047	0.04219	0.946105
cg01713348	chr16	1480790	HN1L;HAGH;HS3ST6;NHLRC4;IFT140;JMJD8	-0.20083	-2.04859	0.042033	0.945748
cg22322184	chr19	7734203	MYO1F;PRAM1	-0.21297	-2.05167	0.041728	0.945236
cg21526173	chr19	12034591		0.220808	2.048492	0.042042	0.945748
cg07262395	chr10	1.12E+08		0.430458	2.045464	0.042343	0.946231
cg05670004	chr10	1.35E+08		0.385553	2.04853	0.042038	0.945748
cg03115379	chr6	28921288		-0.28569	-2.04894	0.041998	0.945636
cg06632732	chr17	17035777		0.227392	2.045676	0.042322	0.946231
cg08917795	chr16	56716597		0.278125	2.047372	0.042153	0.94602
cg08004073	chr3	1.69E+08	MECOM	-0.42021	-2.04768	0.042123	0.94602
cg23718418	chr6	33377739		-0.26705	-2.04677	0.042213	0.946105
cg25657218	chr17	22017062		-0.42855	-2.04742	0.042148	0.94602
cg18881247	chr2	1.57E+08		-0.17637	-2.05018	0.041875	0.945462

cg01947482	chr14	1.06E+08	C14orf79;ADSSL1;INF2;IGHV3-23;IGHV3-21;JAG2;CRIP1;IGHV3-7;CDCA4;TMEM121;IGHV3-15;IGHA2	0.612127	2.050558	0.041838	0.945309
cg19371339	chr1	1.53E+08		-0.35212	-2.04654	0.042236	0.946219
cg05371867	chr17	57784854		-0.20417	-2.05134	0.041761	0.945236
cg07609862	chr11	92702912		0.470366	2.047379	0.042153	0.94602
cg12664119	chr1	1.2E+08		0.218806	2.048847	0.042007	0.945642
cg00223703	chr2	2.34E+08	SCARNA5;SCARNA6;ATG16L1	0.208339	2.047513	0.042139	0.94602
cg15943396	chr5	1.59E+08		-0.24058	-2.04645	0.042244	0.946231
cg14612294	chr1	1.65E+08		-0.21593	-2.04938	0.041954	0.945538
cg03879160	chr2	1.74E+08	DYNC1I2;ITGA6	-0.27538	-2.04644	0.042246	0.946231
cg10550693	chr11	64902189		-0.17765	-2.04786	0.042105	0.945934
cg04205193	chr1	12079676		0.144903	2.04769	0.042122	0.94602
cg12655437	chr18	45275903		0.283979	2.052876	0.04161	0.944618
cg18094221	chr3	49448445		-0.29275	-2.04654	0.042236	0.946219
cg04338871	chr11	70002333	CTTN	-0.23502	-2.05105	0.041789	0.945236
cg07407499	chr11	47470791	PTPRJ	-0.20593	-2.04811	0.04208	0.94586
cg05137443	chr6	33094069		-0.50691	-2.04621	0.042268	0.946231
cg02716776	chr19	3178413	ZFR2;S1PR4	-0.56435	-2.04469	0.04242	0.946266
cg11460723	chr21	46359716		-0.15035	-2.04585	0.042305	0.946231
cg20281729	chr6	31635914		0.278593	2.046297	0.04226	0.946231

cg04819351	chr15	36872220		0.309558	2.047101	0.04218	0.94602
cg00660163	chr1	1.56E+08		0.156624	2.050412	0.041852	0.9454
cg26174880	chr2	3489916		-0.30539	-2.04939	0.041954	0.945538
cg26560110	chr6	28603161		0.285497	2.047197	0.042171	0.94602
cg01823718	chr11	24015048		-0.36574	-2.04924	0.041968	0.945538
cg04255416	chr5	57878497		0.241965	2.047969	0.042094	0.94586
cg24409677	chr11	2019655	KCNQ1OT1	0.100473	2.045507	0.042339	0.946231
cg09068086	chr2	1.11E+08		-0.54053	-2.04558	0.042331	0.946231
cg17239478	chr6	23955726		-0.24767	-2.0491	0.041982	0.945538
cg22950223	chr7	1403628	CYP2W1;PDGFA	-0.27743	-2.04715	0.042176	0.94602
cg05783449	chr2	64868710		-0.28227	-2.04811	0.04208	0.94586
cg09745087	chr2	1.13E+08		-0.1843	-2.04688	0.042202	0.946105
cg27321750	chr22	45148218	FBLN1;ENSG00000226328;NUP50;ENSG00000238120;EFCAB6;RIBC2;ENSG00000273243;PARVB	-0.24369	-2.05164	0.041731	0.945236
cg17906873	chr3	1.29E+08		-0.23551	-2.04464	0.042425	0.946266
cg15772712	chr22	41843233		0.171893	2.045831	0.042306	0.946231
cg01519784	chr19	36450896		0.395871	2.046129	0.042277	0.946231
cg08747676	chr16	1148056	NME4;TMEM204;UNKL;CLCN7;SOX8	-0.21133	-2.04565	0.042325	0.946231
cg04320044	chr16	2512503	ENSG00000262118	0.17725	2.046215	0.042268	0.946231
cg10219833	chr5	1.08E+08		-0.15594	-2.04846	0.042045	0.945748

cg02804144	chr2	1.86E+08		0.246562	2.046002	0.042289	0.946231
cg20300032	chr12	12186105		0.281541	2.045264	0.042363	0.946266
cg24085522	chr18	11849055		0.257411	2.046677	0.042222	0.946105
cg26841383	chr13	97999364		0.286141	2.044447	0.042444	0.946266
cg06515111	chr10	1.18E+08		-0.27755	-2.04524	0.042365	0.946266
cg04165720	chr19	7677604		0.310063	2.047245	0.042166	0.94602
cg17567602	chr2	1.07E+08	C2orf40;TGFBRAP1	0.282533	2.048423	0.042049	0.945748
cg26883434	chr5	1.11E+08		0.324907	2.045893	0.0423	0.946231
cg00863007	chr7	28319676		0.402287	2.045351	0.042354	0.946266
cg15206062	chr17	952254		0.222558	2.046125	0.042277	0.946231
cg15038672	chr6	28831858		0.203751	2.0469	0.0422	0.946105
cg17229173	chr5	67483875		0.476507	2.04668	0.042222	0.946105
cg22909042	chr17	17994408		0.232871	2.048228	0.042068	0.94586
cg02086174	chr14	90358168		-0.23735	-2.04732	0.042159	0.94602
cg07507257	chr18	21112105		0.246889	2.044605	0.042429	0.946266
cg24193339	chr22	43583738		-0.13849	-2.04729	0.042162	0.94602
cg11952344	chr17	80398854	SLC25A10;WDR45B	0.253168	2.048191	0.042072	0.94586
cg03433758	chr15	91073105		-0.15597	-2.04671	0.042219	0.946105
cg05887092	chr17	76393375	TNRC6C;CYTH1;TK1;SYNGR2;ENSG00000267506;C1QTNF1	0.309582	2.047337	0.042157	0.94602
cg16592709	chr8	1831484		-0.30747	-2.04433	0.042456	0.946266
cg07021502	chr8	64078053		0.257864	2.047068	0.042183	0.946028

cg00460911	chr2	1.81E+08		-0.23195	-2.04439	0.04245	0.946266
cg12794469	chr3	1.22E+08		0.178733	2.047158	0.042174	0.94602
cg20326704	chr10	70321770	TSPAN15	0.356127	2.046096	0.04228	0.946231
cg19114570	chr8	1.02E+08		0.184432	2.047405	0.04215	0.94602
cg04229851	chr4	7434754		-0.17559	-2.0471	0.04218	0.94602
cg14256699	chr17	41836026		0.236271	2.0458	0.04231	0.946231
cg20367521	chr6	1.38E+08	KIAA1244;ENSG00000237499;MAP3K5;PBOV1;IL20RA;TNFAIP3;NHSL1;HEBP2;ENSG00000220412;PEX7	0.344409	2.051188	0.041776	0.945236
cg17339182	chr10	1.32E+08		-0.27907	-2.04352	0.042537	0.946266
cg10668399	chr12	4380586		-0.16623	-2.04697	0.042193	0.946105
cg20136444	chr3	1.84E+08	ENSG00000272721;ENSG00000273181	0.146113	2.045475	0.042342	0.946231
cg02024925	chr13	52773871		-0.26328	-2.04677	0.042213	0.946105
cg02369820	chr4	6200609		-0.26137	-2.04537	0.042353	0.946266
cg05507249	chr2	52798801		-0.23006	-2.04799	0.042092	0.94586
cg14086271	chr8	1.44E+08		-0.18765	-2.04564	0.042326	0.946231
cg08134829	chr1	1851083		-0.20212	-2.04563	0.042326	0.946231
cg25936839	chr17	6555202	TNK1	0.225788	2.048376	0.042054	0.945748
cg06322518	chr10	50535073		-0.23974	-2.04591	0.042299	0.946231
cg26880735	chr18	44784846		-0.37498	-2.04589	0.0423	0.946231

cg07301505	chr10	99400264		-0.22423	-2.0473	0.04216	0.94602
cg22553289	chr17	33469403		0.132094	2.044338	0.042455	0.946266
cg23035058	chr10	1.34E+08		-0.20796	-2.04665	0.042225	0.946105
cg01699906	chr11	95976628		-0.18551	-2.04613	0.042277	0.946231
cg13377023	chr10	17299452		0.233881	2.048913	0.042001	0.945641
cg22564583	chr22	37720976		-0.23056	-2.04519	0.04237	0.946266
cg03301025	chr17	16375621		-0.20469	-2.04635	0.042255	0.946231
cg02576394	chr6	30707038		0.202319	2.044842	0.042405	0.946266
cg23223544	chr13	1.15E+08		-0.39115	-2.04968	0.041925	0.945538
cg17271561	chr19	52839334	ZNF610;ZNF818P	0.390113	2.044451	0.042444	0.946266
cg12737876	chr2	85843232		-0.13283	-2.0477	0.042121	0.94602
cg09162834	chr13	1.11E+08		0.3313	2.044449	0.042444	0.946266
cg23348723	chr7	31725748	AVL9	-0.32996	-2.04616	0.042273	0.946231
cg02359746	chr8	32582038		0.285201	2.047255	0.042165	0.94602
cg23712897	chr8	1.46E+08		-0.25272	-2.04496	0.042394	0.946266
cg24143843	chr5	1.79E+08		0.179164	2.044957	0.042394	0.946266
cg23054426	chr7	19185267		0.334837	2.046683	0.042222	0.946105
cg18410168	chr19	35843282		-0.23865	-2.04626	0.042264	0.946231
cg21614339	chr15	93615629		-0.27501	-2.04603	0.042286	0.946231
cg15400591	chr20	33762943	FAM83C	0.460643	2.044452	0.042444	0.946266
cg25191743	chr17	43394540		-0.15912	-2.0449	0.042399	0.946266
cg07482470	chr7	69124459		0.207648	2.046353	0.042255	0.946231
cg09500475	chr1	46152117		-0.1422	-2.04446	0.042443	0.946266
cg15676500	chr1	19665446	PQLC2	0.460011	2.044377	0.042451	0.946266

cg04920632	chr1	1.11E+08	ENSG00000273373;SYPL2;AHCYL1	-0.16383	-2.04356	0.042533	0.946266
cg25147842	chr4	2244338		-0.15333	-2.04366	0.042523	0.946266
cg10057614	chr16	56841060	MT1E	0.312194	2.045108	0.042378	0.946266
cg25577842	chr11	32459760	TCP11L1	0.242822	2.045547	0.042335	0.946231
cg02783232	chr16	188789		0.127021	2.042638	0.042625	0.946266
cg24286174	chr3	1.89E+08		0.305561	2.045981	0.042292	0.946231
cg12074329	chr2	86054806		-0.24678	-2.04498	0.042391	0.946266
cg05471523	chr3	43936093	KIF15	0.214693	2.046233	0.042267	0.946231

cg08998953	chr11	1.19E+08	PHLDB1;MPZL3;MCAM;KMT2A;HYOU1;TMEM25;AMICA1;ENSG00000255176;UBE4A	0.326873	2.045488	0.042341	0.946231
cg00023808	chr7	1.02E+08		0.261643	2.045625	0.042327	0.946231
cg00251610	chr5	1.59E+08		0.230557	2.042665	0.042623	0.946266
cg06604467	chr7	1232088	COX19;SUN1	-0.38826	-2.04422	0.042467	0.946266
cg23812680	chr6	27561058		0.291044	2.044811	0.042408	0.946266
cg02953302	chr10	1.28E+08		0.193339	2.046687	0.042221	0.946105
cg00531338	chr18	76321379		-0.19881	-2.04658	0.042232	0.946214
cg16665335	chr5	205775	ENSG00000260774	-0.20987	-2.04424	0.042465	0.946266
cg22975277	chr2	1.87E+08		-0.32659	-2.04511	0.042379	0.946266
cg25180603	chr5	1.5E+08		-0.15961	-2.04377	0.042512	0.946266
cg14146249	chr1	2.06E+08		-0.26089	-2.0446	0.042429	0.946266
cg16639595	chr7	87856984		-0.28979	-2.04839	0.042052	0.945748

cg14646244	chr7	1.07E+08		-0.4334	-2.04499	0.04239	0.946266
cg07736627	chr11	44322491		-0.13705	-2.04431	0.042458	0.946266
cg05002124	chr13	79980059		0.126985	2.048049	0.042086	0.94586
cg20461826	chr17	47367125		-0.30459	-2.04549	0.04234	0.946231
cg27380997	chr15	89960278		0.600408	2.044036	0.042485	0.946266
cg26801014	chr11	88241769		0.199656	2.046303	0.042259	0.946231
cg09194650	chr12	1.1E+08		-0.17679	-2.04666	0.042224	0.946105
cg16575291	chr14	93419496		0.207995	2.045577	0.042332	0.946231
cg02121104	chr14	75470314		0.257952	2.043503	0.042539	0.946266
cg14641625	chr5	1.71E+08		-0.22099	-2.04818	0.042074	0.94586
cg17129809	chr2	23840282		0.282035	2.043929	0.042496	0.946266
cg05058103	chr7	99051500		-0.25333	-2.04357	0.042532	0.946266
cg18908568	chr11	18754796	ZDHHC13;PTPN5	-0.28213	-2.04451	0.042438	0.946266
cg15237819	chr2	19558375		0.178647	2.046014	0.042288	0.946231
cg06678548	chr5	390197		-0.21774	-2.04426	0.042463	0.946266
cg13417559	chr9	86571432	ENSG00000231616	0.199906	2.04459	0.04243	0.946266
cg17204671	chr2	1.57E+08		-0.27102	-2.04571	0.042319	0.946231
cg02896705	chr19	18112042		0.172577	2.04575	0.042315	0.946231
cg14699867	chr12	1.07E+08		-0.19738	-2.04414	0.042476	0.946266
cg07330630	chr3	1.23E+08		0.209626	2.04478	0.042411	0.946266
cg05679795	chr12	54020063		0.198392	2.044982	0.042391	0.946266
cg02179764	chr22	37419795	CDC42EP1	-0.25091	-2.04265	0.042624	0.946266
cg06961098	chr16	69140892		0.293633	2.042916	0.042598	0.946266
cg00868860	chr12	55041948	PHC1P1	-0.34155	-2.04169	0.042721	0.946266
cg01286959	chr20	42086381		-0.23647	-2.04347	0.042543	0.946266

cg27623948	chr17	77208211		-0.28291	-2.04236	0.042654	0.946266
cg20676475	chr1	1.53E+08		-0.25238	-2.04439	0.04245	0.946266
cg06218008	chr1	1.46E+08		0.139083	2.045756	0.042314	0.946231
cg20058848	chr2	96852116		-0.22477	-2.04199	0.04269	0.946266
cg05684569	chr16	81929465		-0.35137	-2.0438	0.04251	0.946266
cg15672329	chr11	72810987		0.357816	2.043173	0.042572	0.946266
cg10025462	chr17	27046956	KIAA0100;ENSG00000266111	-0.33591	-2.04155	0.042734	0.946266
cg12127290	chr12	21531643		-0.30674	-2.04411	0.042478	0.946266
cg16265078	chr11	85955426		0.235261	2.041677	0.042722	0.946266
cg23199797	chr3	1.22E+08		-0.2387	-2.04334	0.042555	0.946266
cg02912129	chr20	57615494		-0.27743	-2.04722	0.042169	0.94602
cg02426611	chr16	87681276		-0.41454	-2.04357	0.042532	0.946266
cg22749859	chr20	61193998	SLCO4A1;GATA5	-0.42546	-2.04266	0.042623	0.946266
cg12634080	chr13	28549922		0.20178	2.044784	0.042411	0.946266
cg27409401	chr16	614852		-0.28931	-2.04251	0.042638	0.946266
cg15718162	chr19	47551509		-0.19716	-2.04437	0.042453	0.946266
cg21348533	chr8	37757250		0.146882	2.04344	0.042545	0.946266
cg00007239	chr4	1.66E+08		-0.28551	-2.04491	0.042398	0.946266
cg21433231	chr17	34820712		0.319822	2.044457	0.042443	0.946266
cg14080832	chr9	1.4E+08		-0.16865	-2.04267	0.042622	0.946266
cg06289444	chr6	1.7E+08		-0.21417	-2.0439	0.042499	0.946266
cg09574363	chr5	1.48E+08		-0.28429	-2.04368	0.042521	0.946266
cg07188488	chr1	46273758		-0.28831	-2.04241	0.042648	0.946266
cg08104579	chr17	74467662		-0.16961	-2.04243	0.042646	0.946266

cg01433420	chr19	3572873		-0.1757	-2.04435	0.042455	0.946266
cg05340658	chr4	99064831		0.291638	2.041812	0.042708	0.946266
cg05333279	chr2	20067114	OSR1;WDR35	-0.20077	-2.04276	0.042613	0.946266
cg07694848	chr2	20424984		-0.17533	-2.04343	0.042546	0.946266
cg14202946	chr4	1.7E+08		-0.18717	-2.04235	0.042655	0.946266
cg00068160	chr13	95362971		0.326753	2.042577	0.042632	0.946266
cg05359237	chr8	27338248		-0.20802	-2.04119	0.04277	0.946266
cg26011212	chr10	13259230		0.42438	2.042344	0.042655	0.946266
ch.4.25763146F	chr4	26154048		-0.28646	-2.04768	0.042122	0.94602
cg10366010	chr19	35264189	ZNF599	-0.1998	-2.043	0.042589	0.946266
cg18919660	chr14	86032626		-0.26772	-2.04365	0.042524	0.946266
cg07647798	chr19	16296063		-0.16584	-2.04246	0.042644	0.946266
cg18146152	chr16	1400772	METRN	0.268959	2.041256	0.042764	0.946266
cg07318073	chr4	74904359		-0.175	-2.04309	0.04258	0.946266
cg16309243	chr5	181808		-0.25409	-2.04292	0.042598	0.946266
cg07499259	chr1	12188502		-0.24381	-2.04346	0.042543	0.946266
cg21991633	chr19	9515211	ICAM1	-0.36982	-2.04076	0.042814	0.946266
cg18024631	chr1	1271862		0.211243	2.04428	0.042461	0.946266
cg25371564	chr1	43993236		-0.20542	-2.0437	0.042519	0.946266
cg05729995	chr10	74386032		0.19036	2.042405	0.042649	0.946266
cg16326819	chr2	1.19E+08		-0.15999	-2.04434	0.042455	0.946266
cg25554283	chr17	63558259		0.172461	2.044995	0.04239	0.946266
cg25034395	chr10	1.01E+08	DNMBP;ERLIN1	0.276432	2.047094	0.042181	0.94602
cg26419880	chr1	6515624	HES2	0.51944	2.043011	0.042588	0.946266
cg05508761	chr19	10047420		0.246399	2.043212	0.042568	0.946266

cg01139627	chr1	94344929		-0.19381	-2.04321	0.042568	0.946266
cg10922622	chr9	1.08E+08		-0.20376	-2.04447	0.042442	0.946266
cg01432120	chr2	1.29E+08		0.270119	2.041065	0.042783	0.946266
cg04378127	chr16	30968679		-0.20933	-2.04223	0.042666	0.946266
cg24341615	chr19	675741		-0.21625	-2.04443	0.042446	0.946266
cg09643313	chr7	94537893		0.230511	2.042722	0.042617	0.946266
cg26666512	chr16	30934656		-0.14424	-2.04243	0.042646	0.946266
cg00454592	chr2	12013993		-0.43409	-2.04181	0.042709	0.946266
cg23832497	chr6	1.22E+08		-0.4106	-2.042	0.042689	0.946266
cg16993936	chr10	13146903		-0.28472	-2.04092	0.042798	0.946266
cg09872774	chr15	72103908	ENSG00000259781	-0.20444	-2.04321	0.042569	0.946266
cg17507671	chr4	1.12E+08		0.323123	2.042038	0.042686	0.946266
cg13086574	chr8	1.35E+08	ST3GAL1	-0.40558	-2.04391	0.042498	0.946266
cg06513974	chr1	1.18E+08	SPAG17;WDR3;GDAP2;FAM46C;CD2	0.32308	2.045184	0.042371	0.946266
cg04595983	chr4	1.56E+08		0.265802	2.042225	0.042667	0.946266
cg23906250	chr2	2.39E+08		-0.18254	-2.04134	0.042756	0.946266
cg19714279	chr2	2.37E+08		0.247466	2.043396	0.04255	0.946266
cg04708585	chr18	67137145		0.253317	2.042779	0.042611	0.946266
cg13520931	chr21	45660251		0.117041	2.043186	0.042571	0.946266
cg07962311	chr8	1.25E+08	FER1L6;FBXO32;ZHX2	0.291885	2.040247	0.042866	0.946266
cg24965187	chr14	1.05E+08		-0.24144	-2.04106	0.042784	0.946266
cg25337124	chr6	1.67E+08	PDE10A	-0.25319	-2.04603	0.042287	0.946231
cg06714360	chr10	1.34E+08		-0.27898	-2.04277	0.042613	0.946266

cg08433538	chr9	1.3E+08	SH2D3C	0.34078	2.042193	0.04267	0.946266
cg13229782	chr17	21179777		0.279671	2.040787	0.042811	0.946266
cg08031958	chr21	47009726		0.239605	2.040916	0.042798	0.946266
cg02023367	chr10	1.35E+08		-0.251	-2.04272	0.042617	0.946266
cg07287030	chr5	1.35E+08	CXCL14	-0.24799	-2.04158	0.042732	0.946266
cg11248182	chr5	1.39E+08		-0.1552	-2.04216	0.042674	0.946266
cg26312616	chr2	95829017		-0.18521	-2.03998	0.042892	0.946266
cg16003601	chr19	50691441		-0.26685	-2.04272	0.042617	0.946266
cg10260050	chr11	1.18E+08		0.255365	2.041744	0.042715	0.946266
cg25725418	chr10	75639879	PPP3CB	-0.22556	-2.04352	0.042537	0.946266
cg14059615	chr6	28551669		0.261158	2.046762	0.042214	0.946105
cg23377236	chr6	3809610		-0.25265	-2.04404	0.042485	0.946266
cg27317647	chr8	1.46E+08		0.301229	2.040691	0.042821	0.946266
cg02782622	chr2	69534307		-0.18698	-2.04157	0.042732	0.946266
cg25019989	chr4	54961835		0.25951	2.041652	0.042724	0.946266
cg05829548	chr13	96087962		-0.22711	-2.04613	0.042277	0.946231
cg18718312	chr8	11772119		-0.21814	-2.0423	0.042659	0.946266
cg06271387	chr16	7138889		0.315779	2.041182	0.042772	0.946266
cg00839507	chr9	6680800		0.266144	2.044178	0.042471	0.946266
cg13570284	chr15	87807847		0.273949	2.04108	0.042782	0.946266
cg06368859	chr11	93905167		0.28496	2.042243	0.042665	0.946266
cg26656672	chr6	1.64E+08		0.453839	2.043784	0.042511	0.946266
cg24266851	chr3	19214779		-0.2899	-2.04182	0.042707	0.946266
cg07581978	chr13	80917058		0.145565	2.039912	0.042899	0.946266
cg18555142	chr7	1.55E+08		-0.23602	-2.04109	0.042781	0.946266

cg26446071	chr13	1.14E+08		0.197539	2.043482	0.042541	0.946266
cg14349531	chr7	1.43E+08		-0.23109	-2.04142	0.042748	0.946266
cg01318737	chr19	2918427		0.216661	2.046222	0.042268	0.946231
cg19322380	chr15	99408636		0.284699	2.042432	0.042646	0.946266
cg17003199	chr17	19186646	MFAP4	0.232924	2.041356	0.042754	0.946266
cg10860553	chr5	1399854		0.238464	2.041036	0.042786	0.946266
cg24939196	chr6	1.7E+08		-0.47758	-2.04186	0.042703	0.946266
cg05988266	chr3	67433172		0.255641	2.039148	0.042976	0.94648
cg08832195	chr7	40047674		-0.35504	-2.04122	0.042768	0.946266
cg22052778	chr19	1383916		-0.16282	-2.04115	0.042775	0.946266
cg11694262	chr13	1.01E+08		0.34657	2.040751	0.042815	0.946266
cg20658797	chr17	34757624		-0.182	-2.04187	0.042703	0.946266
cg23355040	chr11	1.19E+08		0.257238	2.042501	0.042639	0.946266
cg01795199	chr4	1808807		-0.39499	-2.04423	0.042466	0.946266
cg17157893	chr2	2.32E+08		-0.19736	-2.04108	0.042781	0.946266
cg22303739	chr20	30220521		0.366964	2.040588	0.042831	0.946266
cg17178468	chr17	43049442	HDAC5;GJC1;HIGD1B;ENSG00000267505;GPATCH8;EFTUD2	-0.2511	-2.04052	0.042838	0.946266
cg07879540	chr7	75508716		-0.14873	-2.04071	0.042819	0.946266
cg25840318	chr4	8249430	AFAP1;ABLIM2;PSAPL1;HTRA3;AFAP1-AS1;SORCS2	-0.22708	-2.0476	0.042131	0.94602
cg07749055	chr19	23076870		-0.69372	-2.0409	0.0428	0.946266

cg21468681	chr6	84937459		-0.1858	-2.04304	0.042585	0.946266
cg06331113	chr20	1374740		-0.21563	-2.04233	0.042657	0.946266
cg22166565	chr17	901284		-0.2837	-2.04349	0.042541	0.946266
cg04151469	chr7	1.02E+08		-0.26679	-2.03958	0.042933	0.946266
cg16520238	chr17	45798480		-0.14323	-2.04911	0.041981	0.945538
cg23982568	chr8	6118526		-0.32739	-2.04007	0.042883	0.946266
cg06322557	chr3	8399147	SRGAP3;SRGAP3-AS1;GRM7-AS1	-0.37585	-2.04115	0.042775	0.946266
cg00782503	chr13	28540622		0.231585	2.040201	0.04287	0.946266
cg18767058	chr5	1.39E+08		0.183848	2.040614	0.042829	0.946266
cg06502165	chr13	21562238		-0.37564	-2.04377	0.042512	0.946266
cg18429723	chr2	1.1E+08		-0.21867	-2.04041	0.04285	0.946266
cg04658699	chr15	40538101	DLL4;C15orf52;GPR176;RHOV;CASC5;SPINT1	-0.29622	-2.03987	0.042904	0.946266
cg22385623	chr1	1.45E+08		0.196566	2.043246	0.042565	0.946266
cg21132005	chr22	49583075		-0.30701	-2.03958	0.042933	0.946266
cg17017272	chr15	91447374	CRTC3	0.185254	2.041438	0.042746	0.946266
cg13021277	chr6	12012580		-0.16813	-2.0397	0.04292	0.946266
cg07887891	chr3	33429950		-0.23352	-2.04574	0.042315	0.946231
cg17187163	chr2	2.38E+08		0.203332	2.04163	0.042727	0.946266
cg06549479	chr17	36885900	SYNRG	0.180109	2.042542	0.042635	0.946266
cg11896587	chr19	39440734		0.242648	2.039643	0.042927	0.946266
cg26029997	chr3	48507610		-0.14016	-2.04228	0.042661	0.946266
cg25904659	chr17	916272	ENSG00000262003	0.475566	2.039605	0.04293	0.946266

cg23901063	chr10	62704070		-0.17056	-2.04141	0.042749	0.946266
cg09176402	chr1	38203765		0.340433	2.039291	0.042962	0.946398
cg08042432	chr12	1.14E+08		-0.12548	-2.04455	0.042434	0.946266
cg01957760	chr1	1.8E+08		0.352103	2.041991	0.04269	0.946266
cg25307593	chr12	40499811		-0.13521	-2.04068	0.042822	0.946266
cg00563847	chr5	93530270	MCTP1	-0.32988	-2.04032	0.042858	0.946266
cg27144055	chr16	88379519		-0.17995	-2.04126	0.042764	0.946266
cg07672631	chr10	38445710		-0.21818	-2.04246	0.042643	0.946266
cg18559785	chr19	42915372		-0.10822	-2.0416	0.04273	0.946266
cg01950810	chr6	31598385		0.186264	2.040655	0.042825	0.946266
cg09130556	chr2	38304030		-0.24446	-2.04321	0.042568	0.946266
cg02226939	chr17	28619481		0.292754	2.044901	0.042399	0.946266
cg18184075	chr22	24951102		-0.17888	-2.0442	0.042469	0.946266
cg05940202	chr8	1.18E+08		-0.21509	-2.04049	0.042842	0.946266
cg27391497	chr16	1793411		-0.2219	-2.04053	0.042837	0.946266
cg24248317	chr2	26986379		-0.19522	-2.03933	0.042958	0.946398
cg27050031	chr18	76278167		-0.28739	-2.0402	0.042871	0.946266
cg03586412	chr20	45811830		-0.2418	-2.04049	0.042841	0.946266
cg05270084	chr17	5402197		-0.29808	-2.04019	0.042871	0.946266
cg06466031	chr19	37329448	ZNF146	0.319723	2.040952	0.042795	0.946266
cg09473495	chr2	2.42E+08		0.226439	2.041544	0.042735	0.946266
cg17866373	chr1	2.29E+08		0.243467	2.038964	0.042995	0.946515
cg07872868	chr2	27530153	SLC5A6;PREB	0.25431	2.038809	0.043011	0.946515
cg22321810	chr2	1.9E+08		0.418846	2.03975	0.042916	0.946266
cg02803836	chr10	1.31E+08		-0.24435	-2.03882	0.043009	0.946515

cg20697172	chr11	18042499		-0.22352	-2.04178	0.042712	0.946266
cg17372738	chr5	72252497		-0.14559	-2.04195	0.042695	0.946266
cg14965947	chr9	88357129		-0.15832	-2.04119	0.04277	0.946266
cg21177100	chr9	1.39E+08		-0.26379	-2.04111	0.042778	0.946266
cg02103843	chr10	1.34E+08		-0.23511	-2.04023	0.042868	0.946266
cg25256493	chr10	72297852		-0.18665	-2.04021	0.042869	0.946266
cg22175814	chr17	71739339		0.274964	2.040535	0.042837	0.946266
cg03761162	chr2	2.4E+08		0.184758	2.038346	0.043057	0.946515
cg10514097	chr16	86544787		0.299939	2.041111	0.042779	0.946266
cg02254152	chr6	30295036		-0.15265	-2.04066	0.042824	0.946266
cg24119613	chr13	32330150		-0.22647	-2.04074	0.042816	0.946266
cg23413278	chr22	40052452		0.172536	2.039775	0.042913	0.946266
cg11642412	chr11	63768412		-0.17669	-2.04183	0.042706	0.946266
cg02662828	chr4	48492848		0.316393	2.04117	0.042773	0.946266
cg08013270	chr2	73145744		0.192543	2.04042	0.042848	0.946266
cg03383661	chr6	42714115	USP49	0.184448	2.037847	0.043108	0.946612
cg01937793	chr9	71940287		-0.26659	-2.04103	0.042787	0.946266
cg13876844	chr3	84885990		-0.36037	-2.04111	0.042779	0.946266
cg10321623	chr12	670520	RAD52;ENSG00000249028;B4GALNT3	-0.20664	-2.04085	0.042805	0.946266
cg01049237	chr6	72925046		-0.25597	-2.03955	0.042936	0.946266
cg07390141	chr15	93427738		0.285069	2.038878	0.043004	0.946515
cg00260575	chr8	1.45E+08		-0.31248	-2.04154	0.042736	0.946266
cg13609089	chr6	10610691	TMEM170B	0.318801	2.042849	0.042604	0.946266

cg18948488	chr10	1.03E+08		0.23119	2.03798	0.043094	0.946592
cg07556103	chr1	2.45E+08		-0.25982	-2.04178	0.042712	0.946266
cg18813778	chr3	19116330	SATB1;EFHB	-0.30661	-2.03821	0.043071	0.946515
cg00572739	chr10	18948122		-0.2098	-2.04071	0.042819	0.946266
cg14148016	chr9	1.39E+08		-0.36667	-2.03874	0.043018	0.946515
cg22947748	chr6	1E+08		0.182934	2.038731	0.043018	0.946515
cg09015921	chr17	17714347		0.323322	2.042781	0.042611	0.946266
cg05755239	chr4	1.66E+08		-0.15394	-2.04131	0.042758	0.946266
cg06542302	chr12	1.33E+08		-0.33513	-2.03779	0.043114	0.946612
cg04529193	chr4	649901		0.279499	2.040101	0.04288	0.946266
cg00206999	chr3	58222569		-0.21413	-2.04048	0.042842	0.946266
cg09593033	chr15	25472237		-0.20268	-2.03888	0.043004	0.946515
cg14921898	chr22	30821542		-0.22531	-2.04054	0.042836	0.946266
cg00872062	chr4	40058947	UGDH-AS1	-0.20473	-2.0385	0.043042	0.946515
cg16396919	chr12	54521807	ITGA5;COPZ1	-0.27358	-2.03974	0.042917	0.946266
cg16944026	chr2	2.43E+08		0.268173	2.039317	0.042959	0.946398
cg20428153	chr15	90895389		0.253159	2.040572	0.042833	0.946266
cg20634475	chr1	2.04E+08		0.200746	2.041618	0.042728	0.946266
cg00982271	chr1	21672759		-0.17256	-2.04119	0.04277	0.946266
cg09221482	chr6	1.62E+08		0.196985	2.040711	0.042819	0.946266
cg20117519	chr7	8429907		0.349823	2.039978	0.042893	0.946266
cg10052038	chr3	1.96E+08		-0.22817	-2.04317	0.042572	0.946266
cg26152108	chr13	1.14E+08		0.286486	2.038382	0.043054	0.946515
cg06874144	chr2	2.32E+08		0.228425	2.039638	0.042927	0.946266
cg16819299	chr11	1.34E+08		-0.18174	-2.03854	0.043038	0.946515

cg09936845	chr1	1.57E+08		-0.21883	-2.04031	0.04286	0.946266
cg05420896	chr18	49867488		0.298816	2.04016	0.042874	0.946266
cg17695841	chr11	45825485	CRY2;MAPK8IP1	0.262835	2.039176	0.042974	0.946467
cg00863661	chr16	1019956	CACNA1H;ENSG00000236829	0.232505	2.039827	0.042908	0.946266
cg26164773	chr10	1.21E+08		0.265586	2.040421	0.042848	0.946266
cg15089806	chr1	43418199	SLC2A1;TIE1	-0.24873	-2.03816	0.043076	0.946515
cg07116015	chr17	27046591		-0.20187	-2.03857	0.043035	0.946515
cg24811929	chr11	31391577		0.350232	2.036989	0.043195	0.946777
cg22879515	chr11	1.11E+08		0.241822	2.040896	0.0428	0.946266
cg03813730	chr6	1.69E+08		-0.26364	-2.03981	0.04291	0.946266
ch.19.23069863R	chr19	23278023		-0.31328	-2.04204	0.042686	0.946266
cg14569639	chr5	1.18E+08		0.208719	2.041082	0.042782	0.946266
cg21698840	chr4	76598899		-0.19534	-2.04005	0.042885	0.946266
cg07402724	chr6	74230764		0.148299	2.040199	0.04287	0.946266
cg06654302	chr4	1.69E+08		-0.14589	-2.03889	0.043003	0.946515
cg17162981	chr15	45248744		-0.2926	-2.04009	0.042882	0.946266
cg08726846	chr4	1.89E+08		0.216967	2.039075	0.042984	0.946515
cg04405874	chr8	86189883		-0.19304	-2.03929	0.042963	0.946398
cg14035749	chr9	1.01E+08	CTSV;ANKS6;TBC1D2	-0.27551	-2.03767	0.043126	0.946612
cg19016714	chr10	80806029		0.24722	2.03835	0.043057	0.946515
cg25262261	chr3	1.97E+08		0.269538	2.037664	0.043126	0.946612
cg08142347	chr19	42440001		0.283347	2.037187	0.043175	0.946667
cg19293995	chr22	30685271		-0.13787	-2.03773	0.04312	0.946612

cg18347762	chr13	91499567		-0.27651	-2.038	0.043092	0.946592
cg20055581	chr6	1397057		0.346332	2.040151	0.042875	0.946266
cg10372476	chr1	2.37E+08		0.301844	2.03798	0.043094	0.946592
cg25932315	chr10	79190843	DLG5-AS1	0.268449	2.040098	0.042881	0.946266
cg15526469	chr17	13479097		-0.29086	-2.03837	0.043055	0.946515
cg05845236	chr13	67804635		-0.19668	-2.03844	0.043048	0.946515
cg01310543	chr8	692834		-0.22873	-2.04191	0.042698	0.946266
cg09370585	chr16	30706005		0.204353	2.037499	0.043143	0.946612
cg08705483	chr1	2.29E+08		0.244515	2.039558	0.042935	0.946266
cg19398112	chr19	14529923		-0.29229	-2.04012	0.042879	0.946266
cg14064399	chr5	1.26E+08		-0.15626	-2.03831	0.043061	0.946515
cg20859348	chr17	79634204		0.257137	2.039885	0.042902	0.946266
cg05513069	chr18	43608309		0.209281	2.038478	0.043044	0.946515
cg02648064	chr16	79614389		-0.22729	-2.03812	0.04308	0.946515
cg17214107	chr4	1.24E+08		0.310239	2.039215	0.04297	0.946467
cg08444306	chr2	1.59E+08		0.140118	2.03679	0.043215	0.946818
cg14265554	chr11	60691911		0.188825	2.03689	0.043205	0.946777
cg23712342	chr10	60936794		0.272319	2.037232	0.04317	0.946667
cg23632744	chr11	4674353		-0.26511	-2.03854	0.043037	0.946515
cg17671280	chr4	1.87E+08		-0.29338	-2.03743	0.04315	0.946654
cg16731958	chr6	33217289		-0.16621	-2.03758	0.043135	0.946612
cg23914146	chr18	30051268		0.171238	2.039483	0.042943	0.9463
cg27420889	chr4	1.87E+08		0.496869	2.03838	0.043054	0.946515

cg13328209	chr12	1.25E+08	SCARB1;BRI3BP;FAM101A;ATP6V0A2	-0.34742	-2.04071	0.042819	0.946266
cg00111102	chr20	60509975		0.257698	2.039082	0.042983	0.946515
cg20434529	chr1	2.48E+08		0.522023	2.03875	0.043017	0.946515
cg16850917	chr3	47451026		-0.27689	-2.03758	0.043135	0.946612
cg04176532	chr22	50317003		-0.50597	-2.037	0.043194	0.946777
cg06691343	chr8	53326305		0.384373	2.04095	0.042795	0.946266
cg08737347	chr12	1.11E+08		0.190097	2.038091	0.043083	0.94654
cg10252138	chr17	58120427	HEATR6	-0.16254	-2.03821	0.043071	0.946515
cg26385743	chr2	1.31E+08		0.248115	2.03762	0.043131	0.946612
cg04171539	chr4	1.34E+08		-0.18832	-2.03934	0.042957	0.946398
cg02858510	chr14	51818419		-0.20484	-2.03779	0.043114	0.946612
cg21447514	chr12	1.32E+08		-0.24697	-2.03763	0.04313	0.946612
cg19800926	chr11	73087939		-0.15008	-2.03787	0.043105	0.946612
cg05607935	chr4	763393		0.240792	2.041606	0.042729	0.946266
cg08100221	chr16	783800		-0.40581	-2.04028	0.042862	0.946266
cg21872336	chr7	1710378		0.27251	2.037762	0.043117	0.946612
cg13806162	chr1	865013		-0.22361	-2.03674	0.04322	0.946818
cg16664193	chr17	35227046		0.226467	2.039772	0.042913	0.946266
cg22887663	chr6	52009019		-0.21682	-2.04113	0.042777	0.946266
cg10146112	chr10	1.35E+08		-0.19775	-2.03581	0.043315	0.947155
cg02906823	chr1	32927696	LCK;FNDC5	-0.27045	-2.03619	0.043276	0.947155
cg01497576	chr15	48413218		-0.22645	-2.04013	0.042877	0.946266

cg26242304	chr14	1.02E+08	MOK;MEG8;ENSG00000271417;ZNF839;ENSG00000225746	-0.2908	-2.03859	0.043032	0.946515
cg05238917	chr6	28504946	ZNF165;ENSG00000272009;ZSCAN12P1	0.371925	2.037944	0.043098	0.946612
cg12412277	chr11	43380340		0.11483	2.037476	0.043145	0.946612
cg22448304	chr2	1.3E+08		-0.29239	-2.04103	0.042786	0.946266
cg03065476	chr19	29284229		-0.38616	-2.03602	0.043294	0.947155
cg19792194	chr11	1.25E+08		0.261838	2.040015	0.042889	0.946266
cg09738733	chr7	1245943		-0.25602	-2.037	0.043194	0.946777
cg22016870	chr2	2.38E+08		0.272069	2.037528	0.04314	0.946612
cg01408654	chr4	1.34E+08		0.342496	2.039811	0.04291	0.946266
cg02993340	chr8	30891743		-0.25432	-2.03768	0.043125	0.946612
cg06045576	chr22	19948957		-0.14576	-2.03813	0.04308	0.946515
cg19071490	chr10	1.35E+08		-0.24761	-2.03594	0.043301	0.947155
cg27130769	chr7	5417105		0.233608	2.037467	0.043146	0.946612
cg12147105	chr4	1.06E+08		-0.22112	-2.03815	0.043078	0.946515
cg20003893	chr8	1.44E+08	FAM83H-AS1	0.207337	2.037996	0.043093	0.946592
cg03166779	chr7	14029285		-0.36936	-2.03822	0.04307	0.946515
cg17280284	chr6	29414755		-0.24617	-2.03637	0.043258	0.947134
cg24148044	chr16	85061578		-0.17099	-2.03634	0.04326	0.947134
cg10008501	chr8	9763558		0.301261	2.038608	0.043031	0.946515
cg23619605	chr22	40021839		-0.18973	-2.04014	0.042877	0.946266
cg05399692	chr13	46190198		0.231429	2.035781	0.043317	0.947155

cg09238746	chr17	78121135		-0.33817	-2.03678	0.043216	0.946818
cg05533001	chr7	2019608		-0.54929	-2.03682	0.043211	0.946818
cg27631005	chr1	1.74E+08		-0.23749	-2.03562	0.043333	0.947155
cg14202478	chr12	67463281		0.147143	2.03694	0.0432	0.946777
cg23489630	chr19	44645078		0.659979	2.035355	0.043361	0.947155
cg06610125	chr11	1.34E+08		0.269723	2.037209	0.043172	0.946667
cg12564151	chr8	1.42E+08		0.237744	2.036249	0.04327	0.947134
cg13954548	chr19	47334060		-0.30785	-2.04297	0.042593	0.946266
cg10170847	chr19	41834029	CEACAM21;CEACAM7;CEACAM5;CEACAM6	-0.33956	-2.03941	0.04295	0.946394
cg19610869	chr5	1.57E+08		0.224741	2.037094	0.043184	0.946761
cg23897377	chr21	46441953		-0.25441	-2.0413	0.04276	0.946266
cg07149992	chr13	30056422		-0.24408	-2.03595	0.043301	0.947155
cg25950520	chr2	1.21E+08		-0.21561	-2.03868	0.043024	0.946515
cg23997185	chr5	1.4E+08		0.268525	2.036288	0.043266	0.947134
cg02177391	chr15	68870634		-0.2117	-2.03895	0.042996	0.946515
cg16617141	chr11	72408186		0.205965	2.038199	0.043072	0.946515
cg18170348	chr7	34521645	BBS9	-0.3277	-2.0382	0.043073	0.946515
cg23473632	chr6	1.6E+08		0.227998	2.036123	0.043283	0.947155
cg00405086	chr6	1.32E+08	MOXD1	-0.33263	-2.0375	0.043143	0.946612
cg13365284	chr2	1.75E+08		-0.15842	-2.03586	0.043309	0.947155
cg26916687	chr18	76779338		0.248473	2.037925	0.0431	0.946612
cg25108478	chr2	2.35E+08		-0.24312	-2.03587	0.043308	0.947155
cg23749163	chr14	77563968		-0.16893	-2.03918	0.042973	0.946467

cg00888521	chr5	80256971		0.425036	2.039696	0.042921	0.946266
cg04120171	chr15	83775850		0.300594	2.039006	0.042991	0.946515
cg05036130	chr6	1.5E+08	LRP11;PPP1R14C	0.247243	2.039034	0.042988	0.946515
cg10845073	chr5	72144864		-0.28029	-2.03549	0.043347	0.947155
cg09833545	chr11	1.17E+08		-0.23085	-2.03466	0.043431	0.947155
cg07721203	chr15	58357922		0.250337	2.035215	0.043375	0.947155
cg20424531	chr11	1.13E+08	NNMT	0.229898	2.03997	0.042894	0.946266
cg22012530	chr8	1.45E+08		0.29715	2.034496	0.043448	0.947253
cg13638703	chr22	36691716		-0.20934	-2.03762	0.043131	0.946612
cg03062944	chr10	6183455		-0.42855	-2.03588	0.043307	0.947155
cg22843670	chr3	1.5E+08		0.278866	2.037242	0.043169	0.946667
cg24039102	chr12	1.32E+08	RAN	0.205315	2.036265	0.043268	0.947134
cg20554142	chr8	1.43E+08		-0.37534	-2.03537	0.043359	0.947155
cg01187952	chr3	63850081	PRDX3P4;ENSG00000224479	-0.15704	-2.03833	0.043059	0.946515
cg18232130	chr19	44027824	PINLYP	-0.27614	-2.03593	0.043302	0.947155
cg04165933	chr16	49833847	ADCY7;CYLD	-0.29018	-2.03565	0.043331	0.947155
cg09575472	chr5	1.74E+08		0.16316	2.038989	0.042992	0.946515
cg18803104	chr6	28956324	NKAPL;PGBD1;ZNF165;HCG14	0.424523	2.035624	0.043333	0.947155
cg01824931	chr7	1642224		-0.31314	-2.03478	0.043419	0.947155
cg16306498	chr19	12146696	ENSG00000219665;ENSG00000240616	0.206209	2.036127	0.043282	0.947155
cg01355753	chr16	30457524		0.312427	2.033903	0.043509	0.94741

			ENSG00000273295;ENSG00000225282;ENSG00000272955;ENSG00000218537;GSTT1;ENSG00000235231;ENSG0				
cg16132339	chr22	24313637	0000272787	0.290193	2.035492	0.043347	0.947155
cg26441499	chr7	1.09E+08		0.300748	2.036862	0.043208	0.946792
cg03816062	chr2	1.01E+08		-0.25232	-2.03737	0.043156	0.946667
cg00284390	chr16	84492635		-0.2317	-2.03497	0.043399	0.947155
cg20673132	chr19	1368815		0.20637	2.037324	0.043161	0.946667
cg04631163	chr11	17905972		-0.26631	-2.03514	0.043383	0.947155
cg05603527	chr2	71131629	DYSF	0.282095	2.035284	0.043368	0.947155
cg14175304	chr17	78237397		-0.26323	-2.03474	0.043423	0.947155
cg21068522	chr14	32671479		0.238136	2.037281	0.043165	0.946667
cg02998591	chr4	1.88E+08		0.292463	2.037271	0.043166	0.946667
cg15896560	chr1	2.46E+08	HNRNPU-AS1	-0.2054	-2.03467	0.04343	0.947155
cg01071289	chr6	1.63E+08		-0.21828	-2.03837	0.043055	0.946515
cg04498190	chr1	1.55E+08	YY1AP1;ASH1L-AS1	-0.17357	-2.0386	0.043032	0.946515
cg12717612	chr20	56321500		-0.23928	-2.03562	0.043334	0.947155
cg02294687	chr1	1.83E+08		-0.17633	-2.03493	0.043404	0.947155
cg26744402	chr11	28588618	KIF18A	0.29397	2.038156	0.043077	0.946515
cg12947757	chr6	33146725		-0.17237	-2.03403	0.043496	0.947337
cg00772192	chr7	48552817	PKD1L1	0.29466	2.037712	0.043122	0.946612

cg19298821	chr5	1.26E+08		-0.26615	-2.03973	0.042918	0.946266
cg01381829	chr22	40573054	MKL1	-0.32781	-2.03727	0.043166	0.946667
cg24674635	chr20	6750696		-0.23554	-2.03639	0.043256	0.947134
cg19535609	chr12	1.23E+08		0.208624	2.036985	0.043195	0.946777
cg09305117	chr17	34842619	SLFN12L	-0.12686	-2.03627	0.043268	0.947134
cg25735572	chr11	1159315		-0.19303	-2.03442	0.043456	0.947279
cg18008766	chr2	38978896	CYP1B1	0.261333	2.038283	0.043064	0.946515
cg05672554	chr16	68543779	TSNAXIP1;ENKD1;SLC7A6OS	-0.20403	-2.03485	0.043412	0.947155
cg12701768	chr10	75597445		-0.19266	-2.03469	0.043429	0.947155
cg15164446	chr8	1.44E+08		-0.2058	-2.03433	0.043465	0.947298
cg17725807	chr21	34601817	ITSN1	0.315886	2.035413	0.043355	0.947155
cg04781741	chr7	1.52E+08	RHEB	-0.25162	-2.03627	0.043268	0.947134
cg24560898	chr10	1.35E+08		-0.21048	-2.03653	0.043242	0.947097
cg05164926	chr17	7255624		0.465947	2.035504	0.043346	0.947155
cg01812146	chr1	94704178	MTND4P11	0.247133	2.034634	0.043434	0.947155
cg20602914	chr7	5404813	RNF216	-0.3072	-2.03353	0.043547	0.947515
cg07854954	chr4	83348086		0.282925	2.035942	0.043301	0.947155
cg25361447	chr6	33264834	HSD17B8	0.296135	2.033794	0.04352	0.94746
cg06433801	chr4	83384006	ENOPH1;LIN54	0.292115	2.036745	0.04322	0.946818
cg25609507	chr10	50821597		0.360523	2.037158	0.043178	0.946667
cg27262870	chr11	1.22E+08		-0.35198	-2.03672	0.043222	0.946818
cg12612118	chr6	392555		0.280912	2.036313	0.043263	0.947134
cg26127836	chr12	14926744		0.513565	2.035786	0.043317	0.947155
cg23500122	chr3	1.72E+08		0.235244	2.038476	0.043044	0.946515

cg10648629	chr5	1.75E+08		-0.27415	-2.03529	0.043367	0.947155
cg01295600	chr6	32812332	WDR46	-0.17784	-2.03717	0.043176	0.946667
cg01807825	chr4	80329368	C4orf22;ENSG00000232327	-0.34822	-2.03461	0.043437	0.947155
cg11977139	chr19	47969574		0.321717	2.034706	0.043427	0.947155
cg04122873	chr6	28956226		0.440787	2.03691	0.043203	0.946777
cg16895719	chr8	25899257		0.207523	2.035571	0.043339	0.947155
cg12164955	chr13	1.07E+08		-0.20087	-2.04041	0.042849	0.946266
cg22966109	chr19	18434177		-0.1843	-2.03731	0.043163	0.946667
cg23384428	chr6	1.54E+08		0.229332	2.036972	0.043196	0.946777
cg26062476	chr14	1.04E+08	MOK;ENSG00000259508;HSP90AA1;TRAF3	0.53185	2.03947	0.042944	0.9463
cg12517577	chr1	43769489	PTPRF;TMEM125;TIE1;KDM4A;LEPRE1;SLC6A9;TMSB4XP1;CCDC24;CCDC30;ST3GAL3;EBNA1BP2	-0.25471	-2.03489	0.043408	0.947155
cg02381192	chr7	1452425		0.262054	2.033211	0.043579	0.947568
cg26256793	chr1	1.04E+08		-0.36352	-2.03488	0.043409	0.947155
cg10617782	chr7	21070977	MACC1;ENSG00000271133	-0.23831	-2.03601	0.043294	0.947155
cg13800022	chr10	33246313		-0.21933	-2.03513	0.043384	0.947155
cg01497561	chr11	1.13E+08		0.269358	2.034992	0.043398	0.947155
cg23221791	chr6	73520383		-0.29384	-2.03953	0.042938	0.946266
cg15558969	chr2	748534		0.299097	2.034332	0.043465	0.947298

cg19715936	chr7	50634035		0.24749	2.037639	0.043129	0.946612
cg08349497	chr3	76610928		-0.41764	-2.03482	0.043415	0.947155
cg12255352	chr13	24375209		0.323861	2.034064	0.043492	0.947337
cg25546248	chr13	28395783		0.270324	2.034838	0.043413	0.947155
cg24142735	chr11	33276523		-0.19955	-2.03607	0.043288	0.947155
cg14943113	chr14	95240444		0.263027	2.034892	0.043408	0.947155
cg13587621	chr9	95497984	SUSD3;FGD3;CENPP;OMD	-0.23956	-2.03502	0.043394	0.947155
cg07136715	chr1	2.3E+08		0.302221	2.035213	0.043375	0.947155
cg08253494	chr19	33696285		-0.2121	-2.03989	0.042901	0.946266
cg24185576	chr11	30607360		0.277825	2.033796	0.043519	0.94746
cg22918634	chr14	73392931		0.15572	2.036293	0.043265	0.947134
cg07832203	chr1	1.61E+08		0.155379	2.035585	0.043337	0.947155
cg06316502	chr10	348989		0.177377	2.034429	0.043455	0.947279
cg10266188	chr1	32645867		-0.30024	-2.0349	0.043406	0.947155
cg18699526	chr5	2132878		-0.30748	-2.0343	0.043468	0.947298
cg07008938	chr1	1.73E+08		0.20256	2.036652	0.043229	0.946891
cg15085372	chr3	1.31E+08		-0.21442	-2.03511	0.043385	0.947155
cg20415365	chr1	2.03E+08		0.218926	2.035033	0.043393	0.947155
cg17543296	chr1	20880378	MINOS1;PLA2G5	0.243726	2.034554	0.043442	0.947217
cg15649710	chr11	75907205	ARRB1	-0.25146	-2.03176	0.043727	0.948459
cg21833366	chr12	1.31E+08		0.240961	2.035268	0.04337	0.947155
cg21315098	chr2	1.9E+08		-0.32488	-2.03496	0.043401	0.947155
cg03995361	chr3	42575730		-0.22709	-2.0324	0.043663	0.94812
cg03060764	chr7	4260967		-0.26061	-2.03298	0.043603	0.947568

cg17619347	chr7	1E+08		0.210264	2.034653	0.043432	0.947155
cg00635599	chr16	14165630		-0.17187	-2.03599	0.043296	0.947155
cg21091985	chr6	31706222	TNXB;LST1;HLA-B;HCP5;DDAH2;HLA-DRA;MICA	-0.31092	-2.03927	0.042964	0.946398
cg12993663	chr11	1.18E+08		0.217071	2.035728	0.043323	0.947155
cg12636607	chr6	1.12E+08		-0.33015	-2.03357	0.043542	0.947496
cg18891037	chr11	1.13E+08		0.225771	2.035368	0.043359	0.947155
cg08273233	chr6	87724979	ST13P16;ENSG00000218793	-0.31924	-2.03412	0.043486	0.947337
cg10557552	chr14	1.03E+08	DIO3OS;TRAF3;TNFAIP2	0.343598	2.033233	0.043577	0.947568
cg09507790	chr18	19752343	SNRPD1;CABLES1	0.312001	2.034663	0.043431	0.947155
cg18012114	chr4	1.87E+08		-0.27234	-2.0342	0.043478	0.947337
cg20053845	chr10	1.33E+08		0.21916	2.033659	0.043533	0.947496
cg23410220	chr14	93799762		-0.15699	-2.0356	0.043336	0.947155
cg21821755	chr7	88315898		0.216624	2.033935	0.043505	0.947388
cg17549853	chr21	46932386		0.24762	2.034086	0.04349	0.947337
cg13810660	chr11	66176168		-0.24814	-2.03474	0.043424	0.947155
cg18791136	chr2	2.01E+08		-0.304	-2.03213	0.04369	0.948416
cg14232289	chr17	71161796		-0.17698	-2.03272	0.043629	0.947699
cg13394491	chr5	15737401	ANKH;RBBP4P1	0.284208	2.035303	0.043366	0.947155
cg16289491	chr5	1.32E+08		0.222198	2.034653	0.043432	0.947155
cg22830638	chr2	73209573	RAB11FIP5	-0.30315	-2.03241	0.043661	0.94812
cg18240143	chr14	60952599		0.208172	2.032061	0.043697	0.948416

cg23352492	chr17	80823397	SECTM1	0.395205	2.034894	0.043408	0.947155
cg04774581	chr10	1.34E+08		-0.14994	-2.03358	0.043542	0.947496
cg19375539	chr2	64008069		0.256124	2.033753	0.043524	0.947474
cg15249119	chr12	1.25E+08	ENSG00000247373	-0.3225	-2.03294	0.043606	0.947568
cg22731981	chr11	34535579	CD44;ELF5;LMO2;ENSG00000251194;ENSG00000184566;CD59;PAMR1;SLC1A2	0.444412	2.035617	0.043334	0.947155
cg18392540	chr1	2.13E+08		-0.24996	-2.03423	0.043475	0.947337
cg09683413	chr2	16400723		-0.26465	-2.03342	0.043558	0.947568
cg18905161	chr6	84742998		-0.20785	-2.03296	0.043605	0.947568
cg02169857	chr2	1.11E+08		-0.53892	-2.03303	0.043598	0.947568
cg08377888	chr19	12948848		0.27095	2.032854	0.043616	0.947595
cg09788666	chr13	41345475		-0.18299	-2.03692	0.043202	0.946777
cg10851350	chr6	31600597	AIF1	-0.25785	-2.03445	0.043453	0.947279
cg17037101	chr11	2161314	CDKN1C	0.304695	2.036473	0.043247	0.947134
cg16194292	chr7	1.01E+08	FAM185A	-0.26907	-2.03664	0.04323	0.946891
cg02769614	chr6	32135052		0.403907	2.034035	0.043495	0.947337
cg09753043	chr11	43596920		0.196952	2.031271	0.043778	0.948459
cg26144070	chr21	45874614		0.259742	2.034307	0.043467	0.947298
cg13920792	chr2	2.35E+08		-0.22396	-2.03187	0.043717	0.948459
cg22526288	chr12	1.2E+08	RNU4-1	-0.23027	-2.03435	0.043463	0.947298
cg21301805	chr1	1.2E+08		0.332422	2.035483	0.043348	0.947155
cg16832407	chr9	73736539		0.281594	2.034618	0.043436	0.947155

cg05182583	chr6	31598464		-0.22664	-2.03402	0.043497	0.947337
cg02569138	chr2	2.17E+08		0.295973	2.033505	0.043549	0.947522
cg24382338	chr3	20231061		-0.33544	-2.03208	0.043695	0.948416
cg03037856	chr2	2.2E+08	DES	0.269845	2.032991	0.043602	0.947568
cg10508760	chr1	1.67E+08		0.244603	2.033377	0.043562	0.947568
cg07061355	chr8	1.18E+08		0.242088	2.034631	0.043434	0.947155
cg00647046	chr10	1.35E+08	LRRC27;TTC40	-0.33968	-2.03567	0.043329	0.947155
cg19821582	chr14	32670656		-0.13387	-2.03281	0.04362	0.94762
cg08753331	chr8	1895010	ARHGEF10	-0.20068	-2.03645	0.043249	0.947134
cg11937768	chr10	65344030		0.525322	2.031331	0.043772	0.948459
cg18951135	chr2	2.02E+08		-0.29637	-2.03146	0.043758	0.948459
cg03562978	chr14	1.01E+08	ENSG00000225746	-0.28274	-2.034	0.043498	0.947337
cg19113641	chr2	20866242		0.183845	2.03209	0.043694	0.948416
cg12972643	chr3	1.97E+08		-0.12768	-2.03404	0.043494	0.947337
cg22491927	chr19	13617091	ZNF709	0.270692	2.033395	0.04356	0.947568
cg06181463	chr3	64009142		0.159622	2.033841	0.043515	0.947451
cg17960442	chr5	1.11E+08	EPB41L4A	-0.21455	-2.03358	0.043542	0.947496
cg10953655	chr17	46656664		0.29462	2.030294	0.043878	0.94883
cg12110529	chr3	1.41E+08		-0.20095	-2.03453	0.043444	0.947217
cg15022420	chr7	1.57E+08		-0.3297	-2.03336	0.043564	0.947568
cg00008665	chr3	43146780	ZNF662;FAM198A	0.290853	2.032179	0.043685	0.948395
cg13698611	chr9	35545376		0.235528	2.033313	0.043569	0.947568
cg18969411	chr6	26521272		-0.24362	-2.03179	0.043724	0.948459
cg13857933	chr1	2.08E+08	FAIM3;CR1;PIGR;CD46;PLXNA2	-0.24622	-2.03201	0.043702	0.94843

cg08570243	chr2	1.11E+08		-0.61094	-2.03325	0.043575	0.947568
cg18839416	chr1	12805849		-0.21799	-2.03146	0.043759	0.948459
cg23504463	chr6	70876463		-0.23022	-2.03209	0.043694	0.948416
cg18137931	chr6	28984374		0.372278	2.031016	0.043804	0.948463
cg18029321	chr5	1.4E+08	DIAPH1	0.615675	2.0334	0.04356	0.947568
cg17881200	chr7	27138850		0.340437	2.031345	0.04377	0.948459
cg04123685	chr22	36897340		0.258003	2.031197	0.043785	0.948459
cg04163540	chr7	30174240		-0.12944	-2.03316	0.043584	0.947568
cg02930033	chr7	1.57E+08		0.235896	2.032719	0.043629	0.947699
cg13983566	chr15	64336065		-0.20879	-2.03225	0.043677	0.948327
cg24149904	chr8	6691719		0.207724	2.032389	0.043663	0.94812
cg09258022	chr7	6057349		0.298831	2.034787	0.043418	0.947155
cg10288541	chr7	1.57E+08		0.275013	2.030045	0.043903	0.948843
cg10453550	chr4	1.22E+08	BBS7	-0.24033	-2.03843	0.043049	0.946515
cg09278540	chr4	74719112		0.285326	2.034722	0.043425	0.947155
cg11298989	chr19	54960853		0.141631	2.034161	0.043482	0.947337
cg15417498	chr9	94187181		0.22844	2.032204	0.043682	0.948387
cg00331183	chr16	88587885		0.178476	2.031199	0.043785	0.948459
cg22967612	chr20	44601165		-0.17054	-2.03094	0.043812	0.948463
cg05484691	chr10	321879	GTPBP4;PRR26	-0.16474	-2.03314	0.043586	0.947568
cg23473088	chr12	54529138		-0.23203	-2.03315	0.043586	0.947568
cg06796120	chr17	80772942	PYCR1	0.271585	2.030095	0.043898	0.948843
cg20876760	chr6	9399379		0.438713	2.032909	0.04361	0.947568
cg07221967	chr1	18969717		0.185087	2.033589	0.043541	0.947496
cg13426876	chr1	18691894		-0.29094	-2.0315	0.043755	0.948459

cg11881735	chr12	30945390	DENND5B;FAM60A	-0.43976	-2.03179	0.043724	0.948459
cg18625951	chr7	1.48E+08		0.217541	2.031941	0.043709	0.948459
cg25282951	chr1	15095376		-0.28262	-2.02996	0.043913	0.948843
cg14483383	chr11	64022763		0.216135	2.03109	0.043796	0.948463
cg06520675	chr10	1.03E+08		0.206458	2.031507	0.043753	0.948459
cg00238805	chr2	2.4E+08	ENSG00000232306	-0.27914	-2.03075	0.043831	0.948657
cg16302617	chr3	1.17E+08		0.26882	2.032275	0.043675	0.948327
cg25901381	chr7	27225485		0.25109	2.030211	0.043886	0.948843
cg19077761	chr13	46956959		0.303602	2.033744	0.043525	0.947474
cg10577713	chr1	2.04E+08		-0.21489	-2.03179	0.043725	0.948459
cg01190974	chr2	97650711		-0.19792	-2.03395	0.043504	0.947388
cg00336320	chr6	36253099	MAPK13	0.289826	2.030949	0.043811	0.948463
cg18885346	chr6	51953114		-0.29839	-2.03127	0.043778	0.948459
cg25581222	chr15	64539239	FAM96A;APH1B;CA12	-0.39963	-2.03386	0.043513	0.947451
cg17403609	chr5	1.8E+08		0.304138	2.032709	0.04363	0.947699
cg22365063	chr1	2.31E+08		0.135454	2.030717	0.043834	0.948657
cg07415085	chr11	48977834		-0.20765	-2.03027	0.04388	0.948831
cg03732762	chr21	34443010		0.234426	2.032676	0.043634	0.947724
cg01287012	chr5	95954300		-0.31244	-2.03052	0.043854	0.948657
cg05889234	chr10	1.03E+08		0.263592	2.03148	0.043756	0.948459
cg14759931	chr18	77631636	RBFADN	0.233558	2.031856	0.043718	0.948459
cg02085077	chr16	88877767		0.141125	2.03356	0.043543	0.947496
cg18657643	chr3	1.96E+08		0.375427	2.032898	0.043611	0.947568
cg27327307	chr19	1949981		-0.19696	-2.03101	0.043805	0.948463

cg15255797	chr7	1.5E+08	GIMAP8;ATG9B	0.247559	2.032898	0.043611	0.947568
cg00671161	chr13	52586367		0.117764	2.031426	0.043762	0.948459
cg21151057	chr7	1.57E+08		0.224687	2.031274	0.043777	0.948459
cg12302428	chr19	52408520	SIGLEC9;ENSG00000167765	0.29567	2.030378	0.043869	0.948692
cg10925518	chr14	36698832		-0.33092	-2.03046	0.043861	0.948657
cg10837404	chr5	1.12E+08		-0.41187	-2.03089	0.043817	0.948515
cg06103377	chr15	39771589		0.315469	2.030534	0.043853	0.948657
cg01337515	chr21	46131737		-0.23506	-2.03161	0.043743	0.948459
cg18036535	chr8	55087818		-0.24498	-2.03052	0.043855	0.948657
cg17239678	chr1	38273928	FHL3	-0.14543	-2.03145	0.043759	0.948459
cg05904411	chr18	46990953		-0.31256	-2.02998	0.04391	0.948843
cg14396328	chr7	45761429		0.234449	2.030203	0.043887	0.948843
cg16557370	chr13	27295982		0.333295	2.029995	0.043909	0.948843
cg03758918	chr6	45389877		0.217398	2.031124	0.043793	0.948463
cg05348793	chr16	14041557		-0.24392	-2.03203	0.0437	0.94843
cg18807466	chr14	64932715		0.370932	2.030102	0.043898	0.948843
cg11100765	chr1	31886797		-0.19423	-2.03408	0.04349	0.947337
cg12278799	chr22	36903320		0.149874	2.031563	0.043748	0.948459
cg15910594	chr11	68747554		0.342711	2.031349	0.04377	0.948459
cg02843349	chr8	72917432		0.237791	2.033692	0.04353	0.947496
cg11761200	chr2	79349970		-0.29888	-2.03136	0.043768	0.948459
cg01684318	chr3	1.83E+08		-0.1655	-2.02974	0.043935	0.948985
cg13662851	chr12	48723821		-0.27136	-2.02846	0.044066	0.949163
cg06148480	chr2	1.62E+08		0.241079	2.033158	0.043585	0.947568

cg00769112	chr19	3981163		0.192231	2.030465	0.04386	0.948657
cg05194481	chr10	403383		-0.21544	-2.0312	0.043785	0.948459
cg08692688	chr20	30220503		0.286731	2.029853	0.043923	0.948947
cg13050357	chr4	1332618		-0.16379	-2.03296	0.043605	0.947568
cg20344326	chr6	1.38E+08		-0.24677	-2.02951	0.043958	0.949017
cg11153400	chr22	46449498	ENSG00000241990	-0.40106	-2.02932	0.043978	0.949017
cg08332074	chr16	51189941		0.212486	2.032999	0.043601	0.947568
cg20094111	chr3	1.16E+08		-0.3302	-2.03335	0.043565	0.947568
cg10179300	chr5	14147618	TRIO;ANKH	0.30885	2.029177	0.043993	0.949017
cg23197935	chr19	53031138	ZNF649	0.185414	2.033621	0.043537	0.947496
cg07972805	chr11	1.34E+08		-0.47287	-2.02858	0.044054	0.949163
cg02562344	chr6	28985894		0.310047	2.031142	0.043791	0.948463
cg22416769	chr21	43236431		-0.23033	-2.03239	0.043663	0.94812
cg26588699	chr20	3637463		-0.30183	-2.02953	0.043956	0.949017
cg08273874	chr16	1060765		0.17542	2.03142	0.043762	0.948459
cg20076442	chr8	72745197		0.355781	2.027816	0.044133	0.94923
cg07616499	chr10	30324789		-0.25333	-2.03051	0.043856	0.948657
cg25996904	chr7	99627941		-0.15986	-2.03465	0.043432	0.947155
cg19014214	chr11	1.22E+08	SORL1;CRTAM;HSPA8	0.256081	2.031221	0.043783	0.948459
cg26650846	chr5	1.79E+08		-0.18482	-2.03002	0.043906	0.948843
cg04453488	chr8	1.46E+08		-0.18218	-2.02979	0.04393	0.948979
cg00793795	chr8	1.01E+08		-0.26119	-2.02998	0.04391	0.948843
cg00647741	chr19	58693450		0.263787	2.031592	0.043745	0.948459
cg06644998	chr2	2.01E+08		-0.37427	-2.03155	0.043749	0.948459

cg21941821	chr22	39712633	TOMM22;MIEF1;FAM227A	-0.20382	-2.03117	0.043788	0.948463
cg03818055	chr2	1.34E+08		-0.30521	-2.03047	0.04386	0.948657
cg20938665	chr11	6341842		0.264474	2.030111	0.043897	0.948843
cg11548411	chr10	1.03E+08		0.246647	2.028063	0.044108	0.949188
cg19225280	chr6	34846110		0.170513	2.029489	0.043961	0.949017
cg15907473	chr13	95253641		0.387961	2.02869	0.044043	0.949163
cg07392385	chr10	1.09E+08		0.280595	2.032509	0.043651	0.948047
cg14106167	chr9	23851770		0.264961	2.029319	0.043978	0.949017
cg08471835	chr19	20278423	ZNF826P	0.198136	2.031676	0.043736	0.948459
cg03778899	chr10	93682808		-0.34757	-2.02901	0.04401	0.949017
cg05016401	chr16	29874803		-0.1894	-2.02961	0.043949	0.949017
cg14100973	chr4	87280816		0.348756	2.029519	0.043958	0.949017
cg22787604	chr8	1509810		0.248398	2.030514	0.043855	0.948657
cg01184520	chr16	75032509		-0.17617	-2.03284	0.043617	0.947595
cg27431545	chr2	1.74E+08		0.280759	2.030106	0.043897	0.948843
cg04203298	chr11	59521722		-0.19709	-2.02865	0.044047	0.949163
cg04068601	chr20	2844713		0.18828	2.030478	0.043859	0.948657
cg27438832	chr17	77919434		-0.1823	-2.03158	0.043746	0.948459
cg04332258	chr3	1.95E+08		-0.18626	-2.02892	0.04402	0.949017
cg00944227	chr8	1.24E+08		-0.28879	-2.0288	0.044032	0.9491
cg09623773	chr7	1.55E+08		-0.39144	-2.02894	0.044018	0.949017
cg18750049	chr11	1.04E+08		-0.19421	-2.03426	0.043472	0.947331
cg04636406	chr12	6993009	VWF;ANO2;CLSTN3;C1RL;IFFO1;C1R	-0.31582	-2.03078	0.043828	0.948657

cg11608893	chr6	32059542	LSM2;RNF5;CLIC1	-0.17741	-2.02899	0.044012	0.949017
cg25125298	chr5	71853215		0.228279	2.030769	0.043829	0.948657
cg22855274	chr2	64485830		-0.21409	-2.02937	0.043973	0.949017
cg06391563	chr6	33679659		-0.2168	-2.03139	0.043765	0.948459
cg18315040	chr15	99640746		0.229421	2.030394	0.043868	0.948692
cg21172814	chr1	1.8E+08		-0.21373	-2.0331	0.043591	0.947568
cg14802876	chr6	34217098	ENSG00000272374;SCUBE3;TCP1	-0.14157	-2.02912	0.043999	0.949017
cg00015343	chr11	44786266		-0.1958	-2.02897	0.044014	0.949017
cg16223436	chr10	97146550	BLNK	-0.25982	-2.03064	0.043843	0.948657
cg05598120	chr16	588482		-0.2024	-2.02819	0.044094	0.949188
cg16691033	chr19	291265		0.213565	2.02829	0.044084	0.949163
cg08257088	chr16	3726052		-0.20257	-2.03132	0.043773	0.948459
cg04283868	chr2	2.01E+08	TYW5;CFLAR-AS1	0.322248	2.028114	0.044102	0.949188
cg23989516	chr11	65554385		-0.15782	-2.02893	0.044019	0.949017
cg15316458	chr14	50087796		-0.16458	-2.02783	0.044131	0.94923
cg06061408	chr2	1.06E+08		-0.15987	-2.02854	0.044059	0.949163
cg04404489	chr13	79175210		0.219664	2.033296	0.04357	0.947568
cg16966201	chr10	50603359		-0.25155	-2.03046	0.043861	0.948657
cg07387813	chr3	40499408		-0.21274	-2.02905	0.044006	0.949017
ch.10.80061816F	chr10	80391810	PPIF	-0.29255	-2.02764	0.044151	0.949368
cg02929786	chr17	4646237		0.170307	2.027872	0.044127	0.94923
cg01019484	chr6	44499229		-0.25241	-2.02971	0.043938	0.948985
cg26957560	chr18	77308241		-0.2248	-2.02898	0.044013	0.949017
cg09274094	chr12	21810759		0.172626	2.031632	0.043741	0.948459

cg27585641	chr5	73024506	GFM2;ARHGEF28	0.35739	2.031	0.043805	0.948463
cg15277658	chr10	73421701		-0.25516	-2.03043	0.043864	0.948678
cg05556020	chr1	2.04E+08		-0.20252	-2.02969	0.04394	0.948985
cg14071496	chr9	14322503		-0.16534	-2.02896	0.044015	0.949017
cg18949192	chr12	1.15E+08		0.399535	2.027235	0.044193	0.949526
cg21495139	chr14	1.05E+08		0.240478	2.029256	0.043985	0.949017
cg10419178	chr11	473674		-0.2151	-2.02836	0.044077	0.949163
cg09437360	chr17	37354084	PSMD3;ENSG00000174093;RPL19;PSMB3;RPL23	-0.15301	-2.02798	0.044116	0.94923
cg03547017	chr17	37031281	PIP4K2B	0.282877	2.02788	0.044126	0.94923
cg15270235	chr3	1.96E+08		0.275947	2.026731	0.044245	0.949526
cg27002826	chr5	1.77E+08		-0.2566	-2.02782	0.044133	0.94923
cg20794512	chr6	32166736	LSM2	-0.267	-2.0291	0.044001	0.949017
cg24298684	chr20	54823878		-0.27535	-2.02698	0.04422	0.949526
cg17150809	chr6	99461062		-0.27497	-2.02781	0.044134	0.94923
cg16431687	chr12	89919797		0.162934	2.028391	0.044074	0.949163
cg04665974	chr16	30103391		0.133241	2.027808	0.044134	0.94923
cg03909097	chr20	30555528	FRG1B	-0.20058	-2.02922	0.043988	0.949017
ch.3.638689R	chr3	31240746		-0.37782	-2.02853	0.04406	0.949163
cg18372600	chr10	24835533		-0.32188	-2.029	0.044011	0.949017
cg10313879	chr1	2100435		-0.27541	-2.02831	0.044082	0.949163
cg18649464	chr3	65181932	ADAMTS9-AS2	-0.27668	-2.02829	0.044084	0.949163
cg03321319	chr22	22222323		0.170959	2.027097	0.044207	0.949526
cg23691090	chr22	46449981		-0.65834	-2.027	0.044218	0.949526

cg19564408	chr4	1.1E+08		0.256014	2.029943	0.043914	0.948843
cg24508143	chr4	56501441		-0.30476	-2.02977	0.043931	0.948979
cg09095400	chr13	1.14E+08		0.185119	2.031931	0.04371	0.948459
cg03550794	chr7	1E+08		0.177782	2.029427	0.043967	0.949017
cg18417201	chr3	4403007		0.224549	2.029614	0.043948	0.949017
cg26400113	chr6	1.38E+08	KIAA1244;IL20RA;PEX7	-0.37562	-2.02753	0.044163	0.949462
cg16978398	chr7	98047885		0.22818	2.027851	0.044129	0.94923
cg08758727	chr4	17490571	LDB2;NCAPG;LCORL	-0.1582	-2.02829	0.044084	0.949163
cg21742383	chr6	31870100		0.165344	2.027601	0.044155	0.949402
cg11876132	chr22	25348250		0.185091	2.028141	0.0441	0.949188
cg08362273	chr17	46719577	UBE2Z	0.269636	2.027646	0.044151	0.949368
cg11601115	chr21	41129855		-0.2416	-2.0293	0.04398	0.949017
cg09692335	chr3	48507596		0.18932	2.029889	0.043919	0.948914
cg03466124	chr3	1.79E+08	KCNMB2;NDUFB5;KCNMB3;LINC01014	0.504363	2.027044	0.044213	0.949526
cg13831922	chr17	12569213		0.234613	2.028461	0.044066	0.949163
cg25188006	chr3	350503	ENSG00000224957	0.365446	2.029536	0.043956	0.949017
cg21281234	chr1	2.13E+08		-0.1542	-2.02771	0.044144	0.949342
cg10469100	chr3	44690127		0.269171	2.029191	0.043991	0.949017
cg18200760	chr1	1.08E+08		-0.23851	-2.02719	0.044198	0.949526

cg22712983	chr2	2.19E+08	PNKD;TTLL4;CCDC108;GLB1L;TUBA4B;DNAJB2;C2orf62;STK36;RQCD1;TNS1;SLC11A1;STK16;CXCR2;WNT10A;PLCD4;ANKZF1	0.560312	2.031036	0.043802	0.948463
cg24966406	chr20	366345		-0.22372	-2.03148	0.043756	0.948459
cg16206743	chr13	37633760		-0.17595	-2.0265	0.044269	0.949526
cg24405716	chr15	31280513		0.196096	2.029334	0.043977	0.949017
cg19297688	chr9	5231360	PDCD1LG2;ERMP1;SLC1A1;KIAA2026	-0.44023	-2.02839	0.044074	0.949163
cg09469566	chr13	1.13E+08		0.364227	2.027693	0.044146	0.949342
cg27144453	chr2	7172511		0.165602	2.026823	0.044236	0.949526
cg03041841	chr9	1.4E+08	LCNL1;PTGDS	0.361742	2.029417	0.043968	0.949017
ch.14.1558261F	chr14	95593869		0.30495	2.028852	0.044026	0.949062
cg00022871	chr17	43884358		-0.2604	-2.02531	0.044393	0.949526
cg10036510	chr7	23146155		-0.18364	-2.02982	0.043927	0.948974
cg13541073	chr17	61505609	TANC2;C17orf72;ENSG00000272383	0.282012	2.028792	0.044032	0.9491
cg27385757	chr6	30656024	HLA-A;LST1;HLA-C;HLA-B;TRIM39;HCP5;AIF1;LTB	-0.14373	-2.02867	0.044045	0.949163
cg11098259	chr15	58430391	AQP9;FAM63B	-0.27981	-2.03052	0.043855	0.948657
cg01047124	chr12	44153217		-0.24855	-2.03105	0.043801	0.948463

cg00134787	chr17	10419499		-0.27093	-2.02952	0.043958	0.949017
cg09934219	chr15	79254338	ADAMTS7	0.301262	2.026599	0.044259	0.949526
cg23003290	chr6	1.59E+08		0.24007	2.028096	0.044104	0.949188
cg27309142	chr7	32801485		0.225361	2.028701	0.044042	0.949163
cg15490703	chr19	1295624		-0.21061	-2.02703	0.044214	0.949526
cg07090356	chr18	23668764		-0.34865	-2.02728	0.044188	0.949526
cg09817114	chr3	1.96E+08		0.20289	2.026811	0.044237	0.949526
cg03053893	chr17	71640369		-0.21194	-2.03001	0.043907	0.948843
cg19782061	chr4	1.74E+08		0.296436	2.033126	0.043588	0.947568
cg02857604	chr6	1080819		-0.28749	-2.02632	0.044288	0.949526
cg02550308	chr16	69310261		0.38578	2.027086	0.044208	0.949526
cg14060828	chr19	49926276		0.224656	2.025648	0.044357	0.949526
cg03577350	chr2	46293123		0.246661	2.027273	0.044189	0.949526
cg14426268	chr11	1.2E+08		-0.27883	-2.02665	0.044254	0.949526
cg08565056	chr2	1.19E+08		0.228399	2.027197	0.044197	0.949526
cg16203711	chr3	1.69E+08		-0.17956	-2.02819	0.044094	0.949188
cg05828005	chr6	28504908	ZNF165;ZSCAN12P1;PGBD1;ENSG00000272009;HIST1H2BN;NKAPL	0.334332	2.029074	0.044003	0.949017
cg06061692	chr5	55300130	ENSG00000264281	-0.19098	-2.02575	0.044347	0.949526
cg23185751	chr7	30720163		-0.2227	-2.02665	0.044254	0.949526
cg03885818	chr12	2299830		-0.31121	-2.02519	0.044405	0.949526
cg02374982	chr17	76472461		0.277738	2.026955	0.044222	0.949526
cg14290450	chr14	1.01E+08	MEG3;MEG8	-0.49487	-2.02602	0.044319	0.949526

cg06349909	chr12	51608175		0.187286	2.026344	0.044285	0.949526
cg20631104	chr4	81951446		0.232979	2.027566	0.044159	0.949431
cg03693064	chr11	94227380		-0.15386	-2.02815	0.044098	0.949188
cg05627029	chr10	1.23E+08		0.341393	2.028422	0.044071	0.949163
cg26841102	chr1	5574888		-0.21889	-2.02875	0.044037	0.949148
cg22407574	chr21	34960583		-0.23298	-2.03018	0.04389	0.948843
cg18431983	chr8	566323		0.338249	2.029296	0.04398	0.949017
cg22201588	chr19	11533499		-0.18832	-2.02671	0.044248	0.949526
cg02713153	chr8	1.45E+08		-0.21833	-2.02607	0.044314	0.949526
cg25634175	chr13	1.07E+08		-0.3044	-2.02831	0.044082	0.949163
cg27244082	chr6	31591556		0.265716	2.025852	0.044336	0.949526
cg21863207	chr12	1.04E+08		-0.19267	-2.02617	0.044303	0.949526
cg14833008	chr1	3731826		0.28047	2.026351	0.044285	0.949526
cg06034548	chr5	95194408	CAST;MCTP1	-0.30337	-2.02602	0.044319	0.949526
cg22869944	chr8	1.18E+08		-0.27429	-2.02525	0.044399	0.949526
cg25552893	chr1	2.37E+08		0.280756	2.025046	0.04442	0.949526
cg23467443	chr4	1.74E+08		-0.15237	-2.02714	0.044202	0.949526
cg07664976	chr15	25344488	ENSG00000261529	-0.25087	-2.02939	0.043971	0.949017
cg02738298	chr3	51749852	STAB1	-0.21644	-2.02474	0.044451	0.949526
cg01722450	chr18	61816636		0.257739	2.025171	0.044407	0.949526
cg01071459	chr5	92939654	KIAA0825;NR2F1;MTND5P12;ENSG00000232578	0.320341	2.02729	0.044187	0.949526
cg07813285	chr15	99281435		-0.22766	-2.02475	0.044451	0.949526
cg20592017	chr15	40364740		-0.32812	-2.02823	0.04409	0.949188

cg14123436	chr9	98544579		-0.27096	-2.03052	0.043855	0.948657
cg08157575	chr14	1.02E+08		-0.26551	-2.02689	0.044229	0.949526
cg11232610	chr5	1.4E+08		-0.24154	-2.02669	0.04425	0.949526
cg22937649	chr17	8926794		-0.33536	-2.02837	0.044076	0.949163
ch.5.7627R	chr5	35221274	ENSG00000215158;TTC23L	0.334182	2.026565	0.044262	0.949526
cg23443190	chr7	17702198	BZW2;AGR2	-0.32758	-2.02623	0.044297	0.949526
cg13569651	chr7	1.29E+08		-0.16637	-2.02555	0.044368	0.949526
cg14952312	chr17	72350710		-0.25305	-2.02696	0.044221	0.949526
cg08986765	chr4	1.53E+08		-0.19011	-2.02807	0.044106	0.949188
cg03670381	chr6	1.61E+08		0.207392	2.026129	0.044308	0.949526
cg21255605	chr3	14989131		-0.30363	-2.02588	0.044334	0.949526
cg06405341	chr17	63535223	PRKCA;AXIN2	0.270065	2.026721	0.044246	0.949526
cg06120425	chr2	1.49E+08		-0.14269	-2.02812	0.044102	0.949188
cg07964097	chr12	1.32E+08		0.200202	2.026747	0.044244	0.949526
cg26666978	chr21	47038531		-0.32	-2.02482	0.044443	0.949526
cg18647268	chr1	39735142	MACF1;HEYL;RHBDL2;KIAA0754	0.257708	2.026182	0.044302	0.949526
cg26757097	chr6	33260263	UQCC2;PFDN6	-0.30645	-2.02747	0.044169	0.949507
cg25140002	chr5	1.57E+08	NIPAL4	-0.24043	-2.02586	0.044335	0.949526
cg17749520	chr17	42466567		0.204354	2.025667	0.044355	0.949526
cg02026801	chr19	58817442		0.364311	2.026336	0.044286	0.949526
cg15995695	chr1	1.79E+08		0.340648	2.025639	0.044358	0.949526
cg11877129	chr12	1.29E+08		0.282823	2.026152	0.044305	0.949526
cg20522046	chr13	52024792		-0.30433	-2.0254	0.044383	0.949526

cg14909464	chr13	29107295		0.263492	2.023751	0.044554	0.949526
cg12797746	chr8	1110520	TDRP	-0.33383	-2.02534	0.04439	0.949526
cg16977711	chr19	56598916		0.226116	2.025441	0.044379	0.949526
cg02285791	chr6	27550747	NKAPL	0.335873	2.025476	0.044375	0.949526
cg17103705	chr17	26972054		0.125609	2.027824	0.044132	0.94923
cg20324969	chr8	1.45E+08		0.181895	2.028888	0.044023	0.949031
cg05163842	chr15	25484824		-0.13072	-2.02862	0.04405	0.949163
cg11750580	chr1	46088336		0.330933	2.02504	0.04442	0.949526
cg11726857	chr10	1745263		-0.25177	-2.0241	0.044518	0.949526
cg13656866	chr2	1.22E+08		-0.22313	-2.02667	0.044252	0.949526
cg06285575	chr16	31888794		-0.33672	-2.02657	0.044262	0.949526
cg14264496	chr1	3823918		-0.22538	-2.02836	0.044077	0.949163
cg08864375	chr6	1.68E+08	RNASET2	-0.39543	-2.0252	0.044404	0.949526
cg05065602	chr10	12940223		-0.2512	-2.02498	0.044427	0.949526
cg12220871	chr15	43658652		0.158405	2.024756	0.04445	0.949526
cg17261712	chr5	1.76E+08	PDLIM7	0.17585	2.025618	0.04436	0.949526
cg15337700	chr7	75931742		0.193193	2.026359	0.044284	0.949526
cg01003959	chr2	24345949		-0.19377	-2.02576	0.044346	0.949526
cg05462339	chr5	1.38E+08	SLC23A1;NME5	0.18628	2.029685	0.043941	0.948985
cg09120320	chr17	61926383	SMARCD2;STRADA;LRRC37A3;CEP95	0.209294	2.025043	0.04442	0.949526
cg21285782	chr1	1.55E+08		0.164919	2.023604	0.04457	0.949526
cg06700275	chr17	77041801		-0.25615	-2.02478	0.044448	0.949526
cg19180235	chr6	1.65E+08		-0.20045	-2.0291	0.044	0.949017
cg08134671	chr19	2542837	TLE2	0.380513	2.023389	0.044592	0.949526

cg08775835	chr16	31147044	CORO1A;ITGAX;ITGAL;ITGAM;ZNF629;ENSG00000260219	-0.32606	-2.02641	0.044279	0.949526
cg00467553	chr9	38391432		-0.1687	-2.02534	0.04439	0.949526
cg20602417	chr21	46410559		-0.3335	-2.0244	0.044487	0.949526
cg19189310	chr6	34393779	TCP11;SYNGAP1;ENSG00000272374;SCUBE3;BAK1	-0.18066	-2.02457	0.044469	0.949526
cg20738807	chr3	1.27E+08		0.202115	2.02612	0.044308	0.949526
cg18760621	chr1	1.58E+08	FCRL5	-0.17336	-2.02612	0.044309	0.949526
cg14523877	chr12	7080036		0.147508	2.024797	0.044446	0.949526
cg17688733	chr19	14201991		-0.18369	-2.02438	0.044489	0.949526
cg24431522	chr1	46091693		0.242229	2.024553	0.044471	0.949526
cg12594467	chr4	15005517		0.156219	2.025261	0.044397	0.949526
cg21020944	chr13	42845694		0.254133	2.026041	0.044317	0.949526
cg23471798	chr3	1.1E+08		-0.33564	-2.02624	0.044296	0.949526
cg10224088	chr1	1.54E+08	JTB	0.238618	2.025415	0.044382	0.949526
cg21010028	chr7	1969337		-0.21277	-2.02498	0.044427	0.949526
cg09795195	chr17	57642628		0.34884	2.0239	0.044539	0.949526
cg17744368	chr19	33369969		-0.21344	-2.02398	0.04453	0.949526
cg01722932	chr11	92702653		0.191687	2.023643	0.044566	0.949526
cg22911799	chr1	1.56E+08	YY1AP1;SH2D2A;SMG5	-0.20899	-2.02463	0.044463	0.949526
cg11254602	chr12	75703120		-0.25218	-2.02473	0.044453	0.949526
cg25278669	chr11	62521909		-0.13654	-2.02458	0.044468	0.949526

cg02535674	chr20	52226352	TSHZ2;BCAS1	-0.2695	-2.02564	0.044359	0.949526
cg11982805	chr1	56912823		0.331783	2.024718	0.044454	0.949526
cg16293105	chr19	52034970		0.50994	2.026053	0.044315	0.949526
cg08933615	chr1	1.49E+08		0.361835	2.024173	0.04451	0.949526
cg00577364	chr9	1.3E+08		0.173718	2.024443	0.044482	0.949526
cg13378400	chr11	17744494	NCR3LG1	-0.30216	-2.02342	0.044589	0.949526
cg26958615	chr6	27206664	HCG11	0.338782	2.024205	0.044507	0.949526
cg21502476	chr3	1.53E+08	ARHGEF26-AS1;ARHGEF26	-0.3701	-2.02531	0.044392	0.949526
cg20684718	chr10	13248241	ENSG00000239665	-0.23866	-2.02576	0.044346	0.949526
cg16337783	chr7	42971921		0.14882	2.023845	0.044545	0.949526
cg12734688	chr1	48308390	SPATA6;BEND5	-0.25846	-2.0264	0.04428	0.949526
cg15614872	chr7	1.59E+08		0.298144	2.027487	0.044167	0.949507
cg16452756	chr5	1.72E+08		-0.16008	-2.02431	0.044496	0.949526
cg10150686	chr2	26785332		-0.24365	-2.02778	0.044137	0.949245
cg21871154	chr2	1.69E+08		0.217337	2.023379	0.044593	0.949526
cg10717739	chr2	2.25E+08	SERPINE2	-0.14913	-2.02564	0.044358	0.949526
cg01061956	chr4	6404880		0.246673	2.02632	0.044288	0.949526
cg27452082	chr13	85937788		0.352548	2.025179	0.044406	0.949526
cg19549589	chr19	2723389	GIPC3;NFIC	-0.26125	-2.02604	0.044317	0.949526
cg19594470	chr12	86994755		0.262546	2.024711	0.044455	0.949526
cg09883745	chr3	40086528	CX3CR1;MYRIP	-0.36573	-2.02248	0.044687	0.94953
cg02303677	chr10	71177158	TACR2;PPA1	0.341572	2.024126	0.044515	0.949526
cg09581649	chr16	4572735		0.167507	2.023592	0.044571	0.949526
cg07372879	chr18	60190577		0.135399	2.02443	0.044484	0.949526

cg12390895	chr5	92946500	NR2F1-AS1;NR2F1;KIAA0825	-0.40915	-2.02591	0.04433	0.949526
cg16369288	chr3	44620726		0.207177	2.024228	0.044505	0.949526
cg17853302	chr1	51984744		0.164884	2.028026	0.044111	0.949223
cg02404739	chr11	58874608		-0.12993	-2.02644	0.044275	0.949526
cg12355677	chr6	1.68E+08		-0.25366	-2.02323	0.044609	0.949526
cg01008121	chr19	44809690		0.28875	2.026364	0.044283	0.949526
cg22094207	chr19	58382077		0.248401	2.023955	0.044533	0.949526
cg00319312	chr1	2.04E+08	PRELP;PPFIA4;FMOD;CYB5R1;TMEM183A	-0.33995	-2.02353	0.044578	0.949526
cg16136840	chr5	95997740		-0.17741	-2.0234	0.044591	0.949526
cg07842289	chr5	74328211		-0.22177	-2.02377	0.044552	0.949526
cg11118690	chr8	97351561		0.241332	2.025321	0.044391	0.949526
cg21837391	chr1	1159412		-0.24691	-2.02313	0.044619	0.949526
cg17918676	chr3	1.77E+08		-0.30688	-2.02658	0.044261	0.949526
cg09852008	chr1	10092689		-0.20132	-2.02711	0.044206	0.949526
cg23598080	chr1	1.8E+08		0.26729	2.024674	0.044458	0.949526
cg19546207	chr14	89493095		0.281625	2.025113	0.044413	0.949526
cg23649190	chr22	50252520		-0.25601	-2.02406	0.044522	0.949526
cg03298312	chr7	57509933		0.187317	2.024367	0.04449	0.949526
cg26574964	chr11	1.17E+08		-0.18569	-2.02269	0.044665	0.94953
cg20419724	chr2	55746998		0.277757	2.02664	0.044255	0.949526
cg01815626	chr12	52890212	ESPL1;ITGB7;ACVR1B	-0.30979	-2.02659	0.04426	0.949526
cg19039481	chr2	394115		-0.31388	-2.0246	0.044466	0.949526

cg18731327	chr3	1.47E+08		0.257115	2.022601	0.044674	0.94953
cg02808931	chr16	88503009	GALNS;TRAPPC2L	-0.27921	-2.02228	0.044708	0.949634
cg10655471	chr19	41025339		0.344526	2.023047	0.044628	0.949526
cg26461710	chr10	91470135		-0.35628	-2.02466	0.04446	0.949526
ch.9.28950438F	chr9	28960438		0.294745	2.024074	0.044521	0.949526
cg14193808	chr9	1.09E+08		-0.19142	-2.02373	0.044556	0.949526
cg14153511	chr20	45034743		0.152231	2.024443	0.044482	0.949526
cg25976451	chr19	3979988		0.164597	2.026484	0.044271	0.949526
cg03741653	chr8	22033396	TNFRSF10C;DMTN	-0.20771	-2.02593	0.044328	0.949526
cg13646859	chr7	39605790		-0.27645	-2.02249	0.044686	0.94953
cg01882767	chr3	44593598		-0.35211	-2.02304	0.044629	0.949526
cg26570165	chr1	1.2E+08		0.293634	2.023678	0.044562	0.949526
cg04856896	chr1	32665450	LCK;YARS;RNF19B;SERINC2;BAI2;DCDC2B	0.192805	2.022244	0.044711	0.949634
cg23657639	chr16	88852273		0.124276	2.026408	0.044279	0.949526
cg16599225	chr20	19997908		-0.17531	-2.0243	0.044497	0.949526
cg08420415	chr22	38477802		0.281683	2.023446	0.044586	0.949526
cg04412755	chr3	46939978		0.265423	2.023872	0.044542	0.949526
cg07898764	chr7	1.02E+08		-0.26262	-2.02601	0.04432	0.949526
cg26328150	chr8	1.41E+08		-0.26303	-2.02358	0.044572	0.949526
cg21039932	chr7	1.57E+08		-0.26302	-2.02465	0.044461	0.949526
cg07580975	chr1	2.01E+08	KIF21B;C1orf106	0.186509	2.022974	0.044635	0.949526
cg22056468	chr8	1.28E+08		0.243697	2.022384	0.044697	0.949593
cg06319822	chr16	215960		0.252311	2.024022	0.044526	0.949526

cg21155418	chr2	264767		-0.15827	-2.0238	0.044549	0.949526
cg13319468	chr13	27597730		-0.1927	-2.02485	0.04444	0.949526
cg03983008	chr5	1.79E+08		0.307013	2.023567	0.044574	0.949526
cg26196496	chr5	76247679		-0.23238	-2.02293	0.04464	0.949526
cg10647703	chr6	29708958		-0.2249	-2.02296	0.044637	0.949526
cg13873733	chr4	83352560	ENOPH1	-0.19077	-2.02565	0.044357	0.949526
cg26985818	chr4	58064691		-0.36843	-2.02468	0.044458	0.949526
cg04988219	chr7	27251396		0.249773	2.023614	0.044569	0.949526
cg17460200	chr19	47777129		-0.22492	-2.02355	0.044575	0.949526
cg04238199	chr5	7831537		-0.25017	-2.02232	0.044704	0.949634
cg09359933	chr19	4670669		0.299327	2.022925	0.04464	0.949526
cg19355079	chr19	23253218		0.317039	2.024806	0.044445	0.949526
cg06818159	chr4	16628713	PROM1	-0.28032	-2.03097	0.043809	0.948463
cg08619119	chr6	13575098		-0.22225	-2.02629	0.04429	0.949526
cg09929180	chr14	1.04E+08		-0.35138	-2.02193	0.044745	0.94978
cg15463309	chr8	1.42E+08		-0.31004	-2.02193	0.044745	0.94978
cg19846991	chr15	72411513		0.285174	2.027039	0.044213	0.949526
cg03074839	chr11	1.07E+08		-0.16633	-2.02369	0.04456	0.949526
cg22520791	chr5	1.79E+08		-0.2819	-2.02272	0.044662	0.94953
cg06271986	chr16	1181880	HS3ST6;NTHL1	-0.27061	-2.02586	0.044335	0.949526
cg09562322	chr12	1.19E+08		-0.15998	-2.0227	0.044664	0.94953
cg25314624	chr10	95256917		-0.26434	-2.02253	0.044681	0.94953
cg03075487	chr10	1.25E+08		-0.22836	-2.02561	0.044362	0.949526
cg02978827	chr13	48877687		-0.23933	-2.02398	0.04453	0.949526
cg26109093	chr4	1.4E+08		0.287838	2.022272	0.044709	0.949634

cg24192845	chr6	15497029		0.230573	2.026522	0.044267	0.949526
cg07994485	chr2	97652440		0.237516	2.021647	0.044774	0.949794
cg03881544	chr4	5712581		0.223556	2.024748	0.044451	0.949526
cg21101086	chr2	39836209		-0.30785	-2.02574	0.044347	0.949526
cg21471337	chr1	2.45E+08		-0.24719	-2.02512	0.044412	0.949526
cg01859118	chr10	32217565		-0.16713	-2.021	0.044841	0.949804
cg17782713	chr10	22613360		-0.29386	-2.0243	0.044497	0.949526
cg00971885	chr4	22588208		0.244337	2.02334	0.044597	0.949526
cg10837111	chr4	8127378		0.206649	2.023164	0.044616	0.949526
cg01281231	chr13	1.07E+08		-0.29048	-2.02394	0.044535	0.949526
cg12597389	chr7	8482235		0.356461	2.022084	0.044728	0.949752
cg00023001	chr17	55938748		0.19234	2.023615	0.044569	0.949526
cg14563165	chr9	1.3E+08		-0.15159	-2.02442	0.044484	0.949526
cg04500084	chr10	27703547		0.314527	2.022411	0.044694	0.949593
cg22494876	chr1	2.48E+08	SCCPDH	-0.40439	-2.02125	0.044816	0.949794
cg09845296	chr5	14094101		-0.31326	-2.02322	0.044609	0.949526
cg15000827	chr9	1.1E+08		0.335361	2.022899	0.044643	0.949526
cg07345521	chr20	62419810		-0.26194	-2.02251	0.044684	0.94953
cg24780966	chr18	13619641	ENSG00000267503	0.185213	2.024122	0.044516	0.949526
cg13751927	chr19	17000885		-0.30639	-2.02298	0.044635	0.949526
cg14737877	chr8	664783		0.191364	2.021812	0.044757	0.949794
cg18676237	chr6	2903258	RIPK1	0.23401	2.021874	0.04475	0.94978
cg27316598	chr3	72704361		0.35964	2.022571	0.044677	0.94953
cg07965774	chr1	17746286	CROCC	0.161581	2.024973	0.044427	0.949526
cg26918723	chr6	30812173	C6orf25	0.224583	2.02316	0.044616	0.949526

cg19245943	chr19	49403549	FUT1	-0.22713	-2.02379	0.04455	0.949526
cg18736739	chr3	1.85E+08		0.303346	2.021546	0.044784	0.949794
cg00905419	chr1	2839179		-0.27344	-2.02374	0.044555	0.949526
cg00703885	chr2	1.28E+08	LIMS2	0.224636	2.021378	0.044802	0.949794
cg21194015	chr5	1.34E+08		0.163254	2.023288	0.044603	0.949526
cg15463563	chr8	1.34E+08	NDRG1	-0.52879	-2.02095	0.044847	0.949804
cg16619899	chr8	915860		-0.21951	-2.02247	0.044688	0.94953
cg17087759	chr2	2.2E+08		-0.15517	-2.02291	0.044642	0.949526
cg17525674	chr3	13036145		0.15775	2.022611	0.044673	0.94953
cg15112475	chr7	1198522	ENSG00000229043	-0.2781	-2.02145	0.044794	0.949794
cg24963653	chr7	1.58E+08		-0.19194	-2.02575	0.044347	0.949526
cg22503060	chr12	92368774		0.244761	2.022494	0.044685	0.94953
cg21050392	chr11	1.26E+08		0.195093	2.024192	0.044509	0.949526
cg03171478	chr22	37572916	SOX10;CDC42EP1	0.224458	2.024113	0.044517	0.949526
cg05869007	chr4	1.66E+08		0.150234	2.02309	0.044623	0.949526
cg04757991	chr10	1.33E+08		-0.26675	-2.02172	0.044767	0.949794
cg15258080	chr10	71091204		0.198744	2.022824	0.044651	0.94953
cg24194539	chr6	1.07E+08		-0.16908	-2.02351	0.044579	0.949526
cg24172989	chr14	1.04E+08		0.252203	2.020756	0.044867	0.949949
cg04499015	chr6	33141696		-0.1938	-2.02114	0.044827	0.949804
cg15856626	chr3	1.41E+08		0.280164	2.021639	0.044775	0.949794
cg17543539	chr20	61045751	RPS21	0.195192	2.022785	0.044655	0.94953
cg09641325	chr7	1.34E+08		-0.21546	-2.02106	0.044835	0.949804
cg15261730	chr7	55280797		-0.24563	-2.02683	0.044235	0.949526
cg15613465	chr2	85830203		0.204194	2.02146	0.044793	0.949794

cg11958234	chr1	1.18E+08		-0.21973	-2.0203	0.044915	0.950092
cg11069338	chr11	1.3E+08	ADAMTS8;ST14;ADAMTS15	0.498406	2.023102	0.044622	0.949526
cg17918544	chr15	24123363		-0.20233	-2.02283	0.044651	0.94953
cg05527530	chr1	1.98E+08		0.198447	2.023342	0.044597	0.949526
cg14405785	chr9	93900983		-0.30719	-2.02377	0.044553	0.949526
cg02291403	chr12	1.31E+08		-0.26932	-2.02017	0.044928	0.950092
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cg10960681	chr22	43567465	TTLL12;PARVB;BIK;NFAM1	-0.34526	-2.02023	0.044923	0.950092
cg20270172	chr6	30876140		0.158507	2.021225	0.044818	0.949794
cg18760055	chr1	10788219	APITD1;CASZ1;UBE4B;FBXO6	0.297786	2.02295	0.044638	0.949526
cg24354624	chr19	40732728		0.189619	2.021349	0.044805	0.949794
cg16493813	chr8	17521952		-0.28118	-2.0233	0.044601	0.949526
cg08281791	chr5	76607845		0.31875	2.02213	0.044723	0.949721
cg15909132	chr17	42431109		0.354412	2.02152	0.044787	0.949794
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cg03858917	chr11	1929190	IGF2	0.314668	2.021719	0.044766	0.949794
cg27327475	chr4	1901358		-0.19757	-2.02215	0.044722	0.949721
cg00423364	chr11	850952		0.27114	2.020579	0.044886	0.950092
cg07781087	chr16	736823		-0.23377	-2.0237	0.04456	0.949526
cg14164839	chr1	26823481	FAM110D	0.252688	2.023776	0.044552	0.949526
cg22647670	chr17	2833657		0.178122	2.020742	0.044869	0.949949

cg05960502	chr15	25903875		0.358144	2.021023	0.044839	0.949804
cg10453420	chr4	3874006		0.415116	2.022233	0.044713	0.949634
cg24643706	chr6	28603779	HCG14	0.263851	2.021727	0.044765	0.949794
cg21209219	chr11	10952789		0.164607	2.022061	0.044731	0.949752
cg21734751	chr17	78896437		-0.24467	-2.02095	0.044846	0.949804
cg02462868	chr17	46712052	ABI3;PHOSPHO1;SNX11	0.255873	2.020283	0.044917	0.950092
cg02317651	chr13	44543031		0.205135	2.022131	0.044723	0.949721
cg06804344	chr3	1.29E+08	PLXND1;GATA2;ENSG00000244300	-0.31641	-2.02198	0.044739	0.94978
cg27108419	chr6	30095762		0.308828	2.021373	0.044802	0.949794
cg11174089	chr13	96447007	UGGT2	0.448574	2.023271	0.044604	0.949526
cg13209154	chr11	62106872		0.224572	2.019911	0.044956	0.950195
cg03929043	chr8	59463761		-0.23135	-2.02192	0.044746	0.94978
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cg06410591	chr19	6741181	ENSG00000267262	0.344825	2.020594	0.044884	0.950092
cg25315148	chr12	57579596		-0.28492	-2.02019	0.044926	0.950092
cg00708060	chr3	49208687		-0.14947	-2.02023	0.044922	0.950092
cg22894805	chr15	41983773		0.301585	2.023738	0.044556	0.949526
cg25992645	chr11	65244888		-0.13552	-2.02098	0.044844	0.949804
cg26447968	chr2	74682200		0.174147	2.021662	0.044772	0.949794
cg21482659	chr7	82073453		-0.29553	-2.0197	0.044977	0.950195
cg13890552	chr9	1.41E+08		-0.23394	-2.01941	0.045008	0.950195
cg04155862	chr3	1.28E+08		0.286736	2.020368	0.044908	0.950092
cg27384088	chr6	72298275		0.249964	2.022802	0.044653	0.94953

cg08891071	chr5	1.5E+08	SLC36A1;ZNF300P1;GPX3	0.26426	2.019461	0.045003	0.950195
cg08740477	chr5	1.08E+08		-0.13287	-2.02325	0.044607	0.949526
cg05415146	chr11	42429192		0.22238	2.025553	0.044367	0.949526
cg26468478	chr3	48693597		-0.13651	-2.02141	0.044799	0.949794
cg17805072	chr5	1.76E+08		-0.19304	-2.01951	0.044997	0.950195
cg10068539	chr11	63608207		-0.24804	-2.02143	0.044797	0.949794
cg12430455	chr1	2.09E+08		0.248806	2.021046	0.044837	0.949804
cg15044767	chr5	1.41E+08		0.296236	2.021281	0.044812	0.949794
cg23657190	chr10	1.35E+08		0.231053	2.020776	0.044865	0.949949
cg16563929	chr10	525898		-0.1417	-2.01952	0.044997	0.950195
cg03137522	chr6	1.17E+08		0.275774	2.021569	0.044782	0.949794
cg10296973	chr6	32967930		0.349663	2.024664	0.044459	0.949526
cg02425372	chr12	53074023	PFDN5	-0.23244	-2.01897	0.045054	0.950195
cg00267142	chr6	1.67E+08		0.253063	2.021276	0.044813	0.949794
cg19853516	chr18	52495981		-0.25258	-2.02198	0.044739	0.94978
cg05354929	chr6	37138953	CCDC167;RNF8;CMTR1	-0.20314	-2.02314	0.044618	0.949526
cg04120839	chr3	1.22E+08		-0.17353	-2.02029	0.044916	0.950092
cg20945607	chr1	1051537		0.14183	2.019373	0.045012	0.950195
cg00634698	chr10	71123842	STOX1;TET1;TSPAN15;CCAR1	0.258577	2.020367	0.044908	0.950092
cg00753059	chr22	44390650		0.259026	2.02008	0.044938	0.950168
cg21093005	chr17	80541915		0.345616	2.023173	0.044615	0.949526
cg13500576	chr1	51796588		-0.21182	-2.02187	0.044751	0.94978
cg14364186	chr9	1.36E+08		0.299325	2.020495	0.044894	0.950092

cg13551227	chr10	1.04E+08	C10orf95	0.215191	2.021736	0.044764	0.949794
cg20491488	chr10	1.06E+08		-0.23185	-2.02041	0.044903	0.950092
cg18637901	chr4	3247372		-0.16818	-2.01836	0.045118	0.950195
cg21857598	chr5	66492721		0.336891	2.019738	0.044974	0.950195
cg18218884	chr10	1.04E+08	RNU2-59P	0.193032	2.018275	0.045127	0.950195
cg07599881	chr1	5907508		0.245487	2.018891	0.045063	0.950195
cg15996534	chr5	1.5E+08	SLC36A1	0.315601	2.018356	0.045119	0.950195
cg18295536	chr5	1.37E+08		-0.21265	-2.0198	0.044967	0.950195
cg03624899	chr16	18802161		0.360192	2.02124	0.044816	0.949794
cg15249796	chr17	56744413		0.310099	2.020186	0.044927	0.950092
cg24714147	chr19	14629240		-0.26232	-2.02103	0.044838	0.949804
ch.7.557703F	chr7	21938752		0.341755	2.022631	0.044671	0.94953
cg13958199	chr9	1.27E+08	ARPC5L;RABEPK;SCAI;PSMB7	-0.201	-2.0218	0.044758	0.949794
cg05536286	chr15	92972514		-0.22535	-2.02143	0.044796	0.949794
cg20119148	chr19	18344195		0.26314	2.019583	0.04499	0.950195
cg01185433	chr4	1.75E+08		0.296874	2.020944	0.044847	0.949804
cg20283895	chr17	38648531	PPP1R1B;IGFBP4	-0.347	-2.02136	0.044804	0.949794
cg13927040	chr6	1.67E+08		-0.26762	-2.0207	0.044873	0.94997
cg20490015	chr17	62336680	LRRC37A3	0.28027	2.019697	0.044978	0.950195
cg11983939	chr7	153574		-0.39779	-2.02024	0.044921	0.950092
cg25729350	chr15	58624534		-0.30985	-2.02061	0.044883	0.950092
cg21390428	chr22	18507165		0.205425	2.02073	0.04487	0.949949
cg09184981	chr1	1.12E+08		0.278152	2.019818	0.044965	0.950195
cg02721693	chr1	1.83E+08	COLGALT2	-0.39551	-2.02016	0.04493	0.950092

cg12622958	chr4	41759997		-0.27009	-2.02164	0.044775	0.949794
cg21357088	chr10	1.33E+08		0.238742	2.018126	0.045143	0.950195
cg14270789	chr13	25620954		-0.22211	-2.0238	0.044549	0.949526
cg15832822	chr15	45018591	SQRDL;B2M;DUOX2;SORD;SERF2	-0.26409	-2.02088	0.044854	0.949904
cg00683156	chr10	50970546		0.225067	2.019041	0.045047	0.950195
cg01554316	chr1	2.3E+08		-0.49283	-2.01808	0.045148	0.950195
cg16184242	chr5	1.31E+08		0.175223	2.022052	0.044732	0.949752
cg00921350	chr16	50701499	ZNF423;NKD1;ENSG00000261685;ENSG00000260029;ENSG00000205414	-0.16549	-2.01882	0.04507	0.950195
cg19780571	chr10	1.02E+08	CWF19L1	-0.35629	-2.01899	0.045052	0.950195
cg03455250	chr1	35442238	CLSPN	0.293969	2.019315	0.045018	0.950195
cg07223312	chr18	44702757		-0.22408	-2.01993	0.044953	0.950195
cg14846292	chr12	49726500	CCDC65;PRPH;ENSG00000258334;KCNH3;TUBA1A;ENSG00000257954	0.285941	2.021601	0.044779	0.949794
cg27145197	chr2	1.98E+08		-0.19212	-2.02027	0.044918	0.950092
cg18471993	chr6	1.01E+08	CCNC;ASCC3	0.263242	2.021306	0.044809	0.949794
cg00785941	chr1	2.48E+08		0.915598	2.01785	0.045172	0.950195
cg21339676	chr12	51477413		0.145887	2.020261	0.044919	0.950092
cg23538773	chr14	89493162		0.305074	2.018706	0.045082	0.950195
cg16954727	chr10	3440330		-0.31149	-2.01813	0.045143	0.950195

cg13113642	chr17	997200		-0.30046	-2.01784	0.045173	0.950195
cg05962755	chr5	1.57E+08		0.294575	2.017819	0.045175	0.950195
cg22212260	chr3	33468135		-0.33446	-2.01805	0.045151	0.950195
cg09792926	chr16	49316053		0.282004	2.020734	0.044869	0.949949
cg10677144	chr18	3220106	MYOM1	0.268006	2.019168	0.045034	0.950195
cg00785106	chr16	57227089		-0.34382	-2.01998	0.044949	0.950195
cg18749411	chr15	25973970		-0.21307	-2.01918	0.045032	0.950195
cg01103730	chr1	2.07E+08	DYRK3;PFKFB2	0.360473	2.022379	0.044697	0.949593
cg26717983	chr6	72596472		-0.13834	-2.01793	0.045164	0.950195
cg02675920	chr17	78747934		0.27087	2.019344	0.045015	0.950195
cg21273584	chr2	503065		-0.23392	-2.01771	0.045187	0.950195
cg06346954	chr1	2E+08	MROH3P;C1orf106;KIF14	-0.40778	-2.01755	0.045204	0.950195
cg05586863	chr16	5911262	C16orf89;SEC14L5	-0.3369	-2.01867	0.045086	0.950195
cg11374656	chr7	1.58E+08		0.222482	2.017663	0.045192	0.950195
cg17736482	chr15	40732202		-0.19676	-2.02044	0.044901	0.950092
ch.3.1012570R	chr3	48208271	KIF9-AS1;P4HTM	-0.16726	-2.01837	0.045117	0.950195
cg10958126	chr6	31497756	HLA-C	0.235977	2.018483	0.045106	0.950195
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cg26411466	chr17	18876823	SNORD3B-1;SNORD3D;SNORD3A	-0.17367	-2.01905	0.045046	0.950195
cg07071145	chr15	79851166		-0.28237	-2.01756	0.045202	0.950195
cg01904812	chr1	17746340		0.20747	2.018771	0.045075	0.950195
cg24019851	chr3	50314291		0.235998	2.01804	0.045152	0.950195

cg07271405	chr11	35817123		0.242874	2.020113	0.044934	0.950142
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cg14917700	chr3	72897678		0.124392	2.017612	0.045197	0.950195
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ch.6.113866684R	chr6	1.14E+08		-0.37272	-2.01877	0.045076	0.950195
cg19005210	chr6	41168960	C6orf132;ENSG00000261068	-0.28909	-2.01733	0.045227	0.950195
cg02136622	chr13	95811931	CLDN10	-0.27926	-2.02001	0.044946	0.950195
cg25569880	chr5	2864005	IRX1	-0.3065	-2.01678	0.045285	0.950195
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cg14634903	chr20	278097		-0.18696	-2.01725	0.045235	0.950195
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cg07128873	chr7	1.28E+08		-0.21443	-2.01974	0.044973	0.950195
cg08493106	chr17	8534901		-0.1344	-2.02187	0.04475	0.94978
cg00789347	chr16	2039030	TBC1D24	-0.19368	-2.02119	0.044822	0.949804
cg05833651	chr13	1.14E+08		0.250237	2.017591	0.045199	0.950195
cg06892726	chr6	26087607	HIST1H3C	0.248048	2.018938	0.045058	0.950195
cg03289906	chr7	94538408	PPP1R9A	0.329822	2.018258	0.045129	0.950195
cg06034459	chr3	1.97E+08		0.217627	2.019229	0.045027	0.950195
cg08271907	chr8	1.42E+08	ENSG00000261655	-0.43171	-2.01836	0.045118	0.950195
cg14741143	chr3	1.56E+08		0.326949	2.018087	0.045147	0.950195
cg23248051	chr5	1.14E+08		0.252707	2.02051	0.044893	0.950092
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cg03812546	chr12	1.19E+08		0.267016	2.019121	0.045038	0.950195
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cg03916364	chr12	49624394	FMNL3;ASIC1;SPATS2	-0.33556	-2.01664	0.0453	0.950195
cg04944659	chr1	10891531	PGD	-0.25393	-2.01605	0.045362	0.950195
cg04195863	chr15	25223574		-0.27364	-2.0175	0.045209	0.950195
cg21958444	chr13	20207412		0.289733	2.017809	0.045176	0.950195
cg15092239	chr10	1.3E+08	PTPRE	-0.28845	-2.01893	0.045058	0.950195
cg17138539	chr1	43850695		0.207344	2.016127	0.045354	0.950195
cg00009927	chr16	1157223		-0.22498	-2.019	0.045051	0.950195
cg16804892	chr14	96241208		0.251148	2.018762	0.045076	0.950195
cg16800162	chr11	90739454		-0.30752	-2.01598	0.045369	0.950195
cg15293422	chr2	37897716		0.366742	2.019352	0.045014	0.950195
cg03223959	chr16	85382654		-0.23067	-2.01916	0.045034	0.950195
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cg03990551	chr4	1.23E+08		0.147432	2.017548	0.045204	0.950195
cg13520026	chr9	97810769		-0.17494	-2.02002	0.044944	0.950195
cg15822765	chr6	28956387	ZNF165;NKAPL;GABBR1;PGBD1	0.441323	2.016972	0.045265	0.950195
cg00862770	chr6	35655764		0.214855	2.017229	0.045238	0.950195
cg21194115	chr5	607516	LPCAT1;ENSG00000188002	0.257592	2.019017	0.045049	0.950195
cg15243856	chr20	43935462		0.393296	2.023774	0.044552	0.949526
cg13453244	chr8	1.2E+08		-0.26928	-2.01676	0.045287	0.950195
cg22836370	chr18	51751085		-0.1579	-2.02051	0.044893	0.950092

cg24980040	chr10	1714535		0.345825	2.016411	0.045324	0.950195
cg16730824	chr1	20809793		-0.26373	-2.01874	0.045079	0.950195
cg02906827	chr16	84217575		-0.17206	-2.01722	0.045239	0.950195
cg11093762	chr7	930723		0.295625	2.016763	0.045287	0.950195
cg08377569	chr16	30538014		-0.15522	-2.01716	0.045245	0.950195
cg03734700	chr1	1999046		-0.26638	-2.01832	0.045123	0.950195
cg02113214	chr7	1.37E+08		-0.26372	-2.01919	0.045032	0.950195
cg09637367	chr17	61676756		0.278635	2.019671	0.044981	0.950195
cg04426842	chr10	1.05E+08		-0.25422	-2.01653	0.045311	0.950195
cg02580763	chr5	1.41E+08		0.30262	2.0169	0.045272	0.950195
cg20512419	chr11	67276145		-0.13233	-2.01856	0.045097	0.950195
cg11243173	chr12	23999045		-0.28374	-2.01967	0.044981	0.950195
cg12073479	chr7	1.21E+08		-0.26024	-2.01618	0.045349	0.950195
cg22635088	chr5	2096922		-0.23086	-2.01791	0.045166	0.950195
cg08485899	chr7	1.29E+08		0.173332	2.01849	0.045105	0.950195
cg14553506	chr3	1.84E+08		-0.20967	-2.01665	0.045299	0.950195
cg05468458	chr5	1.71E+08	GABRP	-0.34877	-2.01718	0.045242	0.950195
cg00791249	chr19	10426722	ENSG00000270614;C19orf52	0.172105	2.018752	0.045077	0.950195
cg12482305	chr13	52585650	ALG11;RPS4XP16;ENSG00000270101	0.187626	2.016482	0.045316	0.950195
cg23397013	chr10	10571132		-0.33	-2.0179	0.045166	0.950195
cg26716902	chr17	40835920		-0.54314	-2.01529	0.045443	0.950195
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cg11799511	chr3	50426640		-0.21635	-2.01927	0.045023	0.950195
cg06177627	chr1	23751208		-0.15142	-2.01648	0.045316	0.950195
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cg21500354	chr11	6518331		0.307373	2.0168	0.045283	0.950195
cg04486749	chr6	1.67E+08		-0.24837	-2.01547	0.045423	0.950195
cg13689681	chr9	99382204		0.288889	2.016074	0.045359	0.950195
cg15308062	chr12	21680981		-0.21043	-2.01632	0.045333	0.950195
cg13701180	chr19	2513436	ZNF57	0.270275	2.015413	0.045429	0.950195
cg08737236	chr16	2254692		-0.21027	-2.01573	0.045396	0.950195
cg04077677	chr1	1.56E+08		0.279408	2.01551	0.045419	0.950195
cg01860753	chr1	2.07E+08		-0.1779	-2.01636	0.045329	0.950195
cg07128624	chr12	1.08E+08		-0.28886	-2.01684	0.045279	0.950195
cg25943876	chr13	50422495		0.353633	2.017837	0.045173	0.950195
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cg07641563	chr2	56216086	CCDC88A	-0.28047	-2.01773	0.045185	0.950195
cg06791091	chr12	3332539		-0.22198	-2.01627	0.045339	0.950195
cg09597710	chr7	1121124	ENSG00000249574	0.383335	2.016535	0.045311	0.950195
cg07550362	chr7	97361201		-0.41501	-2.01617	0.04535	0.950195
cg16365807	chr21	42559652		-0.2535	-2.01768	0.04519	0.950195
cg18338288	chr22	46318879		0.249089	2.016488	0.045316	0.950195
cg04375033	chr21	47876638		-0.36929	-2.01606	0.045361	0.950195
cg26660744	chr1	1573181		-0.26255	-2.01586	0.045382	0.950195
cg15871969	chr4	77665102		0.227405	2.016515	0.045313	0.950195
cg22315746	chr11	605147		0.215797	2.016964	0.045266	0.950195

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cg00554421	chr7	1513368		-0.17006	-2.01895	0.045056	0.950195
cg21933928	chr20	32453380		0.17635	2.018031	0.045153	0.950195
cg16585244	chr2	2.41E+08		0.217015	2.016004	0.045367	0.950195
cg14542178	chr9	1.34E+08		0.245154	2.016287	0.045337	0.950195
cg01184387	chr5	1.76E+08	TMED9	-0.18802	-2.0152	0.045452	0.950195
cg14223613	chr15	80884071		0.337314	2.015154	0.045457	0.950195
cg24720008	chr10	44788044	C10orf10;ZNF487	0.377791	2.019608	0.044987	0.950195
cg10605442	chr20	61847878		0.147045	2.015595	0.04541	0.950195
cg24146358	chr7	2644753		-0.22633	-2.01841	0.045114	0.950195
cg24101578	chr20	44880263		0.249602	2.014977	0.045475	0.950195
cg10137155	chr3	67049254		-0.2864	-2.01541	0.045429	0.950195
cg04946315	chr14	1.05E+08		-0.16571	-2.01667	0.045297	0.950195
cg09893068	chr1	46089593		-0.26945	-2.01687	0.045275	0.950195
ch.22.43913 6F	chr22	32112075		-0.34147	-2.01526	0.045446	0.950195
cg10342899	chr10	1.03E+08		0.231161	2.017068	0.045255	0.950195
cg26909299	chr2	74757141		-0.17917	-2.02075	0.044868	0.949949
cg13304825	chr17	79297548	BAIAP2;SLC25A10;PCYT2	-0.29866	-2.01494	0.045479	0.950195
cg20555674	chr17	37321631	PLXDC1;PIP4K2B;ENSG00000264198;IKZF3;THRA	0.389538	2.017209	0.04524	0.950195
cg22856948	chr1	87594388		-0.25977	-2.01898	0.045053	0.950195
cg04352962	chr1	2.1E+08		0.217161	2.016761	0.045287	0.950195

cg02510802	chr20	31592147	E2F1	-0.29232	-2.01644	0.045321	0.950195
cg14123750	chr13	1.14E+08	GAS6;TMEM255B;F10;GAS6-AS2;CDC16;ENSG00000267868;ADPRHL1	0.30532	2.0211	0.044831	0.949804
cg20457796	chr10	50819500		0.250899	2.016698	0.045294	0.950195
cg24109202	chr7	87505681		0.173878	2.016676	0.045296	0.950195
cg07779653	chr16	65610659		-0.28308	-2.01582	0.045386	0.950195
cg17409288	chr4	17600149		0.232851	2.016117	0.045355	0.950195
cg07710266	chr6	1.34E+08		0.254547	2.016493	0.045315	0.950195
cg23259381	chr4	1.86E+08		0.170101	2.014868	0.045487	0.950195
cg00361992	chr1	76079177	RABGGTB	-0.24505	-2.01663	0.045301	0.950195
cg11633461	chr10	73534338		-0.18219	-2.0163	0.045336	0.950195
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cg14409032	chr9	1.29E+08		0.210333	2.015159	0.045456	0.950195
cg23132469	chr1	19181459		0.74489	2.013946	0.045585	0.950195
cg11625107	chr7	1.51E+08	CHPF2	0.237067	2.015366	0.045434	0.950195
cg11065693	chr14	24630380	NOP9	-0.21225	-2.01392	0.045588	0.950195
cg00923295	chr10	1.28E+08		0.208867	2.014997	0.045473	0.950195
cg18194353	chr1	1E+08	VCAM1;BCAS2P2;CDC14A;ENSG00000233983	-0.14253	-2.01589	0.045379	0.950195

cg03000503	chr8	39171648		0.357161	2.015641	0.045405	0.950195
cg01365762	chr6	30457827		0.294976	2.02137	0.044803	0.949794
cg13658899	chr9	1.39E+08		0.301241	2.015263	0.045445	0.950195
cg00714309	chr1	52422674		0.264509	2.016893	0.045273	0.950195
cg13388277	chr7	63504673	ENSG00000214652;NMD3P1	-0.27694	-2.01491	0.045483	0.950195
cg04730768	chr10	50816262		0.165956	2.016677	0.045296	0.950195
cg14009900	chr9	93983210	SYK	0.319471	2.0144	0.045537	0.950195
cg02953029	chr4	95128914		-0.27614	-2.01627	0.045338	0.950195
cg06278714	chr7	43287968	YKT6;HECW1	-0.2207	-2.016	0.045367	0.950195
cg04834097	chr7	63774078		0.279333	2.014321	0.045545	0.950195
cg09610311	chr15	58839555	FAM63B	0.386094	2.013968	0.045582	0.950195
cg20992361	chr7	14755869		0.233702	2.01594	0.045374	0.950195
cg25664338	chr3	1.29E+08		0.267864	2.013535	0.045628	0.950195
cg07684460	chr2	522386		-0.22489	-2.01398	0.045581	0.950195
cg01461847	chr6	27648057		0.275338	2.018029	0.045153	0.950195
cg10111664	chr3	1.13E+08		-0.33012	-2.01493	0.04548	0.950195
cg01531495	chr13	76123901		-0.16472	-2.01639	0.045326	0.950195
cg07118480	chr21	47800419		-0.19835	-2.01483	0.045491	0.950195
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cg07453718	chr22	51066776		0.133149	2.014347	0.045542	0.950195
cg10724576	chr8	1.45E+08		0.235986	2.018121	0.045144	0.950195
cg15134033	chr16	10274415		0.21928	2.014846	0.045489	0.950195
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cg01844539	chr5	77140808		-0.20253	-2.01674	0.045289	0.950195
cg15023858	chr3	69812434		-0.24141	-2.0154	0.045431	0.950195
cg16354520	chr1	1.53E+08		-0.31325	-2.01491	0.045482	0.950195
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cg14332129	chr19	3035779		-0.20597	-2.01363	0.045619	0.950195
cg26029902	chr20	56884425		-0.29604	-2.01448	0.045528	0.950195
cg00065215	chr1	18959268		0.243257	2.015092	0.045463	0.950195
cg26640927	chr4	1.21E+08		-0.28722	-2.01493	0.04548	0.950195
cg13439315	chr4	7197511	S100P	-0.38121	-2.01593	0.045375	0.950195
cg04925129	chr3	1.49E+08		-0.37974	-2.01399	0.04558	0.950195
cg09933279	chr1	2.07E+08		-0.20519	-2.01249	0.045739	0.950195
cg24684468	chr20	443316		-0.20409	-2.01474	0.045501	0.950195
cg05498041	chr19	361948		-0.30566	-2.01394	0.045585	0.950195
cg08467887	chr8	1.45E+08		-0.2928	-2.01364	0.045617	0.950195
cg26345046	chr13	37004620	NBEA	0.315717	2.015258	0.045446	0.950195
cg17411103	chr17	65241599		-0.1691	-2.01347	0.045635	0.950195
cg18686206	chr14	36985063	NKX2-1;SFTA3	0.29173	2.018415	0.045113	0.950195
cg03278989	chr19	54693461		-0.16984	-2.01374	0.045607	0.950195
cg14069683	chr9	1.23E+08		-0.20594	-2.01467	0.045507	0.950195
cg23017574	chr7	1.43E+08	FAM115B	0.239372	2.016428	0.045322	0.950195
cg02372144	chr17	58966213		-0.32436	-2.01598	0.04537	0.950195
cg02886027	chr8	1.04E+08		0.281994	2.015552	0.045415	0.950195
cg09107438	chr12	56819060	ERBB3;RPS26;RBMS2	-0.31444	-2.01505	0.045468	0.950195

cg22106577	chr5	1.38E+08		0.191952	2.012733	0.045714	0.950195
cg18080269	chr17	35849444		-0.14029	-2.01424	0.045554	0.950195
cg15837308	chr6	32427751	HLA-DRB5	0.700795	2.013216	0.045662	0.950195
cg21132779	chr6	33359789		0.144847	2.014009	0.045578	0.950195
cg25903497	chr2	2.19E+08		0.351909	2.015696	0.045399	0.950195
cg06767637	chr17	74426948		-0.17526	-2.01424	0.045554	0.950195
cg24646457	chr15	42360292		-0.21062	-2.01339	0.045644	0.950195
cg26139402	chr15	1.01E+08		-0.24296	-2.01421	0.045557	0.950195
cg22494858	chr1	1.11E+08	CSF1;KCNA3;AMIGO1;GSTM3;ENSG00000261654;GSTM5;CD53;ENSG0000025983 4;LAMTOR5-AS1	0.295121	2.013491	0.045633	0.950195
cg03701001	chr12	51818636		0.148928	2.014542	0.045522	0.950195
cg17659300	chr12	1.06E+08		0.168344	2.01424	0.045554	0.950195
cg07885166	chr16	75512616		-0.21387	-2.01416	0.045562	0.950195
cg10313410	chr2	2.33E+08		0.32095	2.01294	0.045692	0.950195
cg25206343	chr10	820206		0.207063	2.014035	0.045575	0.950195
cg12435134	chr4	76860890		0.275628	2.013184	0.045666	0.950195
cg23155785	chr14	1.02E+08		-0.20676	-2.01765	0.045193	0.950195
cg11944518	chr3	30789746		-0.26656	-2.01724	0.045237	0.950195
cg09720205	chr16	57508738	MT1X	0.23984	2.013742	0.045606	0.950195
cg08214267	chr19	47843887		-0.2716	-2.01383	0.045597	0.950195
cg21802682	chr11	69682593		-0.21205	-2.01344	0.045639	0.950195

cg09301222	chr2	1.49E+08		0.211769	2.01368	0.045613	0.950195
cg14245471	chr2	10567843		0.48373	2.017813	0.045176	0.950195
cg11991893	chr10	3559479		0.243612	2.013114	0.045673	0.950195
cg00338702	chr12	1.33E+08		0.3115	2.013113	0.045673	0.950195
cg23463269	chr11	15136380		0.350842	2.013907	0.045589	0.950195
cg09558425	chr10	30073283		-0.36903	-2.01456	0.045519	0.950195
cg25741487	chr3	62363076		0.322649	2.013745	0.045606	0.950195
cg00662647	chr1	2.34E+08		-0.20462	-2.01376	0.045604	0.950195
cg01638809	chr3	14166520		-0.19629	-2.01614	0.045352	0.950195
cg20112159	chr12	80907159		0.378672	2.012979	0.045687	0.950195
cg00389515	chr22	40766657		0.166597	2.013471	0.045635	0.950195
cg10422455	chr11	19083542		-0.28129	-2.01374	0.045607	0.950195
cg14166485	chr9	1.27E+08		0.261317	2.013052	0.04568	0.950195
cg07179688	chr11	3950928		0.224597	2.012972	0.045688	0.950195
cg21796322	chr3	1.95E+08		0.210609	2.014983	0.045475	0.950195
cg00692933	chr16	68877417		-0.15757	-2.01378	0.045603	0.950195
cg19704073	chr1	3162159	CEP104;SKI;MORN1;ENSG00000269896;MEGF6;LINC01134;TP73-AS1;DFFB;FAM213B;TP73;TTC34;TPRG1L	-0.3168	-2.01422	0.045556	0.950195
cg08873353	chr11	61560534	POLR2G	-0.2024	-2.013	0.045685	0.950195
cg16303918	chr2	2.2E+08		0.246199	2.012735	0.045713	0.950195
cg14897765	chr11	406492	SIGIRR	0.475372	2.011382	0.045857	0.95061

cg10914558	chr12	1.18E+08	NOS1	0.370859	2.01433	0.045544	0.950195
cg17806059	chr7	1.56E+08		-0.29454	-2.01431	0.045547	0.950195
cg06615659	chr7	1.03E+08	FBXL13;DPY19L2 P2	0.134593	2.012037	0.045788	0.950507
cg18483976	chr19	33571768		-0.21617	-2.01336	0.045647	0.950195
cg20687255	chr5	1.76E+08		-0.24923	-2.01743	0.045216	0.950195
cg25114693	chr2	1.06E+08		-0.32512	-2.01408	0.04557	0.950195
cg10707775	chr7	99061890		0.234753	2.013408	0.045642	0.950195
cg14478368	chr9	99209707		-0.30197	-2.01351	0.045631	0.950195
cg18722919	chr20	13619583		0.138982	2.013198	0.045664	0.950195
cg10703331	chr7	1.38E+08		-0.20837	-2.01382	0.045598	0.950195
cg24593272	chr10	1.03E+08		0.251795	2.013981	0.045581	0.950195
cg21906083	chr1	1.61E+08		-0.20844	-2.01324	0.045659	0.950195
cg03208850	chr16	3333472		0.14053	2.015114	0.045461	0.950195
cg09150065	chr4	42158732		-0.25101	-2.01197	0.045795	0.950507
cg07581739	chr5	1232437		-0.25481	-2.01391	0.045588	0.950195
cg04589050	chr17	17067814		0.173174	2.01379	0.045601	0.950195
cg09577469	chr7	1457117		-0.37842	-2.01229	0.045761	0.950314
cg26669438	chr8	1.33E+08		-0.2611	-2.01558	0.045412	0.950195
cg07324031	chr17	72434679		-0.22882	-2.0127	0.045717	0.950195
cg04617936	chr2	214353		0.443722	2.01586	0.045382	0.950195
cg25198340	chr3	57186283	IL17RD;ERC2	-0.23047	-2.01562	0.045407	0.950195
cg24082880	chr2	1.19E+08		0.371998	2.012281	0.045762	0.950314
cg27574786	chr1	89990235		0.191701	2.014157	0.045562	0.950195
cg11308639	chr2	69098272		-0.27135	-2.01322	0.045662	0.950195
cg25611750	chr14	1.02E+08	MOK	0.28659	2.011792	0.045814	0.950581

cg24064594	chr2	1.27E+08		-0.44803	-2.0138	0.0456	0.950195
cg06321304	chr15	40544174		-0.17367	-2.01296	0.04569	0.950195
cg07092880	chr11	85601106	SYTL2	-0.29979	-2.01369	0.045612	0.950195
cg19990264	chr5	1.8E+08		0.206159	2.013184	0.045666	0.950195
cg07852825	chr3	1.72E+08		0.225749	2.014389	0.045538	0.950195
cg15659713	chr8	38586183		0.332798	2.015309	0.04544	0.950195
cg02387583	chr6	32937621		-0.21309	-2.01333	0.045651	0.950195
cg02250191	chr2	27068753		0.246519	2.012612	0.045727	0.950195
cg01577751	chr12	54332222	ESPL1	0.314447	2.014316	0.045546	0.950195
cg12404168	chr13	91370196		-0.29017	-2.01473	0.045502	0.950195
cg17603857	chr19	56111499		-0.23251	-2.01261	0.045727	0.950195
cg18477188	chr6	32975885		-0.45016	-2.01323	0.04566	0.950195
cg10434653	chr16	4898242		-0.171	-2.01622	0.045344	0.950195
cg20221308	chr19	36883389		-0.2619	-2.0154	0.04543	0.950195
cg08658634	chr1	1.84E+08		-0.26334	-2.01285	0.045701	0.950195
cg06979771	chr16	24266773		0.223302	2.013101	0.045674	0.950195
cg11075230	chr8	1.46E+08		0.399808	2.012496	0.045739	0.950195
cg03256198	chr1	2.3E+08	CAPN9;ABCB10;ENSG00000244137;FAM89A;RAB4A	0.369937	2.018711	0.045082	0.950195
cg15605918	chr19	3501056		0.234946	2.013877	0.045592	0.950195
cg22044002	chr10	94825547		0.301466	2.012736	0.045713	0.950195
cg18113790	chr11	75141722		0.219865	2.012762	0.045711	0.950195
cg22883710	chr15	64455389		-0.16451	-2.01153	0.045842	0.950581
cg11198358	chr17	47928494		-0.16881	-2.01157	0.045838	0.950581

cg10832005	chr5	32710658		-0.29723	-2.01512	0.045461	0.950195
cg05228564	chr2	2.33E+08		-0.1929	-2.01304	0.045681	0.950195
cg12339424	chr2	32288911		-0.16172	-2.01342	0.04564	0.950195
cg02149740	chr11	63954507		0.189435	2.012995	0.045686	0.950195
cg01916743	chr1	2238932		-0.32433	-2.01158	0.045837	0.950581
cg20757519	chr18	5238310		-0.14222	-2.01289	0.045697	0.950195
cg01982170	chr3	40301346		-0.31759	-2.01163	0.045831	0.950581
cg22184507	chr5	1.41E+08		-0.33845	-2.01268	0.045719	0.950195
cg03175975	chr2	1.21E+08	TMEM37	0.239581	2.012665	0.045721	0.950195
cg06984080	chr16	2246994		0.153079	2.013899	0.04559	0.950195
cg10561067	chr5	1.79E+08	FLT4;MAML1	0.222763	2.014378	0.045539	0.950195
cg01506756	chr12	64422478		-0.21809	-2.01364	0.045617	0.950195
cg13565129	chr6	28601419	HIST1H1B	0.523928	2.012665	0.045721	0.950195
cg22411400	chr20	33735232		0.122434	2.013613	0.04562	0.950195
cg15135762	chr2	66805086		-0.28621	-2.01201	0.045791	0.950507
cg04395977	chr6	1.7E+08		-0.12256	-2.01198	0.045793	0.950507
cg10139742	chr16	56352151		0.185411	2.012508	0.045738	0.950195
cg02304233	chr1	1.47E+08		0.318019	2.011916	0.045801	0.950542
cg12493107	chr20	23344079		0.293205	2.013664	0.045615	0.950195
cg02076629	chr7	35494118		0.217796	2.014209	0.045557	0.950195
cg05855724	chr14	59806408		-0.20304	-2.01335	0.045648	0.950195
cg05437823	chr6	50813676		0.286168	2.011623	0.045832	0.950581
cg21759784	chr15	25317395		0.23276	2.016175	0.045349	0.950195
cg13236507	chr3	98241978		0.214745	2.013703	0.045611	0.950195
cg23747525	chr20	37064089		0.18041	2.01366	0.045615	0.950195

cg03333634	chr8	11555251		0.329553	2.013327	0.045651	0.950195
cg21228284	chr16	72127518		-0.1982	-2.01313	0.045672	0.950195
cg13232424	chr2	1.29E+08		0.211976	2.011733	0.04582	0.950581
cg10805082	chr1	1.79E+08		-0.20452	-2.01439	0.045538	0.950195
cg12988380	chr2	1.83E+08		-0.32262	-2.01213	0.045778	0.950442
cg05153781	chr14	1.05E+08		0.201368	2.013448	0.045638	0.950195
cg12258919	chr16	2521473		-0.14385	-2.01369	0.045612	0.950195
cg21712729	chr17	41910036		0.221116	2.012528	0.045735	0.950195
cg19874938	chr12	1.21E+08	P2RX4	-0.20271	-2.01088	0.045911	0.951027
cg26464626	chr19	35323752		0.723932	2.010659	0.045935	0.951287
cg13719084	chr11	73697917	ENSG00000241170	0.283217	2.013161	0.045668	0.950195
cg23703216	chr8	1.43E+08		-0.27811	-2.01357	0.045625	0.950195
cg00264142	chr5	1.46E+08		0.115834	2.012269	0.045763	0.950314
cg25692524	chr13	52769662		0.48744	2.012249	0.045765	0.950314
cg01643123	chr12	63207179	DPY19L2	0.209933	2.012309	0.045759	0.950314
cg07878486	chr19	58951885		0.358349	2.011635	0.045831	0.950581
cg04488553	chr17	72702862		-0.19939	-2.01131	0.045865	0.95061
cg24729988	chr15	64271149	DAPK2;APH1B	0.258959	2.012491	0.045739	0.950195
cg15309953	chr2	5813258		0.232706	2.012328	0.045757	0.950314
cg24167378	chr18	71818951		0.227158	2.013036	0.045681	0.950195
cg25647234	chr13	1.09E+08		0.271383	2.013658	0.045615	0.950195
cg12052265	chr11	1.04E+08	ENSG00000235505	0.421158	2.01261	0.045727	0.950195
cg21167817	chr1	3277557		-0.32227	-2.01405	0.045573	0.950195
cg10073698	chr15	71335214		-0.27057	-2.01463	0.045512	0.950195
cg08267047	chr2	2.03E+08		0.334905	2.014694	0.045505	0.950195

cg24686679	chr15	80887526		-0.30795	-2.01132	0.045864	0.95061
cg12822583	chr11	9335706	ENSG00000252778	-0.14035	-2.01412	0.045566	0.950195
cg06388647	chr2	1.21E+08		0.383584	2.010883	0.045911	0.951027
cg16615776	chr2	2.42E+08		0.290913	2.012506	0.045738	0.950195
cg06206218	chr1	45481238		-0.16919	-2.01488	0.045486	0.950195
cg09068927	chr5	923726		0.271091	2.012498	0.045739	0.950195
cg07925542	chr16	15737176		-0.22817	-2.01255	0.045733	0.950195
cg04822456	chr4	1.42E+08	ENSG00000205301;CLGN;IL15	-0.29546	-2.01098	0.045901	0.951027
cg17057218	chr18	77183423		-0.23216	-2.01117	0.045881	0.950862
cg08075329	chr22	42016431		-0.14285	-2.01165	0.045829	0.950581
cg13497069	chr6	29426119		-0.29464	-2.01345	0.045637	0.950195
cg13866618	chr6	10430049		-0.20955	-2.01256	0.045732	0.950195
cg01215027	chr5	1.8E+08		-0.18526	-2.01348	0.045634	0.950195
cg07048608	chr1	1.59E+08		-0.35884	-2.01223	0.045767	0.950314
cg02910650	chr7	1131628	PSMG3	0.225544	2.015369	0.045434	0.950195
cg18612647	chr14	21093801	ENSG00000222489;RPPH1	0.216869	2.011503	0.045845	0.950581
cg18063493	chr17	43196221	KIF18B	-0.22068	-2.01181	0.045811	0.950581
cg26954197	chr5	436816		0.224713	2.011043	0.045894	0.951027
cg10410121	chr7	46213043		0.213738	2.013144	0.04567	0.950195
cg27389290	chr2	1.97E+08		0.224573	2.012702	0.045717	0.950195
cg05908979	chr3	52443702		0.194212	2.011766	0.045817	0.950581
cg14143209	chr9	1.32E+08		-0.12491	-2.0135	0.045632	0.950195
cg07612497	chr3	48672985		-0.16256	-2.01041	0.045961	0.951433

cg14559388	chr19	1457211	CIRBP-AS1	0.288803	2.010641	0.045937	0.951287
cg08621926	chr2	1.29E+08		0.320497	2.011502	0.045845	0.950581
cg18681352	chr22	39898064	GRAP2	0.245565	2.010944	0.045904	0.951027
cg26087408	chr4	1099075		0.197364	2.012416	0.045747	0.950267
cg15243542	chr7	44923719		0.247287	2.009689	0.046038	0.951503
cg17760405	chr6	1.01E+08		0.23491	2.011749	0.045818	0.950581
cg06537333	chr16	85643863	FENDRR;FAM92B;C16orf74;FOXF1;FOXL1;MTHFSD;KIAA0513;CRISPLD2;USP10;ENSG00000262601	0.174666	2.015484	0.045422	0.950195
cg03550129	chr2	1596054	SNTG2	0.205583	2.011306	0.045866	0.95061
cg25352733	chr1	94060102		-0.15338	-2.0117	0.045824	0.950581
cg03106056	chr2	2.17E+08		-0.37867	-2.01155	0.045839	0.950581
cg13345130	chr15	90863456		0.285998	2.009495	0.046059	0.951503
cg10386924	chr11	71135283		0.260465	2.013478	0.045634	0.950195
cg17032848	chr2	2.39E+08	RAMP1	0.275702	2.010366	0.045966	0.951433
cg17935875	chr20	49412184		-0.21635	-2.01438	0.045539	0.950195
cg15466157	chr4	3250090	ENSG00000206113;ENSG00000249428;ENSG00000243894	0.198345	2.012256	0.045764	0.950314
cg17032646	chr1	1.11E+08		0.249492	2.009229	0.046088	0.951503
cg25301767	chr12	49731393	ZNF641	0.259227	2.010038	0.046001	0.951503
cg10372402	chr17	78387818		0.200189	2.010844	0.045915	0.951027

cg13420647	chr1	36883624		-0.22859	-2.01038	0.045964	0.951433
cg22834653	chr3	1.92E+08		0.233701	2.011413	0.045854	0.95061
cg17833265	chr17	48042135	EPN3	0.242268	2.010953	0.045903	0.951027
cg05305078	chr11	1.31E+08		-0.24266	-2.01058	0.045943	0.951379
cg06439547	chr1	2.31E+08		-0.38419	-2.00879	0.046135	0.951503
cg20782816	chr3	9808060		-0.2066	-2.00944	0.046065	0.951503
cg04454807	chr7	1.1E+08		0.254392	2.011309	0.045865	0.95061
cg27102691	chr8	1.24E+08		-0.29464	-2.01262	0.045726	0.950195
cg13514218	chr9	1.3E+08	SH2D3C	0.173613	2.009789	0.046028	0.951503
cg12500731	chr2	2.43E+08		0.465462	2.010919	0.045907	0.951027
cg22541143	chr4	84377292		0.130125	2.014647	0.04551	0.950195
cg08173606	chr3	1.34E+08	TMEM108	0.159634	2.011773	0.045816	0.950581
cg13969327	chr7	1.28E+08	CCDC136;FLNC;LRRC4	0.287134	2.01196	0.045796	0.950507
cg25953672	chr4	56458449		0.219433	2.010418	0.04596	0.951433
cg16985632	chr20	30432938	TSPY26P	-0.21915	-2.01014	0.04599	0.951503
cg06726490	chr2	97166001	KANSL3	0.255481	2.012429	0.045746	0.950267
cg07016356	chr2	2.19E+08		-0.21666	-2.00948	0.046061	0.951503
cg10930679	chr3	98047673		0.209309	2.012599	0.045728	0.950195
cg17249210	chr10	1.03E+08	SCD	-0.25135	-2.0113	0.045866	0.95061
cg14047494	chr9	5418779	PPAPDC2	0.252473	2.010049	0.046	0.951503
cg21599820	chr12	24891597		0.308605	2.011953	0.045797	0.950507
cg08193085	chr2	1.98E+08		-0.18983	-2.00994	0.046012	0.951503
cg05166819	chr7	72936456	LIMK1	-0.23239	-2.01029	0.045974	0.951462
ch.5.38673910R	chr5	38638153		-0.29943	-2.01002	0.046003	0.951503

cg11415152	chr19	58994892		-0.17989	-2.01027	0.045976	0.951462
cg09496915	chr6	37751619		0.185807	2.012568	0.045731	0.950195
cg12678191	chr6	31802415		-0.18245	-2.01089	0.04591	0.951027
cg06136573	chr11	1.1E+08		0.338558	2.013185	0.045666	0.950195
cg16016165	chr17	28257073		-0.26808	-2.0142	0.045558	0.950195
cg08772003	chr10	1.05E+08		0.356392	2.00995	0.04601	0.951503
cg16794961	chr2	5882032		-0.33679	-2.00991	0.046015	0.951503
cg19734163	chr7	1.39E+08		0.243783	2.012681	0.045719	0.950195
cg20700977	chr11	1.17E+08	TAGLN	0.259014	2.009942	0.046011	0.951503
cg03988533	chr11	1.25E+08	STT3A;EI24	0.147471	2.01005	0.046	0.951503
cg00712792	chr16	89921048		-0.20108	-2.0105	0.045952	0.951433
cg06117184	chr2	1.14E+08		-0.39271	-2.00998	0.046007	0.951503
cg00954003	chr2	85132392		-0.09838	-2.01214	0.045777	0.950442
cg10716607	chr9	32552648	AQP7	-0.17986	-2.01338	0.045645	0.950195
cg00808175	chr12	6949119		0.189696	2.00871	0.046143	0.951503
cg15993354	chr19	12912590		-0.21479	-2.00879	0.046134	0.951503
cg02610550	chr13	74708579		-0.34499	-2.012	0.045792	0.950507
cg04991337	chr3	1.83E+08		-0.28913	-2.01323	0.045661	0.950195
cg20725907	chr3	1.44E+08		0.265165	2.01161	0.045833	0.950581
cg27509693	chr11	1.34E+08		0.440418	2.010277	0.045976	0.951462
cg23719130	chr15	43477616		0.148901	2.009247	0.046086	0.951503
cg06518714	chr8	9870454		0.293373	2.009888	0.046017	0.951503
cg19725625	chr3	1.55E+08	PLCH1	0.43095	2.008481	0.046168	0.951503
cg01027937	chr4	74486080		-0.30894	-2.01098	0.045901	0.951027
cg01297808	chr10	94180551		0.210224	2.009816	0.046025	0.951503

cg13279643	chr4	25071580		-0.25578	-2.00887	0.046127	0.951503
cg22606658	chr4	1.51E+08		0.259133	2.009543	0.046054	0.951503
cg05099221	chr17	46036365		0.244921	2.009957	0.04601	0.951503
cg10052118	chr17	53499747		0.224207	2.01138	0.045858	0.95061
cg02564761	chr4	37246054	ENSG00000251438	0.206764	2.009639	0.046044	0.951503
cg15897613	chr1	23418405		-0.25982	-2.01084	0.045915	0.951027
cg21115977	chr10	48416510	ANTXRLP1	-0.25904	-2.00814	0.046205	0.951503
cg09162751	chr7	1.27E+08		0.154451	2.01267	0.04572	0.950195
cg00828689	chr3	1.97E+08		-0.34945	-2.00983	0.046024	0.951503
cg05874355	chr11	71724677	FCHSD2	0.272415	2.009242	0.046086	0.951503
cg09956037	chr11	1899652	ENSG00000235027	-0.23251	-2.01069	0.045932	0.951276
cg15786705	chr6	28176104		-0.17456	-2.01111	0.045886	0.950939
cg02849309	chr6	1.44E+08		0.273325	2.008038	0.046215	0.951503
cg11382589	chr17	22052191		0.350922	2.008725	0.046142	0.951503
cg11840104	chr2	2.18E+08		-0.19094	-2.01016	0.045988	0.951503
cg26118202	chr5	1806471		-0.21048	-2.00739	0.046284	0.951503
cg12411309	chr12	54582659		-0.22836	-2.00909	0.046102	0.951503
cg25994883	chr1	2.35E+08		-0.18525	-2.0091	0.046102	0.951503
cg10622307	chr19	18433643		-0.17567	-2.0101	0.045994	0.951503
cg00734895	chr19	7532157		-0.3367	-2.00985	0.046021	0.951503
cg09288089	chr7	43563447	YKT6	-0.18625	-2.00947	0.046062	0.951503
cg21902119	chr17	41173883	RPL27	0.215301	2.009301	0.04608	0.951503
cg23891858	chr1	1093212		-0.22373	-2.00889	0.046124	0.951503
cg00273340	chr11	64112444	RARRES3	-0.21116	-2.0094	0.046069	0.951503
cg16024801	chr1	2.31E+08		-0.31686	-2.00823	0.046195	0.951503

cg13116478	chr1	9217203		-0.25227	-2.00771	0.04625	0.951503
cg18264459	chr5	864297		-0.1355	-2.01038	0.045965	0.951433
cg06777581	chr6	37321919	CPNE5	0.176244	2.008494	0.046166	0.951503
cg06242063	chr11	67033801		0.140323	2.009255	0.046085	0.951503
cg23845310	chr20	45138738		-0.30962	-2.00797	0.046223	0.951503
cg12663321	chr1	46972470	POMGNT1	-0.30451	-2.00743	0.046281	0.951503
cg04391048	chr2	18766022		0.336695	2.009671	0.04604	0.951503
cg09715545	chr16	85196350		-0.40972	-2.00744	0.046279	0.951503
cg08525314	chr19	1854819	GNG7;HMHA1	-0.39708	-2.00771	0.04625	0.951503
cg09423283	chr6	1.47E+08		0.312791	2.008865	0.046127	0.951503
cg11874613	chr10	30237495	SVIL;ZNF438;KIA A1462	-0.24561	-2.0084	0.046177	0.951503
cg03152720	chr4	2399925	SLBP	-0.18301	-2.00838	0.046179	0.951503
cg21821656	chr12	72689083		-0.21075	-2.00781	0.046239	0.951503
cg12189551	chr14	60952945	TRMT5	0.391287	2.006902	0.046337	0.951503
cg13918751	chr9	1.4E+08		-0.29301	-2.00857	0.046158	0.951503
cg05692127	chr2	55920477		0.214316	2.008066	0.046212	0.951503
cg05694052	chr11	5905892		-0.34383	-2.01031	0.045972	0.951462
cg21449445	chr8	1.45E+08		-0.22574	-2.00972	0.046035	0.951503
cg14894848	chr22	48884945		0.235742	2.008938	0.046119	0.951503
cg08976060	chr12	6832943		0.289876	2.008258	0.046192	0.951503
cg03128972	chr17	19140659	ENSG00000252349	-0.2685	-2.00653	0.046377	0.951503
cg24040382	chr1	2.25E+08		-0.17278	-2.0079	0.04623	0.951503
cg07977178	chr11	63997715		0.153504	2.009094	0.046102	0.951503
cg06567829	chr16	89440878		-0.19571	-2.00937	0.046072	0.951503

cg17408087	chr5	78369355		-0.22887	-2.00904	0.046108	0.951503
cg01120851	chr1	6657644		-0.27285	-2.00706	0.04632	0.951503
cg14252519	chr9	1.38E+08		0.528859	2.006965	0.046331	0.951503
cg02565715	chr17	75525001		0.243507	2.008331	0.046184	0.951503
cg14537953	chr2	1.14E+08		-0.2461	-2.00956	0.046052	0.951503
cg17515932	chr7	1.56E+08		0.241884	2.009261	0.046084	0.951503
cg10228283	chr1	1.53E+08		-0.3611	-2.00878	0.046136	0.951503
cg07341624	chr20	2539167		0.229982	2.007049	0.046322	0.951503
cg04299135	chr11	1.29E+08		0.326416	2.006458	0.046385	0.951503
cg10738041	chr2	27991264		-0.22353	-2.00817	0.046202	0.951503
cg04568774	chr16	71569741		-0.25962	-2.00823	0.046195	0.951503
cg16632433	chr5	1.81E+08		-0.19853	-2.00827	0.04619	0.951503
cg20560906	chr3	47459876		-0.17656	-2.00946	0.046063	0.951503
cg03885332	chr11	832357	TSPAN4	0.298469	2.00967	0.04604	0.951503
cg21489753	chr5	1.38E+08		-0.18619	-2.00607	0.046427	0.951503
cg12114049	chr22	31892114		-0.14249	-2.00692	0.046335	0.951503
cg01010012	chr13	29933537		0.18077	2.009352	0.046074	0.951503
cg16909341	chr9	1.3E+08		-0.28944	-2.00677	0.046351	0.951503
cg24573310	chr10	60029455		0.153592	2.008976	0.046115	0.951503
cg14290705	chr20	60858364	C20orf166-AS1	0.222388	2.009021	0.04611	0.951503
cg08151983	chr6	33223081		-0.26004	-2.01074	0.045926	0.951214
cg06258593	chr16	48199609		-0.25856	-2.00925	0.046085	0.951503
cg17878972	chr3	1.93E+08		-0.29055	-2.01134	0.045862	0.95061
cg16265557	chr4	8443089		0.217126	2.008315	0.046186	0.951503

cg26344606	chr8	21976510	PDLIM2;HR;REEP4	-0.19582	-2.00935	0.046074	0.951503
cg20237595	chr3	1.24E+08	MYLK	-0.25526	-2.01055	0.045946	0.951387
cg16684691	chr13	96949801		-0.35422	-2.00727	0.046297	0.951503
cg22870899	chr14	65347138		-0.15685	-2.00798	0.046221	0.951503
cg19667811	chr10	30405328	KIAA1462;SVIL;PTCHD3P1;ZNF438;ENSG00000272914	0.287772	2.00957	0.046051	0.951503
cg18959907	chr2	54517309		0.439022	2.008178	0.0462	0.951503
cg14341771	chr9	1.33E+08		0.239183	2.008961	0.046116	0.951503
cg19904031	chr1	1.58E+08		-0.27056	-2.0073	0.046295	0.951503
cg08812189	chr3	1.47E+08		0.319762	2.00789	0.046231	0.951503
cg04427860	chr17	96056		-0.18511	-2.00819	0.046199	0.951503
cg22280333	chr11	193016		-0.17061	-2.00906	0.046106	0.951503
cg09861871	chr22	43253517		-0.20446	-2.00725	0.0463	0.951503
cg02456406	chr19	36288702		0.245707	2.009024	0.04611	0.951503
cg23498925	chr13	52952113		0.259451	2.009707	0.046037	0.951503
cg06315974	chr1	1.55E+08		0.280784	2.009127	0.046099	0.951503
cg05008367	chr7	32994013		-0.24838	-2.00806	0.046213	0.951503
cg05779246	chr17	7258070	CLDN7;VAMP2;TNFSF12;SLC2A4;ATP1B2;PER1;MPDU1;ACAP1;ELP5;CTC1;TXNDC17;ARHGEF15	-0.281	-2.00807	0.046212	0.951503
cg16095593	chr1	2.49E+08		-0.18187	-2.00631	0.046401	0.951503

cg14135272	chr6	1.67E+08		-0.2191	-2.00868	0.046147	0.951503
cg23930945	chr11	15136376		0.320889	2.007949	0.046225	0.951503
cg09429437	chr5	6755265		0.27314	2.008468	0.046169	0.951503
cg21540035	chr7	99612715	BUD31;ZKSCAN1;ZNF3;KPNA7;ZCWPW1;EPHB4;COPS6;ACHE;STAG3;GAL3ST4;ARPC1A	-0.33206	-2.01188	0.045804	0.950567
cg27305357	chr5	1.41E+08		0.235464	2.007049	0.046322	0.951503
cg21605366	chr8	22294262		-0.22239	-2.00871	0.046143	0.951503
cg08130643	chr3	1.34E+08		-0.17143	-2.00635	0.046396	0.951503
cg22690046	chr1	36863663		0.1485	2.0075	0.046273	0.951503
cg14157844	chr10	1.23E+08		0.280837	2.009274	0.046083	0.951503
cg04139827	chr1	1.52E+08	TUFT1;ENSG00000223861;S100A10;PIP5K1A;RORC	-0.35033	-2.00852	0.046163	0.951503
cg19888869	chr4	54967674		0.220304	2.008357	0.046181	0.951503
cg14089045	chr14	91820590	CALM1	-0.3961	-2.00831	0.046186	0.951503
cg15685762	chr8	42298248		-0.22049	-2.00824	0.046194	0.951503
cg00447632	chr1	935861		-0.20467	-2.00647	0.046383	0.951503
cg06050964	chr8	98160907		-0.30728	-2.00685	0.046344	0.951503
cg04991036	chr14	29243762		0.256702	2.007802	0.046241	0.951503
cg01240385	chr4	84254417		-0.17796	-2.00887	0.046126	0.951503
cg10654584	chr17	77114640		0.188099	2.006476	0.046383	0.951503
cg04177287	chr4	21857313	GPR125	-0.41854	-2.00683	0.046345	0.951503

cg20673819	chr6	1.66E+08		0.325898	2.00744	0.04628	0.951503
cg11340363	chr19	17985049		-0.1645	-2.0056	0.046478	0.95171
cg06018095	chr13	46550134		0.309751	2.008696	0.046145	0.951503
cg22464883	chr20	31407537		-0.19596	-2.00827	0.04619	0.951503
cg11007391	chr12	86995819		-0.1845	-2.00633	0.046399	0.951503
cg06460553	chr22	49763530		-0.24969	-2.01041	0.045961	0.951433
cg04533248	chr17	58755185		-0.14716	-2.00912	0.0461	0.951503
cg12815355	chr2	75894077		0.329515	2.007582	0.046264	0.951503
cg04560456	chr6	1.05E+08		0.315712	2.006318	0.0464	0.951503
cg26025580	chr1	1.6E+08		-0.26657	-2.0082	0.046198	0.951503
cg07954572	chr12	1.17E+08		-0.20721	-2.00641	0.046391	0.951503
cg07292235	chr16	48844170		0.246441	2.006363	0.046395	0.951503
cg09346118	chr1	1.56E+08		0.217256	2.005327	0.046507	0.95194
ch.6.624003F	chr6	25317643		0.289136	2.007125	0.046313	0.951503
cg00214395	chr3	1.49E+08		-0.32951	-2.00692	0.046336	0.951503
cg25741116	chr17	78418034		0.269622	2.006532	0.046377	0.951503
cg11905651	chr19	44008615		-0.26898	-2.00792	0.046228	0.951503
cg08479319	chr15	66648941		-0.22101	-2.00736	0.046288	0.951503
cg02102644	chr17	35969361	C17orf96;HNF1B	-0.1595	-2.00579	0.046458	0.95163
cg11909587	chr6	1.58E+08		-0.21752	-2.00903	0.046109	0.951503
cg12608702	chr11	45392566		0.284471	2.008158	0.046202	0.951503
cg15620294	chr3	1.84E+08		-0.23035	-2.00863	0.046152	0.951503
cg19969650	chr5	1634502	ENSG00000188002	0.543436	2.006022	0.046432	0.951503
cg16139239	chr2	32288444		0.159555	2.007785	0.046242	0.951503
cg11805188	chr5	1089722	LPCAT1	0.215223	2.005199	0.046521	0.952042

cg24395801	chr1	86622624	LINC01140	-0.23292	-2.00681	0.046347	0.951503
cg25032595	chr13	96204978		0.369938	2.010487	0.045953	0.951433
cg25273602	chr1	29062859		0.410316	2.006182	0.046415	0.951503
cg11416102	chr8	651193		0.320165	2.006709	0.046358	0.951503
ch.9.88862796F	chr9	89672976		-0.2512	-2.00897	0.046115	0.951503
cg01820273	chr6	35754906		-0.38103	-2.00667	0.046363	0.951503
cg23032215	chr1	71548950		-0.24957	-2.00705	0.046322	0.951503
cg03041617	chr7	2695410		0.226841	2.005966	0.046438	0.951503
cg08855630	chr3	68978377		-0.31617	-2.00576	0.046461	0.95163
cg26258877	chr1	1.55E+08		-0.17481	-2.00595	0.04644	0.951503
cg18644235	chr19	57352746		0.211205	2.007407	0.046283	0.951503
cg04168050	chr1	2.2E+08		0.253481	2.008375	0.046179	0.951503
cg18812579	chr11	85906252		-0.25403	-2.00614	0.04642	0.951503
cg18796458	chr19	2308423		0.237904	2.007084	0.046318	0.951503
cg04102894	chr7	1000210		-0.33495	-2.00698	0.04633	0.951503
cg11100933	chr5	1174646		-0.27316	-2.00908	0.046104	0.951503
cg23858410	chr22	46276678		0.35249	2.008003	0.046219	0.951503
cg22110650	chr3	1.37E+08		-0.28742	-2.00666	0.046364	0.951503
cg12995004	chr5	17395952		0.254441	2.005971	0.046438	0.951503
cg25131503	chr6	90529529		-0.12476	-2.00674	0.046355	0.951503
cg08171142	chr6	53013942		-0.24521	-2.00787	0.046233	0.951503
cg27287438	chr7	1066396		-0.1752	-2.01016	0.045988	0.951503
cg23245800	chr17	26671563		0.234831	2.008263	0.046191	0.951503
cg11702896	chr5	1.73E+08		0.49033	2.006791	0.046349	0.951503
cg06824294	chr1	22919087		-0.21122	-2.00598	0.046437	0.951503

cg06809823	chr17	1837787	RAP1GAP2	-0.29095	-2.00578	0.046458	0.95163
cg21297673	chr1	22469723		-0.15816	-2.00553	0.046485	0.951761
cg17930857	chr21	47817141		-0.24771	-2.00649	0.046382	0.951503
cg05617413	chr12	1.33E+08		-0.1578	-2.00528	0.046512	0.951948
cg05654096	chr12	1.06E+08	ALDH1L2	0.20015	2.009731	0.046034	0.951503
cg17298489	chr10	3109555		-0.19344	-2.00596	0.046438	0.951503
cg16238918	chr18	78004303	ENSG00000267270	0.42399	2.006113	0.046422	0.951503
cg17723508	chr6	31474240		0.18469	2.005356	0.046504	0.95194
cg16490925	chr18	76560017		-0.19562	-2.00596	0.046439	0.951503
cg22942971	chr1	2.28E+08		-0.18393	-2.00712	0.046314	0.951503
cg13897833	chr13	74562744		0.295294	2.006133	0.04642	0.951503
cg26185508	chr1	54619445	LRP8	0.337971	2.007068	0.04632	0.951503
cg27218212	chr2	1.37E+08	CXCR4	-0.27467	-2.00532	0.046508	0.95194
cg08435157	chr15	73889561	ISLR	-0.31936	-2.00661	0.046368	0.951503
cg05351111	chr18	32720300		-0.21127	-2.00688	0.04634	0.951503
cg18403578	chr6	33278352		0.176309	2.005987	0.046436	0.951503
cg10640168	chr8	1.41E+08		-0.25992	-2.00594	0.046441	0.951503
cg01177849	chr15	87414956		-0.17999	-2.00622	0.046411	0.951503
cg13561518	chr14	22336334		-0.31366	-2.00632	0.0464	0.951503
cg22630433	chr19	45582582		0.136699	2.00647	0.046384	0.951503
cg02103689	chr17	79995725		0.156212	2.006472	0.046384	0.951503
cg16260343	chr11	1.19E+08		0.123174	2.006709	0.046358	0.951503
cg06521597	chr19	2783551	SCAMP4	-0.16317	-2.00536	0.046504	0.95194
cg01718071	chr16	2129354		-0.2383	-2.0071	0.046316	0.951503
cg07583490	chr19	15375374		0.205589	2.007229	0.046302	0.951503

cg20499033	chr10	12085115		-0.18102	-2.00407	0.046642	0.952612
cg13702192	chr6	1.69E+08		0.249844	2.008006	0.046219	0.951503
cg03021496	chr6	71997462		-0.28609	-2.00565	0.046473	0.951648
cg06945747	chr19	48324309		-0.17128	-2.00592	0.046444	0.951503
cg14480531	chr17	55700565	SEPT4;SUPT4H1; TRIM25;MRPS23	0.265722	2.003738	0.046679	0.952766
cg27589204	chr16	740182		-0.14912	-2.00599	0.046435	0.951503
cg25681774	chr17	957287		0.201736	2.006184	0.046415	0.951503
ch.18.546433R	chr18	27424749		-0.3684	-2.00489	0.046555	0.952361
cg07741016	chr5	1.4E+08		0.176106	2.00662	0.046368	0.951503
cg14440723	chr9	87366222		0.282495	2.005008	0.046542	0.952236
cg11086697	chr5	1.31E+08		-0.15351	-2.0051	0.046532	0.952221
cg27507261	chr17	5403053	CXCL16;NUP88	0.31164	2.004476	0.046599	0.952428
cg20255933	chr12	20094250		-0.19294	-2.00565	0.046473	0.951648
cg11492964	chr3	39373813		0.280851	2.004848	0.046559	0.952361
cg10054262	chr7	856283		-0.18582	-2.00458	0.046588	0.952428
cg09110634	chr2	2.33E+08		0.216369	2.003449	0.04671	0.952811
cg24852446	chr1	21934726	LDLRAD2;CDC42; DDOST	0.257949	2.00505	0.046537	0.952236
cg19904058	chr10	1.35E+08		-0.45369	-2.00322	0.046735	0.952867
cg22886405	chr7	74508925		-0.21015	-2.00378	0.046675	0.952766
cg03353654	chr10	80677715		-0.1926	-2.00426	0.046623	0.952535
cg19748436	chr1	77096137		-0.28404	-2.00662	0.046368	0.951503
cg21128568	chr2	2.16E+08		-0.32979	-2.00487	0.046557	0.952361
cg09583839	chr1	2.28E+08		-0.15756	-2.00644	0.046388	0.951503

cg12687527	chr9	80262456	GNA14	0.186301	2.004685	0.046577	0.952428
cg10055580	chr17	46707781	ABI3	0.337954	2.004347	0.046613	0.952535
cg10101570	chr8	1.45E+08	GPIHBP1;TSTA3;ZNF696	0.250309	2.004765	0.046568	0.952408
cg17479060	chr17	81016185		0.51336	2.003901	0.046661	0.952674
cg14760438	chr6	33409448	RPS18;DAXX;RPL32P1	-0.16626	-2.0032	0.046737	0.952867
cg09462477	chr3	1.96E+08		0.230268	2.005201	0.046521	0.952042
cg01163837	chr2	31457287		0.199765	2.003505	0.046704	0.952784
cg26794970	chr12	2967069		0.197864	2.003668	0.046687	0.952784
cg05766489	chr16	50875307	ADCY7;ZNF423;ENSG00000260057;SNX20	0.315605	2.003667	0.046687	0.952784
cg23166773	chr1	2.44E+08		0.317653	2.005999	0.046435	0.951503
cg07546062	chr14	72925007	ENSG00000258376	-0.21737	-2.00446	0.046601	0.952428
cg20521527	chr10	1.01E+08		0.167519	2.003873	0.046664	0.952674
cg16235679	chr5	476842	ENSG00000188242;TPPP;SLC9A3	-0.54632	-2.00271	0.04679	0.952919
cg19741688	chr14	70346849		0.276672	2.004186	0.04663	0.952558
cg09781994	chr4	1.12E+08		0.395989	2.003977	0.046653	0.952612
cg09200304	chr13	1.14E+08		-0.16374	-2.00456	0.04659	0.952428
cg05529754	chr16	85045486		-0.17892	-2.00452	0.046594	0.952428
cg24531396	chr22	36013560		-0.21355	-2.00925	0.046086	0.951503
cg25729257	chr5	1.78E+08		0.213091	2.004003	0.04665	0.952612
cg15169266	chr7	41376887	SUGCT	0.311585	2.007361	0.046288	0.951503
cg23858532	chr4	1.54E+08		0.260604	2.005026	0.04654	0.952236

cg09468836	chr19	55889611	SSC5D;PTPRH;PPP1R12C;CDC42EP5	0.325488	2.006232	0.04641	0.951503
cg11345811	chr10	3283643		-0.20059	-2.00719	0.046306	0.951503
cg08858926	chr16	72918832		0.414946	2.006836	0.046345	0.951503
cg10062065	chr2	2.2E+08	SPEG;DES;STK16	0.312721	2.003745	0.046678	0.952766
cg01349772	chr2	64300445		0.229159	2.004277	0.046621	0.952535
cg12138286	chr4	71566524	SULT1E1	-0.28423	-2.00422	0.046627	0.952558
ch.5.754313F	chr5	34829875		0.333181	2.005817	0.046454	0.95163
cg27624471	chr18	77280171		0.326602	2.005649	0.046472	0.951648
cg24977541	chr3	1.7E+08		-0.24882	-2.00465	0.04658	0.952428
cg14123923	chr13	79176572		0.185805	2.004452	0.046602	0.952428
cg22765829	chr6	1.68E+08		-0.27552	-2.00486	0.046558	0.952361
cg08888956	chr12	86267839	NTS	0.436329	2.003164	0.046741	0.952867
cg25495775	chr17	46970705		-0.16207	-2.00605	0.046429	0.951503
cg14615195	chr2	2335088		0.316929	2.004447	0.046602	0.952428
cg25377475	chr1	2.36E+08		-0.15283	-2.00447	0.0466	0.952428
cg13464401	chr21	44477740		-0.23142	-2.00397	0.046654	0.952612
cg10306079	chr6	1.09E+08		0.137098	2.003224	0.046735	0.952867
cg23032936	chr10	48573365		0.347596	2.005013	0.046541	0.952236
cg19468290	chr11	19380814		0.229501	2.004766	0.046568	0.952408
cg04027059	chr16	3482078		0.269361	2.00486	0.046558	0.952361
cg05930400	chr1	36273677		-0.17465	-2.00339	0.046717	0.952867
cg04169102	chr22	38306266		-0.18615	-2.00416	0.046634	0.952569
cg00882883	chr12	1.33E+08		0.216431	2.003502	0.046705	0.952784
cg24910410	chr5	1.8E+08		0.152332	2.004685	0.046577	0.952428

cg03406609	chr16	89129633		-0.23144	-2.0028	0.046781	0.952919
cg05562080	chr4	38666448		-0.22847	-2.00674	0.046355	0.951503
cg03291607	chr4	644572		0.313302	2.00303	0.046756	0.952867
cg04177517	chr19	33571484		0.230861	2.002421	0.046822	0.95293
cg11724750	chr6	1.64E+08		-0.25	-2.00398	0.046653	0.952612
cg16419638	chr2	2.34E+08		0.168995	2.004485	0.046598	0.952428
cg14092536	chr9	1.31E+08	RALGPS1;C9orf117	-0.12528	-2.00329	0.046728	0.952867
cg04253954	chr16	1148837		0.177958	2.002967	0.046762	0.952867
cg18596686	chr20	61908483		-0.1787	-2.00431	0.046617	0.952535
cg15645309	chr14	75988747	BATF	0.391654	2.00628	0.046404	0.951503
cg24094804	chr19	19737909		0.238502	2.003482	0.046707	0.952784
cg22135561	chr5	1865501		-0.31966	-2.00303	0.046756	0.952867
cg00016238	chr1	2.44E+08		-0.4482	-2.00211	0.046856	0.95293
cg06154570	chr1	40105764		0.157671	2.003933	0.046658	0.952651
cg13212362	chr1	21648026	LDLRAD2	-0.22701	-2.00775	0.046246	0.951503
cg03516705	chr1	1.8E+08		0.336409	2.00364	0.04669	0.952784
cg11655564	chr12	1.34E+08		-0.25651	-2.0057	0.046467	0.951648
cg02999146	chr20	61926731	SOX18	-0.23235	-2.00409	0.04664	0.952612
cg11410859	chr3	38687164		-0.1992	-2.00635	0.046397	0.951503
cg25274275	chr2	2.33E+08	SCARNA6;SCARNA5	0.215415	2.002754	0.046786	0.952919
cg20596162	chr15	45408861	DUOX2;DUOXA1;DUOXA2	0.259473	2.00306	0.046752	0.952867
cg00350503	chr19	13613614	DDX39A	-0.25114	-2.00446	0.046601	0.952428
cg00650641	chr7	27127752		0.279934	2.002653	0.046797	0.952919

cg03900474	chr12	1.15E+08		0.219016	2.005768	0.04646	0.95163
cg07222434	chr16	20395031		-0.33229	-2.00407	0.046643	0.952612
cg08109537	chr2	74045585		-0.23942	-2.00332	0.046724	0.952867
cg11941630	chr20	1283388		-0.3345	-2.00252	0.046811	0.952919
cg16144447	chr1	36184773		0.154957	2.002818	0.046779	0.952919
ch.8.54249749F	chr8	54087196		0.28698	2.004678	0.046577	0.952428
cg07723510	chr6	30228063		0.278159	2.005307	0.046509	0.95194
cg00443971	chr4	1.74E+08		-0.25028	-2.00309	0.046749	0.952867
cg10945274	chr13	1.01E+08		0.253697	2.002498	0.046813	0.952919
cg00464773	chr17	79041990		-0.14108	-2.006	0.046434	0.951503
cg16397746	chr13	98092033		0.25723	2.00618	0.046415	0.951503
cg13937312	chr9	27342183		-0.2923	-2.00336	0.04672	0.952867
cg21786601	chr7	1.16E+08	CAV1	-0.28015	-2.00318	0.046739	0.952867
cg00553880	chr9	15511231	CCDC171	-0.1775	-2.00357	0.046698	0.952784
cg16651583	chr11	68850875		-0.24095	-2.00258	0.046804	0.952919
cg25575553	chr17	46048364		-0.2275	-2.00294	0.046766	0.952867
cg18147543	chr1	16276294		-0.25984	-2.00601	0.046434	0.951503
cg20860638	chr3	1.97E+08		-0.19552	-2.00162	0.046909	0.953066
cg15585332	chr13	67101887		0.258961	2.002434	0.04682	0.95293
cg10303967	chr8	97537718		-0.27347	-2.00253	0.04681	0.952919
cg20729123	chr4	2276943		-0.20519	-2.00258	0.046804	0.952919
cg18228456	chr2	2.43E+08		-0.41433	-2.00226	0.04684	0.95293
cg02571560	chr6	32037587	HCP5;C2;AGPAT1;TAP1	-0.26554	-2.0022	0.046846	0.95293
cg17422704	chr11	1.29E+08		0.239022	2.003146	0.046743	0.952867

cg04916984	chr12	1.13E+08		-0.23877	-2.0027	0.046792	0.952919
cg04930001	chr16	73419745		0.19116	2.005729	0.046464	0.951645
cg21899610	chr3	15118612		-0.24892	-2.00362	0.046692	0.952784
cg17498841	chr1	2.36E+08		-0.25382	-2.00773	0.046249	0.951503
cg13412498	chr9	36037340		-0.19915	-2.00432	0.046616	0.952535
cg22046121	chr1	2.1E+08		0.137392	2.003524	0.046702	0.952784
cg06952671	chr2	1.82E+08		0.160721	2.001917	0.046876	0.95293
cg24151027	chr5	77656318		-0.17448	-2.00296	0.046763	0.952867
cg26502852	chr17	6659199	TNK1	-0.19164	-2.00206	0.046861	0.95293
cg09344943	chr11	65082364		-0.14751	-2.00227	0.046838	0.95293
cg03780079	chr19	52097905	ZNF649;ZNF808;ZNF528	-0.15949	-2.00376	0.046677	0.952766
cg17087698	chr6	1.59E+08		-0.34243	-2.00225	0.04684	0.95293
cg08731009	chr13	99158901		0.203942	2.001197	0.046955	0.953188
cg24286789	chr6	10417726		0.184452	2.001793	0.04689	0.952967
cg14918743	chr14	1.05E+08	C14orf79;NUDT14;INF2;ADSSL1;KIF26A;IGHA2	0.302356	2.002673	0.046794	0.952919
cg18901980	chr17	38911540		0.274008	2.000907	0.046986	0.953273
cg10918735	chr19	39754974		0.233189	2.006178	0.046415	0.951503
cg10325478	chr14	88793021		0.348019	2.001498	0.046922	0.953113
cg23068499	chr2	1.77E+08		0.235393	2.001689	0.046901	0.953023
cg24100506	chr3	44903551		-0.18057	-2.00195	0.046873	0.95293
cg11423990	chr22	36877559		-0.198	-2.00193	0.046875	0.95293
cg04903089	chr6	32905190	HLA-DMA	-0.24828	-2.00294	0.046766	0.952867
cg06648971	chr3	1.25E+08		0.124539	2.001251	0.046949	0.953188

cg26215009	chr5	34008104	TARS;ENSG00000249572;TTC23L	-0.19321	-2.00178	0.046891	0.952967
cg25104648	chr18	18566146		0.239839	2.002117	0.046855	0.95293
cg07472438	chr2	2.3E+08		-0.19324	-2.00108	0.046967	0.953188
cg22956431	chr5	34839036		0.293184	2.003485	0.046706	0.952784
cg06133062	chr3	62111708		-0.22622	-2.00557	0.04648	0.951713
cg13236659	chr20	2490040		0.279219	2.004294	0.046619	0.952535
cg19557623	chr17	40540543	RPL27	-0.18159	-2.00225	0.046841	0.95293
cg20025656	chr1	2.3E+08		0.18359	2.001421	0.04693	0.953113
cg00470341	chr2	1.83E+08		-0.43303	-2.00127	0.046947	0.953188
cg15727287	chr5	1.76E+08		0.348753	2.001629	0.046908	0.953066
cg18772158	chr3	16215032	OXNAD1	-0.20718	-2.00188	0.046881	0.95293
cg10203842	chr1	19280546	NBL1;KLHDC7A;AKR7A2;IFFO2	-0.32989	-2.00386	0.046666	0.952674
cg16573957	chr8	21970273	BIN3;GFRA2	-0.2518	-2.00139	0.046934	0.953113
cg05650719	chr12	1.32E+08		0.43516	2.003989	0.046652	0.952612
cg05540573	chr4	1.9E+08		0.275449	2.004254	0.046623	0.952535
cg15999099	chr8	1.2E+08		-0.2456	-2.00535	0.046504	0.95194
cg14260643	chr7	99277394	CYP3A5	-0.20667	-2.0012	0.046955	0.953188
cg18169128	chr14	53619322		-0.16895	-2.00228	0.046837	0.95293
cg23066280	chr7	1.58E+08		-0.89053	-2.00088	0.046989	0.953273
cg09238483	chr3	38496774		0.212087	2.002844	0.046776	0.952919
cg06825166	chr10	98119079	ENTPD1	-0.17469	-2.00633	0.046399	0.951503
cg10983720	chr1	1.14E+08		0.211385	2.001431	0.046929	0.953113
cg21608195	chr8	30891249		-0.14721	-2.00173	0.046896	0.95297

cg07233343	chr1	17944660	RCC2;ARHGEF10L;PADI1	0.261592	2.001948	0.046873	0.95293
cg16128892	chr3	1.5E+08		-0.35809	-2.00176	0.046894	0.952967
cg24322398	chr17	72889791		-0.2102	-2.00149	0.046923	0.953113
cg24184792	chr8	1.33E+08		0.394037	2.00199	0.046868	0.95293
cg01990334	chr1	42801334		-0.15616	-2.00025	0.047058	0.953416
cg23777444	chr6	1.53E+08		-0.13318	-2.00296	0.046763	0.952867
cg06699519	chr11	2398327		0.293663	2.001386	0.046934	0.953113
cg11684897	chr17	2951666		0.291618	2.001299	0.046944	0.953188
cg22811572	chr5	72861858		0.194328	2.003065	0.046752	0.952867
cg04392133	chr4	1.91E+08		-0.25222	-2.00212	0.046854	0.95293
cg00691671	chr1	65435148		-0.24136	-2.00418	0.046631	0.952558
cg22051345	chr4	1.84E+08		0.733795	2.002013	0.046866	0.95293
cg12141340	chr1	19890415	NBL1	-0.2855	-2.00477	0.046568	0.952408
cg12138124	chr1	7797432		-0.33948	-1.99987	0.047099	0.953429

cg07622193	chr19	42701920	CEACAM6;AXL;DEDD2;CEACAM3;CIC;MEGF8;CEACAM5;GRIK5;ENSG00000268027	-0.27788	-2.0018	0.046889	0.952967
cg17590938	chr2	97202435		-0.1587	-2.00023	0.04706	0.953416
cg03331853	chr13	48669516		-0.14723	-2.00105	0.046971	0.953221

cg13826452	chr6	26758395	HIST1H2BH;BTN3A2;HIST1H3G;HIST1H3F;HIST1H3B	0.30417	2.000926	0.046984	0.953273
cg22282672	chr5	1.21E+08		-0.32015	-2.00196	0.046872	0.95293

cg24020826	chr8	1.41E+08		-0.25366	-2.00111	0.046965	0.953188
cg20114739	chr10	53459604		-0.28474	-2.00189	0.04688	0.95293
cg24848948	chr3	12942355		0.179174	2.000938	0.046983	0.953273
cg13084731	chr7	20834411	ENSG00000233834;ITGB8	0.365427	2.000937	0.046983	0.953273
cg20549545	chr2	9563828		-0.14697	-2.00697	0.04633	0.951503
cg22098742	chr6	31936565		0.178744	2.002591	0.046803	0.952919
cg15485645	chr19	52839738		0.124026	2.000084	0.047076	0.953416
cg01691522	chr5	42998521	ENSG00000248554	0.307682	2.003052	0.046753	0.952867
cg14494451	chr2	1.54E+08		-0.20105	-2.00287	0.046773	0.952919
cg14210321	chr2	1.07E+08		-0.30928	-2.0008	0.046998	0.953305
cg19338277	chr6	26285358		0.217562	2.001311	0.046942	0.953188
cg01972335	chr9	1.4E+08		0.244461	2.000018	0.047083	0.953416
cg02622074	chr6	10412225		-0.25782	-2.00229	0.046836	0.95293
cg23996846	chr8	10383156		-0.23482	-1.99974	0.047114	0.953459
cg02659009	chr5	1.4E+08	PCDHA10	-0.17241	-2.00021	0.047062	0.953416
cg04342762	chr7	95705185		0.27809	2.002636	0.046798	0.952919
cg19789653	chr22	21368637		-0.14916	-2.00084	0.046994	0.953273
cg11867012	chr19	42364667		-0.30319	-2.0021	0.046857	0.95293
cg12585759	chr1	33547165	YARS	-0.15471	-2.00221	0.046844	0.95293
cg00529053	chr6	1.59E+08		-0.18192	-2.00026	0.047057	0.953416
cg10997718	chr2	1.62E+08		0.266642	2.001519	0.04692	0.953113
cg10081811	chr12	57390700	MARS;LRP1;ERB3;ARHGAP9	0.257796	1.999241	0.047168	0.953773
cg19539519	chr17	26553687		0.168371	2.002034	0.046864	0.95293

cg00516867	chr7	1.28E+08		0.273512	2.000413	0.04704	0.953416
cg09339089	chr1	1.6E+08	PVRL4;F11R	0.331905	2.002496	0.046814	0.952919
cg20220678	chr8	19243209		-0.31381	-2.00115	0.04696	0.953188
cg26549595	chr8	1.45E+08	ZNF696	0.25394	1.999859	0.047101	0.953429
cg10318443	chr17	685449		0.217189	2.002427	0.046821	0.95293
cg12986453	chr22	49137906		-0.26748	-1.99957	0.047132	0.95352
cg21029631	chr2	2.41E+08		-0.31904	-2.00066	0.047013	0.953416
cg13672501	chr17	27410685		0.20519	2.000204	0.047063	0.953416
cg15511738	chr3	48700027		0.195641	2.002931	0.046766	0.952867
cg19095568	chr15	41062113	GPR176;ENSG00000261183;SPINT1;DLL4;C15orf52;FSIP1;RMDN3;RHOV;LTK	-0.36162	-2.00534	0.046506	0.95194
cg06681324	chr2	1.65E+08		-0.26414	-2.00089	0.046988	0.953273
cg02118458	chr11	70567180		-0.20883	-2.00143	0.046929	0.953113
cg26070319	chr14	1.04E+08		-0.22057	-2.00067	0.047012	0.953416
cg24726768	chr8	1.09E+08		0.272524	2.001756	0.046894	0.952967
cg07023852	chr15	40696269		-0.25083	-1.99961	0.047128	0.953511
cg03993926	chr11	1.06E+08		0.153229	2.000556	0.047025	0.953416
cg14649965	chr2	73456858		0.203636	2.00052	0.047029	0.953416
cg21601493	chr13	1.1E+08		0.204371	2.000316	0.047051	0.953416
cg23830205	chr3	71127516		0.313487	2.002969	0.046762	0.952867
cg01268824	chr19	58220818	ZNF671;ZNF418;PEG3;ZNF154	0.225579	1.999051	0.047189	0.953788

cg20471877	chr13	43819351		0.227192	2.004602	0.046585	0.952428
cg22974236	chr4	4867979		0.170097	1.999102	0.047183	0.953788
cg09139491	chr13	20392431		0.268944	2.00089	0.046988	0.953273
cg14420785	chr10	5456908		-0.24117	-2.00197	0.04687	0.95293
cg25230532	chr9	34646550		-0.27929	-2.00025	0.047058	0.953416
cg15111486	chr1	1.84E+08		0.365414	1.999664	0.047122	0.953467
cg05017276	chr8	1.17E+08		-0.21517	-2.00041	0.04704	0.953416
cg00792172	chr1	1.51E+08	GABPB2	-0.19384	-2.00207	0.04686	0.95293
cg00048743	chr5	1.41E+08		0.415172	1.999914	0.047095	0.953416
cg27053975	chr1	1.67E+08		-0.27119	-2.00138	0.046935	0.953113
cg08464009	chr12	1.24E+08	ENSG00000251497;ENSG00000269938	0.33498	2.000134	0.047071	0.953416
cg08341924	chr14	24731542		-0.23614	-1.99982	0.047105	0.953452
cg22053854	chr11	1.12E+08	COLCA1	0.201385	2.002641	0.046798	0.952919
cg07196637	chr4	1.87E+08		0.257106	2.000498	0.047031	0.953416
cg04917860	chr7	22757135	RPS2P32	-0.26107	-2.00192	0.046876	0.95293
cg00647095	chr12	42852913		-0.318	-1.99948	0.047142	0.953571
cg08946332	chr17	6899888	CLDN7	0.26798	1.999392	0.047152	0.953712
cg02567151	chr20	61915437	RPS21	-0.27311	-2.0006	0.04702	0.953416
cg03760138	chr1	1079260	RNF223	-0.46954	-2.00161	0.04691	0.953066
cg17370847	chr10	3110781		0.214579	1.99824	0.047277	0.954227
cg10191248	chr10	1.34E+08		0.248744	1.998364	0.047264	0.954205
cg24504831	chr8	1.46E+08		-0.20562	-2.00334	0.046722	0.952867

			ZNF429;ENSG00000268119;ZNF493;ENSG00000268416;ENSG00000268081;ZNF737				
ch.19.21460585R	chr19	21668745		-0.38217	-1.99886	0.04721	0.953908
cg11558591	chr22	21356472		-0.15228	-1.99985	0.047102	0.953429
cg16970702	chr2	38978664		0.245587	1.99956	0.047133	0.95352
cg00108873	chr9	1.39E+08	FCN1	-0.23225	-1.99781	0.047324	0.954304
cg01689616	chr12	1.32E+08		-0.25377	-2.0036	0.046694	0.952784
cg22867816	chr4	16081205	PROM1;C1QTNF7;CC2D2A	0.364493	2.000032	0.047082	0.953416
cg09042577	chr11	1.19E+08	MCAM;KMT2A;PHLDB1;UBE4A	0.540568	1.997881	0.047317	0.954304
cg07676002	chr20	44880000		0.250757	2.000344	0.047048	0.953416
cg24133477	chr12	50677524		0.169969	1.999934	0.047092	0.953416
cg17724412	chr6	28829283		0.379103	1.998833	0.047213	0.953908
cg11539857	chr6	436594		-0.43914	-2.00012	0.047072	0.953416
cg15723536	chr19	54926617		0.130515	2.002728	0.046788	0.952919
cg18896539	chr11	65479495		-0.20456	-1.99976	0.047112	0.953459
cg18763854	chr1	22987905		-0.20873	-1.99854	0.047244	0.954183
cg11486637	chr11	77589972	NARS2	0.283388	2.000601	0.04702	0.953416
cg06212753	chr17	7329719		0.32109	2.000156	0.047068	0.953416
cg06519061	chr1	2.15E+08	KCNK2	-0.28192	-2.00055	0.047025	0.953416
cg06570447	chr3	1.94E+08	FAM43A	-0.22058	-1.99967	0.047121	0.953467
cg03438354	chr20	34537645		-0.293	-2.00078	0.047	0.953307
cg23658744	chr1	1.12E+08		0.209992	1.998905	0.047205	0.953908

cg10193817	chr11	1.15E+08		-0.24129	-1.99784	0.047321	0.954304
cg13352708	chr19	37337985		-0.31376	-1.99952	0.047137	0.953558
cg04012535	chr1	37176647		0.245452	1.999001	0.047194	0.953799
cg16367027	chr9	1.16E+08		0.245607	1.999289	0.047163	0.953724
cg24167118	chr13	39261169		-0.18745	-1.99928	0.047163	0.953724
cg10451237	chr16	4671436	HMOX2;ALG1	0.186646	1.999713	0.047116	0.953459
cg07800208	chr7	97157869		-0.2852	-2.00001	0.047084	0.953416
cg10129085	chr6	1.6E+08		-0.2512	-1.99917	0.047176	0.953788
cg01981727	chr8	47156687		0.179856	2.001171	0.046958	0.953188
cg19565795	chr6	1.7E+08		-0.26615	-2.00191	0.046877	0.95293
cg21712812	chr8	1.25E+08		-0.14932	-1.99839	0.047261	0.954205
cg06116236	chr19	54466724		0.3272	1.999197	0.047173	0.953781
cg23265439	chr17	62074445		-0.19173	-1.99909	0.047185	0.953788
cg26833652	chr12	1.02E+08		0.345492	2.000381	0.047044	0.953416
cg10909506	chr17	38081995		-0.31204	-1.99844	0.047256	0.954205
cg21290313	chr7	20158232		-0.2811	-1.99906	0.047188	0.953788
cg16154416	chr15	79382767		0.263714	1.99829	0.047272	0.954205
cg18330175	chr6	31697799		0.214202	1.998426	0.047257	0.954205
cg07933199	chr3	1.93E+08		-0.17012	-2.00019	0.047064	0.953416
cg09450063	chr13	1.09E+08		0.240008	1.998611	0.047237	0.954183
cg25101869	chr11	36531122		0.190571	1.998525	0.047246	0.954183
cg13728376	chr10	5523245	AKR1C3;AKR1C2	-0.36371	-2.00358	0.046696	0.952784
cg21178434	chr22	50683719		-0.13506	-2.00001	0.047084	0.953416
cg15146039	chr10	29013036		0.257387	1.998105	0.047292	0.954304
cg09174855	chr19	1592510		0.217384	1.998756	0.047221	0.953989

cg24979288	chr7	27242424		0.306679	1.997531	0.047355	0.954322
cg15090262	chr18	43262611		-0.198	-1.99993	0.047092	0.953416
cg01986630	chr16	53946263	CHD9	-0.34569	-1.99933	0.047158	0.953724
cg14843731	chr21	27942803	ADAMTS1;ADAMTS5	0.243669	2.00018	0.047065	0.953416
cg13877315	chr9	1.4E+08	GRIN1	-0.46685	-1.99833	0.047268	0.954205
cg04991728	chr6	29720954		0.226765	1.997595	0.047348	0.954322
cg22877212	chr3	4355346		-0.30093	-1.99698	0.047416	0.954674
cg23221090	chr10	64892741		0.225264	1.997722	0.047334	0.954322
cg21089453	chr9	1.03E+08		-0.24217	-1.99887	0.047208	0.953908
cg08122386	chr6	26195954		-0.46801	-2.00085	0.046993	0.953273
cg08530738	chr20	37072255		-0.20733	-1.99971	0.047117	0.953459
cg26014884	chr1	2.07E+08	SRGAP2	-0.27072	-1.99911	0.047183	0.953788
cg15070677	chr6	33288804		0.456466	1.999208	0.047172	0.953781
cg16348164	chr10	45811882		-0.32277	-2.00147	0.046925	0.953113
cg21604972	chr3	1.15E+08		-0.20765	-2.00024	0.047059	0.953416
cg05667401	chr16	31073266		0.380218	1.998844	0.047211	0.953908
cg15486123	chr1	1.53E+08		0.261911	1.998584	0.04724	0.954183
cg13400168	chr19	54481620		0.404331	1.997484	0.04736	0.954322
cg01034312	chr4	89510112		0.281137	1.997994	0.047304	0.954304
cg03190578	chr3	13517897	ENSG00000228242;ENSG00000251576;TMEM43;RAF1;C3orf83;FGD5P1;IQSEC1	0.315982	2.002534	0.046809	0.952919
cg22434409	chr4	21950722		-0.21743	-1.99772	0.047335	0.954322

cg26640473	chr4	2927882		0.299528	2.001082	0.046967	0.953188
cg07871324	chr8	1.29E+08		-0.11733	-1.99862	0.047236	0.954183
cg23080908	chr3	65580091	LRIG1	-0.28718	-1.99749	0.04736	0.954322
cg22692964	chr11	19262062		0.346661	1.999646	0.047124	0.953467
cg01141645	chr8	62627837		0.241991	1.997941	0.04731	0.954304
cg07016060	chr10	1.35E+08		0.286697	2.000079	0.047077	0.953416
cg11337018	chr1	24513944		-0.13442	-1.99898	0.047196	0.953799
cg16877924	chr2	73429354		0.226429	1.999138	0.047179	0.953788
cg00219792	chr12	83053315		-0.30829	-1.99757	0.047351	0.954322
cg00690148	chr2	1.2E+08		0.338181	1.998756	0.047221	0.953989
cg21199988	chr11	57480024		-0.14295	-2.0011	0.046966	0.953188
cg25952663	chr12	54450826		-0.25458	-1.99771	0.047336	0.954322
cg17835072	chr2	71189456	ATP6V1B1	-0.25799	-1.99998	0.047088	0.953416
cg21602614	chr12	1949586	CACNA1C;CACNA1C-IT3	-0.25561	-2.00011	0.047073	0.953416
cg14624145	chr17	37024169		0.397863	1.996878	0.047427	0.954674
cg26261873	chr3	72460688		-0.27364	-1.99777	0.047329	0.95432
cg13447033	chr7	69525741		0.247611	2.000752	0.047003	0.953328
cg09774198	chr13	33160713		0.223858	1.998531	0.047246	0.954183
cg27081602	chr6	4019159		0.228616	1.996592	0.047458	0.954674
cg26370158	chr1	2.36E+08		0.316102	1.996973	0.047416	0.954674
cg04371212	chr10	1.19E+08	ATRNL1;GFRA1;ENO4;HSPA12A	0.299555	1.999345	0.047157	0.953724
cg24004532	chr6	53517075		0.333405	1.999974	0.047088	0.953416
cg04211303	chr6	29975675	HLA-V	0.249973	1.999747	0.047113	0.953459

cg00220225	chr3	50194470	RASSF1	-0.27884	-1.99754	0.047355	0.954322
cg25374830	chr2	1.62E+08		-0.23115	-1.9983	0.04727	0.954205
cg19972858	chr3	5020996	EDEM1	-0.16287	-1.9968	0.047436	0.954674
cg15072871	chr13	1.14E+08	TMEM255B	-0.25348	-1.99821	0.047281	0.954247
cg03184194	chr6	10491939		0.300097	1.995559	0.047572	0.954674
cg21682118	chr6	1.28E+08		0.194813	1.99743	0.047366	0.954383
ch.2.4251330R	chr2	2.14E+08	SPAG16;ERBB4;ENSG00000196096	-0.26147	-2.00116	0.046959	0.953188
cg27065217	chr8	65499369		0.318221	1.997395	0.04737	0.954383
cg01290710	chr19	40889978	RPS16	0.227079	1.996821	0.047433	0.954674
cg21807865	chr1	25559068		0.196795	1.997637	0.047343	0.954322
cg02387326	chr12	54345679		0.22326	1.997852	0.04732	0.954304
cg24533257	chr5	1.39E+08		-0.14828	-1.99696	0.047417	0.954674
cg18166347	chr12	22777927		0.195509	1.998093	0.047294	0.954304
cg17478016	chr6	1.7E+08		-0.28095	-1.99587	0.047538	0.954674
cg23695211	chr22	45083122		-0.30928	-1.99679	0.047436	0.954674
cg07739927	chr17	62778162	RGS9;ERN1;CD79B	-0.32916	-1.99834	0.047267	0.954205
cg19764940	chr19	5141399		-0.28085	-1.99688	0.047427	0.954674
cg23894086	chr7	27128046		0.272534	1.997083	0.047404	0.954674
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cg15739437	chr5	1.1E+08		-0.268	-1.99596	0.047527	0.954674
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cg27138204	chr12	54446100		-0.31727	-1.99655	0.047463	0.954674
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cg01403885	chr19	45742140		0.41441	1.996671	0.047449	0.954674
cg18324542	chr15	41198903		-0.19833	-1.99659	0.047458	0.954674
cg17171801	chr17	15164106		0.156582	1.995654	0.047561	0.954674
cg11740138	chr3	1.82E+08	SOX2-OT;FXR1	-0.28538	-2.00062	0.047018	0.953416
cg06882058	chr1	2.44E+08		0.23462	1.99578	0.047547	0.954674
cg15864104	chr18	55254508		-0.30375	-1.99652	0.047466	0.954674
cg03877492	chr19	1567421		0.212954	1.99602	0.047521	0.954674
cg21617744	chr22	38035918		0.26439	1.995881	0.047536	0.954674
cg09695734	chr15	89978107		-0.2056	-1.99641	0.047478	0.954674
cg20775810	chr4	1.46E+08		-0.32445	-1.99612	0.047509	0.954674
cg15027115	chr10	1.19E+08		-0.20586	-1.99728	0.047382	0.954537
cg00530918	chr11	93466913		0.275808	1.996707	0.047445	0.954674
cg03754143	chr1	1981548	C1orf222;ENSG00000238164	-0.17146	-1.99659	0.047458	0.954674
cg27528748	chr12	34503176		0.231543	1.996926	0.047421	0.954674
cg02449202	chr6	46761071	GPR116	0.294112	1.998566	0.047242	0.954183
cg13321259	chr3	1.94E+08		-0.21637	-1.99797	0.047307	0.954304
cg21080452	chr6	29589960		0.169605	1.997797	0.047326	0.954304
cg18793109	chr11	576230		-0.14357	-1.9948	0.047656	0.954674
cg07861681	chr19	54603567		0.284133	1.996467	0.047472	0.954674
cg00574014	chr19	9879473	ENSG00000270614	-0.17804	-1.9968	0.047436	0.954674
cg12052812	chr1	2.31E+08		-0.16221	-1.99642	0.047477	0.954674
cg06520331	chr10	93171002	PPP1R3C;HECTD2	0.305545	1.999287	0.047163	0.953724
cg20426275	chr7	1.28E+08		-0.38421	-2.01924	0.045026	0.950195

cg25071869	chr8	21867345	ENSG00000251034	0.328939	1.995492	0.047579	0.954674
cg13545633	chr17	75524350		0.228833	1.995369	0.047593	0.954674
cg05295558	chr17	40761584		0.169271	1.99827	0.047274	0.954205
cg01342692	chr12	32832968		-0.32774	-1.99592	0.047532	0.954674
cg01109065	chr3	55508379		0.222688	1.997357	0.047374	0.954422
cg06920667	chr14	1.03E+08		-0.1279	-1.99833	0.047268	0.954205
cg03402605	chr10	1.34E+08	ADAM8	-0.2484	-1.99627	0.047493	0.954674
cg18676393	chr2	39005264		0.242713	1.996232	0.047498	0.954674
cg08642342	chr6	79288261	LCA5;ENSG00000272137;HMGN3-AS1	-0.38154	-1.99583	0.047542	0.954674
cg20014778	chr1	2.3E+08		-0.20942	-1.99621	0.0475	0.954674
cg26104384	chr7	1E+08	NYAP1	-0.18744	-1.99781	0.047325	0.954304
cg02002207	chr16	89913618	SPATA33;GAS8;ENSG00000260259;GALNS;SPIRE2;C16orf3;ANKRD11;URAHP;ENSG00000261574;CBFA2T3;ZNF778	0.349107	1.999498	0.04714	0.953567
cg15115563	chr12	1.24E+08		-0.11282	-1.99654	0.047464	0.954674
cg27520104	chr10	3172590		0.231013	1.996815	0.047434	0.954674
cg07583933	chr6	34486129	UHRF1BP1	-0.17772	-1.99643	0.047476	0.954674
cg02630168	chr2	1.51E+08		-0.20875	-1.99611	0.047511	0.954674
cg14763173	chr3	1.2E+08	NR1I2	0.29084	1.997667	0.04734	0.954322
cg07352425	chr1	15573655	ENSG00000224621	0.157603	1.995526	0.047575	0.954674

cg01985177	chr16	21289767		0.142838	1.994659	0.047671	0.954674
cg00027729	chr16	31285773	TGFB1I1;ZNF267;STX1B;PYCARD;DCTPP1	0.249143	1.999025	0.047192	0.953799
cg18016128	chr17	16396497	FAM211A-AS1	-0.17452	-1.99648	0.047471	0.954674
cg04095971	chr6	30028619		-0.28327	-1.99707	0.047406	0.954674
cg20963741	chr13	95359162		-0.37633	-1.99464	0.047672	0.954674
cg10230314	chr22	30552801	SMTN	-0.29265	-1.99787	0.047318	0.954304
cg19967582	chr12	1.24E+08		0.19807	1.996023	0.047521	0.954674
cg12169568	chr14	89708532	ENSG00000258699;TTC8;ENSG00000258752;SPATA7;EFCAB11;EML5;TDP1;ZC3H14	0.289651	1.997932	0.047311	0.954304
cg24686845	chr12	94698752	TMCC3	0.400501	1.997939	0.04731	0.954304
cg00409861	chr5	1.43E+08		-0.26861	-1.99576	0.04755	0.954674
cg25587069	chr5	1.51E+08		-0.38953	-1.99608	0.047515	0.954674
cg23248205	chr13	24475283		-0.20088	-1.99471	0.047665	0.954674
cg08332492	chr19	19174762		0.148273	1.995557	0.047572	0.954674
cg08627720	chr15	96959977		0.198347	1.997583	0.047349	0.954322
cg15886728	chr15	1.02E+08		0.15322	1.99552	0.047576	0.954674
cg22682162	chr6	97731065		-0.21982	-1.99585	0.04754	0.954674
cg11144269	chr12	1.18E+08		0.16727	1.995467	0.047582	0.954674
cg27550918	chr10	75410777	CAMK2G;VCL;SYNPO2L	0.257421	1.995978	0.047526	0.954674
cg25407543	chr8	21945413		-0.15243	-1.99634	0.047486	0.954674

cg22995064	chr6	37913121		-0.24181	-1.99785	0.047321	0.954304
cg11946336	chr22	37816333		-0.26264	-1.99563	0.047564	0.954674
cg15438211	chr17	79967022		-0.20948	-1.99616	0.047506	0.954674
cg14163049	chr7	1E+08	ZCWPW1	-0.31316	-1.99504	0.047629	0.954674
cg00913604	chr16	66958650		0.178671	1.994969	0.047637	0.954674
cg12980477	chr6	27156454		0.205298	1.998385	0.047262	0.954205
cg23240961	chr12	57634410	AGAP2	-0.2308	-1.99595	0.047529	0.954674
cg18410872	chr13	1.01E+08	TMTC4;GPR183	0.221762	1.993772	0.047769	0.954674
cg21005853	chr15	90319584		0.213689	1.995735	0.047552	0.954674
cg06951626	chr12	22095330		0.398134	1.994913	0.047643	0.954674
cg24346776	chr1	1.48E+08		0.355463	1.997082	0.047404	0.954674
cg26540630	chr10	1334238		-0.33375	-1.99572	0.047554	0.954674
cg13176012	chr2	1.57E+08		0.265591	1.9946	0.047677	0.954674
cg11139740	chr12	92814660		-0.30851	-1.99587	0.047538	0.954674
cg00571483	chr1	59046173		-0.31526	-1.9964	0.047479	0.954674
cg13909669	chr2	2.32E+08		0.241782	1.994502	0.047688	0.954674
cg11854259	chr7	1.55E+08		0.243858	1.993887	0.047756	0.954674
cg10178865	chr8	46951335		-0.27658	-1.99416	0.047725	0.954674
cg00791406	chr12	14118880		-0.29047	-1.99479	0.047656	0.954674
cg06339265	chr16	11369615		0.19974	1.994745	0.047661	0.954674
cg27313642	chr8	65291542		0.312396	1.994808	0.047654	0.954674
cg04493000	chr22	48895658		-0.34537	-1.99535	0.047594	0.954674
cg02078690	chr11	1.23E+08		0.21616	1.994049	0.047738	0.954674
cg17815820	chr15	86219783		0.333492	1.995287	0.047602	0.954674
cg01230355	chr5	54527190		0.303775	1.995417	0.047587	0.954674

cg20525527	chr17	17056629	TBC1D27;TRPV2	-0.29019	-1.99552	0.047576	0.954674
cg16615357	chr5	1.35E+08		0.468732	2.000421	0.047039	0.953416
cg16695389	chr11	72433396		0.197781	1.998149	0.047287	0.954304
cg00302983	chr13	24007545		0.240449	1.994332	0.047707	0.954674
cg00982641	chr5	1.7E+08		0.786443	1.994568	0.047681	0.954674
cg01935122	chr15	41234390		0.269829	1.994028	0.04774	0.954674
cg19371121	chr1	1.75E+08		-0.34773	-1.99486	0.047649	0.954674
cg15654897	chr19	14068178		-0.19975	-1.99759	0.047349	0.954322
cg11965370	chr11	1.32E+08		0.292238	1.997399	0.04737	0.954383
cg23916679	chr4	70346347		-0.32233	-1.99661	0.047456	0.954674
cg09872278	chr1	1.5E+08	PLEKHO1;ADAMTSL4;BNIPL;HIST2H4B;GOLPH3L;FAM63A	-0.3712	-1.99595	0.047529	0.954674
cg25765619	chr20	39318100		-0.16314	-1.99393	0.047751	0.954674
cg27437944	chr3	1.81E+08		0.180268	1.995919	0.047532	0.954674
cg18167329	chr1	23694501		-0.19206	-1.99374	0.047773	0.954674
cg11870100	chr11	34534542	ABTB2;EHF	-0.25967	-1.99573	0.047552	0.954674
cg25278343	chr12	53589908	ITGB7	0.176822	1.995391	0.04759	0.954674
cg25645064	chr3	1.47E+08		0.287413	1.992881	0.047867	0.954687
cg20295992	chr6	1.08E+08		0.261882	1.996755	0.04744	0.954674
cg02300279	chr9	1.21E+08		0.272083	1.994749	0.047661	0.954674
cg05499111	chr15	27902080		-1.24339	-1.99218	0.047945	0.954814
cg00924052	chr7	28319594		0.351141	1.994294	0.047711	0.954674
cg09292077	chr1	1.55E+08		-0.2261	-1.99445	0.047694	0.954674

cg08214688	chr19	42412439		0.211633	1.994387	0.047701	0.954674
cg14914739	chr3	1.41E+08		-0.21662	-1.99595	0.047529	0.954674
cg27622633	chr4	1.2E+08		-0.1593	-1.99516	0.047615	0.954674
cg09877215	chr7	748801		-0.26652	-1.99452	0.047686	0.954674
cg11754185	chr13	54707971		0.346395	1.993839	0.047761	0.954674
cg09925467	chr10	1.14E+08	VTI1A	-0.28009	-1.99433	0.047707	0.954674
cg11047796	chr4	27465988		-0.21793	-1.99548	0.047581	0.954674
cg13126575	chr6	32147501		-0.22068	-1.9947	0.047667	0.954674
cg02652760	chr6	27278678	ZNF204P	-0.20165	-1.99524	0.047607	0.954674
cg15900034	chr8	1.44E+08		-0.20731	-1.99394	0.04775	0.954674
cg05265607	chr10	98900817		0.333626	1.994795	0.047656	0.954674
cg23224120	chr12	93966060		0.255261	1.995151	0.047617	0.954674
cg14686113	chr4	54965829		-0.17743	-1.99441	0.047698	0.954674
cg04981508	chr2	86116071		-0.1224	-1.998	0.047304	0.954304
cg01379656	chr3	1.75E+08		-0.32604	-1.99406	0.047736	0.954674
cg07362569	chr17	61921086	FTSJ3	0.554666	1.994935	0.04764	0.954674
cg18404559	chr7	1.51E+08	NOS3;SEPT7P6;KMT2C;CDK5;RHEB	0.261289	1.994114	0.047731	0.954674
cg14977365	chr20	57392898		-0.24043	-1.99473	0.047663	0.954674
cg01723291	chr6	29855890	HLA-K;HCG4P7;HLA-H	-0.21078	-1.99606	0.047517	0.954674
cg21751023	chr7	1.27E+08		-0.20428	-1.99489	0.047645	0.954674
cg15718940	chr6	3115130	ENSG00000270504	0.267762	1.993276	0.047823	0.954674
cg16234172	chr5	1.42E+08		-0.15947	-1.99511	0.047621	0.954674
cg02602472	chr10	1.15E+08		-0.19198	-1.99414	0.047728	0.954674

cg11961495	chr10	80873797	ZMIZ1;TMEM254;ZCCHC24	-0.30666	-1.99437	0.047703	0.954674
cg14581803	chr21	47576844	SPATC1L	-0.29515	-1.994	0.047744	0.954674
cg24379122	chr1	43290402	TIE1;TMEM125;PPCS;EBNA1BP2;C1orf210	0.291405	1.993996	0.047744	0.954674
cg07092029	chr16	83682278		0.259123	1.995311	0.047599	0.954674
cg03817483	chr16	74406059		0.225121	1.994412	0.047698	0.954674
cg24132325	chr5	1.56E+08		-0.3541	-1.994	0.047743	0.954674
cg19196401	chr6	1.11E+08		0.539583	1.993663	0.047781	0.954674
cg06996147	chr13	1.12E+08		0.337905	1.992388	0.047922	0.954803
cg22616430	chr6	31759728		-0.17822	-1.99442	0.047698	0.954674
cg06865363	chr12	1.31E+08		-0.31862	-1.99388	0.047757	0.954674
cg24825693	chr3	1.57E+08		-0.39662	-1.9941	0.047733	0.954674
cg24838825	chr10	1.12E+08	XPNPEP1;DUSP5	-0.34148	-1.99416	0.047726	0.954674
cg06983112	chr16	30939116		0.355788	1.993322	0.047818	0.954674
cg09869226	chr11	70253427		0.224276	1.995461	0.047582	0.954674
cg23472400	chr7	99704848		-0.38271	-1.99431	0.047709	0.954674
cg06327732	chr3	1.22E+08		-0.31421	-1.99391	0.047754	0.954674
cg15618797	chr5	1.4E+08		0.219802	1.993814	0.047764	0.954674
cg04228042	chr12	14996527		0.287134	1.993275	0.047824	0.954674
cg11766498	chr21	40817540		0.268668	1.992599	0.047898	0.954774
cg25956097	chr10	44163499	CXCL12	0.249551	1.994539	0.047684	0.954674
cg11762018	chr19	16394574	TMEM38A;RASAL3;CYP4F3	0.374167	1.993764	0.047769	0.954674
cg03471893	chr4	1.13E+08		0.227785	1.994747	0.047661	0.954674

cg20672044	chr16	72096498	ZFHX3;IST1;ENSG00000259798	-0.19899	-1.99443	0.047696	0.954674
cg01835368	chr7	39612363		-0.28928	-1.9942	0.047722	0.954674
cg00322666	chr3	87994995		-0.22086	-1.99384	0.047761	0.954674
cg03269171	chr10	1.05E+08		0.182107	1.994015	0.047742	0.954674
cg15612927	chr12	1058210		0.356625	1.993565	0.047791	0.954674
cg21512075	chr14	74318575		-0.11318	-1.99438	0.047702	0.954674
cg27049070	chr8	22426239		0.208582	1.993048	0.047849	0.954674
cg18953039	chr10	1031432		-0.22959	-1.99338	0.047812	0.954674
cg09679979	chr17	27276256		-0.14751	-1.99466	0.047671	0.954674
cg07288693	chr22	41348222		-0.25892	-1.99545	0.047584	0.954674
cg16551520	chr13	1.13E+08		0.363153	1.992614	0.047897	0.954774
cg21126692	chr6	14743444		-0.25351	-1.99264	0.047893	0.954774
cg06857263	chr19	47260556		0.256143	1.993427	0.047807	0.954674
cg11192055	chr3	44090802		-0.27704	-1.99392	0.047753	0.954674
cg03877829	chr5	1.11E+08	TSLP	-0.24647	-1.99401	0.047742	0.954674
cg26659805	chr19	2251588		0.504133	1.99401	0.047742	0.954674
cg01938650	chr4	30723290		0.298766	1.991607	0.048008	0.955084
cg15659347	chr12	1485599		-0.23407	-1.99334	0.047816	0.954674
cg14431476	chr3	1.14E+08		0.2765	1.993395	0.04781	0.954674
cg09590228	chr22	31608055		0.136908	1.992747	0.047882	0.954749
cg05885668	chr19	5800634	PTPRS	-0.18462	-1.99315	0.047838	0.954674
cg09896315	chr11	94172892		0.258915	1.993598	0.047788	0.954674
cg12303232	chr11	64785494		-0.22173	-1.99328	0.047823	0.954674
cg26418099	chr10	1.35E+08	ECHS1	0.253448	1.993553	0.047793	0.954674

cg00180447	chr3	1.26E+08		0.274348	1.994397	0.0477	0.954674
cg10929024	chr22	38713608		-0.22694	-1.99388	0.047757	0.954674
cg02688422	chr5	1409937		-0.30983	-1.9917	0.047998	0.955038
cg01081836	chr1	1.5E+08		0.184747	1.993404	0.047809	0.954674
cg00678286	chr7	1.56E+08	RBM33	0.201618	1.994078	0.047735	0.954674
cg25687179	chr19	39440924		0.327828	1.991819	0.047985	0.954936
cg10600889	chr17	37123767		0.390933	1.992606	0.047898	0.954774
cg18627459	chr12	1.18E+08		-0.19646	-1.99625	0.047496	0.954674
cg11269895	chr13	1.13E+08		0.253861	1.993644	0.047783	0.954674
cg13813813	chr20	35234619		-0.1817	-1.99442	0.047697	0.954674
cg06496484	chr2	1.77E+08		0.337983	1.993393	0.04781	0.954674
cg07035173	chr12	54368332		0.258449	1.995036	0.047629	0.954674
cg21619287	chr16	3767727		-0.13561	-1.99432	0.047708	0.954674
cg10892497	chr8	1.34E+08		0.198166	1.992816	0.047874	0.954687
cg24084459	chr4	2928179		0.25922	1.992524	0.047907	0.954774
cg13738075	chr13	1.15E+08	GAS6;F10;TMEM255B;GAS6-AS1;GAS6-AS2;TFDP1;TMCO3	0.296748	1.994583	0.047679	0.954674
cg22948335	chr2	70475902		-0.12161	-1.99283	0.047872	0.954687
cg17732372	chr15	33604133		0.231822	1.993863	0.047759	0.954674
cg21467717	chr18	77623409		0.445766	1.992529	0.047906	0.954774
cg14067873	chr12	81110706		0.335398	1.992854	0.04787	0.954687
cg05297666	chr11	1.28E+08	FLI1	-0.27231	-1.9954	0.04759	0.954674
ch.9.137242878F	chr9	1.38E+08		-0.2217	-1.993	0.047854	0.954674

cg12422351	chr1	95201226	MTND4P11	0.297622	1.992225	0.04794	0.954803
cg26860273	chr19	56687197		0.19769	1.993103	0.047843	0.954674
cg13912060	chr14	68141881		0.223359	1.992783	0.047878	0.954715
cg07299462	chr1	43855490		-0.17331	-1.99395	0.047749	0.954674
cg21882808	chr5	1.73E+08		-0.19124	-1.99302	0.047852	0.954674
cg22995114	chr2	8822738		0.224211	1.993211	0.047831	0.954674
cg04281344	chr16	5530509		-0.34554	-1.99373	0.047774	0.954674
cg01000280	chr22	30472636		-0.32807	-1.99329	0.047821	0.954674
cg26063904	chr1	1.01E+08	VCAM1	0.342004	1.991788	0.047988	0.954936
cg03168749	chr11	1.24E+08		0.260557	1.992077	0.047956	0.954892
cg18646521	chr2	1.12E+08		-0.23858	-1.99382	0.047763	0.954674
cg00878533	chr1	2848864		-0.13984	-1.99294	0.04786	0.954674
cg03553547	chr6	89791780		-0.15133	-1.99222	0.04794	0.954803
cg20207310	chr1	2.45E+08		-0.15596	-1.99348	0.047801	0.954674
cg18423737	chr18	46500072	ZBTB7C;ACAA2;CTIF;DYM	-0.3483	-1.9963	0.04749	0.954674
cg14395761	chr17	81018559	C17orf62;CD7	-0.32418	-1.993	0.047854	0.954674
cg22188815	chr18	67137030	CCDC102B	-0.41164	-1.99302	0.047852	0.954674
cg15675123	chr5	12623177		-0.31467	-1.9926	0.047898	0.954774
cg26622502	chr11	65769931		-0.21899	-1.99323	0.047828	0.954674
cg22981738	chr19	56136128	ZNF628;ENSG00000267298	-0.22608	-1.99069	0.04811	0.955571
cg20402658	chr8	1.03E+08		-0.18361	-1.9953	0.0476	0.954674
cg23404528	chr2	2.38E+08		-0.14582	-1.99541	0.047588	0.954674
cg20816889	chr11	1.12E+08		-0.21676	-1.99316	0.047836	0.954674
cg05676541	chr3	89156676		0.217902	1.992567	0.047902	0.954774

cg24242082	chr20	61448325		-0.15672	-1.99304	0.04785	0.954674
cg10785263	chr1	63785867		0.272453	1.994411	0.047698	0.954674
cg26870961	chr2	2.32E+08		0.250935	1.990906	0.048086	0.955571
cg23003881	chr5	1.73E+08		-0.26639	-1.9943	0.04771	0.954674
cg23387401	chr17	4582204	ALOX15;ITGAE;NUP88	-0.4129	-1.99231	0.04793	0.954803
cg07912789	chr12	3600273		0.312326	1.992296	0.047932	0.954803
cg27076113	chr6	98973854		0.256559	1.992128	0.04795	0.954823
cg08170427	chr8	1.44E+08		-0.27924	-1.99127	0.048046	0.955571
cg03883295	chr2	1.2E+08		0.193014	1.994479	0.047691	0.954674
cg12018888	chr6	1.07E+08		-0.28064	-1.9919	0.047976	0.954936
cg00036137	chr19	56688439		-0.28576	-1.99215	0.047947	0.954814
cg17499241	chr1	1.56E+08		-0.16	-1.99201	0.047964	0.954936
cg20365336	chr6	16986186		-0.20886	-1.99533	0.047597	0.954674
cg08251815	chr2	85106968		0.212418	1.991775	0.04799	0.954936
cg13805297	chr9	90224272		-0.21596	-1.99229	0.047933	0.954803
cg08461451	chr19	2295092	MUM1;ADAMTSL5;S1PR4	0.308135	1.992329	0.047928	0.954803
cg19244428	chr6	3229233		-0.21138	-1.99185	0.047981	0.954936
cg05836256	chr16	1006052		0.389657	1.991109	0.048063	0.955571
cg03736057	chr4	1.88E+08		-0.27359	-1.99375	0.047771	0.954674
cg11850659	chr6	1.64E+08		-0.29681	-1.99239	0.047921	0.954803
cg09004287	chr6	10426387		0.336189	1.991789	0.047988	0.954936
cg26719995	chr2	27309153		-0.18899	-1.9938	0.047766	0.954674
cg14362312	chr9	1.36E+08		-0.14611	-1.99167	0.048001	0.955038
cg00246366	chr16	4321381	HMOX2	-0.16948	-1.99093	0.048083	0.955571

cg22326681	chr22	38529083		-0.21621	-1.99251	0.047908	0.954774
cg17382918	chr20	57042544		0.258572	1.994485	0.04769	0.954674
cg04943241	chr4	5898879		-0.18721	-1.99252	0.047907	0.954774
cg02803139	chr10	1.06E+08		0.220903	1.992958	0.047859	0.954674
cg12993163	chr3	1.58E+08		0.251704	1.992494	0.04791	0.954774
cg08608952	chr1	22383198		0.334449	1.990158	0.048169	0.955571
cg13321166	chr11	59824038		0.320925	1.991829	0.047984	0.954936
cg05661042	chr12	1.1E+08		0.24609	1.99225	0.047937	0.954803
cg01917202	chr6	1.08E+08		0.177181	1.99	0.048187	0.955571
cg06563086	chr17	44919303	NPEPPS	0.250686	1.991208	0.048052	0.955571
cg22829394	chr12	1.23E+08		0.215667	1.989964	0.048191	0.955571
cg07012770	chr18	2847301		0.151526	1.990589	0.048121	0.955571
cg16248201	chr4	84377059		-0.13863	-1.9907	0.048109	0.955571
cg03772408	chr16	19083353		-0.26086	-1.99325	0.047827	0.954674
cg16793249	chr6	32135070	TAP1	0.374754	1.990005	0.048186	0.955571
cg20616532	chr19	10429400		0.168046	1.993346	0.047816	0.954674
cg13582457	chr5	1.72E+08		0.491479	1.992263	0.047935	0.954803
cg25123521	chr5	1.5E+08		0.175673	1.990943	0.048082	0.955571
cg00955497	chr15	89148699		-0.2684	-1.99336	0.047814	0.954674
cg03958663	chr6	41262467		-0.204	-1.99097	0.048079	0.955571
cg15703632	chr2	2.23E+08		0.213214	1.991843	0.047982	0.954936
cg23488816	chr14	1.02E+08		0.218528	1.992236	0.047938	0.954803
cg07651189	chr4	88753434		-0.30531	-1.99	0.048187	0.955571
cg10210690	chr1	55138059	TMEM61	-0.24819	-1.99017	0.048168	0.955571
cg09144226	chr5	1.57E+08		0.253574	1.992005	0.047964	0.954936

cg01587630	chr7	23053820		-0.29337	-1.99147	0.048023	0.955291
cg07817739	chr6	397469	IRF4	-0.28316	-1.99009	0.048177	0.955571
cg17058616	chr17	73102145	DNAI2;KIF19;SMIM5;WBP2;HN1;HID1;ENSG00000265800	0.238199	1.991883	0.047978	0.954936
cg03001995	chr1	1.14E+08		-0.20801	-1.99016	0.048169	0.955571
cg06808498	chr14	60974525	SIX1;SIX4;MNAT1;PCNXL4;PRKCH;C14orf39;SLC38A6;TMEM30B;CDC175;ENSG00000258445	0.440522	1.993944	0.04775	0.954674
cg13808145	chr11	1.15E+08		0.40197	1.990711	0.048108	0.955571
cg04814467	chr4	1855934		-0.14157	-1.99088	0.048089	0.955571
cg05265985	chr11	20412000		0.290823	1.992563	0.047902	0.954774
cg13459852	chr2	74571248	HK2	-0.2342	-1.99215	0.047948	0.954814
cg01004063	chr14	88606476	PTPN21;FOXN3	-0.26114	-1.99119	0.048055	0.955571
cg00646381	chr17	77835854		0.230154	1.989697	0.04822	0.955571
cg13444528	chr4	1.85E+08		0.130525	1.992823	0.047874	0.954687
cg02231813	chr6	1.1E+08		0.299622	1.993282	0.047823	0.954674
cg00396484	chr11	1.26E+08		0.340006	1.990167	0.048168	0.955571
cg08710841	chr6	30421107		0.255759	1.991045	0.048071	0.955571
cg16571983	chr13	78492922	MYCBP2	0.339609	1.990519	0.048129	0.955571
cg11650037	chr5	1.72E+08		-0.24205	-1.99055	0.048126	0.955571
cg11516038	chr1	16985148		-0.35101	-1.99033	0.048149	0.955571

cg22549870	chr15	89949776		0.249668	1.989698	0.04822	0.955571
cg06861736	chr22	20918809	ENSG00000187905	-0.22716	-1.98919	0.048277	0.955571
cg17881037	chr7	1.53E+08		-0.20685	-1.9906	0.04812	0.955571
cg08656504	chr4	1.04E+08		-0.20333	-1.99056	0.048125	0.955571
cg26561413	chr17	5488048	C1QBP	-0.3222	-1.9932	0.047832	0.954674
cg22300819	chr8	54755854		-0.16264	-1.99054	0.048126	0.955571
cg14336665	chr8	1789463		0.216882	1.993636	0.047784	0.954674
cg14227460	chr19	4518743		0.20601	1.99396	0.047748	0.954674
cg00388987	chr16	72698624		-0.20745	-1.98984	0.048205	0.955571
cg26074618	chr6	76059496		0.214099	1.993948	0.047749	0.954674
cg04475687	chr11	1.15E+08		0.24505	1.992964	0.047858	0.954674
cg12452813	chr2	68675892		0.374268	1.991947	0.04797	0.954936
cg11102324	chr15	49658865		-0.27841	-1.99043	0.048139	0.955571
cg09317554	chr4	1.52E+08	DCLK2	0.406845	1.991648	0.048004	0.955039
cg02764271	chr17	42264425		-0.18869	-1.99035	0.048148	0.955571
cg09284627	chr8	47120476		0.226689	1.99072	0.048107	0.955571
cg22303758	chr8	27373148		-0.27254	-1.99	0.048187	0.955571
cg19478478	chr6	1.24E+08		-0.33181	-1.99093	0.048083	0.955571
cg04045484	chr4	1.28E+08		-0.26192	-1.99018	0.048167	0.955571
cg21121336	chr12	12849068		0.296395	1.991975	0.047967	0.954936
cg18892790	chr22	25819979		-0.21287	-1.9906	0.04812	0.955571
cg27371091	chr19	58145084		0.384017	1.990487	0.048133	0.955571
cg00582881	chr5	1.49E+08		0.176462	1.990813	0.048096	0.955571
cg23651826	chr11	1.16E+08		0.229938	1.990191	0.048165	0.955571

cg27035480	chr16	3907755	PKMYT1;C16orf71;CLDN9;CLUAP1;ENSG00000272079	0.296755	1.98976	0.048213	0.955571
cg16145834	chr6	33282321		-0.13001	-1.99098	0.048078	0.955571
cg01000637	chr2	74714095		0.225511	1.988917	0.048307	0.955571
cg22352122	chr11	453757		-0.19499	-1.98902	0.048296	0.955571
cg07132517	chr11	842517		-0.1376	-1.9902	0.048164	0.955571
cg01596986	chr13	48611463		0.234413	1.991124	0.048062	0.955571
cg01899911	chr7	1039070	ZFAND2A	0.193092	1.99105	0.04807	0.955571
cg25756406	chr10	1.35E+08	ECHS1	0.245672	1.989551	0.048237	0.955571
cg23598068	chr7	97953106	BAIAP2L1;LMTK2	0.279347	1.989404	0.048253	0.955571
cg27006947	chr7	63924280		0.570833	1.990166	0.048168	0.955571
cg05529157	chr3	1.11E+08		0.13224	1.990394	0.048143	0.955571
cg00448889	chr15	60714492		-0.23401	-1.99092	0.048084	0.955571
cg13506354	chr2	2.17E+08		0.246872	1.989233	0.048272	0.955571
cg19836345	chr3	49466585		0.129453	1.991794	0.047987	0.954936
cg07630787	chr16	926743		-0.22527	-1.98899	0.048299	0.955571
cg08447327	chr3	1.98E+08		0.134106	1.989118	0.048285	0.955571
cg01593358	chr7	1154959		-0.32125	-1.99077	0.048101	0.955571
cg16809304	chr8	1.44E+08		-0.27498	-1.98963	0.048228	0.955571
cg17397069	chr5	1.56E+08		-0.24815	-1.9896	0.048231	0.955571
cg05678100	chr4	1.73E+08		0.322454	1.989534	0.048239	0.955571
cg01682157	chr6	1516643		0.329565	1.988389	0.048366	0.955571
cg17332708	chr4	1231840		0.258977	1.988703	0.048331	0.955571
cg03791325	chr19	1275438		0.10445	1.99042	0.04814	0.955571

cg11405852	chr12	52996663	KRT80;KRT7	-0.20687	-1.99131	0.048041	0.955571
cg15720995	chr12	29936972		-0.16526	-1.99341	0.047809	0.954674
cg04569804	chr5	1.49E+08		-0.20715	-1.99372	0.047774	0.954674
cg01565160	chr20	61512901		0.270961	1.989311	0.048263	0.955571
cg13522776	chr9	71785587	APBA1	0.255424	1.989047	0.048293	0.955571
cg14559801	chr9	1.4E+08	SNHG7	0.153919	1.992284	0.047933	0.954803
cg09180239	chr16	85666676		-0.1747	-1.99123	0.04805	0.955571
cg16600991	chr12	54389477		0.203696	1.988854	0.048314	0.955571
cg19036490	chr7	4804175		0.298499	1.989751	0.048214	0.955571
cg14730223	chr19	18232604		-0.26484	-1.98783	0.048429	0.955866
cg08977266	chr5	1.32E+08		0.178827	1.989438	0.048249	0.955571
cg19280586	chr15	68125197		0.330902	1.990629	0.048117	0.955571
cg17541965	chr7	1.49E+08		-0.14781	-1.99021	0.048163	0.955571
cg14145524	chr9	1.32E+08	LINC00963	-0.16293	-1.99167	0.048001	0.955038
cg05378118	chr10	50886999		0.336167	1.993359	0.047814	0.954674
cg01653110	chr1	1.72E+08		-0.33252	-1.98901	0.048296	0.955571
cg17149431	chr1	45987130		0.227562	1.990244	0.048159	0.955571
cg08533710	chr19	47292253		0.244564	1.989149	0.048281	0.955571
cg21637561	chr17	37074902	PIP4K2B;ENSG00000260833	0.40295	1.989073	0.04829	0.955571
cg18826267	chr19	5978573		-0.14464	-1.99153	0.048017	0.955209
cg15151749	chr11	17520223		-0.19281	-1.98944	0.048249	0.955571
cg14650167	chr4	1.63E+08		0.25322	1.989384	0.048255	0.955571
cg14567917	chr10	77542314		0.317636	1.989496	0.048243	0.955571
cg16445399	chr10	79686822		-0.16918	-1.98939	0.048255	0.955571

cg21233003	chr9	1.4E+08	SLC34A3;RNF224;PTGDS;ENSG00000264527;C9orf173;INPP5E;C9orf169	0.556005	1.988567	0.048346	0.955571
cg14142836	chr19	18967276		0.287612	1.988562	0.048347	0.955571
cg00831560	chr19	41290997		-0.15463	-1.98883	0.048317	0.955571
cg20064139	chr20	41823021		-0.2258	-1.99095	0.048081	0.955571
cg19895197	chr17	37887061	PCGF2	-0.2239	-1.9923	0.047932	0.954803
cg06227763	chr18	10447084		-0.24491	-1.98826	0.048381	0.955593
cg07841014	chr2	79314745		-0.25374	-1.98822	0.048385	0.955593
cg00627998	chr13	1.13E+08		0.187457	1.989953	0.048192	0.955571
cg13151006	chr15	72075835	BBS4	-0.33324	-1.99359	0.047788	0.954674
cg24687805	chr15	55513621	PRTG;NEDD4	0.352869	1.989663	0.048224	0.955571
cg13455410	chr9	79631906		-0.18631	-1.98891	0.048308	0.955571
cg05358715	chr16	89724297	TRAPPC2L	-0.23151	-1.98794	0.048416	0.955866
cg10135708	chr3	48601117		0.230742	1.988904	0.048309	0.955571
cg13334304	chr3	23631338		-0.23554	-1.99112	0.048062	0.955571
cg06894334	chr4	1398599		0.275939	1.988487	0.048355	0.955571
cg09607276	chr11	637491	LRRC56;C11orf35	0.370875	1.988586	0.048344	0.955571
cg04379522	chr19	54290737		-0.30845	-1.98752	0.048464	0.955977
cg13573980	chr1	2.24E+08		-0.28686	-1.98812	0.048396	0.955687
cg15349139	chr11	1293211		0.248336	1.988895	0.04831	0.955571
cg03729553	chr16	830766		-0.24138	-1.98868	0.048334	0.955571
cg18059891	chr19	36499721	FXYD3;CD22;SCN1B;CLIP3	-0.31857	-1.98844	0.04836	0.955571

cg01878761	chr11	1.18E+08	DSCAML1;TMPRSS4;SCN4B	-0.24473	-1.98743	0.048474	0.955977
ch.4.109582151R	chr4	1.09E+08		-0.24457	-1.99011	0.048174	0.955571
cg25319276	chr13	31040123		-0.22431	-1.9892	0.048275	0.955571
cg14922545	chr12	49225348		0.178682	1.989291	0.048266	0.955571
cg17461234	chr12	1.33E+08		-0.17866	-1.9909	0.048086	0.955571
cg20891501	chr14	36979758		0.300538	1.989167	0.048279	0.955571
cg04518066	chr6	1.7E+08		-0.20968	-1.98776	0.048436	0.955866
cg01074001	chr16	16047381	NOMO3	-0.23207	-1.98835	0.04837	0.955571
cg20325921	chr8	1.42E+08	PTP4A3;ENSG00000261655;ENSG00000271959	0.621093	1.98861	0.048341	0.955571
cg23809917	chr2	10953293		0.207293	1.989382	0.048255	0.955571
cg00324108	chr4	72635822		-0.24347	-1.98872	0.048329	0.955571
cg14180916	chr1	43390395		-0.13213	-1.98921	0.048275	0.955571
cg01915609	chr6	1.47E+08	RAB32;SAMD5;ADGB;FBXO30	0.22596	1.990255	0.048158	0.955571
cg14689150	chr8	1.41E+08		-0.22762	-1.98982	0.048207	0.955571
cg05783135	chr11	78092939		0.307596	1.988582	0.048345	0.955571
cg20559633	chr8	1.43E+08	ENSG00000261655;PTP4A3	0.316673	1.9879	0.048421	0.955866
cg13727089	chr9	1E+08		0.262133	1.986852	0.048538	0.956144
cg10131972	chr22	19879787	CLDN5;UFD1L;SCARF2;ARVCF	-0.3506	-1.98782	0.048429	0.955866
cg00059246	chr12	54337929		0.262249	1.988356	0.04837	0.955571
cg11052143	chr2	2.02E+08		0.312288	1.990541	0.048127	0.955571

cg09596027	chr19	54134711		-0.2598	-1.98949	0.048244	0.955571
cg08105844	chr3	48659240		-0.18288	-1.98786	0.048425	0.955866
cg07075118	chr1	32053005		-0.17204	-1.98761	0.048453	0.955961
cg20168849	chr3	1.89E+08		0.310479	1.988418	0.048363	0.955571
cg23413685	chr22	36925565		-0.15771	-1.98892	0.048307	0.955571
cg10699049	chr17	25957771		-0.17007	-1.98979	0.04821	0.955571
cg09081994	chr3	1.19E+08		0.242137	1.988465	0.048358	0.955571
cg16887183	chr15	80658049		-0.28122	-1.98796	0.048414	0.955866
cg04432617	chr1	1.55E+08		0.188581	1.988308	0.048375	0.955593
cg23886216	chr14	92673517	RIN3	-0.15941	-1.98884	0.048316	0.955571
cg00660765	chr3	69371349		-0.17623	-1.99305	0.047848	0.954674
cg02291619	chr5	1.42E+08		-0.20574	-1.98774	0.048439	0.955866
cg09808176	chr11	1.08E+08		0.196058	1.987829	0.048429	0.955866
cg25953713	chr10	5855675		-0.16166	-1.98762	0.048452	0.955961
cg05713912	chr17	15608091		-0.33969	-1.9909	0.048087	0.955571
cg07834682	chr2	45232641	SIX2	0.330791	1.987044	0.048516	0.955977
cg14240098	chr7	50518052		-0.10496	-1.98902	0.048296	0.955571
cg01678714	chr5	1.8E+08		-0.14736	-1.99007	0.048179	0.955571
cg06155697	chr11	8120396		0.163446	1.988661	0.048336	0.955571
cg18107105	chr3	1.25E+08		0.24063	1.988239	0.048383	0.955593
cg00531750	chr3	66551802		-0.24683	-1.98747	0.048469	0.955977
cg07766948	chr10	1.04E+08		0.282402	1.987455	0.04847	0.955977
cg01017241	chr14	1.07E+08		0.263272	1.987627	0.048451	0.955961
cg27563048	chr3	52008788		0.257209	1.98873	0.048328	0.955571
cg22325703	chr11	94134235		0.2618	1.987516	0.048464	0.955977

cg03454863	chr20	42604284		0.232815	1.988202	0.048387	0.955593
cg19945092	chr10	27149349		0.113642	1.987127	0.048507	0.955977
cg01511884	chr1	1.56E+08		0.199635	1.987127	0.048507	0.955977
cg26246127	chr5	87437400		-0.21934	-1.98896	0.048303	0.955571
cg15591616	chr1	8024678		0.26147	1.986596	0.048567	0.956226
cg21537230	chr21	36043248		0.167005	1.990316	0.048152	0.955571
cg09705243	chr16	30786672	ITGAL	0.388034	1.987754	0.048437	0.955866
cg16033921	chr3	1.23E+08		-0.29493	-1.98915	0.048281	0.955571
cg18556676	chr12	22095111		0.367371	1.986765	0.048548	0.956226
cg12453228	chr6	41338345	OARD1	-0.21001	-1.9884	0.048365	0.955571
cg10625578	chr3	49893964		0.163279	1.987289	0.048489	0.955977
cg12647970	chr6	3234297		0.242253	1.988161	0.048392	0.955639
cg15696407	chr1	16727735	RNU1-1	-0.17672	-1.98865	0.048336	0.955571
cg12987799	chr2	1.07E+08		0.188445	1.986829	0.04854	0.956149
cg26178217	chr2	2.34E+08		-0.18506	-1.98823	0.048384	0.955593
cg04169830	chr2	88471460		-0.21103	-1.9871	0.04851	0.955977
cg09785846	chr13	96454018		-0.28631	-1.98869	0.048332	0.955571
cg16689942	chr13	29394960		0.233352	1.988355	0.04837	0.955571
cg08307816	chr14	1.01E+08		0.245984	1.988714	0.04833	0.955571
cg09079882	chr16	10837135		0.613096	1.986353	0.048594	0.956226
cg12283460	chr15	59279556		-0.34511	-1.98671	0.048554	0.956226
ch.2.329834 9F	chr2	1.62E+08		-0.36842	-1.98853	0.048351	0.955571
cg08292467	chr5	1.41E+08		0.24293	1.987146	0.048505	0.955977
cg05785805	chr1	2.25E+08		-0.31913	-1.98805	0.048404	0.955803
cg10001219	chr11	1.12E+08		0.466335	1.986109	0.048621	0.956226

cg03154226	chr11	55563401		-0.35943	-1.98724	0.048494	0.955977
cg23850899	chr11	40315337		0.195353	1.989467	0.048246	0.955571
cg03279633	chr4	1.47E+08		0.338932	1.989325	0.048262	0.955571
cg26887084	chr16	30615018		-0.16128	-1.98837	0.048368	0.955571
cg10256336	chr19	16999953	JAK3;MYO9B;USHBP1;FCHO1;NR2F6;PLVAP;NWD1;COLGALT1	0.237744	1.989632	0.048228	0.955571
cg23427406	chr2	1.08E+08		-0.3153	-1.98589	0.048645	0.956226
cg01093065	chr19	49372101	CARD8	-0.15595	-1.98838	0.048367	0.955571
cg08261716	chr14	1E+08		0.206763	1.987224	0.048496	0.955977
cg00420361	chr16	67449937		0.188918	1.98887	0.048312	0.955571
cg25526039	chr6	1.08E+08		0.367553	1.986264	0.048604	0.956226
cg02240013	chr3	48680392		0.237566	1.985089	0.048736	0.956226
cg09848659	chr4	1.58E+08		0.233373	1.986584	0.048568	0.956226
cg08347852	chr6	32862454		-0.13313	-1.98724	0.048495	0.955977
cg06146607	chr11	71167505		-0.17858	-1.98705	0.048516	0.955977
cg26135134	chr15	99500715		-0.21015	-1.98795	0.048415	0.955866
cg00168942	chr10	35894430		-0.2465	-1.98591	0.048643	0.956226
cg19325985	chr2	1.77E+08		0.201722	1.985474	0.048692	0.956226
cg09405227	chr3	42865232	TRAK1;ZBTB47;FAM198A;ANO10	-0.49092	-1.987	0.048522	0.955977
cg05140069	chr1	13910667		-0.1803	-1.98747	0.048468	0.955977
cg18787012	chr11	15230314		0.212155	1.98952	0.04824	0.955571
cg13947830	chr1	1551964		0.196849	1.988615	0.048341	0.955571

cg25139110	chr13	1.14E+08		0.220625	1.987225	0.048496	0.955977
cg01168535	chr7	1E+08		-0.21116	-1.98734	0.048483	0.955977
cg13919174	chr9	1.13E+08		0.271645	1.98993	0.048194	0.955571
cg14793596	chr1	1290092	NADK;ISG15;SDF4;GLTPD1	-0.25686	-1.98932	0.048263	0.955571
cg02969688	chr6	1.5E+08		-0.28979	-1.98878	0.048322	0.955571
cg09602803	chr10	1.32E+08		0.453488	1.988526	0.048351	0.955571
cg26623550	chr1	1.12E+08		-0.21765	-1.98768	0.048445	0.955952
cg13974487	chr11	1.33E+08		-0.2349	-1.9889	0.048309	0.955571
cg07502066	chr1	1.1E+08		-0.14291	-1.98607	0.048625	0.956226
cg23309512	chr14	55920683	LGALS3	-0.28538	-1.98751	0.048464	0.955977
cg25499746	chr6	16346054	GMPR;STMND1;RBM24	-0.35586	-1.98779	0.048433	0.955866
cg10389914	chr2	2.34E+08	INPP5D	0.270902	1.985238	0.048719	0.956226
cg17215831	chr13	37004853		0.282707	1.985938	0.04864	0.956226
cg17554182	chr11	75896332	MYO7A	-0.25558	-1.98649	0.048578	0.956226
cg16529563	chr19	49560284		-0.22252	-1.98537	0.048704	0.956226
cg18632527	chr7	6120830		-0.23956	-1.98634	0.048595	0.956226
cg02238760	chr1	32236337		-0.21549	-1.98724	0.048494	0.955977
cg22891539	chr10	1.34E+08		-0.20921	-1.9858	0.048656	0.956226
cg27148452	chr19	44562567		-0.25511	-1.9846	0.04879	0.956226
cg16591502	chr13	76210838		0.188828	1.986261	0.048604	0.956226
cg00859544	chr13	20735242		-0.18603	-1.9863	0.0486	0.956226
cg07025505	chr4	1.86E+08	CASP3;PDLIM3;IRF2	-0.29363	-1.98478	0.04877	0.956226
cg09025393	chr1	18438784		-0.31763	-1.98594	0.04864	0.956226

cg10822593	chr5	65440099		0.129507	1.985813	0.048654	0.956226
cg03336984	chr4	1022647		0.145926	1.990651	0.048114	0.955571
cg15842276	chr11	92702648		0.203919	1.985271	0.048715	0.956226
cg11898688	chr4	1.07E+08		-0.31604	-1.98689	0.048534	0.956104
cg21660623	chr11	67373625	UNC93B1;PITPNM1;FAM86C2P;ALDH3B1;AIP;ALDH3B2;GSTP1;RAD9A;ENSG00000255306;KDM2A;CDK2AP2	-0.21343	-1.99071	0.048107	0.955571
cg02819231	chr3	33318859		-0.14636	-1.98651	0.048576	0.956226
cg01775468	chr22	49141360		-0.22506	-1.98614	0.048618	0.956226
cg24883601	chr2	2.4E+08		0.237266	1.987075	0.048513	0.955977
cg26820055	chr2	1.32E+08		0.247283	1.98752	0.048463	0.955977
cg10391102	chr1	3206316	ENSG00000235131	-0.32648	-1.98381	0.04888	0.956226
cg09897002	chr8	41553955		-0.37799	-1.98547	0.048693	0.956226
cg03808001	chr13	1.13E+08		0.416404	1.984261	0.048829	0.956226
cg14697642	chr5	1.37E+08		-0.36001	-1.98493	0.048753	0.956226
cg01763913	chr12	57623930		0.170213	1.984742	0.048774	0.956226
cg14226131	chr12	77157699		-0.16041	-1.98619	0.048612	0.956226
cg11721361	chr1	1.45E+08		0.284144	1.986531	0.048574	0.956226
cg01980958	chr6	28541036	ZSCAN23	-0.27303	-1.98821	0.048386	0.955593
cg17270808	chr1	1.67E+08		-0.1995	-1.99292	0.047863	0.954675
cg14245102	chr14	1.01E+08		-0.18419	-1.98732	0.048485	0.955977
cg20030796	chr17	72356254		-0.25499	-1.98793	0.048417	0.955866

cg17513182	chr1	1.54E+08		0.195613	1.986901	0.048532	0.956104
cg24766104	chr19	16309072	ENSG00000269399	-0.20083	-1.9856	0.048678	0.956226
cg13653153	chr9	1.31E+08		-0.20678	-1.98469	0.04878	0.956226
cg06067425	chr4	1.41E+08		0.271438	1.985506	0.048689	0.956226
cg06130562	chr16	8942906	RPL21P119	0.240482	1.984981	0.048748	0.956226
cg06620200	chr19	54190235	CACNG6;ZNF415;ZNF818P;CACNG8;ZNF331	-0.31842	-1.98774	0.048438	0.955866
cg05661282	chr19	58220370	ZIK1;ZNF549;ZNF671;ZNF154;PEG3	0.340237	1.985789	0.048657	0.956226
cg23055276	chr19	8564611		0.236457	1.989556	0.048236	0.955571
cg26725201	chr6	3023598	ENSG00000270346;ENSG00000261015;HTATSF1P2	-0.49413	-1.98473	0.048776	0.956226
cg07424342	chr16	89008460		0.227747	1.985662	0.048671	0.956226
cg26469895	chr2	2.4E+08	TRAF3IP1	0.392315	1.985688	0.048668	0.956226
cg25912611	chr20	54968626		0.374584	1.984811	0.048767	0.956226
cg23464183	chr6	27256406		0.277869	1.986987	0.048523	0.955977
cg19958024	chr6	31766138		-0.26106	-1.98434	0.04882	0.956226
cg01453221	chr6	31865268		-0.16143	-1.98483	0.048764	0.956226
cg25665429	chr6	35749808	MAPK13	0.244329	1.986701	0.048555	0.956226
cg21429408	chr18	47825070		0.254363	1.985846	0.048651	0.956226
cg23177883	chr6	32150577		0.224824	1.98671	0.048554	0.956226
cg11139095	chr12	9395304		-0.24432	-1.98642	0.048586	0.956226
cg00784357	chr7	6413877		-0.17166	-1.98861	0.048342	0.955571

cg25377483	chr5	73978496		-0.26638	-1.98525	0.048718	0.956226
cg01953889	chr6	52442149		-0.13016	-1.98543	0.048697	0.956226
cg05908079	chr5	64065005		0.201801	1.985997	0.048634	0.956226
cg17199010	chr7	5390781		-0.25045	-1.98513	0.048731	0.956226
cg12599275	chr1	3011274		-0.22528	-1.98511	0.048734	0.956226
cg04295928	chr11	3829466		-0.16413	-1.98733	0.048485	0.955977
cg05798627	chr11	67291531		-0.1661	-1.98517	0.048727	0.956226
cg11700429	chr2	1.13E+08		0.201153	1.985092	0.048735	0.956226
cg14385438	chr6	15663468		0.29639	1.986588	0.048567	0.956226
cg05017298	chr5	56244748		-0.25892	-1.98487	0.04876	0.956226
cg25628286	chr3	1.11E+08		0.236964	1.98504	0.048741	0.956226
cg02169125	chr17	26684721		-0.13435	-1.9844	0.048813	0.956226
cg11915001	chr19	12175268	ZNF844;ZNF440;ZNF627;FBXW9;CCDC151;ZNF20	0.300832	1.985236	0.048719	0.956226
cg07593582	chr1	2.1E+08		0.240448	1.986405	0.048588	0.956226
cg08328483	chr16	31119196		-0.39432	-1.98428	0.048826	0.956226
cg03803071	chr19	22034523		0.319382	1.984043	0.048853	0.956226
cg20847292	chr1	1.56E+08		0.257298	1.984008	0.048857	0.956226
cg23030853	chr13	31620347		-0.31179	-1.98408	0.048849	0.956226
cg12415917	chr11	6047917	TRIM5;TRIM22;APBB1	-0.32108	-1.98477	0.048772	0.956226
cg02729822	chr11	56510971		-0.29671	-1.98527	0.048716	0.956226
cg08236537	chr8	1.04E+08		-0.35558	-1.98447	0.048805	0.956226
cg18483322	chr2	97523826		-0.13952	-1.98493	0.048754	0.956226

cg08795964	chr8	72468987		0.42937	1.983741	0.048887	0.956226
cg19864972	chr10	21250957	NEBL	-0.41531	-1.98632	0.048597	0.956226
cg00350441	chr16	57220262		-0.16339	-1.98332	0.048935	0.956226
cg22155111	chr19	54705168		-0.14273	-1.98416	0.04884	0.956226
cg05818394	chr13	31041124		0.269661	1.984685	0.048781	0.956226
cg03390569	chr2	54013802		-0.25115	-1.9861	0.048623	0.956226
cg09932758	chr12	58022542	DTX3	0.286379	1.982587	0.049017	0.956226
cg07056606	chr19	52035287		0.19724	1.984663	0.048783	0.956226
cg23180489	chr8	1.44E+08	FAM83H-AS1;LY6H;MAPK15;RHPN1;ZNF623;TOP1MT	0.282862	1.985609	0.048677	0.956226
cg07408740	chr7	44645306		0.267949	1.984065	0.048851	0.956226
cg08478685	chr2	10471301	C2orf50	-0.2607	-1.98573	0.048664	0.956226
cg02639108	chr2	2.43E+08	KIF1A;PPP1R7	-0.29602	-1.98491	0.048756	0.956226
cg10815657	chr19	289902	ARID3A;HMHA1	-0.49915	-1.98416	0.04884	0.956226
cg22139166	chr5	1.24E+08		0.220869	1.984695	0.04878	0.956226
cg00843019	chr19	48785784		-0.23199	-1.98466	0.048784	0.956226
cg14274621	chr2	8825107		-0.22451	-1.98544	0.048696	0.956226
cg13547644	chr1	2.3E+08		0.304483	1.982502	0.049027	0.956246
cg13743231	chr10	94958683		-0.28601	-1.98504	0.048741	0.956226
cg02320862	chr17	75370284		0.3161	1.984648	0.048785	0.956226
cg07694985	chr2	1E+08		-0.18065	-1.98494	0.048752	0.956226
cg19827650	chr3	42744301	FAM198A	-0.17704	-1.98716	0.048503	0.955977
cg26920327	chr19	41035836		-0.20413	-1.98509	0.048736	0.956226
cg23574061	chr2	66418555		-0.2698	-1.984	0.048858	0.956226

cg00001687	chr16	89761661		-0.22356	-1.98544	0.048696	0.956226
cg15863598	chr10	76708663		0.296492	1.985757	0.048661	0.956226
cg04381865	chr16	15219673		-0.90667	-1.98234	0.049045	0.956246
cg17276853	chr17	32964596	RFFL;SLFN12L;ENSG00000267554;ENSG00000255987	0.359219	1.984913	0.048755	0.956226
cg02859511	chr7	1609828		-0.17988	-1.98309	0.04896	0.956226
cg19052193	chr12	1.14E+08		-0.3107	-1.98409	0.048848	0.956226
cg08579011	chr20	61143483		-0.20745	-1.98398	0.04886	0.956226
cg07172676	chr8	1.45E+08	MAF1	-0.17887	-1.98392	0.048867	0.956226
cg05228244	chr10	1102351		-0.12967	-1.98429	0.048825	0.956226
cg02941008	chr1	20810527		0.195476	1.984308	0.048823	0.956226
cg05098589	chr10	30358037	ZNF438;SVIL	0.26152	1.984645	0.048785	0.956226
cg21735516	chr15	41150573	BUB1B;CASC5;SRP14-AS1;NUSAP1;TYRO3;RAD51;GCHFR	0.316588	1.98574	0.048662	0.956226
cg10044431	chr12	7114706		0.267389	1.985856	0.048649	0.956226
cg01793449	chr1	3663339	TTC34;ENSG00000235131	-0.19273	-1.98378	0.048882	0.956226
cg11375112	chr12	11883006	APOLD1	0.279339	1.988509	0.048353	0.955571
cg05336115	chr20	983104		0.384248	1.985166	0.048727	0.956226
cg19558503	chr7	30068084		-0.15812	-1.98311	0.048959	0.956226
cg06402602	chr16	87417326		0.141848	1.98276	0.048998	0.956226
cg24695071	chr7	2419958		-0.41893	-1.9845	0.048801	0.956226
cg27310255	chr2	1.75E+08	ATP5G3	0.230926	1.983757	0.048885	0.956226

cg18488204	chr19	21658645		0.302357	1.983781	0.048883	0.956226
cg14372324	chr20	30347798		-0.61841	-1.98282	0.048991	0.956226
cg20781560	chr1	2.15E+08		-0.29824	-1.98372	0.04889	0.956226
cg09379146	chr3	1.56E+08	SLC33A1;TIPARP	-0.34302	-1.98456	0.048795	0.956226
cg08836825	chr6	82726757		-0.30734	-1.98302	0.048969	0.956226
cg16582779	chr14	29237202		0.204071	1.982755	0.048998	0.956226
cg24713490	chr3	17783469		-0.31459	-1.98266	0.049009	0.956226
cg11734710	chr1	1.58E+08		0.181459	1.984133	0.048843	0.956226
cg00156964	chr12	94853892		-0.13029	-1.98395	0.048863	0.956226
cg16794390	chr17	18148240		-0.20252	-1.98443	0.04881	0.956226
cg23456409	chr2	1.2E+08	TMEM37;STEAP3	0.306496	1.983517	0.048912	0.956226
cg08772111	chr2	2.4E+08		0.287208	1.983525	0.048911	0.956226
cg16043190	chr4	78741143		0.197632	1.983102	0.048959	0.956226
cg04156464	chr16	56224504		0.261221	1.984131	0.048843	0.956226
cg02575691	chr10	1.33E+08		0.185364	1.98479	0.048769	0.956226
cg21906602	chr3	1.96E+08	MUC20	0.191386	1.982994	0.048971	0.956226
cg17875135	chr10	1.24E+08		-0.19587	-1.98545	0.048695	0.956226
cg21161126	chr9	1.14E+08	SVEP1	0.336589	1.986083	0.048624	0.956226
cg01295539	chr15	63100998		-0.26764	-1.98325	0.048943	0.956226
cg08489592	chr19	21688397		0.19036	1.984793	0.048769	0.956226
cg10805352	chr2	56411583		0.30412	1.983751	0.048886	0.956226
cg02271560	chr2	55450737		0.245794	1.984439	0.048809	0.956226
cg15855251	chr6	1.7E+08	THBS2	-0.36022	-1.98489	0.048758	0.956226
cg13829597	chr17	42264871		0.161718	1.982965	0.048974	0.956226
cg07138854	chr18	77678609		0.379455	1.982279	0.049052	0.956246

cg05726701	chr1	2.48E+08		-0.22146	-1.98296	0.048975	0.956226
cg17550268	chr3	1.05E+08		0.162312	1.983098	0.04896	0.956226
cg01934296	chr15	29429225		-0.22464	-1.98393	0.048866	0.956226
cg09925874	chr16	31091428		-0.30564	-1.98331	0.048936	0.956226
cg03545719	chr1	17751272		-0.20946	-1.98261	0.049015	0.956226
cg01675153	chr14	74083869		-0.31268	-1.98283	0.048989	0.956226
cg01862180	chr7	1792902		-0.25839	-1.98306	0.048964	0.956226
cg27165794	chr14	74179674		0.293297	1.987003	0.048521	0.955977
cg24449091	chr1	1.68E+08		0.238969	1.981745	0.049112	0.956246
cg19794082	chr19	51480730	ZNF649	-0.19938	-1.98141	0.04915	0.956246
cg09499256	chr19	52263842	ZNF610	-0.23224	-1.9819	0.049095	0.956246
cg02516583	chr8	38243869		-0.15437	-1.98516	0.048728	0.956226
cg07001545	chr10	50747328		-0.2577	-1.98377	0.048884	0.956226
cg07213616	chr5	60725347		0.249929	1.987053	0.048515	0.955977
cg04430911	chr1	36914349	C1orf216;CSF3R	-0.27	-1.98514	0.04873	0.956226
cg25894374	chr17	39938313		0.219133	1.981291	0.049164	0.956246
cg19262637	chr1	2.41E+08	CHRM3;GREM2	0.392223	1.982584	0.049018	0.956226
cg02035391	chr3	1.97E+08		-0.27765	-1.98529	0.048713	0.956226
cg04140553	chr1	41962232		0.189459	1.983649	0.048897	0.956226
cg02037013	chr18	58039530		0.243489	1.984933	0.048753	0.956226
cg16461251	chr4	1.05E+08		-0.27876	-1.98426	0.048829	0.956226
cg09357268	chr20	43379437		0.281863	1.981341	0.049158	0.956246
cg14836839	chr17	42706084		0.241067	1.986279	0.048602	0.956226
cg11094122	chr20	35579338		0.157995	1.985343	0.048707	0.956226

cg25407198	chr7	1.3E+08	ENSG00000271204;LINC-PINT;ENSG00000233559	0.149631	1.983759	0.048885	0.956226
cg00296565	chr1	42506694		-0.2912	-1.98237	0.049042	0.956246
cg11022928	chr2	42394068		0.416647	1.983199	0.048948	0.956226
cg15022598	chr15	89560878		-0.23126	-1.98322	0.048945	0.956226
cg13448906	chr2	2.18E+08		-0.2449	-1.98387	0.048873	0.956226
cg02008727	chr14	93799574		-0.15399	-1.98221	0.049059	0.956246
cg19532958	chr5	1.51E+08		0.23882	1.983703	0.048891	0.956226
cg16023551	chr5	16616834		0.114695	1.982781	0.048995	0.956226
cg22695372	chr1	94354654		-0.34957	-1.98372	0.04889	0.956226

cg05344747	chr11	33754357	TCP11L1;CD59;ENSG00000184566;DEPDC7;QSER1;HIPK3;NAT10;CAT;PIGCP1;ABTB2;KIAA1549L	0.307062	1.987424	0.048474	0.955977
cg23878202	chr11	1.19E+08		0.196295	1.982322	0.049047	0.956246
cg02386723	chr1	1203167		-0.1799	-1.98356	0.048908	0.956226
cg02022224	chr17	39967428	NT5C3B	0.185314	1.981946	0.04909	0.956246
cg14358164	chr7	1.44E+08	OR2A1-AS1;ARHGEF34P;OR2A7	-0.25974	-1.9844	0.048813	0.956226
cg14593290	chr7	50529359		0.304535	1.983055	0.048964	0.956226
cg19697042	chr15	92080308		-0.24521	-1.98488	0.048759	0.956226
cg05767159	chr7	27231204		0.20523	1.983609	0.048902	0.956226

cg10722217	chr3	14347415	FBLN2;ZFYVE20	0.180097	1.983883	0.048871	0.956226
cg17892556	chr19	12267464		0.25849	1.983452	0.04892	0.956226
cg08439122	chr1	2.24E+08	CAPN2	-0.3285	-1.9829	0.048982	0.956226
cg00747944	chr16	54972845		0.379266	1.982629	0.049012	0.956226
cg24105634	chr3	1.22E+08		-0.19839	-1.98388	0.048872	0.956226
cg13780614	chr15	49607868	FBN1;FGF7;CEP152	0.298948	1.983184	0.04895	0.956226
cg12512271	chr3	1.79E+08		0.250697	1.984962	0.04875	0.956226
cg24322061	chr8	1.41E+08		-0.19148	-1.98391	0.048868	0.956226
cg03832697	chr15	38228220		0.353659	1.982591	0.049017	0.956226
cg20327258	chr1	86174240		-0.14905	-1.98292	0.04898	0.956226
cg00883150	chr4	1.78E+08		-0.11591	-1.9834	0.048926	0.956226
cg26495526	chr16	49407968		-0.20777	-1.98209	0.049073	0.956246
cg12555306	chr19	58459142		0.141722	1.982825	0.04899	0.956226
cg11367939	chr10	1.13E+08		-0.20721	-1.98205	0.049078	0.956246
cg09101258	chr6	46713411		-0.32124	-1.98171	0.049116	0.956246
cg09864185	chr6	1.01E+08		0.323888	1.98406	0.048851	0.956226
cg14815301	chr1	61516830		0.188832	1.983688	0.048893	0.956226
cg26924247	chr1	2.41E+08		-0.26525	-1.9837	0.048891	0.956226
cg25485956	chr10	81146099		0.30463	1.983012	0.048969	0.956226
cg26473651	chr10	50822391		0.162438	1.984196	0.048836	0.956226
cg06797009	chr6	36842476		-0.17851	-1.98437	0.048816	0.956226
cg00005072	chr16	89371982		-0.20439	-1.98325	0.048942	0.956226
cg09629019	chr15	81616489		0.141582	1.983808	0.04888	0.956226
cg22059211	chr8	735312		-0.24816	-1.98348	0.048917	0.956226

cg16640633	chr6	83073819		-0.24958	-1.9831	0.048959	0.956226
cg01157404	chr1	2.37E+08		0.326672	1.982943	0.048977	0.956226
cg07476472	chr2	709025		0.317071	1.982953	0.048976	0.956226
cg26601039	chr13	36788722		-0.15216	-1.98203	0.04908	0.956246
cg10110027	chr14	96339757	GSKIP;SYNE3;BDKRB1;BDKRB2	-0.21118	-1.98174	0.049112	0.956246
cg14408997	chr9	34050096		0.368043	1.980232	0.049284	0.956246
cg10335067	chr14	64065540		0.240016	1.983516	0.048912	0.956226
cg27211899	chr11	1.19E+08		-0.22243	-1.98073	0.049227	0.956246
cg20481340	chr8	1.42E+08		-0.17729	-1.98376	0.048884	0.956226
cg25699417	chr8	1.41E+08		0.208127	1.983611	0.048902	0.956226
cg22280820	chr11	70958936	CTTN	0.186432	1.98266	0.049009	0.956226
cg07982082	chr11	65414261	FAU;EHD1;DPP3	0.420207	1.980745	0.049225	0.956246
cg06954759	chr1	55271295		-0.15159	-1.9827	0.049005	0.956226
cg19399514	chr3	16545582		-0.25118	-1.98714	0.048506	0.955977
cg19754658	chr12	1.17E+08	ENSG00000258337	-0.24949	-1.9821	0.049073	0.956246
cg08458912	chr1	36644235	TEKT2	0.165646	1.982103	0.049072	0.956246
cg15465743	chr11	1413145		0.558555	1.980693	0.049231	0.956246
cg03803818	chr12	1.11E+08		0.257132	1.98283	0.04899	0.956226
cg17430436	chr19	44203013		0.271834	1.983261	0.048941	0.956226
cg06558502	chr19	57610699	ZNF549;PEG3;ZNF667;ZNF583;ZNF134;ZNF470;ZNF667-AS1;ZIK1;ZNF542;ZNF418;ZNF582	0.29896	1.980588	0.049243	0.956246

cg21783847	chr1	1.68E+08		0.261196	1.983058	0.048964	0.956226
cg25918303	chr11	1.07E+08		-0.17059	-1.98245	0.049032	0.956246
cg21730067	chr1	90460918		-0.18104	-1.98163	0.049126	0.956246
cg08342691	chr10	94608593		0.123773	1.982168	0.049064	0.956246
cg13877916	chr2	2.4E+08	TWIST2	0.178671	1.981864	0.049099	0.956246
cg06160221	chr16	89734445		-0.17648	-1.98097	0.0492	0.956246
cg08169659	chr1	1850932		-0.1798	-1.98252	0.049025	0.956246
cg19988426	chr10	1.3E+08		0.284544	1.981454	0.049145	0.956246
cg14750751	chr12	1.11E+08	ADAM1B	0.15506	1.985457	0.048694	0.956226
cg10918580	chr5	72922281		0.234503	1.980764	0.049223	0.956246
cg14855841	chr4	76945459		0.362709	1.98164	0.049124	0.956246
cg17465827	chr4	1.49E+08		0.258544	1.981276	0.049165	0.956246
cg03554264	chr19	46234347		-0.11527	-1.98135	0.049157	0.956246
cg26231794	chr1	1.55E+08	SLC50A1;RAB25;DAP3;FLAD1;UBE2Q1;ENSG00000273002	0.180141	1.981303	0.049162	0.956246
cg02858591	chr17	36349908		-0.18623	-1.98329	0.048938	0.956226
cg26764555	chr3	1.41E+08		-0.22795	-1.98318	0.048951	0.956226
cg13852784	chr9	1.01E+08	TRIM14	-0.29226	-1.98212	0.04907	0.956246
cg24759795	chr8	1.14E+08		0.323116	1.982528	0.049024	0.956246
cg20058872	chr4	1.09E+08		-0.27225	-1.98096	0.049201	0.956246
cg16088692	chr2	1.7E+08		0.112892	1.983203	0.048948	0.956226
cg21310017	chr19	4029144		-0.25735	-1.98152	0.049138	0.956246
cg02902637	chr1	37773903	GRIK3	0.322458	1.981606	0.049128	0.956246

cg15126544	chr2	1.72E+08	GAD1	0.610344	1.980804	0.049219	0.956246
cg17212511	chr3	1.26E+08		0.173837	1.981184	0.049176	0.956246
cg19803043	chr1	1.68E+08		0.151135	1.984798	0.048768	0.956226
cg14169801	chr1	1.17E+08		-0.17289	-1.98088	0.04921	0.956246
cg01122228	chr4	1.57E+08		0.312438	1.982819	0.048991	0.956226
cg15247372	chr17	26684730		0.158177	1.980355	0.04927	0.956246
cg19109457	chr6	30460484	ENSG00000272221;MDC1	-0.35493	-1.98286	0.048986	0.956226
cg24411480	chr19	13986492		-0.19781	-1.98257	0.049019	0.956226
cg01382110	chr18	4454189		0.370424	1.981934	0.049091	0.956246
cg08116368	chr3	1.29E+08		-0.16414	-1.98065	0.049236	0.956246
cg02045981	chr21	45882643		-0.21009	-1.97983	0.049329	0.956246
cg06537244	chr5	32444803		-0.16311	-1.98139	0.049153	0.956246
cg03537163	chr19	814520		0.311706	1.980201	0.049287	0.956246
cg15971629	chr3	1.4E+08		-0.23102	-1.98234	0.049045	0.956246
cg15463284	chr11	18477534		0.579936	1.98021	0.049286	0.956246
cg12253819	chr18	11689062		-0.16327	-1.9801	0.049298	0.956246
cg03113867	chr11	1.3E+08		0.296798	1.984413	0.048811	0.956226
cg22234529	chr1	3616498		-0.23536	-1.98048	0.049255	0.956246
cg13913666	chr7	1198122		0.308488	1.981284	0.049164	0.956246
cg25339112	chr17	56769760		0.245504	1.98094	0.049203	0.956246
cg02580209	chr16	1630832	HN1L;PDPK1;IFT140;CCDC78;BAIAP3;HS3ST6;HAGH	0.333553	1.980866	0.049212	0.956246
cg20876852	chr7	1.3E+08		0.29578	1.981492	0.049141	0.956246

cg00253185	chr1	2.48E+08	-0.20993	-1.98348	0.048916	0.956226
cg06501070	chr1	85331899	0.261611	1.983197	0.048948	0.956226
cg03206668	chr4	99459756	-0.19403	-1.98146	0.049145	0.956246
cg22208022	chr12	14553107	-0.37846	-1.981	0.049196	0.956246
cg02236554	chr2	2672718	-0.21653	-1.98301	0.048969	0.956226
cg05308744	chr2	1.31E+08	0.319857	1.981714	0.049116	0.956246
cg10754327	chr3	25215914	-0.25027	-1.98151	0.049139	0.956246
cg08496030	chr16	74331461	0.277307	1.980246	0.049282	0.956246
cg17145281	chr11	62420267	0.191496	1.981083	0.049187	0.956246
cg03777575	chr11	62413296	-0.23477	-1.97971	0.049343	0.956246
cg12426146	chr4	1.41E+08	0.29456	1.980918	0.049206	0.956246
cg01469887	chr2	1.75E+08	0.286727	1.982634	0.049012	0.956226
cg11884243	chr9	1.38E+08	-0.27884	-1.98063	0.049238	0.956246
cg08458509	chr5	26237881	-0.2783	-1.9804	0.049265	0.956246
cg01788444	chr3	1.19E+08	-0.26191	-1.98134	0.049158	0.956246
cg18271789	chr7	4832112	0.388368	1.980114	0.049297	0.956246
cg14071612	chr9	1.12E+08	-0.25746	-1.98108	0.049188	0.956246
cg14870948	chr5	96421037	-0.21048	-1.9816	0.049129	0.956246
cg11893552	chr6	1.68E+08	-0.25543	-1.98155	0.049134	0.956246
cg15604357	chr1	1.6E+08	-0.19	-1.98128	0.049164	0.956246
cg21697667	chr2	1.21E+08	-0.20995	-1.9826	0.049016	0.956226
cg13758543	chr13	79169714	0.231248	1.981431	0.049148	0.956246
cg16689211	chr14	1.01E+08	-0.33929	-1.97992	0.049319	0.956246
cg27331316	chr1	34175343	-0.23813	-1.98152	0.049138	0.956246
cg18809600	chr6	1.6E+08	0.251652	1.98156	0.049133	0.956246

cg26660312	chr7	5271480		0.314585	1.981686	0.049119	0.956246
cg00030501	chr1	2.23E+08	ENSG00000272645	0.301827	1.981527	0.049137	0.956246
cg01664108	chr5	1005570		-0.13477	-1.98116	0.049179	0.956246
cg00065302	chr21	30366250		0.271633	1.981322	0.04916	0.956246
cg16911759	chr4	1.52E+08		-0.24113	-1.97995	0.049315	0.956246
cg05878073	chr14	74766220		-0.26172	-1.98072	0.049228	0.956246
cg03827772	chr11	70912450		0.249693	1.979579	0.049358	0.956246
cg00751100	chr16	88787639		0.285926	1.981226	0.049171	0.956246
cg21144161	chr5	423903		-0.35979	-1.98109	0.049186	0.956246
cg06944123	chr20	5990620		0.333517	1.981996	0.049084	0.956246
cg14945473	chr15	59063195		0.293328	1.983242	0.048943	0.956226
cg19617948	chr20	30135124		0.164972	1.980243	0.049282	0.956246
cg14526297	chr6	1.46E+08		0.236417	1.981536	0.049136	0.956246
cg14637787	chr3	1.46E+08		-0.2702	-1.98133	0.04916	0.956246
cg03668835	chr3	17784171		-0.17253	-1.9794	0.049378	0.956246
cg19989222	chr7	98741665		-0.18451	-1.97924	0.049396	0.956259
cg05942963	chr14	71787552	ENSG00000259146	-0.17035	-1.98064	0.049238	0.956246
cg25658464	chr5	1.51E+08		-0.24446	-1.98049	0.049254	0.956246
cg25619106	chr3	52321767		-0.14554	-1.97998	0.049312	0.956246
cg26094990	chr10	1.35E+08		-0.19397	-1.98052	0.049251	0.956246
cg09516200	chr17	78735324	RNF213;NPLOC4;TMEM105;LINC00482	-0.36951	-1.98066	0.049235	0.956246
cg11103390	chr10	11784920	ECHDC3	0.838572	1.979331	0.049386	0.956246
cg01764020	chr13	38444087		0.241582	1.979092	0.049413	0.956343

cg15827285	chr5	31408578		0.41644	1.979855	0.049326	0.956246
cg08379380	chr8	95122056		0.232925	1.979656	0.049349	0.956246
cg04501217	chr7	1583129	ZFAND2A	-0.17158	-1.97953	0.049364	0.956246
cg00353353	chr7	1.57E+08		-0.26026	-1.98047	0.049256	0.956246
cg15163780	chr12	1.33E+08		0.209527	1.979327	0.049386	0.956246
cg20423064	chr5	1.08E+08		-0.34689	-1.97954	0.049362	0.956246
cg01874183	chr8	1.21E+08	SNTB1	-0.32736	-1.97839	0.049493	0.956343
cg08151750	chr2	27718289		0.241701	1.979687	0.049345	0.956246
cg27325215	chr22	38517556		-0.16799	-1.97901	0.049422	0.956343
cg04110868	chr10	1.34E+08		-0.15971	-1.98042	0.049262	0.956246
cg22173141	chr19	290595		-0.27022	-1.9814	0.049151	0.956246
cg13813649	chr17	31317449		-0.19548	-1.98067	0.049234	0.956246
cg21252725	chr9	37800822		-0.19106	-1.97835	0.049497	0.956343
cg20996645	chr13	21573249		-0.26326	-1.97977	0.049336	0.956246
cg16172240	chr5	1.52E+08		0.348526	1.979418	0.049376	0.956246
cg04539515	chr1	2.21E+08	IARS2;HLX;DUSP10	0.298698	1.979675	0.049347	0.956246
cg13853761	chr11	64863232	CCDC88B;DNAJC4;EHD1	0.342129	1.978763	0.04945	0.956343
cg08141342	chr1	45308976		-0.16976	-1.97845	0.049486	0.956343
cg11541486	chr17	72358055		-0.20497	-1.98313	0.048956	0.956226
cg00230837	chr5	9714909	CCT5	0.25423	1.979939	0.049317	0.956246
cg04692301	chr6	33152695		-0.1541	-1.98238	0.04904	0.956246
cg04876069	chr12	1.32E+08		0.392917	1.981927	0.049092	0.956246
cg21915970	chr17	29885825		0.151169	1.979819	0.04933	0.956246
cg12196367	chr3	1.84E+08	ECE2	-0.14901	-1.98057	0.049245	0.956246

cg07511459	chr21	40684751		-0.28155	-1.97996	0.049314	0.956246
cg23817042	chr10	28031269		0.146418	1.978366	0.049495	0.956343
cg14013220	chr1	2.45E+08		-0.16835	-1.97908	0.049414	0.956343
cg03901281	chr5	1441675		-0.23253	-1.97888	0.049437	0.956343
cg25602490	chr1	1.09E+08	HENMT1	-0.26201	-1.97896	0.049427	0.956343
cg23990557	chr15	99443249		-0.3341	-1.97966	0.049349	0.956246
cg06954855	chr1	1.6E+08	AIM2;PYHIN1;SLAMF6;LY9;FCRL6;SLAMF1;CD244	0.262642	1.979284	0.049391	0.956246
cg22142858	chr6	6004804		0.220774	1.98026	0.04928	0.956246
cg00713286	chr17	2868887	ASPA;TRPV3;ENSG00000263050;HIC1;ATP2A3;C17orf85;P2RX5-TAX1BP3;P2RX1;ENSG00000262194	0.359667	1.978851	0.04944	0.956343
cg14485789	chr2	2.37E+08		0.21001	1.980086	0.0493	0.956246
cg04297686	chr5	93643309	POU5F2	0.310054	1.9806	0.049242	0.956246
cg05682581	chr8	929958	ERICH1	-0.27514	-1.97839	0.049493	0.956343
cg07400453	chr11	1.26E+08		-0.26835	-1.97958	0.049357	0.956246
cg24362401	chr18	39535226		-0.29379	-1.97956	0.04936	0.956246
cg23736843	chr12	1.14E+08	RASAL1;DTX1	-0.24976	-1.98064	0.049237	0.956246
cg13090402	chr2	3418772		-0.21608	-1.97958	0.049358	0.956246
cg05296619	chr13	1.15E+08	GRTP1	0.250397	1.980777	0.049222	0.956246
cg11003814	chr8	4854917	CSMD1	0.315213	1.979702	0.049344	0.956246

cg05144884	chr16	2770429		0.214071	1.981177	0.049176	0.956246
cg08665801	chr6	33378936		-0.15549	-1.97862	0.049467	0.956343
cg11866296	chr17	36061601	SYNRG	0.297726	1.981777	0.049109	0.956246
cg07555437	chr20	45279830		0.197905	1.978856	0.04944	0.956343
cg02731824	chr6	44695195		-0.23272	-1.98185	0.0491	0.956246
cg18854424	chr1	2615690		-0.24014	-1.9777	0.049572	0.956357
cg25772723	chr3	1.28E+08		0.23556	1.979644	0.04935	0.956246
cg04915891	chr2	46621477	EPAS1;PRKCE	0.424904	1.980411	0.049263	0.956246
cg22928016	chr10	83636249		0.253558	1.97879	0.049447	0.956343
cg10974128	chr10	93393509		0.270888	1.978581	0.049471	0.956343
cg23998650	chr5	3787948		0.319446	1.981366	0.049155	0.956246
cg12656896	chr6	8438818		-0.344	-1.97909	0.049413	0.956343
cg17418304	chr1	2.37E+08		-0.18613	-1.98158	0.049131	0.956246
cg11425656	chr7	44791211		0.18586	1.978338	0.049499	0.956343
cg12245709	chr11	361318		0.264698	1.978963	0.049428	0.956343
cg08437132	chr5	1.51E+08	SLC36A1;ATOX1	-0.22218	-1.97876	0.049451	0.956343
cg17482706	chr9	77643371		-0.16338	-1.98051	0.049253	0.956246
cg19826864	chr10	31321007		0.232447	1.977703	0.049571	0.956357
cg11565703	chr4	26321236		-0.15901	-1.97983	0.04933	0.956246
cg06796779	chr3	1.28E+08		0.282692	1.977094	0.04964	0.956357
cg11180624	chr7	95705445		0.251842	1.980658	0.049235	0.956246
cg18771357	chr13	1.07E+08		0.310022	1.978635	0.049465	0.956343
cg01370449	chr7	27183369	HOXA-AS2	0.244417	1.982171	0.049064	0.956246
cg27343836	chr16	86549678		0.193507	1.978849	0.049441	0.956343
cg22853588	chr20	35169881	SLA2	0.359605	1.98043	0.049261	0.956246

cg04261556	chr7	20373143		-0.27938	-1.97944	0.049373	0.956246
cg04310824	chr1	53393297		-0.2052	-1.97843	0.049488	0.956343
cg16383005	chr6	1.67E+08	PRR18	-0.25221	-1.97794	0.049544	0.956357
cg21793382	chr7	1.34E+08		-0.26934	-1.97869	0.049458	0.956343
cg19560927	chr19	46995312	CCDC8;PNMAL1	-0.31216	-1.9783	0.049502	0.956343
cg20581321	chr2	98963585		0.330856	1.978764	0.04945	0.956343
cg03186620	chr19	19657416	ZNF486;ZNF90;ENSG00000267383;ENSG00000271524	-0.21899	-1.98133	0.049159	0.956246
cg08204783	chr19	12624679		0.271822	1.97777	0.049563	0.956357
cg12301972	chr2	2.42E+08		-0.24552	-1.97856	0.049473	0.956343
cg18294610	chr11	18138837		-0.23048	-1.9789	0.049435	0.956343
cg12197457	chr6	1.61E+08		0.239746	1.978017	0.049535	0.956357
cg09724878	chr12	1.32E+08		-0.17283	-1.97712	0.049637	0.956357
cg06379876	chr1	41220106	COL9A2	0.533965	1.980932	0.049204	0.956246
cg06866103	chr2	2.2E+08		0.26038	1.977168	0.049632	0.956357
cg13522003	chr3	3221500		0.138366	1.979543	0.049362	0.956246
cg23889654	chr10	860862		0.260122	1.979477	0.049369	0.956246
cg03326699	chr1	42506979		-0.22037	-1.9786	0.049469	0.956343
cg01091079	chr12	34455326		-0.19975	-1.97825	0.049508	0.956343
cg02755956	chr6	1.12E+08		-0.2438	-1.97935	0.049384	0.956246
cg22812770	chr1	52195547		-0.21172	-1.97813	0.049522	0.956357
cg22369590	chr1	1.57E+08	TMEM79;IQGAP3;RAB25;ENSG00000246203	-0.20796	-1.97846	0.049485	0.956343

cg27158308	chr6	10838807		-0.1752	-1.97834	0.049498	0.956343
cg17445875	chr3	69859618		-0.30332	-1.97845	0.049486	0.956343
cg25632093	chr22	29999554		-0.15173	-1.97833	0.0495	0.956343
cg08784934	chr10	664994		0.301878	1.977062	0.049644	0.956379
cg03173685	chr16	21178333		-0.1838	-1.97884	0.049442	0.956343
cg17753942	chr17	78957598		0.240185	1.978461	0.049485	0.956343
cg18497508	chr6	41528345	C6orf132;ENSG00000261068;TRERF1	0.376234	1.980319	0.049274	0.956246
cg16398094	chr2	86333206		-0.14393	-1.97822	0.049513	0.956343
cg16015285	chr8	1.28E+08	LINC00861	0.210017	1.980876	0.049211	0.956246
cg08263099	chr19	54410160		-0.15214	-1.97927	0.049393	0.956246
cg05898618	chr11	2555576	CARS;NAP1L4	-0.58629	-1.98014	0.049294	0.956246
cg15942562	chr12	6959471		0.20174	1.978791	0.049447	0.956343
cg27287840	chr7	8008357		0.203719	1.980519	0.049251	0.956246
cg04675427	chr12	7249465		0.229595	1.977895	0.049549	0.956357
cg04063615	chr12	1.32E+08		0.515834	1.978932	0.049431	0.956343
cg07533729	chr2	2.16E+08		-0.21608	-1.97678	0.049676	0.956689
cg24390428	chr17	75252210	TNRC6C	-0.28732	-1.97687	0.049666	0.956622
cg18313116	chr2	28113601		-0.14117	-1.97723	0.049625	0.956357
cg24580076	chr7	915073	SUN1	-0.60649	-1.97934	0.049385	0.956246
cg02454884	chr19	46389466		0.170176	1.978915	0.049433	0.956343
cg16177805	chr2	2.43E+08		-0.20787	-1.97639	0.049721	0.957091
cg27340283	chr11	45199222		0.196689	1.97996	0.049314	0.956246
cg02394098	chr12	29534091		0.152223	1.980069	0.049302	0.956246
cg07813377	chr12	1192425		0.302462	1.979909	0.04932	0.956246

cg02632236	chr1	5893532		0.218371	1.978506	0.04948	0.956343
cg00251125	chr1	2.28E+08		-0.17275	-1.9775	0.049594	0.956357
cg03188793	chr11	755658		0.631325	1.978678	0.04946	0.956343
cg18238570	chr8	12952379		-0.37098	-1.97732	0.049615	0.956357
cg03189871	chr19	6713292		-0.20505	-1.9774	0.049606	0.956357
cg16928551	chr6	32847441	PBX2	0.302415	1.977418	0.049603	0.956357
cg13341412	chr6	1.24E+08		0.329667	1.979306	0.049389	0.956246
cg24707311	chr7	2500070		-0.22983	-1.97899	0.049424	0.956343
cg15945785	chr4	1.7E+08		0.221067	1.977128	0.049637	0.956357
cg02280023	chr12	68726324		-0.19872	-1.9777	0.049571	0.956357
cg07288557	chr12	47226301	RAPGEF3;HDAC7	0.311095	1.977772	0.049563	0.956357
cg07588263	chr8	42396768		0.196727	1.979266	0.049393	0.956246
cg02349468	chr5	1093661	PDCD6;LPCAT1	-0.2465	-1.98286	0.048986	0.956226
cg02729269	chr16	127772		-0.16717	-1.9777	0.049571	0.956357
cg07148880	chr1	2.01E+08		0.123099	1.978236	0.04951	0.956343
cg19612191	chr15	96884949		0.25944	1.977111	0.049638	0.956357
cg04957198	chr10	25241883		-0.35366	-1.97644	0.049716	0.957068
cg07897659	chr22	50316901		-0.55049	-1.9783	0.049503	0.956343
cg12212956	chr3	1.52E+08	P2RY14;TMEM14E	-0.39382	-1.97933	0.049386	0.956246
cg27074505	chr2	37684473		-0.31583	-1.98024	0.049283	0.956246
cg10716862	chr1	65674876		0.184629	1.977145	0.049635	0.956357
cg21515023	chr5	1253833		-0.34688	-1.97977	0.049336	0.956246
cg02672592	chr1	1.51E+08		0.209945	1.97866	0.049462	0.956343
cg23216015	chr7	31726654	FAM188B	-0.25288	-1.97739	0.049607	0.956357
cg16534163	chr3	1.46E+08		-0.30622	-1.97928	0.049392	0.956246

cg07601475	chr16	89941916		-0.27134	-1.97746	0.049598	0.956357
cg13650965	chr6	41011991		-0.29425	-1.9767	0.049685	0.956785
cg11731114	chr10	8096064		-0.33217	-1.97683	0.049671	0.956634
cg02723856	chr15	53086726		0.263273	1.977956	0.049542	0.956357
cg04334751	chr7	1.3E+08		0.27524	1.978179	0.049517	0.956343
cg13651859	chr9	91926249	HNRNPA1P14	-0.17531	-1.97752	0.049591	0.956357
cg03549571	chr12	49488198		0.27488	1.979904	0.049321	0.956246
cg12750151	chr11	55586264		-0.27027	-1.97965	0.049349	0.956246
cg09829319	chr6	10882238		0.286923	1.977092	0.049641	0.956357
cg01248375	chr9	94877805		0.195997	1.976722	0.049683	0.956783
cg27318635	chr16	3781749		-0.23561	-1.97825	0.049508	0.956343
cg04396185	chr12	53574334		-0.16501	-1.97611	0.049753	0.957219
cg13470069	chr17	40307567		0.355832	1.979117	0.04941	0.956343
cg11073931	chr20	57269626		0.215711	1.977484	0.049596	0.956357
cg13416007	chr17	79296376		0.186803	1.978107	0.049525	0.956357
cg03383508	chr2	1.2E+08		-0.22462	-1.98006	0.049303	0.956246
cg14656229	chr7	1.39E+08		-0.23509	-1.97726	0.049622	0.956357
cg01109169	chr2	71134630		0.247548	1.978557	0.049474	0.956343
cg14640149	chr2	2.17E+08		-0.31455	-1.97601	0.049764	0.957219
cg01514538	chr1	2980380	TTC34;MORN1;ENSG00000269896;TP73;CEP104	0.216935	1.976168	0.049746	0.957219
cg16850897	chr7	1E+08		0.440119	1.976637	0.049692	0.956839
cg00883218	chr1	6301400		0.173437	1.978003	0.049537	0.956357
cg00763768	chr14	99947408		0.149382	1.978179	0.049517	0.956343

cg16304302	chr12	27486485		-0.15457	-1.97751	0.049593	0.956357
cg27299484	chr4	42418956		-0.24459	-1.97783	0.049557	0.956357
cg11965409	chr2	2.4E+08		-0.23378	-1.97631	0.049729	0.957117
cg02520160	chr5	1.57E+08	CYFIP2	-0.21943	-1.97717	0.049632	0.956357
cg17083475	chr12	1.33E+08		-0.2157	-1.97802	0.049535	0.956357
cg13184077	chr10	64424428		-0.21482	-1.97565	0.049805	0.95738
cg02345798	chr22	18957892		-0.17871	-1.97823	0.049511	0.956343
cg17719818	chr19	45211327		-0.23481	-1.97508	0.04987	0.957754
cg01185626	chr1	75594016		0.251514	1.977156	0.049633	0.956357
cg10493330	chr5	1.8E+08		-0.16863	-1.97694	0.049658	0.956596
cg08515779	chr17	73039310		-0.16897	-1.97656	0.049702	0.956889
cg03651680	chr2	46926842		-0.19501	-1.97761	0.049582	0.956357
cg05511886	chr2	20423429		0.125168	1.977524	0.049591	0.956357
cg26455541	chr4	26321238		-0.20531	-1.9764	0.04972	0.957091
cg15547534	chr7	1E+08		0.224451	1.978128	0.049523	0.956357
cg00057240	chr2	1.91E+08		-0.36024	-1.97751	0.049593	0.956357
cg03782453	chr4	7043935		0.242886	1.975262	0.04985	0.957753
cg11453719	chr13	28552052		0.290419	1.976649	0.049691	0.956839
cg10008725	chr16	1728898		-0.20394	-1.97688	0.049664	0.956622
cg17222992	chr1	2.12E+08		-0.14464	-1.97586	0.049782	0.957219
cg20144359	chr11	61450770	CD6	-0.21715	-1.97591	0.049776	0.957219
cg16636522	chr17	46723671		-0.31029	-1.97931	0.049388	0.956246
cg01356910	chr16	4323571	CLUAP1	-0.1657	-1.97785	0.049554	0.956357
cg26293201	chr6	33281517		-0.14302	-1.97517	0.049861	0.957754
cg17937726	chr3	1.64E+08		0.475115	1.97714	0.049635	0.956357

cg07158503	chr5	1.35E+08		0.551247	1.98363	0.0489	0.956226
cg11192541	chr6	30434109		-0.2144	-1.97586	0.049781	0.957219
cg26585724	chr15	90208739		0.251113	1.976587	0.049698	0.956869
cg22787719	chr1	2.1E+08		-0.22018	-1.97635	0.049725	0.957115
cg25141181	chr1	19665757		0.456185	1.975937	0.049773	0.957219
cg11022236	chr6	564588		-0.17173	-1.97658	0.049699	0.956869
cg21975834	chr5	1.34E+08	SKP1	0.310067	1.975371	0.049837	0.957658
cg03386971	chr22	46328304	CERK	0.32292	1.975048	0.049874	0.957754
cg01905633	chr6	3849391		0.234982	1.97738	0.049608	0.956357
cg23914904	chr12	1.15E+08		-0.23191	-1.97597	0.049769	0.957219
cg05483505	chr11	59785552		0.256692	1.975647	0.049806	0.95738
cg08089543	chr4	1607111		-0.18453	-1.9765	0.049708	0.956974
cg27395666	chr1	98513986		-0.26751	-1.97624	0.049738	0.957156
cg06830724	chr14	1.01E+08		0.229732	1.979458	0.049371	0.956246
cg07060908	chr16	29884970		-0.25053	-1.97626	0.049735	0.957147
cg24601716	chr13	28498451		0.175456	1.975667	0.049803	0.95738
cg27425169	chr15	66313425		-0.27223	-1.97584	0.049784	0.957219
cg02478708	chr19	55401611		-0.26593	-1.97522	0.049854	0.957754
cg15049101	chr10	1.23E+08	FGFR2	-0.39529	-1.97728	0.049619	0.956357
cg09320367	chr1	40177469		-0.2411	-1.97558	0.049813	0.957398
cg13097816	chr2	2.42E+08		-0.27719	-1.97416	0.049976	0.957982
cg04851702	chr16	81528974	CMIP;GAN	-0.28398	-1.97501	0.049879	0.957754
cg26985469	chr22	41778258		-0.18238	-1.97495	0.049886	0.957754
cg19812605	chr11	1.18E+08		0.184535	1.977182	0.04963	0.956357
cg07927310	chr10	50729975		0.26837	1.977551	0.049588	0.956357

cg04522691	chr1	22972401	USP48;LINC00339	-0.20634	-1.97437	0.049952	0.957982
cg25890678	chr2	1.13E+08		-0.33061	-1.97599	0.049766	0.957219
cg25252708	chr2	2.09E+08		-0.30427	-1.9759	0.049777	0.957219
cg25495685	chr7	1.51E+08		0.209608	1.974987	0.049881	0.957754
cg10842804	chr11	1.25E+08		0.218742	1.977438	0.049601	0.956357
cg06573096	chr13	44811779		-0.3582	-1.97796	0.049542	0.956357
cg02385848	chr6	1.66E+08		-0.26233	-1.97518	0.049859	0.957754
cg16885982	chr11	1422563		-0.19901	-1.97717	0.049631	0.956357
cg21475270	chr1	47909595	TAL1;CYP4B1	0.245222	1.97578	0.04979	0.957297
cg19872335	chr19	41133077		0.295805	1.974628	0.049922	0.957982
cg05153861	chr7	1E+08	ZCWPW1	0.14378	1.975953	0.049771	0.957219
cg03766703	chr19	46393454		-0.24344	-1.97439	0.04995	0.957982
cg06295928	chr7	4902015		-0.28349	-1.97996	0.049315	0.956246
cg21188400	chr2	19082803		0.29917	1.975931	0.049773	0.957219
cg19360852	chr12	12848977		0.344628	1.975606	0.04981	0.957383
cg23668905	chr1	2.03E+08		-0.20621	-1.97756	0.049587	0.956357
cg14440947	chr9	33166737		-0.2117	-1.97596	0.049769	0.957219

cg02526790	chr8	1.34E+08	NDRG1;WISP1;SLA;TMEM71	0.313018	1.97562	0.049809	0.957383
cg00891541	chr16	68481487		0.332885	1.975089	0.04987	0.957754
cg08018789	chr16	90039187		-0.11706	-1.97627	0.049735	0.957147
cg08174482	chr4	40823896		0.271385	1.975367	0.049838	0.957658
cg22772440	chr6	1.51E+08	MTHFD1L	-0.33065	-1.9748	0.049902	0.957982
cg10588893	chr12	34464089		0.250435	1.973974	0.049997	0.957982
cg22963382	chr11	1.14E+08	ENSG00000270179	-0.28593	-1.97432	0.049958	0.957982

cg00924004	chr8	65490710		0.227372	1.977401	0.049605	0.956357
cg08023020	chr16	2059559		0.12351	1.974345	0.049955	0.957982
cg08881614	chr3	51433428		-0.17488	-1.97571	0.049798	0.95737
cg12664749	chr1	2E+08	PTPRC	0.292938	1.974416	0.049947	0.957982
cg11560627	chr10	71888428		-0.21175	-1.97521	0.049856	0.957754
cg08096038	chr6	99861729		-0.34451	-1.97399	0.049996	0.957982
cg09007236	chr17	78228820		0.240296	1.976868	0.049666	0.956622
cg27590541	chr16	10449708		-0.23575	-1.97442	0.049946	0.957982
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PDLIM4;P4HA2;UQCRQ;HSPA4;KIF3A;ACSL6;ZCCHC10	-0.59898	-6.19523	4.21E-09	0.00061
SRCIN1;PLXDC1;ARHGAP23;HNF1B;LINC00672;PIP4K2B;MLLT6; NEUROD2;STARD3;PCGF2;ENSG00000214546;CACNB1	-0.83341	-6.19219	4.28E-09	0.00061
ENSG00000225265;FAM177B;MARC2;DUSP10	-0.87465	-6.0146	1.07E-08	0.001135
MANSC1;CREBL2;ETV6	-0.44483	-5.96789	1.35E-08	0.001135
DLK2;LRRC73;RSPH9;DNPH1;TCTE1;SPATS1;PTK7;ENSG00000272442	-0.67841	-5.9354	1.59E-08	0.001135
GMPR;STMND1	-0.66289	-5.87989	2.11E-08	0.001286
BCL9	0.543703	5.783218	3.42E-08	0.001656
FUOM	-1.12221	-5.77364	3.58E-08	0.001656
DYNLL1-AS1;CIT;MORN3;UNC119B;PXN;DYNLL1	-0.53106	-5.72899	4.47E-08	0.001656
	-0.65567	-5.72161	4.63E-08	0.001656
SRGAP1;TMEM5;ENSG00000256571;ENSG00000255693;GNS	-0.80889	-5.70858	4.94E-08	0.001656
CASZ1;APITD1;SPSB1;ENSG00000234546	-0.61038	-5.67581	5.81E-08	0.001656
RNF157-AS1;FOXJ1;SEC14L1;ST6GALNAC2;ITGB4;UBALD2;RHBDF2;SPHK1;TRIM65;WBP2;RNF157;TRIM47;LINC00338;PRPSAP1;EVPL;SAP30BP;FBF1	-0.55491	-5.67903	5.72E-08	0.001656
SLC43A2;C17orf97;MYO1C;DOC2B;YWHAE;HIC1	-0.45643	-5.67561	5.81E-08	0.001656
C6orf118;PRR18;MPC1;SFT2D1	-0.89794	-5.6373	7.01E-08	0.001874
	-0.69197	-5.5631	1.01E-07	0.002532
	-0.72755	-5.54013	1.13E-07	0.002673
RYR1;FBXO17;PLEKHG2;ZNF573;SPINT2;PPP1R14A;RINL;LGALS7	-0.54622	-5.52868	1.19E-07	0.002676
NUBPL;HEATR5A;HECTD1;ENSG00000257831	-0.91348	-5.50852	1.31E-07	0.002719
MLF1;LXN;RARRES1;IQCJ-SCHIP1;MFSD1;ENSG00000271778	-0.70238	-5.49806	1.38E-07	0.002719
LDLRAD1;HSPB11;TCEANC2;ENSG00000197015;DIO1;TTC22;TMEM59;C1orf177;SSBP3;DHCR24;YIPF1;ENSG00000237611;BSND;CYB5RL	-0.61932	-5.47874	1.51E-07	0.002719
	0.58308	5.471086	1.57E-07	0.002719
	-0.77118	-5.45953	1.66E-07	0.002719
	0.527841	5.456504	1.68E-07	0.002719
UNC79;FAM181A-AS1;C14orf142;PPP4R4;SERPINA1;FAM181A;IFI27L2;PRIMA1;ASB2;SERPINA10	-1.03331	-5.45734	1.68E-07	0.002719
LZTS1;INTS10;ATP6V1B2;CSGALNACT1	-0.64321	-5.44571	1.77E-07	0.002719
	0.384364	5.438297	1.84E-07	0.002719
ENSG00000206113;ENSG00000248399;ENSG00000249428;SH3BP2;ENSG00000243894;NOP14;FAM86EP;ENSG00000261643	-0.65355	-5.43463	1.87E-07	0.002719
	-0.62427	-5.42165	1.99E-07	0.002719
STX2;POLE;MMP17;GPR133	-1.55564	-5.41677	2.04E-07	0.002719

MSMB;PARG;ENSG00000235618;OGDHL;TIMM23	-0.61777	-5.41681	2.04E-07	0.002719
	-0.43212	-5.38157	2.41E-07	0.002942
ALOX15	-0.63386	-5.37546	2.48E-07	0.002942
CCDC13;CCDC13-AS1;HHATL;FAM198A;HHATL-AS1;ZNF662;ZNF445;ABHD5;ZNF197;ACKR2;ZKSCAN7;ZNF660	-0.64583	-5.39156	2.30E-07	0.002942
	-0.40495	-5.37904	2.44E-07	0.002942
CEP104;TPRG1L	-0.72252	-5.35781	2.69E-07	0.003095
IL34;ST3GAL2;MARVELD3	-0.41429	-5.35333	2.75E-07	0.003095
PRX;LTBP4;AXL;ZNF780B;PSMC4	0.38414	5.334672	3.01E-07	0.003235
	-0.4621	-5.33314	3.03E-07	0.003235
HMCN1;EDEM3	-0.59835	-5.32569	3.14E-07	0.003269
C11orf89;TSPAN4;TSPAN32;LSP1	-0.51746	-5.30717	3.42E-07	0.003318
	0.600672	5.311765	3.35E-07	0.003318
MOK;HSP90AA1;WDR20;TECPR2;ZFYVE21;ENSG00000260285;ENSG00000259508;ENSG00000270108;CKB	-0.53207	-5.31776	3.26E-07	0.003313
	-0.53656	-5.30166	3.51E-07	0.003318
EFCAB6;TTLL1;EFCAB6-AS1;MCAT;CENPM;MPPED1;BIK;A4GALT;PACSIN2;ARFGAP3;SMDT1;NAGA;NFAM1;SCUBE1;ATP5L2	-0.78476	-5.29808	3.57E-07	0.003318
TSPAN15;PALD1	0.527707	5.277661	3.93E-07	0.003574
GIT2	0.396609	5.264331	4.18E-07	0.003682
TTC8;EFCAB11;ENSG00000258699;SPATA7;TDP1;ENSG00000258752;FOXN3	-0.70151	-5.26038	4.26E-07	0.003682
CCDC60;DYNLL1-AS1;CCDC64;RNF10;UNC119B;PXN;DYNLL1;MLEC;ENSG00000248636;P2RX7	-0.56014	-5.25358	4.40E-07	0.003682
CAPN9;GNPAT;SPRTN;ENSG00000244137;FAM89A	-0.56881	-5.25419	4.39E-07	0.003682
TIMP2;C1QTNF1;ENSG00000267506;TNRC6C	-0.42724	-5.24479	4.58E-07	0.003682
RAB20;ANKRD10;COL4A1;ARHGEF7;COL4A2;ING1	-0.57766	-5.24529	4.57E-07	0.003682
	0.405231	5.238581	4.72E-07	0.003682
ENSG00000268592;LRP11;PPP1R14C;RAET1E	-0.75738	-5.23563	4.78E-07	0.003682
POLE;STX2;GPR133;DDX51;ULK1	-0.88312	-5.23193	4.87E-07	0.003682
CCDC13-AS1;CCDC13;ULK4;HHATL-AS1;HHATL	-0.72063	-5.22735	4.97E-07	0.003682
CEACAM3;AXL;DEDD2;LTBP4;ADCK4;PLD3;PRX	-0.4479	-5.22634	5.00E-07	0.003682
MSMB;OGDHL;ENSG00000235618	-0.88039	-5.19416	5.80E-07	0.004149
RSPH3;SYTL3;DYNLT1;EZR;ZDHHC14;C6orf99;ENSG00000213076;FNDC1;ENSG00000271913;SERAC1	-0.56143	-5.19333	5.82E-07	0.004149
KIAA0513;FENDRR;FOXF1;FAM92B	-0.77221	-5.17606	6.31E-07	0.00435
C14orf79;ADSSL1;IGHV3-15;IGHV3-11;IGHV3-21;IGHV3-23	-0.56798	-5.1797	6.20E-07	0.004348
MTURN;WIPF3;FAM188B;CHN2;ENSG00000235669;ENSG00000227017;RPS27P16;SCRN1;PRR15;ENSG00000229263;NANOGP4	-0.56354	-5.16754	6.56E-07	0.004453

PIH1D2;BTG4;BCO2;C11orf88;POU2AF1;MIR34C;ENSG00000255093;ENSG00000254980;ENSG00000255208;ENSG00000255428;DIXDC1;DLAT;C11orf53;ENSG00000214264;LAYN;COLCA2;ENSG00000255334;COLCA1;C11orf1;IL18	-0.68903	-5.15939	6.82E-07	0.004552
SHROOM3	-0.51298	-5.14536	7.27E-07	0.004782
ZFP3;ENSG00000261863;ARRB2;SPNS3;PLD2;MED11;SCIMP;VMO1;MINK1;ENSG00000261879;ALOX15;MIS12	-1.00686	-5.13909	7.48E-07	0.004847
	-0.50345	-5.12989	7.81E-07	0.004898
SLC37A1;RSPH1;TMPRSS3;C21orf128;TMPRSS2;ENSG00000235772;LINC00111;ENSG00000225431;UMODL1;LINC00479;TFF3;ABCG1;ZNF295-AS1;PDE9A;TFF1;PRDM15	-0.52473	-5.13557	7.61E-07	0.004853
ZNRD1-AS1	-0.4347	-5.12718	7.91E-07	0.004898
PEAR1;SYT11	0.445982	5.112613	8.45E-07	0.005162
PITPNA;SCARF1;HIC1;YWHAE;INPP5K	-0.57545	-5.10821	8.63E-07	0.005176
SLC37A1;TMPRSS3;RSPH1;TMPRSS2;ENSG00000225431;TFF3;ENSG00000235772;UMODL1;LINC00111;C21orf128;ZNF295-AS1;LINC00479;TFF1;PDE9A;PRDM15;ENSG00000237989	-0.62443	-5.10589	8.72E-07	0.005176
SERPINE2	-0.80337	-5.07254	1.02E-06	0.005947
TCP11L1;CD59;ENSG00000184566;DEPDC7;QSER1;HIPK3;NAT10;CAT;PIGCP1;ABTB2;KIAA1549L	-0.65182	-5.06425	1.05E-06	0.006093
PPARGC1B;HMGXB3;PDGFRB;ARHGEF37;ABLIM3;TCOF1	-0.70193	-5.05309	1.11E-06	0.006242
C17orf58;ABCA8;PRKAR1A;PITPNC1;AMZ2;ABCA6;ABCA10;ABCA5;ENSG00000267731;ABCA9	-0.4976	-5.05461	1.10E-06	0.006242
C11orf49;AGBL2;CELF1;DDB2;LRP4;PACSIN3;KBTBD4;RAPSN	-0.46223	-5.04834	1.13E-06	0.006295
FGF1	-0.74704	-5.0399	1.18E-06	0.006376
ENSG00000258334;CCDC65;PRPH;KCNH3;CACNB3;C12orf68;FMNL3;TUBA1A;TMBIM6;RHEBL1;ZNF641;LMBR1L;KANSL2;SPATS2;DNAJC22	-0.66312	-5.04166	1.17E-06	0.006376
	-0.47238	-5.03341	1.21E-06	0.006411
C4orf19	-0.57423	-5.03108	1.23E-06	0.006411
	-0.45395	-5.0305	1.23E-06	0.006411
	-0.61606	-5.00936	1.35E-06	0.006971
	0.505706	5.004457	1.38E-06	0.007043
TRIP13;NKD2;AHRR;PLEKHG4B;TPPP;C5orf55	-0.68995	-4.99877	1.42E-06	0.007083
	-0.55314	-4.99799	1.43E-06	0.007083
HOXB1;SKAP1;NPEPPS;HOXB4;PRR15L;MIR10A;CALCOCO2;HOXB5;HOXB-AS2;TBKBP1;ENSG00000235300	-0.64021	-4.98284	1.53E-06	0.007248
ARHGEF10	-0.48285	-4.98949	1.48E-06	0.007248
COL4A1;RAB20;COL4A2	-0.63666	-4.98431	1.52E-06	0.007248
EFCAB2;C1orf101;ENSG00000232192;ENSG00000272195	-0.66192	-4.98687	1.50E-06	0.007248
TPPP	-1.29769	-4.97325	1.59E-06	0.007485
CDH26	-0.75235	-4.96557	1.65E-06	0.007664
	0.397858	4.95255	1.75E-06	0.007953
CCDC40;PCYT2;BAIAP2-AS1;ENSG00000263069;AZI1;LINC00482	-0.78932	-4.95602	1.72E-06	0.007914

ZFP3;ARRB2;ENSG00000261863;PLD2;SCIMP;MED11;SPNS3;ALOX15;MINK1	-0.91144	-4.94822	1.78E-06	0.00796
C14orf79;ADSSL1;IGHG2;IGHV3-21;IGHV3-23;IGHV3-15;IGHG3;IGHG1;IGHV3-7;KIAA0125;JAG2;CDCA4;IGHV3-11;INF2;IGHM;IGHJ3P;IGHA1;IGHGP;IGHG4;ENSG00000251602	-0.55558	-4.9463	1.80E-06	0.00796
MRPL14;SLC29A1;DLK2;GLTSCR1L;POLR1C;RRP36;TMEM63B;AARS2;DNPH1	-0.57157	-4.9431	1.82E-06	0.00796
ENSG00000242941;ENSG00000258623;ENSG00000259038;EXD2;RAD51B;ENSG00000258957;DCAF5	-0.77057	-4.94443	1.81E-06	0.00796
ZC2HC1C;ENSG00000259319;IFT43;TTLL5;ISCA2;ACYP1;FCF1	-0.41552	-4.94065	1.85E-06	0.007966
CDRT1;MPRIP;UBB;TRIM16;TEKT3;ADORA2B;ENSG00000251537	-0.64622	-4.93411	1.90E-06	0.008063
	0.419867	4.933505	1.91E-06	0.008063
TTC8;EFCAB11;ENSG00000258752;CALM1;ENSG00000258699;TDP1;EML5;TTC7B	-0.5673	-4.92951	1.94E-06	0.008128
	0.451283	4.922616	2.00E-06	0.008221
UBL3	-0.94575	-4.91842	2.04E-06	0.008297
	-0.61868	-4.92373	1.99E-06	0.008221
ENSG00000188242;TPPP;SLC9A3	-1.11343	-4.90904	2.13E-06	0.008491
	0.426098	4.912167	2.10E-06	0.008452
CYTH3;FOXK1;EIF2AK1;RNF216;RSPH10B;FSCN1;TNRC18;RADIL;RAC1	-0.63048	-4.90574	2.16E-06	0.008503
CAPN8;CAPN2	-0.6555	-4.90157	2.20E-06	0.008539
	0.401263	4.90458	2.17E-06	0.008503
H19	-0.61654	-4.89837	2.23E-06	0.008584
	0.708022	4.891845	2.30E-06	0.008602
	-0.41365	-4.89275	2.29E-06	0.008602
	0.708854	4.895488	2.26E-06	0.008602
	0.327573	4.889958	2.31E-06	0.008602
ENSG00000234546;SPSB1;TMEM201;SLC45A1;H6PD	-0.82003	-4.88337	2.38E-06	0.008782
	-0.6831	-4.86832	2.55E-06	0.009226
C1orf21;NCF2;SMG7;COLGALT2	-0.79571	-4.86564	2.58E-06	0.009226
ZNF506;ZNF90;GDF15;TSSK6;ISYNA1	-0.54776	-4.86288	2.61E-06	0.009226
KEL;EPHA1-AS1;FAM115C;MGAM	-0.59017	-4.86277	2.61E-06	0.009226
SMIM22;CORO7;C16orf71;GLYR1;CDIP1	-0.44453	-4.86595	2.58E-06	0.009226
SAMHD1;KIAA1755;VSTM2L;MYL9	-0.50527	-4.85737	2.68E-06	0.009296
TPPP;NDUFS6;NKD2;AHRR;PDCD6;CLPTM1L;MRPL36	-1.34382	-4.85265	2.73E-06	0.009416
ENSG00000206113;ENSG00000248399;SH3BP2;ENSG00000249428;FGFR3	-0.5709	-4.85848	2.66E-06	0.009296
SYNPO2L;MRPS16	0.525704	4.849395	2.77E-06	0.009476
	-0.50588	-4.84632	2.81E-06	0.00953
ZNF506	-0.38631	-4.8386	2.91E-06	0.009707
FENDRR;FOXF1;KIAA0513;FOXL1;CRISPLD2;USP10;C16orf74;FAM92B;ENSG00000262601;MTHFSD	-0.37246	-4.84421	2.84E-06	0.009544
SFXN3;ABCC2	0.522968	4.825139	3.09E-06	0.010027

	-0.30943	-4.82906	3.03E-06	0.010027
COG7;ENSG00000260136	-0.86618	-4.82232	3.12E-06	0.010027
DAXX;BAK1	0.373065	4.819866	3.16E-06	0.010027
	0.356727	4.819678	3.16E-06	0.010027
LZTFL1;SLC6A20;CDCP1;CLEC3B;PTH1R	-0.66531	-4.82065	3.15E-06	0.010027
ITGB7;KRT4	-0.40417	-4.81919	3.17E-06	0.010027
LRRC59;COL1A1;UTP18;EPN3;SGCA;SAMD14;ENSG00000248954	-0.7387	-4.81275	3.26E-06	0.01024
IL27RA	0.645632	4.809027	3.31E-06	0.010315
	0.601796	4.806155	3.35E-06	0.010315
	0.501561	4.804492	3.38E-06	0.010316
COBL;GRB10;ENSG00000228204	-0.52475	-4.80238	3.41E-06	0.010339
TAX1BP1;HOXA3;HIBADH;HOXA5;HOXA-AS2;HOXA2	-0.69033	-4.80642	3.35E-06	0.010315
DNAAF1;FAM92B;ATP2C2;KIAA0513;CRISPLD2;ENSG00000260228;HSDL1;MBTPS1	-0.9388	-4.79425	3.53E-06	0.01064
LATS2	0.577178	4.788986	3.62E-06	0.010812
MCAT;PACSIN2;BIK;TTLL1;PARVB;ARFGAP3;EFCAB6-AS1	-0.57257	-4.78296	3.71E-06	0.011025
RBM38;PMEPA1	-0.46716	-4.77844	3.79E-06	0.011142
PIGR	-0.42965	-4.77741	3.81E-06	0.011142
HILPDA;LRRC4;RBM28	-0.80652	-4.7757	3.83E-06	0.011149
LZTFL1;EXOSC7;FYCO1;ALS2CL;LRRC2	-0.6307	-4.77172	3.90E-06	0.011193
B3GNT3;OCEL1;NR2F6;SLC27A1;C19orf44;FCHO1;PGLS	-0.51221	-4.7721	3.90E-06	0.011193
CHD7	-0.45907	-4.76846	3.96E-06	0.011279
ZNF165;GABBR1;PGBD1;ENSG00000272009;HLA-F	-0.58674	-4.76568	4.01E-06	0.011341
B3GNT3;UPF1;KXD1	0.4294	4.762769	4.06E-06	0.011398
	-0.55656	-4.76152	4.08E-06	0.011398
SMIM5;RNF157-AS1;WBP2	-0.36407	-4.75551	4.19E-06	0.011626
PEAR1;SH2D2A;SYT11;NES;RAB25;FCRL5;MEF2D;TMEM79	-0.43175	-4.75249	4.24E-06	0.01169
NRROS;BDH1;SLC51A;MUC4;MUC20;PCYT1A	-0.63297	-4.75105	4.27E-06	0.01169
	-0.38048	-4.74709	4.35E-06	0.01169
TIMP2;C1QTNF1;USP36;ENSG00000267506;ENSG00000178404;ENSG00000267491	-1.05509	-4.74865	4.32E-06	0.01169
SCAMP4;GNA11;ZNF57	-0.80009	-4.74694	4.35E-06	0.01169
ARHGEF10	-0.64113	-4.73686	4.54E-06	0.012013
CPXM2;LHPP;CTBP2;CHST15	-0.79864	-4.73617	4.56E-06	0.012013
ENSG00000247081	-0.46642	-4.7324	4.63E-06	0.012013
SUN1;PDGFA;HEATR2;FAM20C;PSMG3-AS1;PRKAR1B;ENSG00000242474;ELFN1;CYP2W1;GPR146;PSMG3	-0.34001	-4.73306	4.62E-06	0.012013
TMCO3;CDC16;ADPRHL1;TMEM255B;RASA3;DCUN1D2	-0.62181	-4.73218	4.64E-06	0.012013
RAB3IP;CPSF6;LYZ	-0.69253	-4.73525	4.58E-06	0.012013
	0.358241	4.726434	4.75E-06	0.012097
BCL9	0.406323	4.721952	4.85E-06	0.012119
	0.49872	4.72281	4.83E-06	0.012119
AP3M2	-0.66021	-4.72727	4.74E-06	0.012097

TMCO3;ADPRHL1;GAS6;TMEM255B;F10;TUBGCP3;DCUN1D2	-0.71366	-4.72799	4.72E-06	0.012097
ZNF214;CNGA4;TIMM10B;ARFIP2;TRIM3;APBB1;NLRP14;DCHS1;TRIM5;HPX;DNHD1;RRP8;UBQLNL;SMPD1;ENSG00000224295;UBQLN3;ILK	-0.52252	-4.72227	4.84E-06	0.012119
	0.541305	4.718521	4.92E-06	0.012124
CCDC64;DYNLL1;DYNLL1-AS1;CCDC60;RNF10;P2RX7;MLEC;SRSF9;COX6A1	-0.50693	-4.71973	4.90E-06	0.012124
HEATR2;PSMG3-AS1;SUN1;PDGFA;FAM20C;ENSG00000242474;MAD1L1;ELFN1;ENSG00000249852;PRKAR1B;PSMG3	-1.10334	-4.71786	4.94E-06	0.012124
SMOC2	-0.70702	-4.71221	5.06E-06	0.012215
	-0.48967	-4.71268	5.05E-06	0.012215
	0.454605	4.710611	5.09E-06	0.012231
CREB3L4;ATP8B2;NPR1;JTB;DENND4B;INTS3	-0.55044	-4.70823	5.15E-06	0.012288
	0.862846	4.716515	4.96E-06	0.012125
TAMM41	0.577919	4.702632	5.27E-06	0.012521
	0.300048	4.699738	5.34E-06	0.012548
TNKS;ENSG00000254153;ERI1;ENSG00000182319;ENSG00000233609	-0.5844	-4.6982	5.37E-06	0.012554
RASA3;PCID2;CDC16;TMCO3;GAS6	-0.33659	-4.69319	5.49E-06	0.01267
FBXL2;ENSG00000261572;CMTM6;UBP1;CRTAP;CMTM8	-0.43083	-4.69959	5.34E-06	0.012548
CCDC19;CADM3;IFI16;ENSG00000225670;DARC;PEA15	-0.57211	-4.6911	5.54E-06	0.01267
	-0.46412	-4.68674	5.65E-06	0.012774
	0.518889	4.683447	5.73E-06	0.012822
ZCCHC24;ZMIZ1	-0.36962	-4.68896	5.59E-06	0.012719
FENDRR;FAM92B;C16orf74;FOXF1;FOXL1;MTHFSD;KIAA0513;CRISPLD2;USP10;ENSG00000262601	-0.34206	-4.6922	5.52E-06	0.01267
APPL2;C12orf75;TCP11L2;TXNRD1;NUAK1;CHST11;ENSG00000257438	-0.59335	-4.69242	5.51E-06	0.01267
FNDC5;MTMR9LP;SERINC2;ZBTB8A;TMEM39B;RNF19B;COL16A1	0.377948	4.679116	5.84E-06	0.012996
GTF3C6;DDO;SMPD2	-0.45028	-4.67671	5.90E-06	0.013064
	0.487384	4.674956	5.94E-06	0.013095
LRRC27;TUBGCP2;TTC40;KNDC1;BNIP3;FUOM;PWWP2B;STK32C;INPP5A	-0.77319	-4.68449	5.70E-06	0.012822
PLEKHS1;CASP7;ADRB1;DCLRE1A;ENSG00000234393	-0.71196	-4.67007	6.07E-06	0.013238
	0.454215	4.671027	6.05E-06	0.013238
	0.479615	4.666144	6.17E-06	0.013328
	0.496961	4.666198	6.17E-06	0.013328
TJP3	-1.17762	-4.66164	6.29E-06	0.013342
WWC1;TENM2;SLIT3;ENSG00000248222;FOXI1;SPDL1	-0.6255	-4.66444	6.22E-06	0.013342
ENSG00000255308;ENSG00000255160;E2F8;NAV2;CSRP3;NAV2-AS5;NAV2-AS4;NAV2-IT1	-0.67063	-4.66125	6.31E-06	0.013342
CALM1;RPS6KA5;GPR68;TC2N;CCDC88C;ENSG00000260711;NDUFB1	-0.38412	-4.66265	6.27E-06	0.013342
ZNF662;FAM198A;ABHD5;ZBTB47;RN7SL517P;HIGD1A	0.45963	4.652875	6.54E-06	0.013764

GALNT16;ENSG00000242941;ENSG00000245466;COX16;KIAA0247;ENSG00000258623	-0.52834	-4.64587	6.74E-06	0.013979
SEC14L1;FOXJ1;RNF157-AS1;ST6GALNAC2;ENSG00000267506;UBALD2;SNHG16	-0.62522	-4.64739	6.69E-06	0.013956
	-0.64192	-4.64352	6.81E-06	0.014053
	0.395081	4.651263	6.58E-06	0.013792
	0.495244	4.638032	6.97E-06	0.014177
	0.443687	4.639988	6.91E-06	0.014177
SSBP4;LINC00663;ZNF506;HOMER3;PBX4;LSM4;COMP;RAB3A;NR2C2AP	-0.69321	-4.63631	7.02E-06	0.014177
TCF21;EYA4;SGK1	-0.99145	-4.63171	7.16E-06	0.014177
ENSG00000261924;CBX8	-0.48791	-4.6345	7.07E-06	0.014177
TNRC6C-AS1;TMC8	-0.49811	-4.63488	7.06E-06	0.014177
CPEB4;ERGIC1	-0.60169	-4.63287	7.12E-06	0.014177
	-0.62146	-4.63013	7.21E-06	0.014177
UNC79;FAM181A-AS1;C14orf142;ATXN3;ASB2;MOAP1;FBLN5;PRIMA1	-0.63861	-4.63443	7.08E-06	0.014177
KIAA1755;TGIF2	0.470966	4.626376	7.33E-06	0.014177
	0.351231	4.626794	7.31E-06	0.014177
	0.465392	4.62622	7.33E-06	0.014177
ULK4;CCDC13;CCDC13-AS1;HHATL-AS1;ZBTB47;POMGNT2;HHATL;SEC22C;FAM198A;ZNF662	-0.64211	-4.62885	7.25E-06	0.014177
HCAR3	-0.60583	-4.62761	7.29E-06	0.014177
ZNF780B	0.370944	4.621093	7.49E-06	0.014301
DNAH6;LDHAP7;TRABD2A;GGCX;DUXAP1;MAT2A;VAMP8;TCF7L1;VAMP5;ST3GAL5;ENSG00000246575;ATOH8	-0.60414	-4.62511	7.37E-06	0.014181
NAP1L4;CARS;ENSG00000255367	-0.77593	-4.62009	7.53E-06	0.014301
ZHX2;FAM83A;TBC1D31	-0.69099	-4.61972	7.54E-06	0.014301
	0.588549	4.618969	7.56E-06	0.014301
	-0.43385	-4.61536	7.68E-06	0.014396
SLC35C1;PRDM11;ALX4	0.435558	4.612939	7.76E-06	0.014425
SEC14L1;RNF157-AS1;SPHK1;TNRC6C;FOXJ1;UBALD2;ENSG00000267506;ST6GALNAC1;ST6GALNAC2;PRPSAP1;SNHG16	-0.78684	-4.61536	7.68E-06	0.014396
ALDH18A1;HELLS;CYP2C8	-0.6874	-4.61285	7.76E-06	0.014425
IL5RA;LRRN1	-0.54594	-4.60658	7.97E-06	0.014675
RNF212;ZNF876P;FGFR3;ZNF732;ENSG00000273179;PDE6B;ENSG00000251188	-0.47197	-4.60577	8.00E-06	0.014675
TTC28;TTC28-AS1	-0.22126	-4.60331	8.09E-06	0.014675
DDO	-0.48466	-4.6027	8.11E-06	0.014675
	0.268823	4.602965	8.10E-06	0.014675
TEKT3	-0.5924	-4.60319	8.09E-06	0.014675
	0.392092	4.598585	8.25E-06	0.014726
TMEM45B;ARHGAP32;ENSG00000255455;ENSG00000175773;BARX2	-0.80158	-4.60082	8.17E-06	0.014675

KCNC4;GSTM5;ATXN7L2;GSTM3;C1orf194;CSF1;LAMTOR5-AS1;STRIP1;CELSR2;WDR47;SORT1;GSTM4;PSMA5;ENSG00000258634;GPSM2;LAMTOR5;CLCC1;SCARNA2;SYPL2;KCNA2;PSRC1;SARS;AMIGO1	-0.59311	-4.60101	8.16E-06	0.014675
TET1;TSPAN15;COL13A1;STOX1;ENSG00000260400;HK1;TYSND1	-0.78579	-4.59806	8.27E-06	0.014726
TGFB3;ZC2HC1C;IFT43;LTBP2;TTLL5;ISCA2;AREL1;MLH3;PGF;FCF1;C14orf1;ENSG00000259319	-0.54367	-4.59431	8.40E-06	0.014901
	0.505131	4.592272	8.48E-06	0.014908
SLC37A1;TMPRSS2;TFF3;RSPH1;TMPRSS3;LINC00111;LINC00479;ENSG00000235772;TFF1;C21orf128;ENSG00000225431;ENSG00000237989;PDE9A;ABCG1	-0.62921	-4.59299	8.45E-06	0.014908
TTC21A;MOBP;SCN11A;XYLB;ENTPD3-AS1;SCN5A;GORASP1;EXOG	-0.59636	-4.58762	8.65E-06	0.015021
HYDIN;ENSG00000262890;HAS3;ENSG00000260156;TANGO6;IL34;SNTB2;WWP2;NQO1;ST3GAL2;MTSS1L	-0.66663	-4.58838	8.62E-06	0.015021
ADAMTS2;COL23A1;PDLIM7;ZNF354C	0.403906	4.588685	8.61E-06	0.015021
	-0.42474	-4.58598	8.71E-06	0.015065
CLINT1	0.447515	4.584466	8.76E-06	0.015101
ATF7IP2	-0.34845	-4.57587	9.09E-06	0.015601
ADAMTSL2;SARDH;GBGT1;MED22;ABO	-0.53241	-4.5717	9.25E-06	0.015816
ENSG00000238120;NUP50;ENSG00000226328	-0.44602	-4.56738	9.42E-06	0.015939
	0.418285	4.565526	9.50E-06	0.015939
ERG	-0.69064	-4.56578	9.49E-06	0.015939
COL13A1;PALD1	0.450717	4.566826	9.44E-06	0.015939
MYCL;MFSD2A	0.582352	4.564309	9.55E-06	0.015939
NOTCH1;EGFL7	0.63576	4.564671	9.53E-06	0.015939
ENSG00000251364	0.587275	4.560748	9.69E-06	0.016016
	0.444271	4.562755	9.61E-06	0.015982
ENSG00000255308;ENSG00000255160;E2F8;NAV2-AS5	-0.58887	-4.55907	9.76E-06	0.016016
	0.692509	4.558121	9.80E-06	0.016016
	0.419936	4.557927	9.81E-06	0.016016
TRERF1;ENSG00000231113;DNPH1;PEX6	-0.48486	-4.55682	9.85E-06	0.016016
	0.388379	4.556842	9.85E-06	0.016016
SMAD9;DCLK1;NBEA	0.493237	4.5554	9.91E-06	0.016033
C7orf57;ABCA13	-0.58614	-4.55478	9.94E-06	0.016033
TMEM45B;ARHGAP32;BARX2;SNX19;ENSG00000272412	-0.71539	-4.54995	1.01E-05	0.016085
CCDC30;TMEM125;WDR65;FAM183A;RIMKLA;ENSG00000236180;ZMYND12;KDM4A;TIE1;EBNA1BP2;ENSG00000230116;TMSB4XP1;LEPRE1;ARTN;ST3GAL3;MPL;PTPRF;HIVEP3;C1orf210	-0.56676	-4.55323	1.00E-05	0.016078
	0.325067	4.547297	1.03E-05	0.016117
SKI;FAM41C;MXRA8;SAMD11;SSU72;VWA1;RER1;ENSG00000223764	0.398338	4.548735	1.02E-05	0.016085
	-0.36997	-4.55123	1.01E-05	0.016085
CSNK1A1	-0.36504	-4.54562	1.03E-05	0.01612

	-0.28646	-4.54652	1.03E-05	0.016117
HGD;MAATS1;GPR156;GOLGB1;POLQ;FBXO40;STXBP5L;FSTL1	-0.61889	-4.5489	1.02E-05	0.016085
ROPN1B;HEG1;ALG1L;FAM86JP	-0.61724	-4.54899	1.02E-05	0.016085
DNAJC16	0.471012	4.53943	1.06E-05	0.016428
GLTSCR1L;C6orf132;ENSG00000261068;FRS3;TRERF1	-0.67748	-4.54234	1.05E-05	0.016286
ENSG00000206113;ENSG00000248399;ENSG00000249428;SH3BP2;ENSG00000243894;FAM86EP;NOP14	-0.61694	-4.53502	1.08E-05	0.016616
	0.468965	4.530868	1.10E-05	0.01679
	0.341999	4.538041	1.07E-05	0.016465
FXYD3;KIAA0355;CLIP3;ZNF792;WTIP;ZNF30;SCN1B;COX6B1;ENSG00000267767	-0.39471	-4.53369	1.09E-05	0.01665
	0.573496	4.526641	1.12E-05	0.016895
NEK1;RPL9P16;CLCN3;SH3RF1	-0.61766	-4.52864	1.11E-05	0.016829
MFNG;SH3BP1;SUN2;PDGFB;ANKRD54;RAC2;CYTH4;CBY1;FAM227A	-0.76101	-4.52466	1.13E-05	0.016895
TMPRSS2;SLC37A1;TMPRSS3;RSPH1	-0.55575	-4.5253	1.13E-05	0.016895
TNFRSF10D;TNFRSF10B;TNFRSF10A;SLC25A37;NKX3-1;BIN3;ENSG00000246582;RHOBTB2	-0.68587	-4.52877	1.11E-05	0.016829
IL10RB;URB1;SYNJ1;C21orf119	-0.50123	-4.52436	1.13E-05	0.016895
	-0.57804	-4.52092	1.15E-05	0.017024
C14orf79;ADSSL1;INF2	-0.85905	-4.52189	1.14E-05	0.017013
	0.458192	4.517504	1.16E-05	0.017128
FUOM;ECHS1;SPRN	-0.89363	-4.51701	1.17E-05	0.017128
TSPAN4;LRRC56;MRPL23;DEAF1;ENSG00000251661;IFITM3;MOB2;MUC5AC;IFITM1;ATHL1;TALDO1;B4GALNT4;RASSF7;ENSG00000250397;CD151;IGF2	-0.62023	-4.51544	1.17E-05	0.017183
PMEPA1;RBM38;TFAP2C	-0.46589	-4.51732	1.16E-05	0.017128
	0.555207	4.512461	1.19E-05	0.01734
EPHA4	-0.64725	-4.50988	1.20E-05	0.01747
CLMN;ASB2;UNC79	-0.67943	-4.50802	1.21E-05	0.017489
KIF3B;BPIFB1;CBFA2T2;BPIFB2;SNTA1	-0.52386	-4.50886	1.21E-05	0.017486
	-0.40953	-4.50649	1.22E-05	0.017542
MVP;QPRT;TUFM;TMEM219	-0.6804	-4.50262	1.24E-05	0.017652
PDZD2;ENSG00000272086	-0.75868	-4.50287	1.24E-05	0.017652
	0.347078	4.503758	1.23E-05	0.017652
ENSG00000272054	-0.46824	-4.49897	1.26E-05	0.017755
	-1.11492	-4.49887	1.26E-05	0.017755
FGFR4	-0.56121	-4.49321	1.29E-05	0.01794
GMPR	-0.58523	-4.50087	1.25E-05	0.017723
IL8	-0.5584	-4.49175	1.30E-05	0.01794
	-0.41126	-4.4931	1.29E-05	0.01794
PADI2;PADI3	-0.71737	-4.4916	1.30E-05	0.01794
	0.416295	4.492265	1.29E-05	0.01794
DYNC2LI1	-0.7	-4.49019	1.31E-05	0.01794

TRIP6;EPHB4;ZKSCAN1;MCM7;ZCWPW1;KPNA7;ZNF3;GAL3ST4;STAG3;AZGP1;ZNF655;PILRA;AP4M1;ACHE;ENSG00000239521;PCOLCE;PVRIG;AGFG2;BUD31;ZSCAN25;CPSF4;TFR2;SRRT	-0.59936	-4.49651	1.27E-05	0.017873
PODNL1;NFIX;STX10	-0.51458	-4.49065	1.30E-05	0.01794
DHRS4-AS1;EFS;ADCY4	-0.3296	-4.48546	1.33E-05	0.018241
ZNF688;TGFB1I1;C16orf93;CLUHP3;ZNF267;PHKG2;PRR14	-0.62848	-4.48175	1.35E-05	0.018252
ENSG00000227502	0.730698	4.480208	1.36E-05	0.018252
	0.412172	4.480788	1.36E-05	0.018252
HOXB1	-0.32154	-4.47976	1.36E-05	0.018252
	0.603842	4.480387	1.36E-05	0.018252
CCL2;LIG3	-0.39129	-4.47955	1.36E-05	0.018252
	0.355737	4.47706	1.38E-05	0.018252
TMPRSS3;SLC37A1;RSPH1;LINC00111;C21orf128;TMPRSS2;ENSG00000225431;TFF3;ENSG00000235772;ZNF295-AS1;UMODL1;LINC00479;ABCG1;ENSG00000237989;TFF1;PDE9A;PRDM15	-0.44094	-4.4808	1.36E-05	0.018252
COMMD7;HCK;CCM2L;HM13	-0.39972	-4.47751	1.38E-05	0.018252
PPARGC1B;HMGXB3;ARHGEF37;PDGFRB;TCOF1;ABLIM3	-0.57341	-4.47919	1.37E-05	0.018252
LIMD2;CD79B;DDX42;ENSG00000264954	-0.53379	-4.47788	1.37E-05	0.018252
HMGN2;STX12;NUDC	-0.31178	-4.47547	1.39E-05	0.018317
CPNE5;PI16;PPIL1;TBC1D22B;CDKN1A;FGD2;RNF8	-0.60145	-4.47258	1.41E-05	0.018426
TMC8;TNRC6C-AS1	-0.68	-4.46799	1.43E-05	0.018557
	0.340638	4.473017	1.40E-05	0.018426
ENSG00000267002;GJC1;GFAP;FZD2;MPP2;MEOX1;NAGS;BRCA1;NMT1;ETV4;GPATCH8;MPP3;ENSG00000267595;UBTF	-0.59508	-4.4703	1.42E-05	0.018489
HMGB1P29;LINC01170	-0.73478	-4.47132	1.41E-05	0.018467
ALOX15;CXCL16;NUP88;SHPK	-0.54509	-4.46725	1.44E-05	0.018557
ZCCHC24;PPIF;TMEM254;ZMIZ1	-0.63194	-4.46775	1.43E-05	0.018557
FUT2;TEAD2;RASIP1	0.49019	4.466512	1.44E-05	0.018558
	0.465501	4.465462	1.45E-05	0.018584
ITGB2-AS1	-0.58981	-4.46027	1.48E-05	0.018822
R3HDM4;FSTL3;MISP;PPAP2C;PALM;GAMT;ADAMTSL5;CFD;TCF3;MIDN;GRIN3B;GPX4	-0.51522	-4.46086	1.48E-05	0.018822
F10;GRTP1;TMEM255B	-0.85972	-4.45876	1.49E-05	0.018885
IRAK2;SRGAP3-AS2;ENSG00000206567;PRRT3;OGG1;RPUSD3;TATDN2;CAMK1	-0.46711	-4.46071	1.48E-05	0.018822
	-0.73627	-4.45332	1.52E-05	0.019172
	-0.67903	-4.45193	1.53E-05	0.019172
	-0.43625	-4.45422	1.52E-05	0.019172
KIAA1549;ATP6V0A4;SVOPL;TMEM213;DGKI	-0.74092	-4.45261	1.53E-05	0.019172
	0.467101	4.449157	1.55E-05	0.019172
KIAA1244;ENSG00000237499;MAP3K5;PBOV1;IL20RA;TNFAIP3;NHSL1;HEBP2;ENSG00000220412;PEX7	-0.61587	-4.45031	1.54E-05	0.019172

KIAA0556;NSMCE1;KDM8;IL4R;GTF3C1;NPIPB6;ENSG00000245888;SBK1;ENSG00000261329	-0.93135	-4.44942	1.55E-05	0.019172
	0.432827	4.448826	1.55E-05	0.019172
HILPDA	-0.35304	-4.44997	1.54E-05	0.019172
SH3BP4	-0.52858	-4.4448	1.58E-05	0.019219
	-0.29496	-4.44646	1.57E-05	0.019202
ENSG00000233607;TES	0.364557	4.445696	1.57E-05	0.019202
LRCH1	-0.49157	-4.44262	1.59E-05	0.01934
	0.290504	4.445769	1.57E-05	0.019202
SHC4	-0.53492	-4.44599	1.57E-05	0.019202
	0.33296	4.440294	1.61E-05	0.019359
CNNM2;SH3PXD2A;ARL3;LDB1;C10orf95;NFKB2;CALHM2;C10orf32;PPRC1;GBF1;TRIM8	-0.6722	-4.44002	1.61E-05	0.019359
	-0.45463	-4.43966	1.61E-05	0.019359
CROCC	-0.29254	-4.43972	1.61E-05	0.019359
HYDIN;WWP2;ENSG00000262890;HAS3;TANGO6;SNTB2;IL34;ENSG00000260156;DDX19A	-0.53083	-4.43629	1.64E-05	0.019564
	-0.39544	-4.43556	1.64E-05	0.019564
	0.539882	4.435119	1.64E-05	0.019564
	-0.57815	-4.43343	1.65E-05	0.019647
LCNL1;PTGDS;CAMSAP1;UAP1L1;GPSM1;EGFL7;C9orf139;C9orf169	-0.33472	-4.43235	1.66E-05	0.019681
	0.381229	4.429743	1.68E-05	0.019786
	0.256617	4.430781	1.67E-05	0.019755
	0.336574	4.426662	1.70E-05	0.019876
	-0.37093	-4.42684	1.70E-05	0.019876
PELI3;CTSF;YIF1A;ENSG00000254510;ACY3;CD248;UNC93B1;CDK2AP2	-0.54465	-4.42096	1.74E-05	0.020222
PTPRS	0.337822	4.418593	1.76E-05	0.020222
HES2;THAP3;CAMTA1;ESPN	-0.3914	-4.41968	1.75E-05	0.020222
	-0.28625	-4.42783	1.69E-05	0.019876
	-0.25614	-4.42094	1.74E-05	0.020222
SYCP2L;TMEM14B	-0.52496	-4.41892	1.76E-05	0.020222
	0.335194	4.417707	1.77E-05	0.020242
TPGS2;ZNF396;GALNT1;MOCOS	-0.6098	-4.4198	1.75E-05	0.020222
H2AFY;TIFAB;CXCL14	-0.48059	-4.41462	1.79E-05	0.02034
ABI3	-0.38559	-4.41632	1.78E-05	0.020256
	0.653665	4.41342	1.80E-05	0.020342
CAPN2;DISP1;CAPN8	-0.40321	-4.41203	1.81E-05	0.020342
SDK2;TTYH2;SSTR2;RAB37;DNAI2;COG1;KIF19;SLC9A3R1;SLC39A11	-0.57828	-4.41625	1.78E-05	0.020256
SH3PXD2A;ARL3;CNNM2;LDB1;C10orf32;C10orf95;NFKB2;CALHM2;TRIM8;PPRC1;KCNIP2;WBP1L	-0.77772	-4.41234	1.81E-05	0.020342
SERINC5;RASGRF2;MSH3;ZFYVE16;FAM151B	-0.58875	-4.4122	1.81E-05	0.020342
UNC13D;PRPSAP1;GALK1;HN1;ST6GALNAC1;CASKIN2;SLC9A3R1;FDXR;ATP5H;ICT1;TRIM65;MYO15B;MXRA7;SPHK1;ST6GALNAC2;CYGB;SMIM6	-0.60442	-4.40851	1.84E-05	0.020491

WFDC1;KIAA0513;ATP2C2;C16orf74;USP10;ENSG00000262601				
;DNAAF1	-1.10014	-4.40775	1.84E-05	0.020491
LRRC2;CDCP1;CLEC3B	-0.44348	-4.40925	1.83E-05	0.020491
ARID4A	-0.47882	-4.40825	1.84E-05	0.020491
ATP6V1G1	0.643818	4.405116	1.86E-05	0.020662
SLC9A3	0.571072	4.403793	1.87E-05	0.020722
NKD2;TPPP;TRIP13;ZDHHC11B	0.426515	4.401953	1.89E-05	0.02082
	-0.52615	-4.39964	1.90E-05	0.02082
	0.263206	4.399593	1.90E-05	0.02082
CARF	0.489017	4.399634	1.90E-05	0.02082
SLC29A3;UNC5B;PALD1	-0.46428	-4.39888	1.91E-05	0.02082
HN1L;PRSS22	0.495181	4.398519	1.91E-05	0.02082
	-0.39099	-4.3983	1.91E-05	0.02082
	0.283407	4.39753	1.92E-05	0.020834
ZNF165;GABBR1;HCG14;PGBD1;ZSCAN12P1;ZSCAN12;ENSG00				
000272009;MICE;ENSG00000197062	-0.75644	-4.39378	1.95E-05	0.021052
PINK1	-0.52125	-4.39558	1.94E-05	0.02095
	0.426129	4.390809	1.97E-05	0.021152
	-0.63613	-4.38996	1.98E-05	0.021173
C2orf81;LOXL3;INO80B;HMGA1P8;ENSG00000234521;WDR54	0.437494	4.391828	1.97E-05	0.021116
SEMA6D	-0.42266	-4.38759	2.00E-05	0.021183
	-0.26894	-4.38851	1.99E-05	0.021183
	-1.17478	-4.39263	1.96E-05	0.021099
TLCD1;TRAF4	-0.50099	-4.3854	2.02E-05	0.021309
	-0.43833	-4.38403	2.03E-05	0.021325
NLRC5;MT1E;CIAPIN1	-0.40037	-4.38428	2.03E-05	0.021325
	-0.5182	-4.38809	2.00E-05	0.021183
SKAP1;NPEPPS;ENSG00000235300;TBKBP1;HOXB4;PRR15L	-0.49677	-4.38163	2.05E-05	0.021485
	0.386199	4.379434	2.07E-05	0.021522
ANKRD66;GPR111;CYP39A1;ENSG00000226594;ENSG0000023				
6164;CD2AP	-0.6717	-4.38744	2.00E-05	0.021183
	0.374243	4.38079	2.06E-05	0.021506
RARA	-0.61235	-4.37965	2.07E-05	0.021522
MARS;PIP4K2C;RDH16;AVIL	0.251973	4.377563	2.09E-05	0.021636
	-0.38205	-4.37352	2.12E-05	0.021893
	0.247374	4.375501	2.10E-05	0.021768
CERK;PPARA	-0.63504	-4.3699	2.15E-05	0.022115
	0.510609	4.371153	2.14E-05	0.022054
LY86	-0.42283	-4.369	2.16E-05	0.022144
	-0.44949	-4.36718	2.18E-05	0.022177
NID2	0.49211	4.366896	2.18E-05	0.022177
C16orf71;CORO7;SMIM22;GLYR1;CDIP1;C16orf89;ENSG00000				
266994	-0.5671	-4.3676	2.17E-05	0.022177
	0.321485	4.364879	2.20E-05	0.022203
DGKE;MSI2;C17orf67;VEZF1;MRPS23	-0.45385	-4.36318	2.21E-05	0.022293

SHANK2;SHANK2-AS1;CTTN;SHANK2-AS2;SHANK2-AS3	0.648774	4.365192	2.19E-05	0.022203
TRAF3IP1;TWIST2;ENSG00000232306;ILKAP	-0.5861	-4.36564	2.19E-05	0.022203
	-0.42905	-4.35957	2.25E-05	0.022325
ERG;TTC3;PIGP;DSCR3	-0.51923	-4.36139	2.23E-05	0.022325
LRG1;RFX2;FUT6;FUT3;TNFAIP8L1;PTPRS;HSD11B1L;CATSPERD;				
SEMA6B;PLIN3;CAPS	0.346795	4.358781	2.25E-05	0.022325
MSL1;RARA	-0.42989	-4.35873	2.25E-05	0.022325
SLC16A10;ENSG00000237234;LAMA4;ENSG00000270661;ENS				
G00000271208;ENSG00000226440;FAM229B	-0.48637	-4.35958	2.25E-05	0.022325
PTAFR;ATPIF1;ENSG00000270605;TMEM200B;FGR;EPB41;TRN				
AU1AP;MED18	-0.57989	-4.35795	2.26E-05	0.022325
HLA-A	-0.54152	-4.35889	2.25E-05	0.022325
FOXQ1;FOXF2;MYLK4;FOXC1	-0.74396	-4.36275	2.22E-05	0.022293
	0.472057	4.356825	2.27E-05	0.022369
SYTL3;DYNLT1	-0.41575	-4.35787	2.26E-05	0.022325
THEM4;BNIPL;CGN;S100A11;SEMA6C;SELENBP1;PSMD4;HRNR	0.707436	4.355335	2.29E-05	0.022454
TMCO3;ADPRHL1	-0.5016	-4.35384	2.30E-05	0.022541
CYS1;KLF11	0.674438	4.350055	2.34E-05	0.022739
	-3.01372	-4.34992	2.34E-05	0.022739
	-0.66539	-4.34612	2.37E-05	0.022951
SPATA33;GAS8;ENSG00000260259;GALNS;SPIRE2;C16orf3;ANK				
RD11;URAHP;ENSG00000261574;CBFA2T3;ZNF778	-0.62948	-4.35028	2.33E-05	0.022739
	0.343352	4.346903	2.37E-05	0.022929
GAREML;KCNK3;EMILIN1;KHK;C2orf70;RBKS;MAPRE3;AGBL5;IF				
T172;DRC1;FNDC4;GPR113;CAD;SUPT7L;CCDC121;PPM1G;ENS				
G00000205500	-0.48375	-4.34948	2.34E-05	0.022739
LINC00861	-0.66399	-4.34382	2.40E-05	0.022956
GRASP;ENSG00000257475;TENC1;SPRYD3;ENSG00000257337	0.270176	4.344901	2.39E-05	0.022956
	0.531956	4.345504	2.38E-05	0.022956
	0.427553	4.341797	2.42E-05	0.022956
	0.389828	4.341072	2.42E-05	0.022956
ADAM33;SLC4A11;HSPA12B;CDC25B;CPXM1;ZNF343;PANK2;S				
PEF1	-0.32853	-4.34258	2.41E-05	0.022956
PITPNM1	-0.42024	-4.34275	2.41E-05	0.022956
	-0.33268	-4.34025	2.43E-05	0.022956
	-0.39871	-4.34006	2.43E-05	0.022956
SSC5D;PTPRH;SYT5;PPP6R1;PPP1R12C;EPS8L1;HSPBP1	-0.49159	-4.3363	2.47E-05	0.023109
	0.536985	4.338448	2.45E-05	0.023007
	0.362239	4.337392	2.46E-05	0.023056
	0.424432	4.340719	2.43E-05	0.022956
CRTAP;FBXL2;CCR4	-0.45223	-4.34007	2.43E-05	0.022956
SERPINH1;CAPN5;SLCO2B1	0.656487	4.338714	2.45E-05	0.023007
	0.551732	4.332946	2.50E-05	0.023225
SLC43A2;HIC1;PITPNA;ENSG00000263050;INPP5K;NXN	-0.49953	-4.33393	2.49E-05	0.023182
	0.597493	4.334112	2.49E-05	0.023182

ENSG00000249042;ZFYVE16;FAM151B;DMGDH;BHMT;MTX3;JMY;CMYA5	-0.63514	-4.33554	2.48E-05	0.02313
MLPH;HES6;COL6A3;TRAF3IP1;RAB17;IQCA1	-0.68274	-4.33109	2.52E-05	0.023351
C17orf58;KPNA2;PITPNC1	-0.67911	-4.32904	2.55E-05	0.023361
TMEM45B;SNX19;ENSG00000272412	0.344154	4.330528	2.53E-05	0.023354
TRAF3IP1;RAB17;COPS8;ILKAP;HES6;LINC01107;COL6A3;TWIST2;ASB1	-0.831	-4.32888	2.55E-05	0.023361
UNC79;PPP4R4;ASB2;C14orf142;PRIMA1;FAM181A-AS1;SERPINA6;ENSG00000258987;MOAP1;SERPINA10	-0.63836	-4.32658	2.57E-05	0.023527
KPNA3;KCNRG;TRIM13;SETDB2	-0.52859	-4.32927	2.54E-05	0.023361
C15orf54	0.266565	4.326098	2.58E-05	0.023527
DNAH17;ENSG00000178404;TMC8;C1QTNF1	-0.37188	-4.3238	2.60E-05	0.023649
	0.339768	4.322202	2.62E-05	0.023711
LRRC48;FBXW10;ENSG00000232344;MIEF2;MPRIP;ENSG00000226145;NT5M;ATPAF2;TRIM16L;ALKBH5;PLD6;TOM1L2;SREBF1;SHMT1;TVP23B;ENSG00000264177;RAI1;RASD1	-0.5277	-4.32507	2.59E-05	0.023576
LSP1;C11orf89;IGF2;TSPAN32;C11orf21;H19	-0.51156	-4.31888	2.65E-05	0.023975
	-0.42838	-4.32211	2.62E-05	0.023711
	0.306755	4.31638	2.68E-05	0.024046
MOK;HSP90AA1;WDR20;ENSG00000271417;MEG8;MEG3;DIO3OS;ENSG00000225746;TECPR2	-0.4346	-4.31692	2.67E-05	0.024046
STYXL1;CCDC146;HIP1;ENSG00000250990;POM121C;ENSG00000227038;MDH2;POR	-0.56353	-4.31543	2.69E-05	0.024046
	-0.5826	-4.31411	2.71E-05	0.024046
	0.521856	4.314046	2.71E-05	0.024046
BARX2;C11orf45	-0.54996	-4.31441	2.70E-05	0.024046
KAZN;ENSG00000228140;FHAD1	0.291382	4.314168	2.70E-05	0.024046
	-0.39907	-4.31281	2.72E-05	0.024067
RBFOX2;MB;IFT27;RASD2;MYH9;CARD10	-0.4682	-4.31296	2.72E-05	0.024067
	0.382892	4.314686	2.70E-05	0.024046
	0.453672	4.31018	2.75E-05	0.024153
	-0.34618	-4.30859	2.77E-05	0.024153
	-0.62766	-4.30805	2.77E-05	0.024153
BCL9	0.421258	4.307591	2.78E-05	0.024153
RABL2B;DENND6B;ODF3B;NCAPH2;TYMP;MAPK12	-0.46297	-4.30862	2.77E-05	0.024153
	0.258019	4.306415	2.79E-05	0.024153
SLC50A1;BCAN;MUC1;HCN3;RAB25;LAMTOR2	-0.40919	-4.30666	2.79E-05	0.024153
ENSG00000259901;ENSG00000259768	-0.49626	-4.30706	2.78E-05	0.024153
NSFL1C	-0.60333	-4.30405	2.82E-05	0.02433
PLXND1;RUVBL1;ENSG00000244300;COPG1;RPN1;GATA2;ENSG00000187695;FTH1P4	-0.3748	-4.31085	2.74E-05	0.024153
TMEM212	-0.45121	-4.30647	2.79E-05	0.024153
ALDH3B1;UNC93B1;ENSG00000255306;FAM86C2P;PITPNM1;MRGPRF;ENSG00000251637;ALG1L8P;ENSG00000254610;AIP;GSTP1;RPS6KB2;SUV420H1;RN7SKP239;MTL5;RAD9A;C11orf24;LRP5	-0.50613	-4.30751	2.78E-05	0.024153

	0.668153	4.303632	2.82E-05	0.02433
MYO7A	-0.58594	-4.3019	2.84E-05	0.024453
	-0.62626	-4.29968	2.87E-05	0.024625
	-0.64343	-4.29725	2.90E-05	0.024691
	0.537434	4.296982	2.90E-05	0.024691
PLEKHG7;ENSG00000257512;CCDC41;C12orf74;SOCS2;NUDT4; PLXNC1	-0.54331	-4.29911	2.88E-05	0.024633
C1orf110;OLFML2B;DDR2;C1orf226;ENSG00000230739;UAP1	0.409292	4.297875	2.89E-05	0.024691
	0.301497	4.296568	2.91E-05	0.024691
RAB20;ING1;ANKRD10	-0.60123	-4.29456	2.93E-05	0.024795
	-0.47312	-4.29182	2.96E-05	0.024925
OSBPL3;DFNA5;ENSG00000260951;C7orf31;MPP6	-0.47476	-4.2946	2.93E-05	0.024795
	0.387413	4.291956	2.96E-05	0.024925
RABL2A;ZC3H6;TTL;ENSG00000237753	-0.50289	-4.29405	2.94E-05	0.024797
CNTNAP1;STAT5B	-0.46881	-4.28774	3.01E-05	0.025242
	0.32924	4.290166	2.98E-05	0.025043
	0.364244	4.2862	3.03E-05	0.025301
TMEM45B;ARHGAP32;C11orf45;BARX2	-0.47886	-4.28642	3.03E-05	0.025301
	0.401098	4.282245	3.08E-05	0.025653
	0.362965	4.281838	3.08E-05	0.025653
RNF150;MGST2;H3F3AP6;ELMOD2;SCOC	-0.39089	-4.27826	3.13E-05	0.025877
	0.468488	4.279342	3.12E-05	0.025813
ICAM1;COL5A3;OLFM2;KRI1;RGL3;KANK2	-0.48433	-4.27967	3.11E-05	0.025813
CCDC60;SUDS3;CIT	-0.54285	-4.27503	3.17E-05	0.026066
DKK3;MICALCL;TEAD1;GALNT18;PARVA	-0.66814	-4.2769	3.15E-05	0.02592
NUCB2;NCR3LG1;ENSG00000260196;USH1C;SOX6;PLEKHA7	-0.57784	-4.27766	3.14E-05	0.025889
	-0.57726	-4.2737	3.19E-05	0.026129
	0.598567	4.271661	3.21E-05	0.026155
SIRPA;NSFL1C;SDCBP2;SLC4A11;SNPH;NOP56;TGM3	-0.50992	-4.27302	3.20E-05	0.026129
	0.377083	4.273289	3.19E-05	0.026129
	0.568424	4.269199	3.25E-05	0.026155
CD164L2;ATPIF1;ENSG00000270605;NUDC;WDTC1;RPS6KA1; MAP3K6;GPATCH3;FCN3;ENSG00000237429;FAM76A;PIGV	-0.42913	-4.27046	3.23E-05	0.026155
	0.460182	4.268561	3.26E-05	0.026155
	-0.31764	-4.26857	3.26E-05	0.026155
	0.227793	4.269648	3.24E-05	0.026155
SAMD11;ENSG00000223764;MXRA8	-0.42907	-4.26614	3.29E-05	0.026206
MLLT4;DACT2;SMOC2	-0.33723	-4.26712	3.27E-05	0.026206
SLC1A2;C11orf74;PAMR1;RAG2	-0.57912	-4.26987	3.24E-05	0.026155
	0.352488	4.265441	3.30E-05	0.026206
	0.620011	4.268983	3.25E-05	0.026155
STK33;C11orf16;TUB;ENSG00000252778;AKIP1;ENSG00000248332;DENND5A;WEE1;SBF2;SNORA23	-0.4726	-4.27001	3.24E-05	0.026155
PCDH12;SPRY4;KIAA0141;FGF1;PCDH1;NR3C1;GNPDA1	-0.59885	-4.26625	3.29E-05	0.026206

C20orf195;ENSG00000267848;STMN3;SLC2A4RG;ZNF512B;SOX18;LINC00176;RTEL1-TNFRSF6B	-1.18118	-4.26524	3.30E-05	0.026206
FGD5;EAF1	0.393352	4.264845	3.30E-05	0.026206
CALM1;GPR68	0.416657	4.261611	3.35E-05	0.026404
CCDC78;NHLRC4;IFT140;BAIAP3;METRN;WDR90;HAGHL;ENSG00000261659;PIGQ;ENSG00000196674;RHBDF1;WDR24;SOX8;HBA2;HBA1;UBE2I;RGS11;NME4	-0.60855	-4.26493	3.30E-05	0.026206
PITPNM2;CLIP1;GTF2H3;ENSG00000251497;SNRNP35;HCAR2	-0.39317	-4.26277	3.33E-05	0.026378
	0.294784	4.262058	3.34E-05	0.026404
	0.513829	4.2582	3.39E-05	0.026634
NOS3;GIMAP8;REPIN1;CDK5;GIMAP6;ATG9B;GIMAP1;WDR86-AS1;ACTR3C;GIMAP5;GIMAP7;SMARCD3;LRRC61	-0.3928	-4.2581	3.40E-05	0.026634
CPEB4;BNIP1	-0.53852	-4.25841	3.39E-05	0.026634
KAZN;DNAJC16;ENSG00000238142	-0.51275	-4.25435	3.45E-05	0.026992
KAZN;DNAJC16;FHAD1;RSG1;ENSG00000228140;ENSG00000224621	-0.43172	-4.25199	3.48E-05	0.027151
	-0.6728	-4.2537	3.46E-05	0.027013
GDE1;TMC5;CCP110;IQCK	-0.34016	-4.24999	3.51E-05	0.027273
SMAP2;AKIRIN1;MFSD2A;KCNQ4;CITED4;RIMS3;ZMPSTE24;HEYL	-0.5286	-4.24877	3.53E-05	0.027273
PCYT2;BAIAP2-AS1;MAFG-AS1;LRRC45;BAIAP2;NOTUM	-0.43185	-4.2488	3.53E-05	0.027273
ENKUR;THNSL1	-0.45879	-4.24817	3.53E-05	0.027273
FAM107B;BEND7;CDNF	-0.56128	-4.24843	3.53E-05	0.027273
CYB5R1;ELF3;FMOD;RNPEP;LGR6;KDM5B;PRELP;PTPN7	-0.46413	-4.24587	3.57E-05	0.027429
	0.276621	4.247584	3.54E-05	0.027289
KIF3B;BPIFB1;BPIFB2;CBFA2T2;CCM2L;SNTA1	-0.66948	-4.24936	3.52E-05	0.027273
SEC23IP;GRK5;PRDX3	0.403334	4.243003	3.61E-05	0.027695
SLC43A2;C17orf97	-0.43398	-4.24258	3.62E-05	0.027695
	0.347126	4.240884	3.64E-05	0.027836
	0.382162	4.239824	3.66E-05	0.027905
	0.513463	4.237964	3.68E-05	0.028015
	0.283678	4.238143	3.68E-05	0.028015
VEZF1;MRPS23	-0.36668	-4.23664	3.70E-05	0.028094
	0.478671	4.23638	3.71E-05	0.028094
	0.325211	4.233384	3.75E-05	0.028253
TNXB;C6orf10;ENSG00000225914	-0.46255	-4.23454	3.73E-05	0.028202
SAMD11;TTLL10;C1orf222;SKI;MORN1;ANKRD65;ENSG00000269896;TTLL10-AS1;MXRA8;ENSG00000223764;TTC34;SSU72;ENSG00000272106;RNF223;FAM213B;CALML6;PLCH2;LINC01128;ENSG00000217801;ENSG00000271847;ACAP3;VWA1;ENSG00000224387;FAM41C;TNFRSF18	-0.61661	-4.23278	3.76E-05	0.028253
NEDD4L;MALT1;WDR7;NARS	-0.65931	-4.23523	3.72E-05	0.028175
RPL41P2	-0.29816	-4.23079	3.79E-05	0.028428
	-0.37237	-4.23288	3.76E-05	0.028253
PRR4;PRH2;PRB3;PRB2;ETV6;PRB1;PRB4	-0.55335	-4.23001	3.80E-05	0.028428

TEX26-AS1;UBL3;KATNAL1;USPL1	-0.42464	-4.22858	3.83E-05	0.028498
MAD1L1;GNA12;IQCE;TTYH3;CHST12;LFNG;BRAT1;PSMG3;ELF N1	-0.6439	-4.22846	3.83E-05	0.028498
NID2;FERMT2;DDHD1;FRMD6;ERO1L;PSMC6	-0.56212	-4.22995	3.80E-05	0.028428
PPM1M;SEMA3G;STAB1;NEK4;PBRM1;POC1A;ITIH3;PCBP4	-0.56953	-4.225	3.88E-05	0.028678
SLC23A1;CYSTM1;IK;TMEM173;NRG2	-0.42704	-4.22549	3.87E-05	0.028678
DOK7;LYAR	0.508629	4.224703	3.89E-05	0.028678
CHD7	-0.6314	-4.22346	3.90E-05	0.028678
	0.668396	4.223762	3.90E-05	0.028678
	0.498479	4.224498	3.89E-05	0.028678
	0.437602	4.223655	3.90E-05	0.028678
	-0.38577	-4.22387	3.90E-05	0.028678
TAL1;CMPK1;STIL;BEND5;ENSG00000226252;TRABD2B	-0.6173	-4.22094	3.94E-05	0.028919
CDH1;NQO1	-0.47646	-4.21877	3.98E-05	0.029123
	0.399353	4.217952	3.99E-05	0.029168
DOCK4	-0.78411	-4.21659	4.01E-05	0.029229
VPS35	0.354795	4.216585	4.01E-05	0.029229
DKK3;MICALCL	-0.45763	-4.21568	4.03E-05	0.029247
ENSG00000141854;CACNA1A;SYDE1;NOTCH3;BRD4;IL27RA;PO DNL1;ENSG00000267169;ZNF333;CD97;C19orf67;TECR;LPHN1	-0.40445	-4.21478	4.04E-05	0.029279
PYCR1;NOTUM;P4HB;TMEM105;LINC00482	-1.00926	-4.21307	4.07E-05	0.029279
LAIR1;LILRB1;ZSCAN5D	0.3779	4.215579	4.03E-05	0.029247
	-0.46874	-4.21229	4.08E-05	0.029279
	0.48372	4.211465	4.10E-05	0.029279
	0.569591	4.212218	4.08E-05	0.029279
	0.715732	4.210509	4.11E-05	0.029279
LRRC4	0.302044	4.212611	4.08E-05	0.029279
	-0.44156	-4.2096	4.13E-05	0.029279
PDE1C;ADCYAP1R1;AQP1;INMT;ZNRF2;GGCT	-0.31663	-4.21052	4.11E-05	0.029279
	0.534515	4.210735	4.11E-05	0.029279
CCDC96;CRMP1;KIAA0232;SORCS2;EVC;PSAPL1;WFS1;ENSG00 000246526	-0.57886	-4.20979	4.13E-05	0.029279
NTRK2	-0.53543	-4.21166	4.09E-05	0.029279
GPR133	-0.33404	-4.21235	4.08E-05	0.029279
SLC34A2;SMIM20;PI4K2B;SEL1L3;LGI2;ANAPC4	-0.55606	-4.20889	4.14E-05	0.029297
IL1RN	0.412362	4.207051	4.17E-05	0.029438
ZNF713;PSPH;GBAS;EGFR;SUMF2	-1.05972	-4.20945	4.13E-05	0.029279
MAK;TMEM14B;ADTRP;EDN1	-0.51729	-4.20584	4.19E-05	0.029487
	0.3841	4.205211	4.20E-05	0.029487
ATP6V0D1;GFOD2;TRADD;ENKD1;CMTM4;FAM96B;RLTPR;CES 2;ESRP2;ZDHHC1;TPPP3;SMPD3;CBFB	-0.42625	-4.20328	4.23E-05	0.029561
GPATCH2L	-0.38692	-4.20561	4.19E-05	0.029487
HELB;GRIP1	-0.59187	-4.20428	4.22E-05	0.029531
TMEM204;ABCA17P;TRAF7	0.412675	4.202911	4.24E-05	0.029561
	0.447122	4.202548	4.25E-05	0.029561

	0.325434	4.206858	4.17E-05	0.029438
DDR1;CLIC1;MDC1;PPP1R18;LTB;GPSM3;SLC44A4;C6orf25;BA				
G6	-0.54755	-4.20402	4.22E-05	0.029531
C9orf171;EXOSC2;AIF1L;LAMC3	-0.74035	-4.19999	4.29E-05	0.02972
TCF21;EYA4;SGK1	-1.02248	-4.19933	4.30E-05	0.02975
HMHA1;GRIN3B;PCSK4;GPX4;ARID3A	-0.41807	-4.19804	4.32E-05	0.029856
MAPRE3;DRC1;AGBL5;C2orf70;DTNB;SLC5A6;ENSG000002055				
00;OTOF;SNX17;ATRAID;GPR113	-0.54245	-4.20041	4.28E-05	0.029718
NOTUM;TMEM105;LINC00482;PYCR1;WDR45B;P4HB;NPLOC4;				
PCYT2;LRRC45	-0.5384	-4.20081	4.28E-05	0.029718
KCNA3	-0.61418	-4.19691	4.34E-05	0.029942
SMOC2;THBS2	-0.42902	-4.19602	4.36E-05	0.030001
ADAMTSL2;COL5A1;LINC00094;GBGT1	-0.5018	-4.1935	4.40E-05	0.030255
	0.383439	4.192186	4.43E-05	0.030366
SLBP	0.405825	4.190762	4.45E-05	0.030393
	0.44508	4.18918	4.48E-05	0.030488
ENSG00000261104;KIDINS220;ID2;MBOAT2	-0.59576	-4.19083	4.45E-05	0.030393
GCC2	-0.48445	-4.19179	4.43E-05	0.030366
TMCO3;F10;ADPRHL1;TUBGCP3;ATP11A	-0.55029	-4.1895	4.47E-05	0.030488
	-0.29657	-4.18749	4.51E-05	0.030597
PSMG3;GPR146	0.296577	4.187931	4.50E-05	0.030592
	0.495867	4.186912	4.52E-05	0.030619
	0.471431	4.183678	4.58E-05	0.030814
	-0.27157	-4.18368	4.58E-05	0.030814
	0.453867	4.182109	4.61E-05	0.030814
	-0.47205	-4.1814	4.62E-05	0.030814
SYNGAP1;PFDN6;ENSG00000272288;ANKS1A;ZBTB9;ITPR3;HS				
D17B8;B3GALT4;RGL2;CUTA	-0.43421	-4.18616	4.53E-05	0.030663
ENSG00000266896	0.490484	4.181697	4.62E-05	0.030814
CCDC78;IFT140;NHLRC4;BAIAP3;ENSG00000261659;HAGHL;M				
ETRN;WDR90;ENSG00000196674;RHBDF1;PIGQ;SOX8;NME4;R				
GS11;HBA2;UBE2I;SNRNP25;HBA1;POLR3K;WDR24;UNKL;CACN				
A1H;CHTF18;ENSG00000260807;TMEM204;TPSB2	-0.96197	-4.18321	4.59E-05	0.030814
	-0.4205	-4.18166	4.62E-05	0.030814
	0.311767	4.181529	4.62E-05	0.030814
	-0.78265	-4.17938	4.66E-05	0.030869
FES;CRTC3	-0.53451	-4.18037	4.64E-05	0.030869
	0.457239	4.179412	4.66E-05	0.030869
	0.256114	4.178161	4.68E-05	0.030923
	-0.28461	-4.17982	4.65E-05	0.030869
ANXA4;GFPT1;APLF;ANTXR1;TGFA	-0.41895	-4.18138	4.62E-05	0.030814
TMEM132B;AACS	-0.47343	-4.17748	4.69E-05	0.03096
ENSG00000251613;ENSG00000248371;ARHGEF28	-0.55362	-4.17888	4.67E-05	0.030883
XYLT1;ENSG00000183889	-0.43948	-4.17611	4.72E-05	0.030994
CDH13	-0.66996	-4.17513	4.74E-05	0.030994
GNG7;MOB3A;GNA15;ZNF57	-0.56154	-4.17541	4.73E-05	0.030994

ISLR;SCAMP2	-1.09589	-4.1741	4.76E-05	0.030996
	0.608821	4.17565	4.73E-05	0.030994
	-0.43659	-4.17339	4.77E-05	0.031037
LAMTOR5;CSF1	-0.41879	-4.17412	4.76E-05	0.030996
	-0.48481	-4.17141	4.81E-05	0.031109
NPTXR;MFNG;SUN2	-0.79602	-4.17086	4.82E-05	0.031109
GMDS;FOXC1	-0.43621	-4.17489	4.74E-05	0.030994
	0.457151	4.175445	4.73E-05	0.030994
	0.254123	4.170763	4.82E-05	0.031109
	-0.39059	-4.17008	4.83E-05	0.031109
ENSG00000235652	0.4968	4.169658	4.84E-05	0.031109
	0.420285	4.169411	4.85E-05	0.031109
CSF1;GSTM5;KCNC4;LAMTOR5;GSTM3;CLCC1;KCNC4-AS1;WDR47;LAMTOR5-AS1	-0.41518	-4.16881	4.86E-05	0.031109
	0.387008	4.169717	4.84E-05	0.031109
	-0.67001	-4.16924	4.85E-05	0.031109
TSPAN15;TET1;STOX1;COL13A1	-0.5381	-4.17131	4.81E-05	0.031109
	0.303107	4.168634	4.86E-05	0.031109
ACACA	-0.57261	-4.16592	4.91E-05	0.0314
	0.284004	4.165113	4.93E-05	0.031452
B3GNT3;NR2F6	-0.47482	-4.16476	4.94E-05	0.031452
IQCD;RITA1;CCDC42B;ENSG00000199899;SLC8B1;TMEM116;BRAP;OAS2	-0.39763	-4.16339	4.96E-05	0.03153
RRAGD;LYRM2;ANKRD6;BACH2	-0.51908	-4.16382	4.96E-05	0.031522
ICOSLG	-0.38686	-4.15749	5.08E-05	0.032182
KALRN;FAM86JP;ROPN1B	-0.5256	-4.15573	5.12E-05	0.032257
RANBP1	-0.42046	-4.15593	5.11E-05	0.032257
CES4A;ZDHHC1;TSNAXIP1;TPPP3;GFOD2;ENKD1;RANBP10;RRAD;CMTM4;LRRC36;PLEKHG4;CDH5;ATP6V0D1;FAM96B;SLC12A4;CMTM3;TRADD	-0.40128	-4.15875	5.06E-05	0.032069
RABL2B	-0.4222	-4.15456	5.14E-05	0.032257
GPR17;LIMS2;MYO7B;ENSG00000235128	-0.54495	-4.1543	5.15E-05	0.032257
	0.529202	4.155047	5.13E-05	0.032257
SLC43A2;HIC1;PITPNA;ENSG00000262003;MYO1C	-0.49536	-4.15653	5.10E-05	0.032257
TTLL10;C1orf222;TTLL10-AS1;ANKRD65;MXRA8;SAMD11;ENSG00000272106;LINC01128;SSU72;VWA1;ENSG00000223764;RNF223;ACAP3;ENSG00000217801;NOC2L;CALML6	-1.48867	-4.15035	5.23E-05	0.032511
THBS2;MLLT4	-0.76427	-4.14955	5.24E-05	0.032511
CCDC138;ENSG00000227470	0.352625	4.150827	5.22E-05	0.032511
	0.427433	4.149456	5.25E-05	0.032511
IFNGR1;ENSG00000227844	0.465494	4.149685	5.24E-05	0.032511
	-0.56148	-4.15135	5.21E-05	0.032511
FAM179A;ENSG00000226833;C2orf71;ENSG00000229951;PLB1	-0.62451	-4.15443	5.14E-05	0.032257
MTMR9LP	0.313917	4.148152	5.27E-05	0.032596
	0.545801	4.147928	5.28E-05	0.032596

FMNL3;SMAGP;GALNT6;CERS5;POU6F1;TMBIM6	-0.52882	-4.14951	5.25E-05	0.032511
MSRB1;ABCA3;CLUAP1;PAQR4	0.43982	4.147634	5.28E-05	0.032596
SPRY1;FGF2;BBS12;SPATA5	-0.39334	-4.14939	5.25E-05	0.032511
	0.35001	4.14689	5.30E-05	0.032645
NME4;CACNA1H;TMEM204;RGS11	-0.27057	-4.1452	5.34E-05	0.032818
TPST1;ASL;ENSG00000232559	-0.57614	-4.14316	5.38E-05	0.032988
	0.460562	4.141005	5.43E-05	0.033176
	0.556614	4.140017	5.45E-05	0.033253
CEP112;CACNG4;PITPNC1	-0.65524	-4.14179	5.41E-05	0.03312
	0.413778	4.143916	5.36E-05	0.032937
QTRT1	-0.39364	-4.13823	5.49E-05	0.033253
DOC2B	0.340689	4.137137	5.51E-05	0.033253
CERK;PKDREJ;ENSG00000234869	-0.61063	-4.13682	5.52E-05	0.033253
	-0.42695	-4.13618	5.53E-05	0.033253
	0.533437	4.136709	5.52E-05	0.033253
FANK1;ADAM12;DOCK1;FANK1-AS1	-0.60491	-4.13612	5.53E-05	0.033253
CIB1;CRTC3;FES	-0.38053	-4.13614	5.53E-05	0.033253
GRASP;ACVRL1;POU6F1;SLC11A2;DAZAP2;KRT80;KRT7;GALNT6	0.45884	4.137898	5.49E-05	0.033253
LINC00589;TMEM66;DUSP4;LEPROTL1	-0.47504	-4.13729	5.51E-05	0.033253
	0.402541	4.136312	5.53E-05	0.033253
ENSG00000188242;TPPP;SLC9A3;LPCAT1	-0.79628	-4.13574	5.54E-05	0.033257
	-0.29308	-4.13733	5.51E-05	0.033253
	0.424522	4.132746	5.61E-05	0.033358
	-0.40045	-4.13427	5.57E-05	0.03335
	-0.37246	-4.13338	5.59E-05	0.03335
ENSG00000188242;TPPP	-1.05453	-4.1325	5.61E-05	0.033358
	0.308175	4.133258	5.59E-05	0.03335
	0.399033	4.133421	5.59E-05	0.03335
C3orf67;DENND6A;ABHD6;RPP14;ENSG00000242428;FAM3D	-0.40527	-4.13415	5.57E-05	0.03335
	-0.47317	-4.13	5.67E-05	0.033642
KIAA0556;NSMCE1;IL4R;KDM8;GTF3C1;ENSG00000261329;EN SG00000245888;SBK1	-0.65071	-4.12884	5.69E-05	0.033703
EYA4;SGK1	-0.82352	-4.12598	5.76E-05	0.033851
	0.175871	4.129309	5.68E-05	0.033687
MSMB;TIMM23	-0.68499	-4.12705	5.73E-05	0.033822
	-0.32668	-4.1269	5.74E-05	0.033822
	0.381152	4.124792	5.78E-05	0.033918
	0.521713	4.123656	5.81E-05	0.033938
COL8A2;OSCP1;C1orf216;ADPRHL2;ENSG00000232862;AGO3; TEKT2;KIAA0319L;MAP7D1;MRPS15;ENSG00000201448;GRIK3 ;THRAP3	-0.5867	-4.12617	5.75E-05	0.033851
FSIP1;SRP14-AS1;BUB1B;ENSG00000259536;PAK6;RAD51;BMF;RMDN3	-0.61945	-4.12493	5.78E-05	0.033918

C3orf67;ENSG00000242428;DENND6A;ABHD6;RPP14;FLNB	-0.33678	-4.12797	5.71E-05	0.033772
	-0.30352	-4.12361	5.81E-05	0.033938
	-0.40185	-4.12312	5.82E-05	0.033938
RAB11FIP4;CDK5R1	-0.63174	-4.12222	5.84E-05	0.033938
	-0.48868	-4.1225	5.84E-05	0.033938
	0.407543	4.12279	5.83E-05	0.033938
IL5RA	-0.63775	-4.11836	5.93E-05	0.034262
	-0.37713	-4.11779	5.95E-05	0.034262
FANK1;DHX32;ADAM12;BCCIP;FANK1-AS1;EDRF1;ENSG00000226899	-0.56777	-4.12304	5.83E-05	0.033938
POLR1C;MRPL14;DLK2	-0.35891	-4.11892	5.92E-05	0.034262
ACBD3;PYCR2;C1orf95;PARP1;SRP9	0.330903	4.117326	5.96E-05	0.034262
	-0.32917	-4.11673	5.97E-05	0.034262
SEZ6L2;C16orf93;MVP;ENSG00000261690;PHKG2;SEPT1;CDIPT;ZNF688;QPRT	-0.50336	-4.11718	5.96E-05	0.034262
NLRC5	-0.61244	-4.11608	5.99E-05	0.034304
CASZ1;APITD1;ENSG00000231789	-0.53611	-4.11779	5.95E-05	0.034262
ZHX2;FER1L6;TBC1D31;FER1L6-AS1;FER1L6-AS2	-0.48814	-4.119	5.92E-05	0.034262
ANXA2;ENSG00000259591;ENSG00000259481;ENSG00000259575;BNIP2	-0.4991	-4.11506	6.01E-05	0.034377
	0.463337	4.113274	6.05E-05	0.034496
	0.312969	4.111851	6.09E-05	0.034496
SLC44A4;VWA7;LY6G5C;HSPA1L;NELFE;NOTCH4;TCF19;TNXB;C6orf10;EHMT2;CLIC1;ENSG00000225914;HSPA1A;PBX2;HNRNPA1P2;BAG6;CCHCR1;ENSG00000272221;DDR1	-1.31338	-4.11443	6.03E-05	0.034389
	-0.57677	-4.11159	6.09E-05	0.034496
	-0.27153	-4.11486	6.02E-05	0.034377
	0.57054	4.112105	6.08E-05	0.034496
ENSG00000244300;GATA2;KIAA1257	0.268913	4.111827	6.09E-05	0.034496
EFCAB6;ENSG00000233157;EFCAB6-AS1	-0.51387	-4.11095	6.11E-05	0.034496
	0.45815	4.110384	6.12E-05	0.03452
SFMBT2	-0.51523	-4.10999	6.13E-05	0.03452
	0.471994	4.110968	6.11E-05	0.034496
	-0.55062	-4.10943	6.15E-05	0.03452
NAV2;E2F8;ZDHHC13;ENSG00000255308;CSRP3;HTATIP2;ENSG00000255160	-0.44541	-4.11127	6.10E-05	0.034496
TOM1L2	-0.27864	-4.10843	6.17E-05	0.034584
	-0.44545	-4.10957	6.14E-05	0.03452
CERK	-0.65105	-4.10703	6.20E-05	0.034662
CACNA1G;SPATA20	-0.38415	-4.11705	5.96E-05	0.034262
HELB	0.631739	4.105302	6.25E-05	0.034716
TMEM204;ENSG00000205890;MSRB1;PRSS22;CCDC64B;HN1L;CACNA1H	0.645313	4.107968	6.18E-05	0.034584
	-0.47353	-4.10501	6.25E-05	0.034716

XPNPEP3;PMM1;SGSM3;MCHR1;ENSG00000231993;ZC3H7B;CENPM;L3MBTL2;ENSG00000232754	-0.39871	-4.108	6.18E-05	0.034584
HGD;MAATS1;GPR156;POLQ;GOLGB1;STXBP5L;FBXO40;FSTL1	-0.59229	-4.10659	6.22E-05	0.034662
	-0.28216	-4.10613	6.23E-05	0.034662
SEC14L1;SMIM5;FOXJ1;RNF157-AS1;MXRA7;TRIM65	-0.47723	-4.10369	6.29E-05	0.034852
	-0.57843	-4.10222	6.32E-05	0.034953
ENSG00000260604;FARS2;ENSG00000233068;ECI2;FAM50B	-0.58274	-4.10606	6.23E-05	0.034662
	-0.40447	-4.10211	6.33E-05	0.034953
MRPL23;TALDO1;CTSD;TSPAN4;IGF2;LRRC56;POLR2L;RASSF7	-0.57078	-4.10183	6.33E-05	0.034953
GALNS;PIEZO1;MAP1LC3B	-0.94088	-4.10084	6.36E-05	0.034959
	0.456944	4.101135	6.35E-05	0.034959
	0.414231	4.100608	6.36E-05	0.034959
	-0.27722	-4.10164	6.34E-05	0.034953
	0.379007	4.098149	6.43E-05	0.035208
	0.375417	4.099237	6.40E-05	0.035103
	0.428664	4.094897	6.51E-05	0.035472
LINC00857	-0.59699	-4.09667	6.46E-05	0.035333
NDRG1;TMEM71;LRRC6	-0.52629	-4.09451	6.52E-05	0.035472
	0.367477	4.09253	6.57E-05	0.035629
	0.561683	4.094968	6.51E-05	0.035472
CLMN;AK7;DICER1-AS1	-0.42622	-4.0966	6.46E-05	0.035333
	-0.2923	-4.09267	6.56E-05	0.035629
SHANK2;LRTOMT;SHANK2-AS1;NUMA1;SHANK2-AS3;SHANK2-AS2	-0.63292	-4.0943	6.52E-05	0.035472
PTGES3;RBMS2;PIP4K2C;ARHGEF25;ENSG00000224713;ATP5B;ARHGAP9;AGAP2	-0.36005	-4.08982	6.64E-05	0.035946
C16orf71;CDIP1;SMIM22;CORO7;GLYR1;SEC14L5;ENSG00000266994;GLIS2;C16orf89	-0.38373	-4.08892	6.66E-05	0.035946
	-0.43965	-4.08935	6.65E-05	0.035946
SPATA13;TNFRSF19;MIPEP;ENSG00000228741;IPO7P2	-0.68868	-4.08887	6.66E-05	0.035946
	0.247562	4.08823	6.68E-05	0.035946
	-0.40403	-4.08844	6.67E-05	0.035946
ENSG00000249007;PTPN7;KIF21B	0.447216	4.084427	6.78E-05	0.036249
	-0.46858	-4.08528	6.76E-05	0.036249
MYCBPAP;FAM117A;MBTD1;ENSG00000248954;TOB1-AS1;ENSG00000249906;CACNA1G;CHAD	-0.39365	-4.08802	6.69E-05	0.035946
ENSG00000262003;SCARF1;ENSG00000225084;ENSG00000228133;YWHAE;GLOD4	-0.58765	-4.0835	6.81E-05	0.036249
MRPL37	0.349925	4.085054	6.76E-05	0.036249
	-0.51177	-4.08388	6.80E-05	0.036249
	0.457541	4.084852	6.77E-05	0.036249
	-0.4482	-4.08332	6.81E-05	0.036249
CCR1	-0.42067	-4.08365	6.80E-05	0.036249
ABHD2;HAPLN3;KIF7;CIB1;MFGE8;PEX11A;ACAN	0.385431	4.081288	6.86E-05	0.036428

	0.383909	4.081118	6.87E-05	0.036428
ABRACL	-0.31682	-4.08143	6.86E-05	0.036428
	0.498327	4.079932	6.90E-05	0.036507
ANAPC15;LRTOMT;ANO1;IL18BP	0.484312	4.07933	6.92E-05	0.036548
PIEZO1;GALNS;ZCCHC14;ENSG00000182376;ENSG00000224888;ENSG00000260121	-0.50246	-4.0806	6.88E-05	0.036456
	-0.34532	-4.07756	6.97E-05	0.036757
PSMG3;GNA12	0.407982	4.075983	7.01E-05	0.036848
	0.328622	4.07561	7.02E-05	0.036857
	0.426636	4.076183	7.00E-05	0.036848
CCDC126	-0.39963	-4.07493	7.04E-05	0.036909
COL13A1	0.288946	4.074358	7.05E-05	0.036947
WDR66;LRRC43;DNAH10;TCTN2;KNTC1;ABCB9;PITPNM2;RILPL2;BCL7A;ENSG00000251497;CLIP1;ENSG00000256546;DIABLO	-0.42575	-4.07387	7.07E-05	0.036973
ALG1L;KLF15	-0.54586	-4.07148	7.13E-05	0.037072
TMC8	-0.44135	-4.07103	7.15E-05	0.037072
	0.462849	4.072993	7.09E-05	0.037009
	-0.37825	-4.07018	7.17E-05	0.037072
	0.450221	4.073408	7.08E-05	0.036994
WNT7B	-0.60406	-4.06939	7.19E-05	0.037072
GALNT10	-0.49575	-4.07042	7.16E-05	0.037072
SLC23A1;SPATA24;IK;NRG2;PAIP2;CYSTM1;SRA1;NDUFA2;ECSCR;CXXC5	-0.43249	-4.07711	6.98E-05	0.036777
SNORD3B-1;FLII	-0.29993	-4.06906	7.20E-05	0.037072
ARHGEF10	-0.71202	-4.06912	7.20E-05	0.037072
	0.350183	4.069274	7.20E-05	0.037072
ENSG00000258699;TTC8;ENSG00000258752;SPATA7;EFCAB11;EML5;TDP1;ZC3H14	-0.48819	-4.06973	7.18E-05	0.037072
	0.476171	4.069644	7.18E-05	0.037072
	-0.44906	-4.06748	7.25E-05	0.037179
	-0.66363	-4.06832	7.22E-05	0.037103
ENSG00000235159	-0.26776	-4.06886	7.21E-05	0.037072
	0.375617	4.065349	7.31E-05	0.037312
	0.507271	4.068836	7.21E-05	0.037072
	0.391157	4.065674	7.30E-05	0.037312
PARP15;CD86	0.286831	4.065438	7.30E-05	0.037312
CEP41;SMO;UBE2H;NRF1;SMKR1;KLHDC10;IRF5;FLNC;TPI1P2	-0.70762	-4.06547	7.30E-05	0.037312
MARCH6;SEMA5A;ENSG00000251370;ENSG00000250001	0.473795	4.064477	7.33E-05	0.03735
LTBP3;RARRES3;C11orf95	-0.73941	-4.06283	7.38E-05	0.037501
	-0.35465	-4.06128	7.42E-05	0.03764
FAM120B;WDR27;TBP	-0.76147	-4.0648	7.32E-05	0.037347
	0.484896	4.060848	7.44E-05	0.037658
ATP2A3;ASPA;ENSG00000261863;TRPV3;RAP1GAP2;ARRB2;PLD2;ALOX15;MED11	-0.71609	-4.06317	7.37E-05	0.037497

ST3GAL2;IL34;NIP7;COG4;NQO1;SNTB2;ENSG00000260156	-0.42262	-4.06	7.46E-05	0.037734
	-0.27063	-4.0623	7.39E-05	0.037534
SIK3	0.492384	4.058761	7.50E-05	0.037828
DERL3	0.539594	4.058489	7.50E-05	0.037828
CALM1;RPS6KA5;CCDC88C;GPR68;TC2N;ENSG00000260711	-0.37128	-4.05973	7.47E-05	0.037734
SEC23B;DZANK1;OVOL2;LINC00493	-0.35756	-4.05536	7.60E-05	0.038202
	-0.31743	-4.05749	7.53E-05	0.037931
POLA2;MAP4K2;SLC29A2;CDC42EP2;EFEMP2	0.335232	4.053878	7.64E-05	0.038224
	-0.51678	-4.05264	7.68E-05	0.038224
	0.413587	4.054615	7.62E-05	0.038223
CMTM4;ZDHHC1;CDH5;TSNAXIP1;TPPP3;ENKD1;GFOD2;CES4A;LRRC36;RRAD;FAM65A;SLC12A4;ATP6V0D1;RANBP10;RLTPR;FAM96B;CMTM3;PLEKHG4;LCAT	-0.39586	-4.05283	7.67E-05	0.038224
	0.396292	4.05228	7.69E-05	0.038224
	-0.41304	-4.05157	7.71E-05	0.038231
GLIS2;PDPK1;CLUAP1	-1.15701	-4.05191	7.70E-05	0.038224
	-0.41347	-4.05216	7.69E-05	0.038224
ALDH3B1;UNC93B1;PITPNM1;TPCN2;FAM86C2P;ENSG00000255306;MRGPRF;GSTP1;ENSG00000254610;SUV420H1;CDK2AP2;ENSG00000251637	-0.44014	-4.05494	7.61E-05	0.03822
IFI27	-0.57856	-4.05428	7.63E-05	0.038224
HEYL;ZMPSTE24;TRIT1;PABPC4;SMAP2;CITED4;BMP8B	-0.48702	-4.05239	7.69E-05	0.038224
	-0.2844	-4.052	7.70E-05	0.038224
DARC;PVRL4;CADM3;F11R;KLHDC9;LY9;TSTD1;SLAMF1;ENSG00000213080;AIM2;CCDC19;ENSG00000225670	-0.46676	-4.0511	7.72E-05	0.038257
	-0.27107	-4.05014	7.75E-05	0.038271
SRGAP3-AS2;GRM7;OXTR;OR7E122P;ENSG00000270207;SSUH2;GRM7-AS1	-0.59708	-4.05069	7.74E-05	0.038271
ENSG00000184566	-0.59714	-4.04933	7.78E-05	0.038271
	0.421274	4.049541	7.77E-05	0.038271
TJP3;GIPC3;ZFR2;TBXA2R;GNG7;GNA11;SF3A2;PIP5K1C;SPPL2B;OAZ1;APBA3;ZNF555	-0.45091	-4.04949	7.77E-05	0.038271
ZDHHC13;HTATIP2;PRMT3;NELL1	-0.43103	-4.04914	7.78E-05	0.038271
	0.433642	4.047658	7.83E-05	0.038379
ZNF34	0.29063	4.047619	7.83E-05	0.038379
	0.484462	4.048931	7.79E-05	0.038271
	-0.40719	-4.04586	7.88E-05	0.038599
USP44;CCDC41;CRADD	-0.49931	-4.04515	7.91E-05	0.038662
KRT13;KRT23	-0.33339	-4.04348	7.96E-05	0.038826
PALM	-0.44359	-4.04246	7.99E-05	0.03889
CBFA2T3	-0.46957	-4.04347	7.96E-05	0.038826
	0.301963	4.04297	7.97E-05	0.038857
	-0.2069	-4.04174	8.01E-05	0.038955
	0.332549	4.040994	8.03E-05	0.03898

	-0.29894	-4.04034	8.05E-05	0.038991
	0.568524	4.041424	8.02E-05	0.038959
	0.393339	4.03815	8.12E-05	0.039191
GFM2;ANKDD1B	-0.68879	-4.03866	8.11E-05	0.039157
LRRC43;DNAH10;TCTN2;CCDC92;ABCB9;KNTC1;ENSG0000025				
6546;MPHOSPH9;RILPL2;DNAH10OS;DIABLO;PITPNM2;EIF2B1	-0.51231	-4.0406	8.05E-05	0.038991
	-0.44336	-4.0371	8.16E-05	0.039246
FAM201A;ENSG00000233137;POLR1E;CNTNAP3;ANKRD18A;S				
NX18P3;TRMT10B;ZBTB5;ALDH1B1	-0.44206	-4.03904	8.10E-05	0.039144
	-0.48848	-4.03681	8.17E-05	0.039246
FARP1;ENSG00000269189	-0.38914	-4.03676	8.17E-05	0.039246
	0.522701	4.034863	8.23E-05	0.039468
	0.449167	4.036625	8.17E-05	0.039246
	-0.41305	-4.03457	8.24E-05	0.039468
FAM86JP	0.358972	4.03357	8.27E-05	0.039493
	-0.74979	-4.03392	8.26E-05	0.039483
C1orf194;GSTM3;GSTM5;LAMTOR5-				
AS1;STRIP1;CSF1;KCNC4;CELSR2;ATXN7L2;WDR47;GSTM4;GPS				
M2;SORT1;ENSG00000258634;CLCC1;PSMA5;SYPL2;SARS;SCAR				
NA2;KCNA2;LAMTOR5;PSRC1	-0.6368	-4.03431	8.25E-05	0.039468
TMEM14B	-0.41945	-4.03277	8.30E-05	0.039514
NXN;ENSG00000262003;GEMIN4;C17orf97	0.551528	4.03143	8.34E-05	0.039558
FAM83A;ZHX2;ENSG00000253336	-0.65846	-4.03229	8.31E-05	0.039514
	0.436088	4.032436	8.31E-05	0.039514
	-0.32127	-4.03159	8.33E-05	0.039558
	0.520284	4.030044	8.38E-05	0.039665
ENSG00000249112	0.196947	4.031004	8.35E-05	0.03958
	-0.34499	-4.02908	8.42E-05	0.039665
	0.396405	4.029317	8.41E-05	0.039665
	-0.54489	-4.02974	8.39E-05	0.039665
DUSP18;ENSG00000181123;CCDC157;SEC14L4;LIMK2;SDC4P;E				
NSG00000250318;SEC14L3;SMTN;EIF4ENIF1;SLC5A1;OSBP2;TB				
C1D10A;SFI1;YWHAH;ENSG00000273387;RNF215	-0.40353	-4.03293	8.29E-05	0.039514
PDK1;ENSG00000225205	-0.604	-4.02781	8.46E-05	0.039718
	-0.3792	-4.02742	8.47E-05	0.039718
ROPN1L;MARCH6;SEMA5A;ENSG00000272417;FAM173B	0.390933	4.028618	8.43E-05	0.039684
	-0.44317	-4.02902	8.42E-05	0.039665
ANXA4	0.368202	4.026139	8.51E-05	0.039718
	-0.27107	-4.02619	8.51E-05	0.039718
ACP1	0.439309	4.026769	8.49E-05	0.039718
	-0.542	-4.02501	8.55E-05	0.039805
	0.435723	4.026697	8.49E-05	0.039718
KRT23	0.32077	4.027322	8.47E-05	0.039718
ARHGEF10;MYOM2	-0.88638	-4.02661	8.50E-05	0.039718
NUDT5;CAMK1D;PHYH;UPF2	-0.4402	-4.02576	8.52E-05	0.039733

CYGB;EVPL;SRP68	-0.38785	-4.02399	8.58E-05	0.03992
SAMD12	-0.60553	-4.0226	8.63E-05	0.039962
	-0.49456	-4.02191	8.65E-05	0.040024
SOWAHB	-0.44589	-4.02262	8.63E-05	0.039962
	0.446415	4.022925	8.62E-05	0.039962
ST3GAL1	0.665629	4.023063	8.61E-05	0.039962
	0.526634	4.02025	8.71E-05	0.040176
	0.294753	4.019669	8.73E-05	0.0402
SLC45A4;TRAPPC9;PTP4A3;DENND3	-0.51883	-4.01857	8.77E-05	0.040328
HLA-E;PPP1R18;HLA-F-AS1	-0.36088	-4.02097	8.68E-05	0.040127
	0.317322	4.017408	8.80E-05	0.04038
	-0.31125	-4.01797	8.79E-05	0.040336
FAM126A;ENSG00000228649;FAM221A	-0.34693	-4.0201	8.71E-05	0.040176
CRTC3;ABHD2;CIB1;KIF7;FES;PEX11A;WDR93	-0.43172	-4.01685	8.82E-05	0.04038
	0.357116	4.01828	8.78E-05	0.04033
PRDX5;DNAJC4;TRPT1;TM7SF2;PLCB3;SF3B2;FRMD8;EFEMP2;ZNHIT2;CST6;CDCA5;EHBP1L1;LTBP3;PPP2R5B;SIPA1;MAP3K11;RPS6KA4;STIP1;NAALADL1;PPP1R14B;POLA2	-0.67187	-4.01686	8.82E-05	0.04038
GDF11;RBMS2;PTGES3;WIBG;ITGA7;SMARCC2;SARNP;NAB2;LRP1;CDK2	-0.55394	-4.01537	8.87E-05	0.040482
CPA3;ENSG00000224831;TM4SF18	-0.65485	-4.01582	8.86E-05	0.040482
CGNL1;TCF12	0.504861	4.01564	8.87E-05	0.040482
	-0.57416	-4.01432	8.91E-05	0.040583
	-0.54768	-4.01344	8.94E-05	0.040583
	0.421606	4.013225	8.95E-05	0.040583
	0.467482	4.012608	8.97E-05	0.040614
	0.375753	4.013631	8.93E-05	0.040583
IQCE;GNA12;MAD1L1;LFNG	-0.38873	-4.01358	8.94E-05	0.040583
	0.532849	4.011373	9.01E-05	0.040744
STX18	-0.51412	-4.01064	9.04E-05	0.040744
	0.383279	4.010026	9.06E-05	0.040744
TTC28;XBP1;EMID1;ZNRF3;ENSG00000226471;PITPNB;TTC28-AS1;THOC5	-0.52801	-4.01308	8.95E-05	0.040583
WBSCR22;TBL2;CLDN4;BCL7B;LINC00035	0.363721	4.009775	9.07E-05	0.040744
ZDHHC14	-0.38435	-4.00924	9.09E-05	0.040744
ARL3;CNNM2;SH3PXD2A;C10orf95;LDB1;GBF1;KCNIP2;TRIM8	-0.57497	-4.01033	9.05E-05	0.040744
GIMAP5;GIMAP7;GIMAP1;GIMAP4;GIMAP2;GIMAP8;GIMAP6;LINC00996	0.433668	4.008695	9.11E-05	0.040746
	0.383635	4.010207	9.05E-05	0.040744
	0.456335	4.009665	9.07E-05	0.040744
	-0.42965	-4.00906	9.09E-05	0.040744
	0.383348	4.009281	9.09E-05	0.040744
	0.345176	4.007399	9.15E-05	0.040864
ASPA;TRPV3;ENSG00000263050;HIC1;ATP2A3;C17orf85;P2RX5-TAX1BP3;P2RX1;ENSG00000262194	-0.60136	-4.00648	9.19E-05	0.040864

SLC44A4;VWA7;LY6G5C;NOTCH4;TNXB;NELFE;HSPA1L;C6orf10;TCF19;EHMT2;PBX2;ENSG00000225914;CLIC1;HSPA1A;DDR1;BAG6;CCHCR1	-0.54273	-4.00851	9.11E-05	0.040746
	-0.41774	-4.00672	9.18E-05	0.040864
	-0.45441	-4.00699	9.17E-05	0.040864
	-0.38767	-4.00641	9.19E-05	0.040864
	-0.34758	-4.00466	9.25E-05	0.041013
	-0.44614	-4.00416	9.27E-05	0.04105
	-0.71541	-4.00486	9.24E-05	0.041013
	0.2768	4.00569	9.21E-05	0.040935
DENND5B;METTL20;FAM60A;BICD1	-0.5404	-4.00197	9.35E-05	0.041186
	0.463787	4.003485	9.29E-05	0.041115
	-0.34676	-4.00309	9.31E-05	0.041135
	0.901814	4.001995	9.35E-05	0.041186
	-0.38323	-4.00256	9.33E-05	0.041177
LCK	0.382866	4.000701	9.39E-05	0.041304
MTG1	0.3652	4.000692	9.39E-05	0.041304
	0.3359	3.999505	9.44E-05	0.041451
IL16	-0.63391	-3.99833	9.48E-05	0.041513
	0.346032	3.999211	9.45E-05	0.041456
	0.314669	3.997935	9.49E-05	0.041533
FADS3;PTGDR2;RAB3IL1	0.473994	3.998743	9.46E-05	0.041488
	-0.36151	-3.99691	9.53E-05	0.041627
	-0.50021	-3.99519	9.59E-05	0.041804
HS3ST1	0.5281	3.996819	9.53E-05	0.041627
PTP4A3	-0.5013	-3.99519	9.59E-05	0.041804
POLD3;MAP6	0.32152	3.994148	9.63E-05	0.041868
	-0.34902	-3.994	9.64E-05	0.041868
ENSG00000272106;SSU72;FAM213B	0.304462	3.993016	9.68E-05	0.041985
	0.22134	3.994256	9.63E-05	0.041868
PTPRN2	0.421023	3.991288	9.74E-05	0.042215
	0.403585	3.991074	9.75E-05	0.042215
RCOR1;DIO3;ENSG00000232018;DIO3OS;MEG8	-0.61934	-3.98755	9.88E-05	0.042576
	0.287714	3.988128	9.86E-05	0.042576
ENSG00000260604;SLC22A23;ENSG00000233068;BPHL	-0.49918	-3.98774	9.87E-05	0.042576
	-0.62927	-3.98807	9.86E-05	0.042576
	0.519569	3.98621	9.93E-05	0.042753
TSSC1	-0.68759	-3.98493	9.98E-05	0.042879
CORO7;C16orf71;SMIM22;CDIP1;C16orf89;GLYR1;ENSG00000266994	-0.43228	-3.98764	9.88E-05	0.042576
FKBP10;IGFBP4;KRT23;KRT15	-0.6906	-3.98587	9.95E-05	0.042767
HN1L;RGS11;TMEM204;NME4;SOX8;TPSD1;UNKL;ENSG00000260807;CACNA1H;ENSG00000260051;RAB11FIP3;MSRB1	0.610504	3.983789	0.0001	0.042947
	0.265974	3.982691	0.000101	0.042947
EFCAB6;EFCAB6-AS1;TTLL1;ENSG00000233157;NFAM1;TTLL12	-0.43723	-3.98362	0.0001	0.042947

	-0.38137	-3.98199	0.000101	0.043021
TLN2	-0.37462	-3.98394	0.0001	0.042947
	-0.32696	-3.98286	0.000101	0.042947
COL15A1;NANS;TDRD7;FAM220CP;ENSG00000236896;GALNT12;ANKRD18CP;CCDC180;GABBR2	-0.46285	-3.98288	0.000101	0.042947
	-0.31791	-3.98019	0.000102	0.04322
RUNDC1;BECN1;TTC25;FKBP10;ACLY;TUBG2;PTRF;CNTNAP1;KRT15;PLEKHH3;MLX;ATP6V0A1;KAT2A;VPS25;RAMP2;AOC3;STAT3;COA3;COASY;CNTD1;LEPREL4;DHX58;PSME3;RAB5C;KRT31;RAMP2-AS1;HAP1;HMGN2P15	-0.41504	-3.98292	0.000101	0.042947
RNLS;STAMBPL1;FAS;ENSG00000235100;ACTA2-AS1	-0.53222	-3.98034	0.000102	0.04322
LINC00271;MYB;AHI1;ENSG00000234084;MYB-AS1	-0.55113	-3.98001	0.000102	0.04322
NCKAP5	0.359862	3.97965	0.000102	0.043237
	0.384683	3.977798	0.000103	0.043331
ENSG00000231980;ENSG00000233038;NCAPG2;PTPRN2;VIPR2;WDR60	-0.5846	-3.9778	0.000103	0.043331
C16orf93;ENSG00000260219;PHKG2;SETD1A;ZNF688;MVP;STX4	-0.29845	-3.97789	0.000103	0.043331
METTL24;LACE1;SMPD2;CD164;AK9;CCDC162P;C6orf183;ARMC2	-0.61785	-3.97936	0.000102	0.043242
TNXB;NOTCH4;C6orf10;NRM;ENSG00000225914	-0.36027	-3.97744	0.000103	0.043347
C8orf37;TP53INP1;NDUFAF6;PLEKHF2;ENSG00000253872;ENSG00000253773;ENSG00000253878	-0.44496	-3.97684	0.000103	0.043366
	0.27256	3.975749	0.000103	0.043459
	0.395348	3.97795	0.000103	0.043331
	0.356541	3.976188	0.000103	0.043429
	-0.40858	-3.97407	0.000104	0.043697
HSP90AA1;MOK;CKB;ENSG00000259508;ENSG00000260285;ENSG00000269958;WDR20;SNORA28;TRAF3	-0.44344	-3.97682	0.000103	0.043366
TCF21;EYA4;TBPL1;SLC2A12	0.374469	3.973509	0.000104	0.043749
FUOM	-0.60434	-3.97187	0.000105	0.043908
RFX2;PTPRS	0.292216	3.971701	0.000105	0.043908
	0.352029	3.971543	0.000105	0.043908
	0.313171	3.970131	0.000106	0.044071
KIF19;DNAI2;SMIM5;WBP2;HID1;FDXR;SMIM6	-0.31859	-3.97007	0.000106	0.044071
USP2-AS1;ENSG00000254561;USP2;OAF;PDZD3;CCDC153;MCAM	0.311189	3.972814	0.000105	0.043823
DFFB	-0.39113	-3.96842	0.000106	0.04423
	0.405722	3.968239	0.000106	0.04423
	-0.36443	-3.96905	0.000106	0.0442
THEM4;SELENBP1;POGZ;S100A11;HRNR;CGN;BNIPL;PSMD4	-0.40804	-3.96812	0.000106	0.04423
BAI1;PSCA;RHPN1-AS1;TOP1MT	-0.3803	-3.96767	0.000107	0.044264
	0.431916	3.967387	0.000107	0.044269
	0.480114	3.965438	0.000108	0.044515
	-0.36766	-3.96509	0.000108	0.04453

	-0.49152	-3.96433	0.000108	0.044568
NOS2	-0.51464	-3.96473	0.000108	0.04455
IL1RN;TMEM87B;MERTK;FBLN7;CKAP2L	-0.4003	-3.96293	0.000109	0.044685
	-0.31424	-3.96412	0.000108	0.044568
ENSG00000228242;ENSG00000251576;TMEM43;RAF1;C3orf83;FGD5P1;IQSEC1	-0.51831	-3.96575	0.000107	0.044505
	-0.43897	-3.96236	0.000109	0.044697
	-0.40986	-3.96331	0.000108	0.044664
RER1	0.344232	3.961174	0.000109	0.044858
NEK2;BATF3	0.436545	3.96247	0.000109	0.044697
	0.361746	3.959875	0.00011	0.045039
UQCRC1	-0.34602	-3.95921	0.00011	0.045111
	0.364253	3.958115	0.000111	0.045257
	0.388606	3.957668	0.000111	0.045291
	0.477142	3.954979	0.000112	0.045673
	0.384642	3.953309	0.000113	0.045747
PIEZO1;GALNS;ZCCHC14;CBFA2T3;ENSG00000224888;ENSG00000260121	-0.68012	-3.95548	0.000112	0.045629
	-0.63592	-3.95291	0.000113	0.045775
VSNL1;KCNS3	-0.5343	-3.95349	0.000113	0.045747
DOPEY2	-0.49421	-3.95398	0.000112	0.045747
DNAH2;CYB5D1;TMEM107;WRAP53;AURKB;EFNB3;TNFSF13;SAT2	-0.46219	-3.95371	0.000113	0.045747
C22orf34;MAPK12;ENSG00000235111	-0.39792	-3.95112	0.000114	0.04599
TNNT2;PKP1;IPO9;CAMSAP2	0.480346	3.951319	0.000114	0.04599
	-0.2619	-3.95417	0.000112	0.045747
GALNT6	0.279891	3.949818	0.000114	0.046112
	0.449225	3.949546	0.000114	0.046112
	0.409004	3.949503	0.000114	0.046112
SHANK2;SHANK2-AS1;SHANK2-AS3;SHANK2-AS2	0.507287	3.947082	0.000115	0.046405
RNF223	0.494746	3.947371	0.000115	0.046402
ALDH3B1;UNC93B1;FAM86C2P;PITPNM1;ENSG00000255306;GSTP1;ENSG00000254610;AIP;ENSG00000251637;ALG1L8P;ALDH3B2;CDK2AP2;SUV420H1;CHKA	-0.43614	-3.95094	0.000114	0.04599
RASA3;GAS6;F10;PCID2;CDC16	-0.60106	-3.94809	0.000115	0.046319
	-0.39414	-3.9462	0.000116	0.046438
C16orf71;CDIP1;SMIM22;GLYR1;C16orf89;ENSG00000266994;GLIS2;SEC14L5;CORO7;SRL;ROGDI	-0.42217	-3.9455	0.000116	0.046473
	0.426575	3.946864	0.000116	0.046405
	-0.26836	-3.94399	0.000117	0.046611
TWF1P1;ANKRD13B;SDF2;FOXN1	-0.46393	-3.94613	0.000116	0.046438
ELMO1	-0.48695	-3.94459	0.000117	0.046548
	0.34255	3.945181	0.000116	0.046486
CAPN9;ABCB10;ENSG00000244137;FAM89A;RAB4A	-0.59447	-3.94594	0.000116	0.046438
	0.399589	3.943415	0.000117	0.046613
	0.24254	3.943585	0.000117	0.046613
MYO5C;MYO5A;DMXL2;TMOD2	-0.51501	-3.94325	0.000117	0.046613

TMEM204;RNPS1	0.373162	3.938968	0.000119	0.047225
	-0.31363	-3.94056	0.000118	0.04705
DFFB;CEP104;ENSG00000269896	-0.44103	-3.93836	0.000119	0.047238
	-0.31115	-3.93886	0.000119	0.047225
	-0.64095	-3.93905	0.000119	0.047225
TNXB;SLC44A4;HLA-DOB	-0.35921	-3.93696	0.00012	0.047304
	0.462461	3.938129	0.000119	0.047238
	0.371813	3.938055	0.000119	0.047238
ERBB3;RPS26;RBMS2	0.509267	3.937359	0.00012	0.047277
	-0.60311	-3.93753	0.00012	0.047277
	0.364462	3.936013	0.00012	0.047385
LIFR	0.444506	3.936533	0.00012	0.047339
	0.443625	3.934678	0.000121	0.047456
	0.524034	3.934898	0.000121	0.047456
CARS;NAP1L4	-0.96837	-3.93579	0.000121	0.047385
	-0.36809	-3.93485	0.000121	0.047456
PLEKHG4B	-1.01102	-3.93299	0.000122	0.047615
NUGGC;FBXO16;LINC00589	-0.46978	-3.93442	0.000121	0.047459
RHOBTB2	0.42507	3.933575	0.000122	0.047569
SDCBP2	-0.83213	-3.93242	0.000122	0.047615
	0.389836	3.931944	0.000122	0.047648
GJC1;MEOX1;ENSG00000267002;MPP3;GFAP;GPATCH8;BRCA1;MPP2;FZD2;NMT1;NAGS;ETV4;ENSG00000267505;ENSG00000267595;UBTF;VAT1	-0.66603	-3.9312	0.000123	0.047696
	-0.31323	-3.93252	0.000122	0.047615
	0.413832	3.931202	0.000123	0.047696
MIA3;FAM177B;BROX	-0.60068	-3.93035	0.000123	0.047701
EXD2	-0.46616	-3.93022	0.000123	0.047701
SMPD3;ZFP90;TANGO6;SNTB2;HAS3;NQO1;CDH3;WWP2;SLC7A6;CIRH1A	-0.62486	-3.93236	0.000122	0.047615
	0.517904	3.930328	0.000123	0.047701
TRAF3IP1;COL6A3;MLPH;RAB17;ENSG00000232306;LINC01107;HES6	-0.56589	-3.92904	0.000124	0.047829
	0.276151	3.928433	0.000124	0.047877
	-0.22335	-3.92908	0.000124	0.047829
CDKN1A;RNF8;PI16	-0.58909	-3.93027	0.000123	0.047701
COL16A1;SDC3;TINAGL1	-0.54892	-3.92718	0.000125	0.047877
HOXB1;PRR15L;HOXB4;TBKBP1	-0.50008	-3.92712	0.000125	0.047877
LCNL1;PTGDS;GPSM1;UBAC1;UAP1L1;ENSG00000264527;TUBB4B;CAMSAP1;EGFL7;C9orf163;RNF224;INPP5E;NOTCH1;QSOX2;SLC34A3;AGPAT2;C9orf69;FAM166A;C9orf142;SNAPC4;MAN1B1;SEC16A	-0.3373	-3.92735	0.000124	0.047877
HHIPL1;DEGS2;EML1	-0.50736	-3.92809	0.000124	0.047877
ABHD12B;CDKL1;NIN;FRMD6;PYGL;ATP5S;ENSG00000258946;LINC00640	-0.4812	-3.92716	0.000125	0.047877
ENSG00000267275;NWD1;C19orf44;OCEL1;RPL18A;TPM4;COLGALT1	-0.36794	-3.92752	0.000124	0.047877

TSPAN15;TET1;PBLD	-0.49858	-3.92593	0.000125	0.048052
SOAT1;KIAA1614;AXDND1;QSOX1;STX6;XPR1;CEP350;ENSG000				
00234237	-0.37245	-3.92517	0.000125	0.048092
RDH10	0.393614	3.924929	0.000126	0.048092
FYB	-0.45188	-3.92421	0.000126	0.048108
	0.529901	3.924531	0.000126	0.048092
	-0.32049	-3.92291	0.000127	0.048174
	0.332264	3.923904	0.000126	0.048121
KIAA0513;FAM92B;ATP2C2;C16orf74;CRISPLD2;USP10;ENSG00				
000262601	-0.54933	-3.92466	0.000126	0.048092
	0.293657	3.923244	0.000126	0.048156
SEZ6;TLCD1;TRAF4	-0.32464	-3.92467	0.000126	0.048092
DHX32;FANK1;FANK1-AS1;ADAM12;BCCIP;LHPP	-0.46667	-3.92326	0.000126	0.048156
	0.430664	3.922028	0.000127	0.048294
CITED4;NFYC;SMAP2	-0.72664	-3.9208	0.000128	0.048477
JAK3;IL12RB1;FCHO1	-0.58295	-3.91997	0.000128	0.048587
	-0.25969	-3.91842	0.000129	0.048642
	0.329987	3.918138	0.000129	0.048642
TRIP13;NKD2;TPPP;NDUFS6;SLC12A7;LPCAT1;SDHAP3;MRPL36	-0.5268	-3.91785	0.000129	0.048642
GAS6;MCF2L;TMEM255B;TMCO3	0.378235	3.918524	0.000129	0.048642
	0.277574	3.918328	0.000129	0.048642
SECTM1;NPLOC4	0.377768	3.91875	0.000129	0.048642
	-0.37567	-3.91673	0.00013	0.048799
SCAMP2;COX5A;ISLR;RPP25	-0.73645	-3.91646	0.00013	0.048807
TTC21A;XYLB	-0.66187	-3.91781	0.000129	0.048642
	-0.37953	-3.91917	0.000128	0.048642
	-0.62768	-3.91564	0.00013	0.048915
GFPT1	0.438642	3.914198	0.000131	0.049018
RHD;ENSG00000261349	-0.41519	-3.91417	0.000131	0.049018
	-0.59235	-3.91436	0.000131	0.049018
	-0.31413	-3.91304	0.000131	0.049028
DNAJC16;KAZN;FHAD1;ENSG00000228140;AGMAT;DDI2;ENSG				
00000237301	-0.70438	-3.91405	0.000131	0.049018
ENSG00000141854;RASAL3;TECR	-0.46496	-3.91302	0.000131	0.049028
SRGAP3-AS2;JAGN1	-0.41224	-3.91275	0.000132	0.049028
ADD1;ENSG00000206113;HAUS3;ENSG00000249428	0.404049	3.913759	0.000131	0.049018
	0.398363	3.912735	0.000132	0.049028
TTC22	-0.28537	-3.91371	0.000131	0.049018
	-0.28001	-3.91196	0.000132	0.049117
	0.395939	3.911115	0.000132	0.049159
SLC20A2;AP3M2;SMIM19;VDAC3	-0.54483	-3.9114	0.000132	0.049149
	0.556027	3.911798	0.000132	0.049117
RAD52;ENSG00000249028;B4GALNT3	0.324052	3.909397	0.000133	0.04933
MKRN1	-0.47324	-3.91066	0.000133	0.049202
	0.408425	3.909284	0.000133	0.04933

IQCE;SUN1;HEATR2;MAD1L1;PSMG3-AS1;PSMG3;ELFN1;PRKAR1B;CYP2W1	-0.66177	-3.90938	0.000133	0.04933
	0.339903	3.908346	0.000134	0.049464
	0.382367	3.907946	0.000134	0.049496
	0.302842	3.907229	0.000134	0.049545
PPP1R3B	-0.53238	-3.90769	0.000134	0.049501
APITD1;CASZ1;UBE4B;FBXO6	-0.4742	-3.90579	0.000135	0.049773
LAMB2;BSN;KLHDC8B;MAP4;USP4;UCN2;SLC26A6;COL7A1;PRKAR2A	0.482202	3.905432	0.000135	0.049798
FUOM	-0.8414	-3.90271	0.000137	0.050185
	0.339495	3.90405	0.000136	0.049974
ROBO4;ESAM;PKNOX2;VSIG2;SIAE	0.364018	3.901943	0.000137	0.050245
CD97;ENSG00000141854;PODNL1;SYDE1;NOTCH3;EMR3;C19orf57	0.608055	3.904743	0.000136	0.049886
PIEZO1	0.277208	3.901995	0.000137	0.050245
NAA20	-0.36948	-3.90086	0.000138	0.050361
ENSG00000253320;NCALD;ENSG00000247081;AZIN1;ENSG00000253385;ENSG00000254281	-0.36237	-3.90063	0.000138	0.050361
DOPEY2;DSCR3	-0.4355	-3.90005	0.000138	0.050392
CDYL	0.475071	3.901568	0.000137	0.050274
	0.785606	3.898964	0.000139	0.05043
	0.770685	3.898498	0.000139	0.05043
	0.445481	3.898847	0.000139	0.05043
CXCL12;C10orf10;ZFAND4;MARCH8;RASSF4	-0.30375	-3.90043	0.000138	0.050361
PDGFA;HEATR2;PSMG3-AS1;SUN1;ENSG00000249574	-0.49633	-3.8997	0.000138	0.050415
EFCAB8;CBFA2T2	-0.54284	-3.89765	0.000139	0.05055
AKAP9;TFPI2;GNG11	-0.50936	-3.89852	0.000139	0.05043
ARHGEF38;ENSG00000250522;ARHGEF38-IT1;AIMP1	-0.39512	-3.89938	0.000138	0.05043
DNAJC16	0.371845	3.897075	0.00014	0.050574
CDIP1;GLIS2;ENSG00000262686	-0.36929	-3.89731	0.000139	0.050571
	0.393483	3.896586	0.00014	0.050594
TMOD3;MAPK6;CYP19A1;MYO5C;TMOD2;GLDN	-0.75556	-3.8956	0.00014	0.050643
DPEP2;RLTPR	-0.27039	-3.89638	0.00014	0.050594
GRAP2	-0.30508	-3.8948	0.000141	0.050667
	0.334942	3.895928	0.00014	0.050623
C22orf34;ENSG00000213279;MAPK12;ENSG00000235111;RABL2B;MAPK11;PLXNB2	-0.38176	-3.89501	0.000141	0.050667
	0.30263	3.894375	0.000141	0.050707
	0.385112	3.895193	0.000141	0.050667
CAPN5	0.66304	3.896299	0.00014	0.050594
KBTBD12	-0.62604	-3.89288	0.000142	0.050891
	-0.37164	-3.89362	0.000141	0.050809
	0.35885	3.892754	0.000142	0.050891
ATG9B	-0.53299	-3.89183	0.000142	0.050983
CAMTA1;SLC45A1	-0.32718	-3.89205	0.000142	0.050983
TEX30	-0.55669	-3.8913	0.000143	0.051035
	0.403055	3.890265	0.000143	0.051115

DZIP1;DNAJC3-AS1;GPR180;GPC6;DCT	-0.50946	-3.88927	0.000144	0.051222
PTGDS;GPSM1;UAP1L1;TUBB4B;EGFL7;C9orf163;LCNL1;AGPAT 2;DNLZ;MAN1B1	-0.37952	-3.8893	0.000144	0.051222
MEIS3P2;DHRS7B	-0.42354	-3.89075	0.000143	0.051065
	-0.59504	-3.89112	0.000143	0.051035
WDR45B;NOTUM;LRRC45	-0.47509	-3.88797	0.000145	0.051389
PLCD3;MAP3K14;MAPT;ENSG00000267288;HEXIM1;ACBD4;N MT1	-0.74851	-3.88875	0.000144	0.05128
	-0.42121	-3.88643	0.000145	0.051544
	-0.41194	-3.88571	0.000146	0.051574
	-0.50342	-3.8863	0.000145	0.051544
	0.359585	3.885952	0.000146	0.051568
	-0.43422	-3.88686	0.000145	0.051544
	0.398428	3.886383	0.000145	0.051544
	-0.35267	-3.88457	0.000146	0.051752
PSMD1	0.279614	3.883315	0.000147	0.05187
	-1.02088	-3.88387	0.000147	0.051846
TSPAN5	-0.39787	-3.88157	0.000148	0.052083
TSPAN1;LURAP1;TAL1;AKR1A1;PRDX1	0.372559	3.881172	0.000148	0.052083
CYB5D1;DNAH2;WRAP53;EFNB3;TMEM107;SLC2A4;KIAA0753; TEKT1	-0.58733	-3.88114	0.000148	0.052083
	0.686275	3.882147	0.000148	0.052057
	-0.26219	-3.88182	0.000148	0.052078
TMEM181;SERAC1;DYNLT1;EZR	-0.31264	-3.88028	0.000149	0.052125
SPINT1	-0.35293	-3.8804	0.000149	0.052125
	0.423032	3.880419	0.000149	0.052125
	0.409904	3.879979	0.000149	0.052141
ARHGAP39;MAPK15;FAM83H-AS1;ZNF34;TONSL;PPP1R16A;C8orf82;ZNF7;ENSG0000025497 3;ZNF250;ENSG00000214733;DGAT1;RECQL4;ZNF16;GRINA	-0.54681	-3.88361	0.000147	0.051854
	0.405838	3.878571	0.00015	0.05229
TNXB	-0.34107	-3.87874	0.00015	0.05229
	-0.68581	-3.87909	0.000149	0.052273
	0.441257	3.876394	0.000151	0.052602
MYO1D;CDK5R1;C17orf75	-0.63902	-3.87734	0.00015	0.052492
ZNF141;TACC3;LETM1;HAUS3;CTBP1-AS2	-0.63587	-3.87592	0.000151	0.052602
CCDC37;CHCHD6;ROPN1B;HEG1;FAM86JP;ALG1L;ALDH1L1;SN X4	-0.578	-3.87615	0.000151	0.052602
TXNL4A	0.30504	3.876022	0.000151	0.052602
	0.466698	3.873921	0.000152	0.052807
PTP4A3;BAI1	0.46584	3.873629	0.000153	0.052807
C17orf97;RPH3AL;ENSG00000262003;FAM101B	-0.71135	-3.87348	0.000153	0.052807
GPR97;KATNB1;CCDC135;CCDC113;C16orf80;NDRG4	-0.32196	-3.87381	0.000152	0.052807
C5orf49;FASTKD3;MTRR	-0.58977	-3.87485	0.000152	0.05277
ALDH1L1;ROPN1B	-0.43182	-3.87387	0.000152	0.052807
	-0.38718	-3.87295	0.000153	0.05285

	-0.32801	-3.87245	0.000153	0.052871
	0.443037	3.872199	0.000153	0.052871
	-0.53807	-3.87338	0.000153	0.052807
PTPRT;PLCG1;EMILIN3;ZHX3;MAFB	-0.68196	-3.87241	0.000153	0.052871
PCYT2;CCDC40;NOTUM;LRRC45;MAFG-AS1;LINC00482;ENSG00000261924;BAIAP2-AS1;TMEM105;GAA;C17orf70	-0.38212	-3.87177	0.000154	0.052884
SLC44A4;PPP1R18;CLIC1;NOTCH4;C6orf10;NELFE;HSPA1A;TNXB;FKBPL;HCP5;DDR1	0.427143	3.870856	0.000154	0.052884
PRR15;CHN2;ENSG00000223813	-0.55683	-3.8713	0.000154	0.052884
FGD2	0.546015	3.869895	0.000155	0.052884
	0.39828	3.870706	0.000154	0.052884
	-0.38365	-3.87056	0.000154	0.052884
	0.505427	3.870536	0.000154	0.052884
	-0.38997	-3.87015	0.000155	0.052884
	0.412329	3.870015	0.000155	0.052884
	0.402494	3.869294	0.000155	0.052884
	0.264265	3.869266	0.000155	0.052884
NPPC;UGT1A8;ENSG00000248705	0.451304	3.868736	0.000155	0.052884
ITPKB;C1orf95	0.392309	3.86896	0.000155	0.052884
ACP1	0.32576	3.869663	0.000155	0.052884
	0.448433	3.869475	0.000155	0.052884
	-0.52548	-3.86748	0.000156	0.05299
KPNA7;ENSG00000243554;BRI3;BAIAP2L1	-0.46427	-3.86736	0.000156	0.05299
	0.287758	3.868826	0.000155	0.052884
	-0.27543	-3.86778	0.000156	0.05299
	0.301549	3.865575	0.000157	0.053046
YWHAZP2	-0.47487	-3.8678	0.000156	0.05299
	0.470069	3.865784	0.000157	0.053046
	0.45322	3.866625	0.000157	0.053046
	-0.35802	-3.86595	0.000157	0.053046
	0.575103	3.865958	0.000157	0.053046
	-0.43005	-3.86477	0.000158	0.053046
NCALD;ENSG00000253320;ENSG00000247081;AZIN1;BAALC;ENSG00000254281;ENSG00000246263;CTHRC1;RRM2B	-0.87568	-3.86571	0.000157	0.053046
TRIM16;ADORA2B;MPRIP;COPS3;ENSG00000251537;FLCN;TRPV2;NT5M	-0.72628	-3.86419	0.000158	0.053067
	0.201301	3.865487	0.000157	0.053046
ADPRHL1;F10;TUBGCP3	-0.28803	-3.86522	0.000157	0.053046
MISP;KLF16	0.605681	3.864786	0.000158	0.053046
	-0.33616	-3.86406	0.000158	0.053067
DNAJC18;PCDHB9;WDR55;ZMAT2;ECSCR;PCDHB18;PCDHB7;IK;NDUFA2;SPATA24;SRA1;PCDHB12	-0.46395	-3.86382	0.000158	0.053067
GRIN3B;ENSG00000129951;PALM;PPAP2C;FSTL3;GPX4;CNN2;MIER2;ARID3A	-0.47257	-3.86495	0.000158	0.053046

ENSG00000206113;ENSG00000248399;ENSG00000249428;EN				
SG00000243894;SH3BP2	-0.80264	-3.86379	0.000158	0.053067
SYDE1;CD97;ENSG00000141854;PODNL1;NOTCH3	0.645584	3.863625	0.000158	0.053067
	-0.52716	-3.86257	0.000159	0.053236
CCDC88C;CALM1;TC2N;ENSG00000260711;FBLN5	-0.54741	-3.86219	0.000159	0.053265
	-0.36419	-3.86068	0.00016	0.053404
VPS37C	-0.24808	-3.8612	0.00016	0.05335
	-0.30564	-3.85986	0.000161	0.053404
MRGPRF;CARNS1;NDUFA3P2	-0.43818	-3.85975	0.000161	0.053404
	0.238563	3.860016	0.000161	0.053404
	0.448054	3.859419	0.000161	0.053411
APOBEC4;NCF2;LAMC2;SMG7;LAMC1;NMNAT2	-0.44311	-3.86201	0.000159	0.053265
PDCD6;NKD2;TPPP;LPCAT1;SDHA;TRIP13	-0.58643	-3.85966	0.000161	0.053404
DUSP4;TMEM66;FBXO16;FZD3;LINC00589	-0.44544	-3.8597	0.000161	0.053404
	-0.22403	-3.85809	0.000162	0.05363
	0.356092	3.857409	0.000162	0.05363
ABHD11;CLDN3;WBSCR22;CLDN4;LAT2	0.351948	3.857709	0.000162	0.05363
	-0.5273	-3.86117	0.00016	0.05335
CENPM;TTLL1;EFCAB6;MCAT;SMDT1;BIK;NHP2L1	-0.39372	-3.85667	0.000163	0.053717
SECTM1;PYCR1;LINC00482;NPLOC4;TMEM105	-0.38308	-3.85548	0.000163	0.053916
	0.17458	3.8573	0.000162	0.05363
WDR66;DNAH10;TCTN2;LRRC43;ABCB9;KNTC1;PITPNM2;RILPL				
2;MPHOSPH9;ZCCHC8;DIABLO;ENSG00000251497	-0.52449	-3.85783	0.000162	0.05363
	0.356863	3.854855	0.000164	0.053956
LPO	-0.3895	-3.85466	0.000164	0.053956
HEATR2;PSMG3-AS1;SUN1;FAM20C;PDGFA;MAD1L1	-0.4805	-3.85522	0.000164	0.053926
DACH1	-0.3656	-3.85427	0.000164	0.053994
TRAK1;FAM198A;ZBTB47;ULK4;CCDC13-AS1;HHATL-				
AS1;ZNF662	-0.51399	-3.85325	0.000165	0.054083
NRXN2;CCDC88B;STIP1;RASGRP2	-0.25973	-3.85329	0.000165	0.054083
HSPA13;RBM11	-0.88572	-3.85252	0.000165	0.054083
	0.209334	3.853154	0.000165	0.054083
	0.340887	3.852293	0.000165	0.054083
	0.401149	3.852565	0.000165	0.054083
	0.346461	3.852196	0.000165	0.054083
	-0.58358	-3.85263	0.000165	0.054083
	0.180732	3.851579	0.000166	0.054167
	0.376812	3.850727	0.000166	0.054227
THEM4;BNIPL;SELENBP1;CGN;SEMA6C;PSMD4;S100A11;HRNR	0.763252	3.850602	0.000166	0.054227
	0.327595	3.849044	0.000167	0.05427
	0.289346	3.849885	0.000167	0.054227
SPSB1;SLC45A1	-0.37788	-3.84966	0.000167	0.054227
	0.686342	3.849345	0.000167	0.05425
	0.319001	3.850148	0.000167	0.054227
	0.381345	3.849976	0.000167	0.054227
CITED4;HIVEP3;SMAP2	-0.58136	-3.84982	0.000167	0.054227

	0.475547	3.84799	0.000168	0.054415
	0.183503	3.850182	0.000167	0.054227
	0.331215	3.84793	0.000168	0.054415
	0.414778	3.847414	0.000168	0.054438
RASAL3;SYDE1;AP1M1	-0.39244	-3.8459	0.000169	0.054506
	0.42465	3.847677	0.000168	0.054426
P2RX4;CLIP1	-0.43468	-3.84647	0.000169	0.054506
ADAMTSL2;GBGT1;SARDH;SLC2A6;DBH-AS1;GTF3C5;SURF2;MED22;RALGDS;CACFD1	-0.54643	-3.84594	0.000169	0.054506
SEC14L1;UBALD2;ST6GALNAC2;RNF157;LINC00338;RHBDF2;ENSG00000267506	-0.45553	-3.84702	0.000169	0.054477
	0.249851	3.845875	0.000169	0.054506
	-0.52704	-3.84378	0.000171	0.054895
ENSG00000261574	0.263196	3.845885	0.000169	0.054506
	-0.27556	-3.84259	0.000171	0.055098
TSPAN4;LRRC56;DEAF1;TALDO1;IFITM3;ENSG00000250397;ENSG00000251661;RASSF7;MOB2;MUC5AC;B4GALNT4	-0.35746	-3.84235	0.000172	0.055106
	0.44568	3.840679	0.000173	0.055412
	0.377002	3.839446	0.000173	0.055585
	-0.61894	-3.83989	0.000173	0.055533
CMIP;GAN	-0.45827	-3.83875	0.000174	0.055688
SSR3	-0.50138	-3.83825	0.000174	0.055732
WDR45B;TBCD	-0.40187	-3.83814	0.000174	0.055732
COA7	-0.66026	-3.83712	0.000175	0.055904
THEM4;CGN;BNIPL;SELENBP1;PSMD4;S100A11;SEMA6C;ENSG00000234614	0.745021	3.836141	0.000176	0.056012
	0.476034	3.835322	0.000176	0.056012
	0.401527	3.835571	0.000176	0.056012
PDZRN3;PDZRN3-AS1;GXYLT2;SHQ1;PPP4R2	-0.39885	-3.8363	0.000176	0.056012
	0.288542	3.835211	0.000176	0.056012
	0.365069	3.835213	0.000176	0.056012
NME4;MSLN;CACNA1H;RGS11;SOX8;TMEM204;ENSG00000196674;ENSG00000260807;TPSD1;ENSG00000261659;RAB11FIP3	-0.49729	-3.83369	0.000177	0.056248
SRPK2;RINT1;EFCAB10;CDHR3	0.330485	3.834453	0.000177	0.056129
ENSG00000163075;INHBB;ENSG00000229326;PTPN4;RALB	-0.75198	-3.83578	0.000176	0.056012
	-0.48341	-3.83226	0.000178	0.056408
STYXL1;ENSG00000227038;RHBDD2;HIP1;POR;DTX2	-0.48383	-3.83214	0.000178	0.056408
NPR1;ATP8B2;GATAD2B;S100A6;JTB;CREB3L4;C1orf43;DENND4B;SNAPIN	-0.62057	-3.83256	0.000178	0.056403
	-0.42525	-3.83091	0.000179	0.056542
	0.429449	3.831549	0.000179	0.056449
TBX18;PKMP3;KIAA1009	-0.33907	-3.83314	0.000178	0.056322
ZNF432;C19orf48;ZNF614;JOSD2;FPR1;ZNF615;ENSG00000167765	-0.53342	-3.83176	0.000179	0.056446

BAIAP2;PCYT2;CCDC40;BAIAP2-AS1;SLC25A10	-0.54247	-3.8301	0.00018	0.056671
	0.319869	3.82966	0.00018	0.056697
TPPP;NKD2;LPCAT1;TRIP13;AHRR;PDCD6	0.496063	3.829589	0.00018	0.056697
	0.297035	3.829097	0.00018	0.056759
ENSG00000217801	-0.39971	-3.82787	0.000181	0.056861
ST6GALNAC1;SPHK1;ICT1;MRPS7;CASKIN2;SNHG16;SRP68;SMIM6	-0.40352	-3.82702	0.000182	0.056861
	-0.35128	-3.82746	0.000181	0.056861
ZNF607;ZNF569;SIRT2;ENSG00000267640;RYR1;PPP1R14A;ENSG00000225868	-0.46684	-3.82669	0.000182	0.056861
CASP7;AFAP1L2;PLEKHS1	-0.63455	-3.8267	0.000182	0.056861
C1QTNF7;ENSG00000251379;FGFBP1;PROM1	0.59672	3.827274	0.000182	0.056861
	0.432101	3.826714	0.000182	0.056861
	-0.44531	-3.8276	0.000181	0.056861
RTN3	-0.33668	-3.82625	0.000182	0.056861
MOCS1;ENSG00000235033;DAAM2	0.416357	3.826072	0.000182	0.056861
	0.31671	3.826211	0.000182	0.056861
	0.319613	3.826365	0.000182	0.056861
	-0.24562	-3.82522	0.000183	0.056962
LRRC63;GTF2F2	-0.47197	-3.8272	0.000182	0.056861
	0.359576	3.824703	0.000183	0.056962
SLC44A4;VWA7;LY6G5C;NELFE;NOTCH4;HSPA1L;TNXB;TCF19;C6orf10;ENSG00000225914;EHMT2;CLIC1;PBX2;HSPA1A;HNRNPA1P2;ENSG00000272221;BAG6;CCHCR1	-1.14568	-3.82493	0.000183	0.056962
	-0.51075	-3.82462	0.000183	0.056962
SEC22B	0.401138	3.825149	0.000183	0.056962
CCM2;MYO1G;AEBP1	-0.37914	-3.82407	0.000184	0.056996
ZNF532;ATP8B1;NARS;CCBE1;MALT1	-0.55353	-3.82425	0.000184	0.056996
ENSG00000198843;RNF13	0.416159	3.822637	0.000185	0.057137
	-0.38563	-3.8233	0.000184	0.05712
	0.331429	3.821973	0.000185	0.057196
	0.308752	3.822918	0.000185	0.057137
C14orf79;ADSSL1;INF2;IGHV3-23;IGHV3-21;JAG2;CRIP1;IGHV3-7;CDCA4;TMEM121;IGHV3-15;IGHA2	-0.94484	-3.82283	0.000185	0.057137
SH2D2A;FCRL5;HDGF;FCRL2	0.284411	3.821144	0.000186	0.057281
TAL1;TSPAN1;CMPK1;PRDX1;ENSG00000226252;TMEM69;MKNK1;CYP4B1;GPBP1L1;IPP	0.346179	3.820849	0.000186	0.057281
ASPA;ENSG00000263050;HIC1;C17orf85;TRPV3;P2RX1;ENSG00000262758	-0.41896	-3.82133	0.000186	0.057281
	0.29325	3.820802	0.000186	0.057281
	-0.4424	-3.822	0.000185	0.057196
	-0.26405	-3.81972	0.000187	0.057472
ASPA	0.394814	3.818592	0.000188	0.057631
CARD8;PLA2G4C;TEAD2;HRC;PRRG2;RCN3;RASIP1;FUT2;RRAS;CYTH2;RUVBL2;CPT1C;EMP3;HSD17B14;FCGRT;FAM83E;VRK3;PIH1D1	-0.44515	-3.81888	0.000187	0.05761

H2AFY;SAR1B	-0.49345	-3.81836	0.000188	0.05764
ENSG00000262877;SECTM1;LINC00482;RPTOR	0.311503	3.817362	0.000188	0.05773
TBCD	-0.43693	-3.81778	0.000188	0.057723
	-0.37114	-3.81694	0.000189	0.057779
	-0.34852	-3.81755	0.000188	0.05773
	-0.32698	-3.81602	0.000189	0.057812
	-0.24334	-3.81632	0.000189	0.057812
	-0.36424	-3.81658	0.000189	0.057812
	0.369234	3.81583	0.000189	0.057812
	-0.28632	-3.81553	0.00019	0.057835
	0.42682	3.815859	0.000189	0.057812
SCARB1;LINC00939;BRI3BP	-0.41826	-3.81478	0.00019	0.057915
TMC8	-0.5751	-3.81456	0.00019	0.057922
	-0.41897	-3.81398	0.000191	0.058004
SLCO4A1;OSBPL2;GATA5;CABLES2;LAMA5	-0.57167	-3.81486	0.00019	0.057915
	-0.29212	-3.81376	0.000191	0.058004
	0.315383	3.813603	0.000191	0.058004
IL32;UBE2I;TPSB2;TPSAB1;FLYWCH1	-0.37811	-3.81311	0.000191	0.058035
HLA-DOA;TAP2;HLA-DMA	0.501096	3.81266	0.000192	0.058044
SPATS2;CACNB3;FMNL3	0.255636	3.811694	0.000192	0.058048
	0.401547	3.813083	0.000191	0.058035
DNAJC16;KAZN;FHAD1;DDI2;ENSG00000228140;FBLIM1	-0.37509	-3.81286	0.000192	0.058041
HES6	-0.58011	-3.81133	0.000193	0.058066
	0.429353	3.811996	0.000192	0.058048
ENSG00000271553;GCC1	-0.44899	-3.81173	0.000192	0.058048
	-0.36667	-3.81187	0.000192	0.058048
	-0.50505	-3.81181	0.000192	0.058048
STARD10	-0.34434	-3.81041	0.000193	0.058086
	-0.38664	-3.81123	0.000193	0.058066
	-0.39813	-3.80949	0.000194	0.058086
	0.321258	3.809554	0.000194	0.058086
	0.212467	3.809924	0.000194	0.058086
	0.33871	3.809868	0.000194	0.058086
	0.364688	3.809489	0.000194	0.058086
	-0.45706	-3.80903	0.000194	0.058086
	0.237793	3.809143	0.000194	0.058086
	0.436323	3.810701	0.000193	0.058086
FUT2	0.325014	3.808879	0.000194	0.058086
BAIAP2L1;ZNF3;ZKSCAN1;KPNA7;GAL3ST4;AP4M1;BUD31;STAG3;ENSG00000272950;ENSG00000239521;LMTK2;TMEM130;CPSF4;ARPC1A	-0.32471	-3.80933	0.000194	0.058086
ENSG00000269696	0.517947	3.808381	0.000195	0.058153
NUBPL;HEATR5A;HECTD1;SCFD1;ENSG00000257831;AP4S1	-0.77662	-3.80902	0.000194	0.058086
	0.556167	3.807537	0.000195	0.058296
	0.394199	3.806587	0.000196	0.058421
	-0.50259	-3.80687	0.000196	0.0584

PRR15;INMT;AQP1;GGCT;CHN2;ADCYAP1R1;ZNRF2;MTURN;EN SG00000223813	-0.4313	-3.80634	0.000196	0.058435
ENSG00000239521;STAG3;PCOLCE;MUC12;GNB2;GAL3ST4;EP HB4	-0.57709	-3.80532	0.000197	0.058493
RPS3AP26	-0.42109	-3.80488	0.000197	0.058508
	-0.34146	-3.80539	0.000197	0.058493
	0.364896	3.805325	0.000197	0.058493
SLC34A3	-0.24095	-3.80499	0.000197	0.058508
	-0.3677	-3.80585	0.000197	0.058493
	-0.31857	-3.80352	0.000198	0.058634
	0.443486	3.803723	0.000198	0.058634
TEKT2;OSCP1;ADPRHL2;ENSG00000232862;C1orf216;GRIK3;M AP7D1;ENSG00000201448;KIAA0319L;THRAP3;STK40;COL8A2; AGO3	-0.54084	-3.80415	0.000198	0.058625
	-0.4079	-3.80214	0.000199	0.058634
	-0.5192	-3.8019	0.0002	0.058634
JAM2;ADAMTS1;ADAMTS5;CYYR1;ENSG00000197934	-0.4366	-3.80224	0.000199	0.058634
ENSG00000259901;ENSG00000259768;ENSG00000271009	-0.46377	-3.80192	0.0002	0.058634
	-0.31149	-3.80323	0.000199	0.058634
FGFR1;RAB11FIP1;GPR124;TACC1;DDHD2	-0.30254	-3.80189	0.0002	0.058634
CCDC89;SYTL2;CCDC81;TMEM126A;C11orf73	-0.51674	-3.80195	0.0002	0.058634
	0.372914	3.801915	0.0002	0.058634
CLEC1A;PZP;A2M;FAM66C;MFAP5;FAM90A1	-0.57511	-3.80237	0.000199	0.058634
	0.41855	3.802737	0.000199	0.058634
	-0.37463	-3.8008	0.0002	0.058831
	-0.35835	-3.80031	0.000201	0.058898
	-0.48697	-3.79965	0.000201	0.058961
	0.440499	3.799978	0.000201	0.058931
RLTPR;SLC12A4;CDH5;CMTM3	-0.30766	-3.79907	0.000202	0.059007
	-0.31612	-3.79893	0.000202	0.059007
TTC7B	-0.62845	-3.79847	0.000202	0.059007
	0.407372	3.79834	0.000202	0.059007
	-0.49466	-3.79865	0.000202	0.059007
B3GNT3;ISYNA1;USHBP1;PLVAP;OCEL1;SIN3B;NWD1;NR2F6;LS M4;KLHL26;MYO9B;ARRDC2;RAB3A;COLGALT1;CRTC1	-0.50532	-3.79728	0.000203	0.059039
UNC93B1;ALDH3B1;CDK2AP2	-0.43463	-3.79743	0.000203	0.059039
	0.400395	3.797391	0.000203	0.059039
LRP11;PPP1R14C	-0.38273	-3.79807	0.000202	0.059026
SH3TC1;AFAP1;PSAPL1;SORCS2;ABLIM2;HTRA3;AFAP1-AS1;ENSG00000251615	-0.76092	-3.7973	0.000203	0.059039
ANXA4;ENSG00000188971	0.468762	3.796618	0.000204	0.059128
TTC39A;ZCCHC11;ENSG00000261664	0.597836	3.796508	0.000204	0.059128
	-0.52021	-3.79854	0.000202	0.059007
COG7;ERN2;ENSG00000261583	-0.45585	-3.79553	0.000204	0.05926
	-0.39458	-3.79518	0.000205	0.05926
	-0.41497	-3.79533	0.000205	0.05926

GLYR1;GLIS2	-0.35136	-3.79551	0.000204	0.05926
CALML6	-0.78644	-3.79499	0.000205	0.05926
	0.257145	3.794702	0.000205	0.059284
	0.215468	3.793035	0.000206	0.059572
	0.345394	3.792824	0.000206	0.059578
	0.467174	3.793214	0.000206	0.059572
LSP1;C11orf89;C11orf21;TSPAN32	-0.39513	-3.79111	0.000208	0.059798
	-0.51146	-3.79134	0.000208	0.059787
ERG;BRWD1	-0.40964	-3.792	0.000207	0.05972
ENSG00000226328;ENSG00000238120;FBLN1;RIBC2;NUP50;ENSG00000273243	0.294113	3.790544	0.000208	0.059876
	0.220746	3.789311	0.000209	0.059876
	0.455786	3.789598	0.000209	0.059876
TMPRSS3;RSPH1;C21orf128;ENSG00000225431;SLC37A1;ZNF295-AS1;LINC00479;ABCG1;LINC00111;UMODL1;TFF3;PDE9A;FAM3B;ENSG00000235772;TMPRSS2;WDR4;C2CD2	-0.46209	-3.79134	0.000208	0.059787
ENSG00000230733	0.884571	3.790026	0.000209	0.059876
ENSG00000215158	0.320428	3.789803	0.000209	0.059876
HLA-DPB1;HLA-DOA	0.391463	3.789252	0.000209	0.059876
	0.271937	3.790102	0.000209	0.059876
	-0.83894	-3.78836	0.00021	0.059876
PSMG3;SUN1;PRKAR1B;GPR146;CHST12;MAD1L1;HEATR2;IQCE	-0.79421	-3.7886	0.00021	0.059876
	0.390284	3.788996	0.000209	0.059876
	-0.32301	-3.78856	0.00021	0.059876
ESPN;NPHP4;HES2;GPR153;PHF13	0.416582	3.788274	0.00021	0.059876
	-0.41683	-3.78807	0.00021	0.059876
C1orf189	0.351194	3.78803	0.00021	0.059876
	-0.41842	-3.78787	0.00021	0.059876
	-0.42731	-3.7867	0.000211	0.060055
BACH2;LYRM2;SRSF12	0.280972	3.790183	0.000208	0.059876
GRIP2	-0.31714	-3.78635	0.000211	0.060055
CUZD1	0.489432	3.786397	0.000211	0.060055
	0.514812	3.787315	0.000211	0.059959
	0.378713	3.785629	0.000212	0.060175
	-0.43746	-3.78486	0.000213	0.060227
	-0.3629	-3.78507	0.000212	0.060227
CSF3R;STK40	-0.29239	-3.78486	0.000213	0.060227
	0.456666	3.784009	0.000213	0.060246
ODF2L;WDR63;MCOLN3;DDAH1;MIR4423;LPAR3	-0.45404	-3.78461	0.000213	0.060243
	-0.26942	-3.78435	0.000213	0.060246
	0.361393	3.783339	0.000214	0.060327
APPL2;C12orf75;TXNRD1;NUAK1	-0.51615	-3.78388	0.000213	0.060246
	0.453638	3.78293	0.000214	0.060339
CKB	-0.4318	-3.78419	0.000213	0.060246

FSTL3;MISP;R3HDM4;SHC2;PPAP2C;PALM;GAMT;ADAMTSL5;MUM1;CFD;TCF3	-0.40258	-3.78295	0.000214	0.060339
	-0.44047	-3.78262	0.000214	0.060369
	0.389272	3.781671	0.000215	0.060542
TSPAN9	0.37386	3.780752	0.000216	0.060617
CDCP1;LZTFL1;XCR1;CXCR6;LARS2;TMEM158;SLC6A20;CCR5	-0.6035	-3.78122	0.000216	0.060602
KIAA1211L;TMEM131;TSGA10;INPP4A;ZAP70;YWHAQP5;ENSG00000273045;ENSG00000231822;TXNDC9;COX5B;VWA3B	-0.32279	-3.78001	0.000216	0.060617
	-0.54484	-3.78091	0.000216	0.060617
ALOX12P2;CLDN7;ACAP1;SCARNA21;DVL2;CLEC10A;FAM64A;CTC1;ACADVL	0.884883	3.779858	0.000217	0.060617
KIAA1462	-0.50149	-3.77993	0.000217	0.060617
	0.344464	3.779738	0.000217	0.060617
	0.395782	3.779602	0.000217	0.060617
CDC5L;HSP90AB1;AARS2;MRPL14;TJAP1	0.3286	3.779239	0.000217	0.060617
SEC61G;CHCHD2;CCT6A	0.370164	3.779288	0.000217	0.060617
DIO2	0.427657	3.779403	0.000217	0.060617
	0.416006	3.778846	0.000217	0.060617
CACNA1C-AS4;CACNA1C;TSPAN9	-0.62627	-3.77868	0.000218	0.060617
TSPAN4	-0.32162	-3.77796	0.000218	0.060739
SLC37A1;TMPRSS2;RIPK4;UBASH3A	-0.43362	-3.77753	0.000218	0.060757
ATPIF1;ENSG00000270605;TRNAU1AP;TMEM200B;SNORA73B;SNHG12	-0.5922	-3.77897	0.000217	0.060617
SPSB1;SLC45A1	-0.52513	-3.77648	0.000219	0.060874
XYLT1	-0.48976	-3.77919	0.000217	0.060617
KIAA1755;SOGA1;VSTM2L;RPRD1B;SAMHD1;RALGAPB;TGIF2;MYL9;RPN2	-0.36597	-3.77756	0.000218	0.060757
	-0.39257	-3.77709	0.000219	0.060783
SMIM14;RBM47;NSUN7	-0.45967	-3.77625	0.00022	0.060885
ARHGAP39	-0.31352	-3.77609	0.00022	0.060885
MAP3K19;MGAT5;NCKAP5	-0.62087	-3.7751	0.00022	0.060937
	-0.36351	-3.7757	0.00022	0.060892
CGNL1;TCF12;LINC00926	-0.5245	-3.77707	0.000219	0.060783
	-0.29266	-3.7748	0.000221	0.060937
RPP40;CDYL	-0.50926	-3.77483	0.000221	0.060937
HRH2;THOC3	-0.68406	-3.77573	0.00022	0.060892
	0.445779	3.77415	0.000221	0.060984
C12orf36;GPRC5A	-0.44374	-3.77532	0.00022	0.060937
	0.510816	3.773055	0.000222	0.061175
LRP2;ABCB11;SPC25;NOSTRIN	-0.55632	-3.77462	0.000221	0.06094
	-0.45131	-3.77407	0.000221	0.060984
NEK2;TRAF5	-0.63188	-3.77219	0.000223	0.061298
	-0.27799	-3.77212	0.000223	0.061298
PHLDB1;KMT2A;PCSK7;MPZL3;ENSG00000255176;C2CD2L;FXYD2;TAGLN;IL10RA;IFT46;UBE4A;ATP5L	-0.47986	-3.77181	0.000223	0.0613

	-0.60089	-3.77199	0.000223	0.061298
	0.478136	3.771249	0.000224	0.061387
	-0.38932	-3.76994	0.000225	0.061607
RASA3;PCID2;F10	-0.4847	-3.76936	0.000225	0.061686
FARP1;CLYBL;TM9SF2;DOCK9	-0.43472	-3.77077	0.000224	0.061455
FAM78B	-0.50674	-3.76889	0.000226	0.061686
HMHA1;ARID3A;PPAP2C	-0.4345	-3.76806	0.000226	0.061776
PRICKLE4	0.338384	3.768949	0.000226	0.061686
	0.185093	3.769022	0.000225	0.061686
	-0.50684	-3.7679	0.000226	0.061776
BAI1;EEF1D;PSCA;FAM83H-AS1	-0.47278	-3.76781	0.000226	0.061776
	0.435696	3.766152	0.000228	0.062099
FUCA1;GALE;RCAN3;STPG1;ID3;NIPAL3;SRRM1;KDM1A	-0.37501	-3.76588	0.000228	0.062099
LRRC56;MUC5B	-0.4261	-3.76824	0.000226	0.061776
	0.526683	3.765986	0.000228	0.062099
GIPC3;SCAMP4;GNG7;TBXA2R;CSNK1G2;OAZ1;SPPL2B;GNA15; GNA11;PLEKHJ1	-0.41585	-3.76526	0.000229	0.062202
TBC1D10C;CARNS1;GSTP1;ALDH3B2	-0.51167	-3.76433	0.000229	0.062216
	0.312921	3.764401	0.000229	0.062216
	0.315701	3.764626	0.000229	0.062216
	0.345184	3.764939	0.000229	0.062216
	0.285489	3.764165	0.00023	0.062216
KIAA0895;ELMO1	-0.46542	-3.76437	0.000229	0.062216
NARF	-0.49666	-3.76274	0.000231	0.062409
	0.350555	3.763239	0.00023	0.06239
	0.174326	3.762666	0.000231	0.062409
	-0.69859	-3.76264	0.000231	0.062409
	0.378079	3.761065	0.000232	0.062694
MISP;FSTL3	-0.75666	-3.7616	0.000232	0.06261
	0.380614	3.759526	0.000234	0.062945
NME4;CACNA1H;ABCA3;HN1L;TMEM204;UNKL;SOX8;ENSG000 00260807;ENSG00000196674;RAB11FIP3	-0.73933	-3.75919	0.000234	0.062959
	0.394385	3.759057	0.000234	0.062959
FOXF1;FENDRR;ENSG00000262601;USP10;KIAA0513;CRISPLD2 ;FOXL1;EMC8;FAM92B	-0.55352	-3.75889	0.000234	0.062959
	0.23229	3.758666	0.000234	0.062973
TMEM45B;ARHGAP32;ENSG00000255455	-0.69673	-3.75947	0.000234	0.062945
CIB1;WDR93;TICRR;IDH2;ENSG00000258551;ENSG000002595 61;KIF7;RCCD1;PRC1;UNC45A;SV2B;SEMA4B;C15orf38	-0.44889	-3.75954	0.000233	0.062945
	0.269276	3.757547	0.000235	0.063081
	-0.52021	-3.75715	0.000236	0.063081
	0.36781	3.756798	0.000236	0.063081
CARD8;FUT2	0.321995	3.756568	0.000236	0.063081
	-0.36407	-3.75818	0.000235	0.063045
RAB6A	0.247537	3.756896	0.000236	0.063081
	-0.34995	-3.7565	0.000236	0.063081

	0.404928	3.75653	0.000236	0.063081
	-0.39254	-3.75588	0.000237	0.063094
	-0.38381	-3.75673	0.000236	0.063081
	0.293489	3.755827	0.000237	0.063094
RNF166;CBFA2T3;ENSG00000261226;ENSG00000259881;PIEZO1	-0.31935	-3.7559	0.000237	0.063094
MAL2;ENSG00000253972;SAMD12	-0.50838	-3.75498	0.000237	0.063198
PKP2	-0.59171	-3.75546	0.000237	0.063126
WDR54;ALMS1;C2orf81;TACR1;ENSG00000234521;M1AP;BOLA3;ACTG2;LOXL3;DCTN1-AS1;NAT8;HMGA1P8;INO80B;RTKN;TET3;ALMS1P;SEMA4F;TTC31;DQX1;DGUOK;DOK1	-0.3441	-3.75708	0.000236	0.063081
DYNLT1	-0.44525	-3.7542	0.000238	0.063263
SKI;ANKRD65;MORN1;ENSG00000272106;FAM213B;CALML6;C1orf222;ATAD3A;SSU72;ENSG00000269896;VWA1;LINC00982;RER1	-0.70733	-3.75467	0.000238	0.063232
	-0.3736	-3.75577	0.000237	0.063094
TPPP	0.365607	3.754004	0.000238	0.063269
CACNA1C;CACNA1C-AS4;TULP3;ITFG2;NRIP2;CACNA1C-IT3	-0.67783	-3.75319	0.000239	0.06338
CPSF3	-0.62056	-3.75437	0.000238	0.063262
	0.515655	3.753388	0.000239	0.063373
	0.247998	3.751964	0.00024	0.063588
PDCD6;TPPP;TRIP13;LPCAT1;MRPL36;NDUFS6;NKD2;SDHA	-0.41509	-3.75231	0.00024	0.063547
GFM2;FAM169A	-0.34113	-3.75084	0.000241	0.063707
ENSG00000262118	-0.27114	-3.75062	0.000241	0.063707
	-0.25611	-3.75074	0.000241	0.063707
FAM81A;MYO1E;CGNL1;AQP9;CCNB2;ENSG00000259732	-0.56181	-3.75111	0.000241	0.063707
RASAL1;DTX1;SLC8B1	0.430165	3.74993	0.000242	0.063741
BARX2;C11orf45;KCNJ1	0.636974	3.750657	0.000241	0.063707
AIP;ENSG00000255306;ENSG00000254610	-0.31038	-3.74963	0.000242	0.063741
INTS5	-0.3128	-3.74958	0.000242	0.063741
	-0.23381	-3.74931	0.000242	0.063741
CBFA2T3;ENSG00000261226;ENSG00000259881;RNF166	-0.41959	-3.74884	0.000243	0.06381
NR2F6;B3GNT3	-0.31309	-3.75013	0.000242	0.063741
	-0.32203	-3.74825	0.000243	0.06387
ARID3A;MISP;MOB3A;SHC2;HMHA1;PPAP2C;FSTL3;REEP6	-0.44233	-3.7493	0.000242	0.063741
	0.379209	3.750267	0.000242	0.063741
	0.474183	3.747352	0.000244	0.064021
UBE2Q2P1;EFTUD1P1	-0.51177	-3.747	0.000245	0.064047
	-0.2321	-3.74728	0.000244	0.064021
	0.396588	3.748286	0.000243	0.06387
LINC00908;MBP	-0.51984	-3.74611	0.000245	0.06415
	-0.38189	-3.74544	0.000246	0.06422

DHRS9;NOSTRIN;CERS6;ABCB11	-0.41835	-3.7459	0.000246	0.06415
NKD2;PDCD6;TPPP;TRIP13;AHRR	0.491222	3.74592	0.000246	0.06415
PLCH1-AS1;PLCH1;KCNAB1	0.516832	3.744478	0.000247	0.064368
	0.231222	3.745086	0.000246	0.064263
	0.471175	3.743337	0.000248	0.064521
DTHD1;ENSG00000247193	-0.55733	-3.74634	0.000245	0.06415
RARRES3	0.324677	3.742976	0.000248	0.064567
ST6GALNAC2;RHBDF2;RNF157;SPHK1;SEC14L1	-0.48394	-3.74349	0.000248	0.064521
	-0.44691	-3.74196	0.000249	0.064654
GNA15;ZNF57;GIPC3;STAP2;TJP3;LRG1;TBXA2R;CHAF1A	-0.45721	-3.74222	0.000249	0.064654
	-0.38856	-3.74217	0.000249	0.064654
FGFR3;RNF212;PDE6B;POLN;HAUS3;ENSG00000272927;ENSG0				
0000273179	-0.62224	-3.74195	0.000249	0.064654
	-0.34296	-3.7438	0.000247	0.064489
	0.362003	3.741173	0.00025	0.064782
	0.454187	3.741079	0.00025	0.064782
ENSG00000260219	-0.37162	-3.74054	0.00025	0.064793
GALK2;FAM227B;SECISBP2L;SLC27A2;USP8;HDC;ENSG0000025				
9531;TRPM7	-0.69737	-3.74084	0.00025	0.064793
	0.254537	3.74068	0.00025	0.064793
	-0.35076	-3.74007	0.000251	0.064866
WDR45B;PCYT2;LRRC45;BAIAP2-AS1;MAFG-				
AS1;NOTUM;CCDC57;LINC00482	-0.47896	-3.73946	0.000251	0.064914
	0.241458	3.739372	0.000252	0.064914
	-0.39771	-3.73966	0.000251	0.064914
	-0.4404	-3.73866	0.000252	0.065046
	-0.27494	-3.73784	0.000253	0.065125
KIAA1755;RPRD1B	-0.43737	-3.7383	0.000252	0.065092
	0.265601	3.737544	0.000253	0.065155
	-0.40637	-3.73786	0.000253	0.065125
	0.427199	3.736763	0.000254	0.065205
NME4;TMEM204;HN1L;CACNA1H;RGS11;SOX8;ENSG00000196				
674;UNKL	-0.47557	-3.73668	0.000254	0.065205
	-0.46415	-3.73695	0.000254	0.065205
MAPK8IP1;TSPAN18;CRY2	-0.34063	-3.73617	0.000254	0.065229
	-0.2021	-3.73676	0.000254	0.065205
	0.468804	3.735926	0.000255	0.065229
	0.466188	3.735957	0.000255	0.065229
	-0.47437	-3.73608	0.000255	0.065229
KLHDC1	0.483167	3.735219	0.000255	0.065281
YWHAZP4	0.417665	3.735732	0.000255	0.065237
	0.237979	3.734758	0.000256	0.065314
FAM179A;ENSG00000226833;ENSG00000229951;CLIP4	-0.34675	-3.73556	0.000255	0.065238
	0.367228	3.734781	0.000256	0.065314
TMEM254	-0.45033	-3.73366	0.000257	0.065421
	0.342107	3.733684	0.000257	0.065421
	0.404291	3.732788	0.000258	0.065553

LRRC71;MUC1;PYGO2;NES	-0.29658	-3.7336	0.000257	0.065421
MYO5C	-0.54161	-3.73363	0.000257	0.065421
ZNF204P;BTN3A3;HCG11;BTN2A3P;ZNF391	-0.60229	-3.7335	0.000257	0.065421
PSMG3;GPR146;GNA12	0.43818	3.732105	0.000258	0.065605
RCOR1	-0.4959	-3.73208	0.000258	0.065605
PSMG3-AS1;HEATR2;SUN1;PDGFA;FAM20C;MAD1L1;ENSG00000249852;ZFAND2A;PRKAR1B	-0.45528	-3.73222	0.000258	0.065605
	-0.41573	-3.73152	0.000259	0.065662
	0.417409	3.731645	0.000259	0.065662
	0.56439	3.730772	0.00026	0.065768
	0.383353	3.730763	0.00026	0.065768
	0.372803	3.729854	0.00026	0.065903
CNDP2;CYB5A	-0.35601	-3.72956	0.000261	0.065903
ZKSCAN1;BAIAP2L1;ZNF3;KPNA7;AP4M1;MCM7;BRI3;BUD31;CPSF4;ZNF655;TMEM130;ZSCAN25;ENSG00000272950	-0.60333	-3.72981	0.00026	0.065903
KIAA1107;GLMN;RPAP2	-0.43292	-3.72969	0.000261	0.065903
PIK3R5;CLDN7;MFSD6L	0.271446	3.728949	0.000261	0.066001
OAF;C2CD2L;PHLDB1;MCAM;ENSG00000255176;USP2-AS1;DPAGT1;KMT2A;CCDC153;USP2	-0.35421	-3.72883	0.000261	0.066001
HHAT;TRAF3IP3	-0.37843	-3.72792	0.000262	0.066088
	0.297469	3.728534	0.000262	0.066034
	-0.25965	-3.72754	0.000263	0.066099
SDCBP2;NSFL1C;SIRPA;SOX12	-0.54971	-3.72677	0.000263	0.06612
	0.461488	3.727827	0.000262	0.066088
CARS	0.376678	3.726953	0.000263	0.06612
FAM221A;MPP6;STK31;ENSG00000228649;GPNMB;FAM126A	-0.37554	-3.72803	0.000262	0.066088
FIBIN;MUC15;ENSG00000224411;CCDC34	-0.46022	-3.7273	0.000263	0.066099
MAP2K5	0.414037	3.726528	0.000264	0.06612
MLLT4;ENSG00000228648;DACT2	0.353244	3.7261	0.000264	0.06612
EPPIN;SLPI;SYS1;WFDC6;WFDC3;SLC2A10;WFDC2;SLC13A3;TOMM34;DNTTIP1;HSPD1P21;STK4;PIGT;TP53RK	-0.50202	-3.72733	0.000263	0.066099
	-0.41007	-3.72519	0.000265	0.066248
ANKRD54;DNAL4;CBY1;FAM227A;SOX10;GTPBP1;LGALS1;C22orf23;ENSG00000229955;CDC42EP1;APOBEC3D	-0.34697	-3.72614	0.000264	0.06612
LINC00638	-0.39564	-3.72609	0.000264	0.06612
KCNA3;DENND2D;CD53	0.320976	3.725058	0.000265	0.066248
	0.390961	3.725344	0.000265	0.066248
ENSG00000272604;CDHR3;RINT1;SRPK2;EFCAB10	-0.52781	-3.72649	0.000264	0.06612
	0.38299	3.724927	0.000265	0.066248
KCNQ1OT1	0.502571	3.723729	0.000266	0.066461
MEIG1;CDNF;C10orf111;RPP38;ACBD7;FAM107B;ITGA8;FRMD4A	-0.52105	-3.72374	0.000266	0.066461
PRKAR2A-AS1	-0.31713	-3.72337	0.000267	0.066472
HRH1	-0.64088	-3.72354	0.000267	0.066468

	0.35762	3.723035	0.000267	0.066514
SEC14L5	-0.57781	-3.72271	0.000267	0.066532
	0.328264	3.722556	0.000268	0.066532
	-0.38054	-3.72249	0.000268	0.066532
NES;PEAR1;ASH1L;MUC1;SHC1;MEF2D;SYT11;MTX1;SLC50A1;HDGF;HCN3;ENSG00000231064;SEMA4A;ARHGEF2;RUSC1;PMF1;PYGO2;PBXIP1;LAMTOR2;MEX3A;ASH1L-AS1;ENSG00000223503	-0.74232	-3.72182	0.000268	0.066539
ZNF57	-0.61016	-3.72193	0.000268	0.066539
	0.376231	3.721981	0.000268	0.066539
	-0.45099	-3.72193	0.000268	0.066539
	-0.21351	-3.72132	0.000269	0.066622
	-0.40789	-3.72068	0.000269	0.066739
KIF3B;CCM2L;BPIFB1;CBFA2T2;SNTA1;COMMD7	-0.38327	-3.72049	0.00027	0.066747
	0.439156	3.7196	0.00027	0.066927
	0.374598	3.719441	0.000271	0.066927
ACAP1;CLDN7;ALOX12P2;CLEC10A;CTC1;SCARNA21;DVL2;ACADVL	0.643124	3.718364	0.000272	0.067153
	-0.41868	-3.71791	0.000272	0.067226
	0.411407	3.717547	0.000272	0.067276
CBFA2T3;ENSG00000259881;PIEZO1;ENSG00000260121;ENSG00000261226;RNF166	-0.45744	-3.71675	0.000273	0.067395
	-0.23495	-3.71676	0.000273	0.067395
	0.382577	3.714676	0.000275	0.067729
	-0.51758	-3.71501	0.000275	0.067706
	-0.46195	-3.71566	0.000274	0.067625
	0.4029	3.715355	0.000275	0.067661
	-0.31644	-3.71461	0.000275	0.067729
SRGAP3-AS2;ENSG00000206567;PRRT3;JAGN1;OGG1;RPUSD3;LMCD1	-0.5062	-3.71353	0.000276	0.067958
EML6;CLHC1;C2orf73;ENSG00000203327	-0.34991	-3.71328	0.000277	0.06798
ALPL;HSPG2	-0.26817	-3.71154	0.000279	0.068374
ARHGAP32;TMEM45B;KCNJ1	-0.41188	-3.71099	0.000279	0.068446
HHATL-AS1;ZBTB47;ULK4;FAM198A	0.428142	3.710599	0.000279	0.06849
SYS1;EPPIN;TOMM34;WFDC6;WFDC3;HSPD1P21;SDC4;PKIG;WFDC2;DNTTIP1;PIGT;ZNF663P;SLPI;WISP2;ZNF335;ENSG00000269549;MKRN7P	-0.46485	-3.71094	0.000279	0.068446
	0.310667	3.710066	0.00028	0.06849
NPR1;ATP8B2;JTB;CREB3L4;SLC27A3;DENND4B;GATAD2B;S100A6;C1orf43	-0.42273	-3.70982	0.00028	0.06849
	-0.37241	-3.70933	0.000281	0.06849
PTK2B	-0.37447	-3.70922	0.000281	0.06849
NXN;INPP5K;SCARF1	-0.64172	-3.70923	0.000281	0.06849
	-0.33956	-3.7092	0.000281	0.06849
CAMTA1;HES2	0.380708	3.710302	0.00028	0.06849
	0.408156	3.709461	0.000281	0.06849

WDR93;ENSG00000259561;TICRR;MFGE8;HAPLN3;CIB1;POLG;				
CRTC3;KIF7	-0.3578	-3.7088	0.000281	0.068552
	-0.4531	-3.70981	0.00028	0.06849
	-0.42197	-3.707	0.000283	0.068925
ALDH3B2;TPCN2;UNC93B1;FAM86C2P;GSTP1;MRGPRF;MTL5;T				
BC1D10C;CARNS1	-0.66819	-3.70824	0.000282	0.068652
	0.419952	3.705873	0.000284	0.06913
	-0.41339	-3.70532	0.000285	0.069191
	0.308799	3.70591	0.000284	0.06913
SPINT1;RMDN3;CHP1;DLL4	-0.56008	-3.70506	0.000285	0.069219
	0.195691	3.704899	0.000285	0.069219
	-0.2853	-3.70454	0.000286	0.069231
TSPAN4;MRPL23;TALDO1	-0.34311	-3.70538	0.000285	0.069191
	0.387126	3.704303	0.000286	0.069248
SKI;SSU72;RER1	0.361346	3.703996	0.000286	0.069248
ENSG00000260337;ENSG00000258676	-0.51386	-3.70385	0.000286	0.069248
SLC38A6;ENSG00000259796;PRKCH	-0.47036	-3.70337	0.000287	0.06929
ZNF366	0.334309	3.70455	0.000286	0.069231
	-0.20141	-3.70403	0.000286	0.069248
HLF;ENSG00000263096	-0.35675	-3.70357	0.000287	0.069279
CTSW	-0.39606	-3.7022	0.000288	0.069461
	0.401092	3.701769	0.000289	0.069461
DNAH9;ARHGAP44;SHISA6;ENSG00000266368	-0.54594	-3.70285	0.000287	0.069343
PTPRS;RFX2;TRIP10;CATSPERD;CAPS;TINCR;FUT6;NDUFA11;HS				
D11B1L;ENSG00000267262;ENSG00000267427;MLLT1;ENSG0				
0000267589;ENSG00000266983;SH2D3A;DENND1C;C19orf70;				
PLIN3	-0.5599	-3.70305	0.000287	0.069334
	0.484561	3.701976	0.000288	0.069461
RARRES3;PYGM;HRASLS2;NRXN2;OTUB1;STIP1;VEGFB	0.514692	3.701374	0.000289	0.069461
STMN3;SOX18;SLC2A4RG;ZBTB46;ZNF512B;RTEL1-				
TNFRSF6B;ENSG00000267848	-0.55251	-3.70177	0.000289	0.069461
	0.28414	3.701413	0.000289	0.069461
	0.33637	3.701293	0.000289	0.069461
KIF9;LZTFL1;KIF9-AS1	-0.26708	-3.70024	0.00029	0.069461
	-0.87692	-3.69999	0.00029	0.069461
	-0.27074	-3.70021	0.00029	0.069461
	0.341412	3.699708	0.000291	0.069461
	0.323631	3.699785	0.000291	0.069461
	0.265639	3.700504	0.00029	0.069461
	0.251797	3.699193	0.000291	0.069461
	0.39402	3.699036	0.000292	0.069461
	-0.35817	-3.69918	0.000291	0.069461
	-0.2539	-3.6999	0.000291	0.069461
	0.421944	3.698886	0.000292	0.069461
NLRC5;SLC38A7;ENSG00000261270;C16orf80;KATNB1;CNOT1;				
POLR2C;CCDC113;GOT2	-0.61984	-3.69818	0.000292	0.069461

WBSCR22;CLIP2;ENSG00000232415;STAG3L2;ABHD11;WBSCR 27;LINC00035;CLDN4	-0.45825	-3.69877	0.000292	0.069461
CALM1;EFCAB11;TTC8;ENSG00000258752	-0.35947	-3.70004	0.00029	0.069461
	-0.36785	-3.69968	0.000291	0.069461
	0.419959	3.69839	0.000292	0.069461
RBKS;CCDC121;MRPL33;SUPT7L;IFT172;ENSG00000226833	-0.48587	-3.69748	0.000293	0.069461
SSU72;ANKRD65	-0.30977	-3.69779	0.000293	0.069461
	-0.24478	-3.69812	0.000292	0.069461
	-0.68204	-3.6976	0.000293	0.069461
	0.370481	3.697622	0.000293	0.069461
	-0.20428	-3.69845	0.000292	0.069461
	0.41938	3.696951	0.000294	0.069513
	-0.38639	-3.69682	0.000294	0.069513
LAPTM5;COL16A1	-0.39379	-3.69794	0.000293	0.069461
RYR3	-0.42988	-3.69801	0.000293	0.069461
ENSG00000234478;WNT9A;C1orf95	-0.45809	-3.69749	0.000293	0.069461
ACACB	-0.40564	-3.69621	0.000295	0.069553
TTC39A;DMRTA2;CDKN2C	0.335027	3.696884	0.000294	0.069513
	0.287785	3.696047	0.000295	0.069555
	0.319165	3.695847	0.000295	0.069567
	0.246573	3.696231	0.000295	0.069553
RRN3P1;EEF2K	0.33638	3.695248	0.000296	0.069612
HEATR5A;NUBPL;AKAP6	-0.63141	-3.69493	0.000296	0.069612
	-0.41468	-3.69517	0.000296	0.069612
LRIG1	-0.37854	-3.69621	0.000295	0.069553
	0.196115	3.695578	0.000295	0.069597
	0.44164	3.694718	0.000296	0.069612
	0.403231	3.693982	0.000297	0.069612
	0.282596	3.694589	0.000296	0.069612
DUSP4;KIF13B;FBXO16;TMEM66;FZD3;LINC00589	-0.52086	-3.69483	0.000296	0.069612
	-0.3788	-3.69399	0.000297	0.069612
	-0.73769	-3.69341	0.000298	0.069612
	-0.38718	-3.69352	0.000297	0.069612
RARRES3;FADS3;INTS5	0.240288	3.693741	0.000297	0.069612
NBEA	0.440428	3.693509	0.000297	0.069612
BAIAP2L1;KPNA7;TMEM130;ENSG00000272950;BRI3;BHLHA15 ;ASNS	-0.69729	-3.69375	0.000297	0.069612
	-0.64539	-3.69311	0.000298	0.069612
TRAPPC10;CSTB;ADARB1;ITGB2;PDXK;ENSG00000268805	0.264949	3.693165	0.000298	0.069612
CD93;FOXA2	0.334238	3.69233	0.000299	0.069717
	0.271157	3.692243	0.000299	0.069717
ANXA8	-0.48023	-3.69281	0.000298	0.069648

PTPRS;RFX2;TRIP10;CATSPERD;CAPS;TINCR;HSD11B1L;ENSG00000267262;MLLT1;NDUFA11;ENSG00000267589;ENSG00000266983;ENSG00000267427;SH2D3A;VAV1;DUS3L	-0.39642	-3.69366	0.000297	0.069612
TMEM231;ENSG00000262583;LDHD;MLKL;CFDP1;CHST6;ENSG00000203472;CHST5	-0.46101	-3.69167	0.000299	0.069825
	-0.43137	-3.69151	0.0003	0.069826
	0.332987	3.690842	0.0003	0.069921
	-0.37052	-3.69099	0.0003	0.069921
TMEM71;NDRG1;WISP1	-0.46684	-3.69017	0.000301	0.069959
IFFO2	-0.40591	-3.69018	0.000301	0.069959
MATN2;C8orf47	0.329468	3.690099	0.000301	0.069959
	0.413696	3.690093	0.000301	0.069959
	-0.70369	-3.68917	0.000302	0.070156
	0.250033	3.688373	0.000303	0.070322
	0.368917	3.688002	0.000303	0.070364
	-0.4693	-3.68791	0.000304	0.070364
RSPO1;MTF1;GRIK3	-0.39756	-3.68689	0.000305	0.070588
RNF32;SHH;LINC01006	-0.49645	-3.68588	0.000306	0.0706
ENSG00000247011	0.251942	3.685567	0.000306	0.0706
	0.303574	3.685557	0.000306	0.0706
	0.375513	3.685891	0.000306	0.0706
HBA1;HBA2;RGS11;NME4;BAIAP3;CACNA1H;CCDC78;ENSG00000196674;SOX8;RHBDF1;ENSG00000261659	-0.40086	-3.68558	0.000306	0.0706
	0.473974	3.685781	0.000306	0.0706
	0.331554	3.685503	0.000306	0.0706
RSPH3;ZDHHC14;SYTL3;DYNLT1;EZR;TMEM181	-0.30231	-3.68602	0.000306	0.0706
	0.373898	3.685522	0.000306	0.0706
EYA4;TCF21;SLC2A12;TBPL1;SGK1	-0.63542	-3.68533	0.000306	0.070606
	0.359959	3.684742	0.000307	0.070669
	-0.26981	-3.68464	0.000307	0.070669
	-0.28952	-3.68407	0.000308	0.070739
	0.406952	3.684277	0.000308	0.070724
CGN;CTSK;SELENBP1;S100A11;SEMA6C;HRNR;CTSS	0.413171	3.683442	0.000309	0.070825
CLMN;SERPINA1;UNC79;PRIMA1;ASB2;FAM181A-AS1;FAM181A;PPP4R4;ENSG00000258987	-0.37292	-3.68477	0.000307	0.070669
TSTD1;UFC1;SDHC;F11R;C1orf192;PVRL4;KLHDC9;MPZ;PPOX;OLFML2B;ENSG00000213080;ADAMTS4;USF1;ENSG00000227741;NCSTN;COPA;USP21;PEA15;NIT1;PEX19	-0.35446	-3.6837	0.000308	0.070796
	0.429659	3.683038	0.000309	0.070891
	-0.24321	-3.68282	0.000309	0.070909
APBB2;SMIM14;NSUN7;RBM47	-0.36497	-3.68246	0.00031	0.070963
ADCY3;PFN4;DNAJC27-AS1;DNAJC27;FAM228B;CENPO;DTNB	-0.3786	-3.68198	0.00031	0.071051
	-0.39126	-3.68105	0.000311	0.071138
	0.33244	3.681095	0.000311	0.071138
	-0.32767	-3.68081	0.000311	0.07114

	-0.2228	-3.6815	0.000311	0.071136
MXRA8;SKI;SAMD11;ANKRD65;ENSG00000223764	0.368492	3.681145	0.000311	0.071138
	-0.41319	-3.67981	0.000313	0.071269
	-0.50109	-3.68027	0.000312	0.071188
	-0.29907	-3.68072	0.000312	0.07114
	-0.27788	-3.6806	0.000312	0.07114
	0.480592	3.679025	0.000314	0.071288
	0.31364	3.67938	0.000313	0.071288
ODF2;CERCAM;COQ4;C9orf117;ST6GALNAC6;TTC16;DNM1;RALGPS1;GARNL3;WDR34;PKN3;LCN2;TBC1D13;LRRC8A;SLC2A8;AK1;C9orf114;ENG;ANGPTL2;CIZ1;CRAT;NUP188;ENSG00000228487;SLC27A4	-0.6809	-3.67891	0.000314	0.071288
	0.325933	3.678853	0.000314	0.071288
LPAR6;SETDB2;LINC00441	-0.40401	-3.67912	0.000313	0.071288
	-0.46723	-3.679	0.000314	0.071288
CNNM2;CCDC147;WDR96	-0.37665	-3.67816	0.000315	0.07139
	0.395975	3.67826	0.000314	0.07139
	-0.40721	-3.67781	0.000315	0.071445
	-0.584	-3.67701	0.000316	0.071553
ATG9B;REPIN1;GIMAP8	0.254527	3.676782	0.000316	0.071553
RAPGEF4;ENSG00000091436;CIR1	0.364409	3.677105	0.000316	0.071553
FOXL1;FENDRR;FOXF1	-0.44833	-3.67666	0.000316	0.071553
	-0.30957	-3.67669	0.000316	0.071553
	-0.39468	-3.67624	0.000317	0.071625
TTC22	0.567162	3.6754	0.000318	0.071769
ICOSLG;LRRC3;ENSG00000225331;PDE9A;CSTB;LRRC3DN;TRPM2	-0.47145	-3.67499	0.000318	0.071823
	-0.5231	-3.67475	0.000318	0.071823
JHDM1D-AS1;KDM7A;TBXAS1	-0.31436	-3.67539	0.000318	0.071769
	0.337596	3.674759	0.000318	0.071823
HRASLS2;PLA2G16	0.461946	3.674543	0.000319	0.071825
	-0.32508	-3.67365	0.00032	0.071825
MNS1;TEX9;NEDD4;DYX1C1;PRTG;C15orf65	-0.4863	-3.67363	0.00032	0.071825
	0.216151	3.673797	0.00032	0.071825
	0.31405	3.673242	0.00032	0.071825
	-0.32113	-3.67335	0.00032	0.071825
ADAMTS2;COL23A1;RAB24	0.368491	3.672629	0.000321	0.071825
CERS4;ADAMTS10;INSR;PEX11G	0.291614	3.672612	0.000321	0.071825
	0.284149	3.672934	0.000321	0.071825
MUC13;HEG1;ITGB5;SNX4	-0.62934	-3.67244	0.000321	0.071825
ENSG00000232344;LRRC48;ATPAF2	-0.29572	-3.67295	0.000321	0.071825
STARD5;IL16	-0.49787	-3.67284	0.000321	0.071825
	0.265544	3.672327	0.000321	0.071825
	-0.39063	-3.67183	0.000322	0.071825
	0.279823	3.672533	0.000321	0.071825
	0.217889	3.672083	0.000322	0.071825
	-0.42563	-3.67201	0.000322	0.071825

C1orf110;ENSG00000230739;OLFML2B;ENSG00000232995;DDR2;UAP1	-0.63351	-3.67216	0.000321	0.071825
	0.437425	3.671092	0.000323	0.071825
	-0.70539	-3.6712	0.000323	0.071825
	0.237257	3.671173	0.000323	0.071825
PLXNA1	-0.48041	-3.67147	0.000322	0.071825
	0.298312	3.670713	0.000323	0.071825
SEC61G;EGFR-AS1;VOPP1;CCT6A;PHKG1	0.232072	3.671255	0.000322	0.071825
MRPS31;LINC00332;LHFP	-0.5064	-3.67094	0.000323	0.071825
LINC00640;ATL1;FRMD6;CDKL1;ABHD12B	-0.41561	-3.67148	0.000322	0.071825
MYO6	-0.45348	-3.67069	0.000323	0.071825
STYXL1;POR;CCDC146;FGL2;PTPN12;ENSG00000250990;MDH2;ENSG00000227038	-0.64566	-3.67096	0.000323	0.071825
	0.440036	3.66989	0.000324	0.071923
	-0.48738	-3.6696	0.000324	0.071962
	0.416681	3.670033	0.000324	0.071923
	0.3682	3.670067	0.000324	0.071923
	0.344737	3.668758	0.000325	0.072083
	0.458861	3.668267	0.000326	0.072083
	-0.24465	-3.66897	0.000325	0.072083
	0.324025	3.66807	0.000326	0.072083
	0.370336	3.668084	0.000326	0.072083
MRPL23;CARS;IGF2	-0.43277	-3.66806	0.000326	0.072083
ENSG00000232485;IGFBP2;PECR;MARCH4	-0.5839	-3.66838	0.000326	0.072083
	0.171921	3.667899	0.000326	0.072083
	-0.38009	-3.66785	0.000326	0.072083
IRF4;DUSP22	0.399679	3.666364	0.000328	0.072322
	0.373313	3.666603	0.000328	0.072322
	-0.42661	-3.66685	0.000328	0.072305
COL13A1;TSPAN15;PALD1	0.369832	3.666077	0.000329	0.07236
FKBP10;RUNDC1;HMGN2P15;BECN1;VPS25;PTRF;ATP6V0A1;TTC25;CNTNAP1;KRT15;TUBG2;AOC3;LEPREL4;HAP1;MLX;PSME3;STAT5B;COA3	-0.43076	-3.66641	0.000328	0.072322
SLC9A3	-0.45807	-3.66559	0.000329	0.072373
LTBP2;TGFB3;AREL1	-0.75065	-3.66546	0.000329	0.072373
MAK;C6orf52;SYCP2L	-0.57828	-3.66574	0.000329	0.072373
	-0.56999	-3.66489	0.00033	0.072448
	-0.39021	-3.66505	0.00033	0.072443
DTHD1;ENSG00000251438;ENSG00000247193	-0.5551	-3.66547	0.000329	0.072373
	0.343131	3.664483	0.00033	0.072517
	0.329813	3.664332	0.000331	0.072519
ACKR3;SH3BP4;AGAP1-IT1;AGAP1	-0.55433	-3.66339	0.000332	0.072568
MAP3K14;FZD2	-0.35647	-3.66302	0.000332	0.072568
KCNN4	-0.48365	-3.66273	0.000333	0.072568
ENSG00000240710	0.37484	3.663066	0.000332	0.072568
	-0.60515	-3.663	0.000332	0.072568
	-0.46483	-3.6629	0.000332	0.072568

HLX	-0.44893	-3.66296	0.000332	0.072568
AFAP1L2	0.406631	3.662745	0.000333	0.072568
PTPRN2	0.347924	3.662137	0.000333	0.072578
	0.452889	3.663049	0.000332	0.072568
NPR1;C1orf189;JTB;CREB3L4;ATP8B2;S100A13	-0.40171	-3.66225	0.000333	0.072578
LAMB1;ENSG00000241764;ENSG00000273055	-0.53032	-3.66307	0.000332	0.072568
	-0.4078	-3.66213	0.000333	0.072578
ZNF532;MALT1;NEDD4L	-0.39987	-3.66223	0.000333	0.072578
ENSG00000272841	0.306709	3.661654	0.000334	0.072593
DSCR3	0.535058	3.661664	0.000334	0.072593
	-0.23856	-3.66102	0.000335	0.07264
PIAS1;KIF23	-0.55669	-3.66122	0.000334	0.07264
NRXN2;VEGFB;LTBP3;PYGM;C11orf95;STIP1;RARRES3;OTUB1;H				
RASLS2;MAP4K2;NAALADL1;RASGRP2	-0.38793	-3.66052	0.000335	0.072668
C11orf49;MAPK8IP1;DDB2;CRY2;PACSIN3;LRP4;RAPSN;MADD;				
ARHGAP1;GYLTL1B;HARBI1	-0.47887	-3.66083	0.000335	0.07264
	0.380413	3.660772	0.000335	0.07264
	0.492097	3.660251	0.000336	0.072703
SPOCK2	-0.48328	-3.66181	0.000334	0.072593
SHMT1P1	0.258833	3.659791	0.000336	0.07273
UTP3	0.328278	3.659999	0.000336	0.07273
	0.290756	3.660904	0.000335	0.07264
SCMH1;LEPRE1;RIMKLA;CCDC30;ZMYND12;HIVEP3	-0.64578	-3.65926	0.000337	0.07278
	0.389797	3.659588	0.000336	0.07273
	0.420256	3.659632	0.000336	0.07273
LCK	0.267038	3.658748	0.000337	0.072817
C13orf45	-0.51388	-3.65889	0.000337	0.072817
HELLS	-0.50004	-3.6587	0.000337	0.072817
CCAR2;ENSG00000253837;LOXL2;PHYHIP;C8orf58;PIWIL2;TNF				
RSF10C;BIN3;BMP1	-0.44742	-3.65773	0.000339	0.072998
GPLD1;ALDH5A1;KIAA0319;DCDC2;FAM65B	-0.67553	-3.65709	0.000339	0.073131
SLCO2B1	0.499609	3.656704	0.00034	0.073154
ANG;PNP	0.357697	3.657785	0.000339	0.072998
	0.395049	3.656838	0.00034	0.073154
	0.382389	3.656168	0.000341	0.073154
DCPS	-0.33054	-3.65622	0.000341	0.073154
ENSG00000255471;FZD4	-0.433	-3.65631	0.00034	0.073154
	-0.39084	-3.65636	0.00034	0.073154
SNTA1;PROCR;PIGU;DYNLRB1;CBFA2T2;MMP24-AS1	-0.35654	-3.65546	0.000341	0.07323
	-0.25895	-3.65557	0.000341	0.07323
ZNF677;LILRA1;MBOAT7;GP6	-0.222	-3.65574	0.000341	0.073229
SPSB1	-0.63455	-3.65476	0.000342	0.073381
	0.49123	3.654275	0.000343	0.073389
	-0.32302	-3.6542	0.000343	0.073389
	-0.35216	-3.6542	0.000343	0.073389
LRRC59;NXPH3;SLC35B1;LUC7L3;SAMD14	0.291182	3.653763	0.000344	0.073389
	-0.35922	-3.65382	0.000343	0.073389

	0.415457	3.653955	0.000343	0.073389
	0.483481	3.653333	0.000344	0.073389
EHD2;PLA2G4C;FUT2;FAM83E;PRR24	-0.47806	-3.65357	0.000344	0.073389
	0.352148	3.653409	0.000344	0.073389
	0.446453	3.653374	0.000344	0.073389
FAM83H-AS1;ARHGAP39	-0.43759	-3.6532	0.000344	0.073389
GTF3C6;SLC16A10;DDO;SMPD2	-0.4086	-3.65275	0.000345	0.073434
PPP1R3D;SYCP2	-1.00355	-3.65305	0.000344	0.073393
	0.311524	3.652512	0.000345	0.073462
	0.179017	3.651274	0.000347	0.073577
	-0.36585	-3.6516	0.000346	0.073577
HOMER2;TM6SF1	-0.37094	-3.65148	0.000346	0.073577
CACNB3;C12orf68;ZNF641;CCDC65;WNT10B;LMBR1L	-0.44926	-3.65118	0.000347	0.073577
	0.429176	3.651359	0.000347	0.073577
	0.353052	3.651007	0.000347	0.073577
BCL11B;HHIPL1;EVL	0.625773	3.65084	0.000347	0.073577
	0.315452	3.651091	0.000347	0.073577
CCDC78;IFT140;BAIAP3;HN1L;HAGHL;WDR90;HAGH;ENSG00000261659;METRN;HS3ST6;SOX8;PDPK1;WDR24;MSRB1;RNPS1;UBE2I;GFER	-0.30865	-3.65095	0.000347	0.073577
	0.352229	3.650204	0.000348	0.073673
MUC16;CERS4;CTXN1;FBN3;KANK3;ADAMTS10;RPS28;CD209	-0.27355	-3.65049	0.000348	0.073632
	0.452166	3.649252	0.000349	0.073782
	0.333671	3.64973	0.000349	0.073726
	-0.18525	-3.64979	0.000349	0.073726
MAK;C6orf52;EDN1	-0.49111	-3.64899	0.00035	0.073782
	-0.40054	-3.64864	0.00035	0.073782
	0.31193	3.6489	0.00035	0.073782
	0.280761	3.648586	0.00035	0.073782
ARHGEF1;POU2F2;CEACAM5;CD79A;TGFB1;CEACAM6;AXL;GRIK5	-0.4176	-3.64856	0.00035	0.073782
	0.176977	3.648989	0.00035	0.073782
CERCAM;DNM1;FNBP1;LINC00963;ODF2;COQ4;WDR34	-0.26467	-3.64799	0.000351	0.073825
C11orf63;SCN3B;HSPA8;CLMP;ATP5F1P5;ENSG00000255248	-0.42802	-3.64831	0.00035	0.073814
	0.229905	3.648071	0.000351	0.073825
FAM83H-AS1;EEF1D;ZNF34;GPIHBP1;RHPN1-AS1	-0.29902	-3.64656	0.000353	0.07412
TJP3;GNG7	0.267787	3.646328	0.000353	0.07412
CLDN5;MRPL40;ZDHHC8;ZNF74;UFD1L	-0.70121	-3.64632	0.000353	0.07412
TEAD1	0.440651	3.645967	0.000353	0.07412
	-0.282	-3.64671	0.000352	0.07412
	0.376897	3.645595	0.000354	0.07412
	-0.28997	-3.64547	0.000354	0.07412
ADAMTS2;FLT4;ZNF354C;CNOT6;RNF130;GFPT2;ENSG00000245317;MAML1;MGAT1;ENSG00000260841;TBC1D9B	-0.3667	-3.64571	0.000354	0.07412
	-0.25756	-3.64488	0.000355	0.074147

LRRC56;MRPL23;TSPAN4;TSPAN32	-0.4165	-3.64518	0.000354	0.07412
	0.415943	3.645129	0.000354	0.07412
SCARB1;BRI3BP;ZNF664;FAM101A;GTF2H3	-0.34903	-3.64552	0.000354	0.07412
MYH14;FAM83E;CPT1C;TEAD2;HRC;FCGRT;RASIP1;CYTH2;RRAS	0.292893	3.644662	0.000355	0.074169
PLEKHB1;DNAJB13;PGM2L1;ENSG00000255847;POLD3;C2CD3;				
ENSG00000254837;PPME1;UCP2;RNF169	-0.46195	-3.64566	0.000354	0.07412
RASAL3;NWD1;SYDE1;HSH2D	-0.37818	-3.64512	0.000354	0.07412
NCALD	-0.41024	-3.64409	0.000356	0.074281
	0.298145	3.643973	0.000356	0.074281
	0.513031	3.643657	0.000356	0.074315
	0.252412	3.643233	0.000357	0.07437
SRGAP3-AS2;OGG1;SRGAP3	-0.57032	-3.64358	0.000356	0.074315
	0.445611	3.642914	0.000357	0.074398
	0.433058	3.642628	0.000358	0.074398
ARHGEF28	-0.52132	-3.64245	0.000358	0.074398
	-0.40664	-3.6428	0.000357	0.074398
	0.412814	3.642589	0.000358	0.074398
	-0.29803	-3.64183	0.000359	0.074458
MACC1;ENSG00000271133	0.353564	3.641855	0.000359	0.074458
SRGAP3-AS2;ENSG00000206567;OGG1;PRRT3;JAGN1;LMCD1;ENSG00000269982;OR7E122P;RPUSD3;OXTR	-0.43417	-3.64186	0.000359	0.074458
ENSG00000214654;RAB14;TRAF1;PHF19	-0.56735	-3.64153	0.000359	0.074468
SMIM5;RNF157-AS1;FDXR;ST6GALNAC2;FOXJ1;CASKIN2;ENSG00000261335;UBALD2;MXRA7;SLC16A5;SMIM6;RNF157;KCTD2;PRPSAP1;TRIM65	-0.36413	-3.64134	0.000359	0.074468
	0.481874	3.64107	0.00036	0.07448
GIPC3;TJP3;TBXA2R	-0.29893	-3.64066	0.00036	0.074519
SPSB1;SLC45A1;PIK3CD;RBP7;SLC2A5;KIF1B	-0.42956	-3.64151	0.000359	0.074468
	0.399006	3.640659	0.00036	0.074519
	0.242115	3.641249	0.000359	0.074468
CDC25B;RASSF2	-0.29324	-3.6401	0.000361	0.074609
	0.335381	3.639917	0.000361	0.074609
	0.358478	3.639932	0.000361	0.074609
	0.260557	3.639082	0.000362	0.074752
	0.287372	3.639051	0.000362	0.074752
	-0.32684	-3.63872	0.000363	0.074752
	0.337118	3.63878	0.000363	0.074752
ENSG00000270614;ZNF559;SPC24;DNMT1	-0.5437	-3.63802	0.000364	0.074855
ENSG00000226963	0.423306	3.637986	0.000364	0.074855
	0.301251	3.637928	0.000364	0.074855
	-0.43194	-3.63875	0.000363	0.074752
	0.308691	3.637588	0.000364	0.074855
SAMD11;MXRA8;ENSG00000217801;ENSG00000223764	-0.32683	-3.6375	0.000364	0.074855
AHNAK	-0.30213	-3.63737	0.000364	0.074855

	0.326721	3.637304	0.000365	0.074855
	0.443579	3.637182	0.000365	0.074855
	0.259815	3.637131	0.000365	0.074855
	0.343328	3.636221	0.000366	0.075029
LRRC56;MUC5B;B4GALNT4;TSPAN4;MRPL23;IFITM1;DEAF1;SIG				
IRR;EFCAB4A;IFITM3;MUC5AC;MOB2;TALDO1	-0.45529	-3.63585	0.000366	0.075081
FAM131A	0.304408	3.635405	0.000367	0.075129
FAM201A;ENSG00000233137	-0.39531	-3.63576	0.000367	0.075081
KIDINS220;ASAP2;ADAM17;ENSG00000236008	-0.37788	-3.63681	0.000365	0.074906
	-0.44133	-3.63532	0.000367	0.075129
ELMO1	-0.55068	-3.63491	0.000368	0.075153
	0.355231	3.634829	0.000368	0.075153
	-0.40892	-3.63459	0.000368	0.075156
	-0.47077	-3.63493	0.000368	0.075153
NRXN2;STIP1;PYGM;RARRES3	-0.36975	-3.63455	0.000368	0.075156
ENSG00000141854;FBXW9;NFIX;CACNA1A;STX10;PODNL1;ASN				
A1	-0.30758	-3.63415	0.000369	0.075229
B4GALNT3	-0.41313	-3.63357	0.00037	0.075303
	-0.33427	-3.63332	0.00037	0.075303
	-0.39929	-3.63379	0.000369	0.075291
	-0.32764	-3.6332	0.00037	0.075303
	0.439443	3.633076	0.00037	0.075303
IL2RB	0.429068	3.633083	0.00037	0.075303
FUOM;TUBGCP2	-0.82049	-3.63295	0.00037	0.075303
GORASP1	-0.27441	-3.63271	0.000371	0.075333
SSPN;RASSF8-AS1;RASSF8	0.438511	3.632246	0.000371	0.075386
	0.369752	3.631882	0.000372	0.075413
	0.393664	3.632271	0.000371	0.075386
	-0.48167	-3.6319	0.000372	0.075413
PSMD13;TSPAN4;TMEM80;ODF3;CDHR5	0.491751	3.631162	0.000373	0.07547
	0.321469	3.631434	0.000372	0.07547
	-0.36931	-3.63115	0.000373	0.07547
	0.181966	3.630581	0.000373	0.075588
	-0.68733	-3.63118	0.000373	0.07547
ENSG00000261528	-0.28958	-3.63041	0.000374	0.075599
	0.299471	3.630276	0.000374	0.075599
LINC00338;TMC8	-0.41248	-3.62993	0.000374	0.075643
FOXF2	-0.50896	-3.6293	0.000375	0.075747
	0.441662	3.629852	0.000374	0.075643
	0.346184	3.628918	0.000376	0.075747
GNG7;HMHA1	-1.02504	-3.62883	0.000376	0.075747
TCF21	0.370371	3.628662	0.000376	0.075747
NFIX;ASNA1;ZNF440;FBXW9;ENSG00000267610;CALR	-0.32949	-3.62886	0.000376	0.075747
	-0.52849	-3.62806	0.000377	0.075747
	0.45217	3.627988	0.000377	0.075747
	-0.33566	-3.62781	0.000377	0.075747
	0.732555	3.627924	0.000377	0.075747

	0.404773	3.627792	0.000377	0.075747
	0.392618	3.628329	0.000377	0.075747
C16orf71;CDIP1;GLYR1;SMIM22;C16orf89;GLIS2;SRL;CORO7;SE				
C14L5;CREBBP;NUDT16L1;TFAP4	-0.40482	-3.62783	0.000377	0.075747
	-0.31466	-3.62738	0.000378	0.075747
	-0.44222	-3.62742	0.000378	0.075747
	0.305931	3.627373	0.000378	0.075747
	0.411002	3.627546	0.000378	0.075747
KLHDC8A;NFASC;ENSG00000229657	0.237301	3.626586	0.000379	0.075926
	0.306124	3.625655	0.00038	0.076109
	-0.24393	-3.62539	0.000381	0.076144
	0.4372	3.625264	0.000381	0.076144
	-0.64007	-3.62466	0.000382	0.076241
BATF2;CTSW;DNAJC4;NRXN2;TRPT1	0.340912	3.62465	0.000382	0.076241
GAS8;SPATA33;ENSG00000260259;GALNS;PIEZO1;SPIRE2;C16o				
rf3;ENSG00000224888;FANCA;ENSG00000182376;URAHP;ANK				
RD11;ZNF778;CBFA2T3;SPG7;ENSG00000261574	-0.62353	-3.62632	0.000379	0.075962
	-0.3907	-3.62437	0.000382	0.076283
	0.296311	3.623999	0.000382	0.076348
ACKR3	0.451075	3.62341	0.000383	0.076438
	-0.37794	-3.62342	0.000383	0.076438
	0.326799	3.623054	0.000384	0.076492
CTNNA1;FAM53C;KLHL3;NME5;FAM13B	-0.5759	-3.62295	0.000384	0.076492
	-0.47277	-3.62224	0.000385	0.076508
HLA-H;HLA-K	0.414275	3.6228	0.000384	0.076499
	-0.48857	-3.62233	0.000385	0.076508
ENSG00000260057;ZNF423	-0.45061	-3.62216	0.000385	0.076508
WWC1;SLIT3;TENM2;ENSG00000248222	0.287105	3.622489	0.000385	0.076508
	0.442782	3.621882	0.000385	0.076537
IPO9;ADIPOR1;ENSG00000273478;LGR6	-0.27959	-3.62212	0.000385	0.076508
C1orf95;H3F3A;ITPKB	-0.62772	-3.62136	0.000386	0.076646
	0.381168	3.620971	0.000387	0.076716
SLC37A1;TFF1;TMPRSS3;ABCG1;LINC00479;UMODL1;RSPH1;E				
NSG00000235772;CBS;ENSG00000225431;TMPRSS2	-0.39342	-3.62081	0.000387	0.076726
GNL3	-0.29294	-3.62065	0.000387	0.076734
	0.366006	3.620476	0.000387	0.076746
NEBL;DNAJC1	0.438444	3.620027	0.000388	0.076799
FOXF2;GMDS;GMDS-AS1	-0.46434	-3.62006	0.000388	0.076799
	-0.43269	-3.61975	0.000388	0.076804
	0.431428	3.619887	0.000388	0.076802
CCDC11	0.36149	3.619224	0.000389	0.076877
RIBC2;CERK;ENSG00000238120;FBLN1;PPARA;GRAMD4;ENSG0				
0000197182	-0.49369	-3.61932	0.000389	0.076877
	0.43981	3.618771	0.00039	0.076915
	0.447987	3.618702	0.00039	0.076915

	0.400256	3.618302	0.00039	0.076946
	0.419843	3.618751	0.00039	0.076915
	0.279992	3.618142	0.000391	0.076946
FOXF2;GMDS	0.48547	3.618212	0.00039	0.076946
	0.320546	3.618075	0.000391	0.076946
TJP3	-0.52783	-3.61729	0.000392	0.077029
	0.426816	3.617293	0.000392	0.077029
	-0.56314	-3.61728	0.000392	0.077029
	0.232618	3.617261	0.000392	0.077029
	0.37913	3.616003	0.000394	0.077216
	-0.4362	-3.61609	0.000393	0.077216
COL5A3;OLFM2;CDKN2D;KRI1;PIN1;UBL5;AP1M2;ILF3;ZNF699;				
QTRT1;MUC16;C19orf38;ILF3-AS1;ICAM3;TMED1	-0.41582	-3.61639	0.000393	0.077216
DUSP14;SRCIN1;SYNRG	-0.51059	-3.6162	0.000393	0.077216
LINC00284;FAM216B	0.581846	3.615945	0.000394	0.077216
ENSG00000178404;TMC8;TNRC6C;CBX2;C1QTNF1;TMC6;TNRC				
6C-AS1	-0.30026	-3.61533	0.000395	0.077351
	-0.36829	-3.61453	0.000396	0.077476
	0.364673	3.614375	0.000396	0.077476
ENSG00000270614;SPC24	0.401018	3.614994	0.000395	0.077408
	0.299016	3.613869	0.000397	0.077476
FSD1L	0.298528	3.614109	0.000396	0.077476
	0.37376	3.613912	0.000397	0.077476
HELLS;BLNK;TCTN3;CYP2C8;ENSG00000234026;ENSG0000023				
1829;ENTPD1	-0.52033	-3.6139	0.000397	0.077476
NAV1;PHLDA3;IPO9;PKP1;ADIPOR1;CYB5R1;LAD1;RNPEP;LGR6;				
ENSG00000224818;ENSG00000234678;TNNT2;ENSG00000273				
478;ELF3;PPFIA4;TMEM9;CSRP1;PPP1R12B;LMOD1	-0.4122	-3.61347	0.000397	0.077476
ADAMTS9-AS1;ADAMTS9-AS2	0.335422	3.613378	0.000397	0.077476
ZNF629;ITGAL;ZNF48;ZNF768;SPN	0.405648	3.613177	0.000398	0.077476
FKBP10;KRT23;IGFBP4;ACLY;MED24;TTC25;KRT20;KRT15;KRT1				
0;HAP1;THRA	-0.47369	-3.61383	0.000397	0.077476
LINC00035;WBSCR22;ENSG00000233369;ABHD11;ELN	-0.32574	-3.6126	0.000398	0.077476
LIPH;MAP3K13	-0.44206	-3.61239	0.000399	0.077476
S100A13;CREB3L4;ATP8B2;NPR1;S100A9;S100A8	-0.44516	-3.6123	0.000399	0.077476
RYR2;NID1;MTR;B3GALNT2;TBCE;ACTN2	-1.1171	-3.61233	0.000399	0.077476
	0.39403	3.612239	0.000399	0.077476
ENSG00000234478;EPHX1;ENAH;ITPKB;PYCR2;C1orf95;SRP9	-0.57683	-3.61276	0.000398	0.077476
	-0.43367	-3.61207	0.000399	0.077476
EBF2;KCTD9	-0.55803	-3.61219	0.000399	0.077476
PLAC8	0.297482	3.611877	0.000399	0.077476
	0.429315	3.612078	0.000399	0.077476
LAMTOR5;PSMA5;GSTM5;SLC16A4;CSF1;AHCYL1;TAF13;SYPL2;				
WDR47;GNAI3	-0.33041	-3.6116	0.0004	0.077476
COL15A1	0.380973	3.611654	0.0004	0.077476

PDE6B;ENSG00000272927;RNF212;POLN;WHSC1;ENSG000002				
73179;FGFR3;DGKQ;PCGF3;SPON2;LETM1	-0.47765	-3.61226	0.000399	0.077476
	0.418963	3.611566	0.0004	0.077476
PDIK1L	0.340141	3.611879	0.000399	0.077476
B9D1;DHRS7B;ULK2	-0.32017	-3.61093	0.000401	0.077496
	-0.38395	-3.61086	0.000401	0.077496
	0.408302	3.611078	0.000401	0.077496
	0.462748	3.611085	0.000401	0.077496
	0.350165	3.611142	0.0004	0.077496
TBC1D22B;BTBD9;ZFAND3;CPNE5	-0.32015	-3.61047	0.000401	0.077548
	0.423489	3.610371	0.000402	0.077548
	0.228625	3.609689	0.000403	0.077548
	0.521505	3.609915	0.000402	0.077548
	0.315357	3.60978	0.000402	0.077548
	0.306905	3.609831	0.000402	0.077548
	0.306706	3.609821	0.000402	0.077548
	0.466532	3.609527	0.000403	0.077548
	0.2938	3.609375	0.000403	0.077548
PRB2	-0.31245	-3.6093	0.000403	0.077548
	0.319951	3.608767	0.000404	0.077658
UQCC2;DAXX	-0.31075	-3.60929	0.000403	0.077548
ABI3BP;NXPE3;ZNF90P1;CEP97;FILIP1L	0.419064	3.608516	0.000404	0.077658
	0.255561	3.60853	0.000404	0.077658
PHACTR1	-0.5193	-3.60812	0.000405	0.07771
TIMM23	-0.48956	-3.60784	0.000405	0.07771
	0.261279	3.60774	0.000405	0.07771
TEAD1;PARVA;DKK3	-0.47644	-3.60763	0.000406	0.07771
NLK;RAB34;TLCD1;IFT20;ANKRD13B;SUPT6H;FOXN1;TRAF4;MY				
O18A;FAM222B;CORO6;RPL23A;TP53I13;ALDOC;RPS7P1	-0.45128	-3.60769	0.000405	0.07771
	-0.40427	-3.60704	0.000406	0.07776
	0.378526	3.607235	0.000406	0.07776
ZNF649	-0.27365	-3.60758	0.000406	0.07771
	0.442104	3.606984	0.000406	0.07776
JTB	-0.3504	-3.60688	0.000407	0.07776
	-0.39072	-3.60677	0.000407	0.07776
	-0.34164	-3.60638	0.000407	0.077799
MSLN;CCDC78;BAIAP3;HN1L;IFT140;HAGH;MSRB1;METRN;CAC				
NA1H;RNPS1;WDR90;HAGHL;PDPK1;ENSG00000261659;TPSD1				
;UBE2I;TPSAB1;TPSB2;SOX8;ABCA17P;CHTF18;GFER;TMEM204	-0.45859	-3.60652	0.000407	0.077796
	0.309584	3.606047	0.000408	0.077858
	-0.39178	-3.60507	0.000409	0.078061
RSPH4A;FAM162B;NUS1	-0.46764	-3.60488	0.00041	0.078077
ENSG00000214784	0.414439	3.604591	0.00041	0.07809
	0.368917	3.604619	0.00041	0.07809
	0.324788	3.605166	0.000409	0.078061

PPP1R7;ENSG00000223991;BOK;ENSG00000226321;ENSG000				
00233392;SNED1;PASK;ENSG00000216921;HDLBP;KIF1A	-1.01491	-3.60374	0.000411	0.078222
APOL3;IL2RB;KCTD17	-0.32891	-3.60382	0.000411	0.078222
	0.413784	3.603348	0.000412	0.078275
MICAL1;SMPD2	-0.33067	-3.60413	0.000411	0.078184
	0.214817	3.60282	0.000413	0.078376
	0.389744	3.603303	0.000412	0.078275
	-0.36796	-3.60266	0.000413	0.078385
	-0.37393	-3.60226	0.000413	0.078429
	0.21387	3.602433	0.000413	0.078415
	0.381425	3.601985	0.000414	0.078471
	0.344776	3.601854	0.000414	0.078473
	-0.49525	-3.60168	0.000414	0.078486
ATPIF1;C1orf172;PIGV	-0.32492	-3.60137	0.000415	0.078538
	-0.27892	-3.60063	0.000416	0.078598
LSP1	-0.39086	-3.60069	0.000416	0.078598
MUC5B;LRRC56;B4GALNT4;TSPAN4;DEAF1;MOB2;SIGIRR;MRP				
L23;IFITM10;ENSG00000250397;ANO9;EFCAB4A;H19;MUC5AC	-0.85556	-3.60104	0.000415	0.078598
	0.233472	3.600539	0.000416	0.078598
PLAT;AP3M2	0.360376	3.600756	0.000416	0.078598
ENSG00000265798;RAB11FIP4;CPD	-0.32808	-3.60008	0.000417	0.078615
	0.405133	3.600403	0.000416	0.078602
	0.326529	3.600127	0.000417	0.078615
	0.322367	3.599986	0.000417	0.078615
	0.303949	3.599446	0.000418	0.078697
	0.438877	3.59957	0.000417	0.078697
TIMP2;C1QTNF1;CBX8	-0.96704	-3.59923	0.000418	0.078724
CDKN1A	-0.28223	-3.59902	0.000418	0.078726
TBXA2R;CHAF1A	-0.31739	-3.59876	0.000419	0.078738
	0.460625	3.598973	0.000418	0.078726
RIN3;NDUFB1;SLC24A4	-0.3233	-3.59852	0.000419	0.078738
	0.436819	3.597859	0.00042	0.078738
	0.244698	3.598164	0.000419	0.078738
HCP5;TAP2	0.365282	3.597896	0.00042	0.078738
ENSG00000272374;ANKS1A;TCP11;ITPR3;FANCE;DEF6;SCUBE3				
;ENSG00000272288;TEAD3;LEMD2	-0.41045	-3.59788	0.00042	0.078738
PID1;FBXO36;DNER	-0.5005	-3.59774	0.00042	0.078738
	-0.51658	-3.59781	0.00042	0.078738
ASB2;PRIMA1;ENSG00000258987;C14orf142	0.476533	3.598128	0.00042	0.078738
MGEA5;C10orf32;KCNIP2;SFXN2;NOLC1	-0.43892	-3.59737	0.000421	0.078738
	0.162544	3.597349	0.000421	0.078738
TMEM254;ANXA11;ZCCHC24	-0.43694	-3.59697	0.000421	0.078738
C11orf30;ENSG00000179240;MAP6;ENSG00000255135	-0.29475	-3.59703	0.000421	0.078738
	-0.32797	-3.59678	0.000422	0.078738
	0.325511	3.596576	0.000422	0.078738

	0.370545	3.596582	0.000422	0.078738
INPP5K;HIC1;SCARF1;ENSG00000263050;YWHAE	-0.46742	-3.59644	0.000422	0.078738
CCDC78;IFT140;HN1L;BAIAP3;HAGH;HAGHL;PDPK1;ENSG00000 261659;METRN;UBE2I;RNPS1;MSRB1;SOX8;HS3ST6;GFER;UNKL ;WDR24;ENSG00000260807;CHTF18	-0.6001	-3.59656	0.000422	0.078738
MRPL23;CARS;ENSG00000255367	-0.42221	-3.59696	0.000421	0.078738
	0.267631	3.596319	0.000422	0.078738
	-0.39685	-3.59637	0.000422	0.078738
TCTE1;RSPH9;ENSG00000272442;SPATS1;HSP90AB1	-0.5289	-3.59619	0.000422	0.078738
	0.294281	3.595612	0.000423	0.078843
	0.360849	3.59611	0.000423	0.078738
	-0.3998	-3.59482	0.000425	0.079031
GNG7;ADAMTSL5;CFD;ABHD17A;BTBD2;TCF3;ARID3A;MUM1; GAMT;HMHA1	-0.42903	-3.59468	0.000425	0.079037
	0.195917	3.594149	0.000426	0.079117
ESRP2;CDH1;CIRH1A;HAS3;NFATC3	-1.05512	-3.59392	0.000426	0.079117
	0.619449	3.593826	0.000426	0.079117
	0.439321	3.59387	0.000426	0.079117
ADH4	-0.28915	-3.59334	0.000427	0.079142
	0.479912	3.593327	0.000427	0.079142
	-0.41759	-3.59368	0.000426	0.079117
GRASP;ACVRL1;KRT80;POU6F1;GALNT6;KRT18	-0.36324	-3.59366	0.000426	0.079117
ENSG00000255248;UBASH3B;HSPA8;SCN3B	0.347358	3.593214	0.000427	0.079142
LINC00899;GTSE1	-0.45363	-3.59298	0.000427	0.079173
	0.334873	3.59253	0.000428	0.07926
	-0.6224	-3.59222	0.000428	0.079268
	0.223888	3.592431	0.000428	0.07926
TRPV2	-0.6109	-3.59197	0.000429	0.079287
	0.397282	3.592158	0.000429	0.079268
	0.401974	3.591695	0.000429	0.079316
	0.461638	3.591484	0.00043	0.079316
	-0.33958	-3.59138	0.00043	0.079316
TCP11L1;PIGCP1;ENSG00000184566;CD59;DEPDC7;HIPK3;ABT B2;CCDC73	-0.43488	-3.59143	0.00043	0.079316
CLEC1A;A2M;FAM66C;FAM90A1	-0.38489	-3.59102	0.00043	0.079384
	0.327645	3.590378	0.000431	0.079464
	0.333118	3.590099	0.000432	0.079464
	-0.42515	-3.58991	0.000432	0.079464
	0.362072	3.590642	0.000431	0.079457
HN1L;UNKL;SOX8;ENSG00000260807;MSLN;POLR3K;ENSG000 00260051;LUC7L;NME4;SNRNP25;RAB11FIP3;ENSG000002615 05	-0.35159	-3.58997	0.000432	0.079464
NRXN2;NAALADL1;RTN3;FERMT3;MAP4K2;SNX15	0.31977	3.589611	0.000432	0.079464
SHANK2;SHANK2-AS1;SHANK2-AS3;SHANK2-AS2	0.497938	3.589534	0.000433	0.079464
	0.331742	3.589718	0.000432	0.079464
PFKP	0.412973	3.589568	0.000433	0.079464
HSPH1	-0.46613	-3.5891	0.000433	0.079472

CDCA7;GPR155;CIR1	-0.38211	-3.58949	0.000433	0.079464
	-0.30919	-3.58911	0.000433	0.079472
ACSBG1;TBC1D2B;HMG20A;TSPAN3;ENSG00000269951	-0.53033	-3.58941	0.000433	0.079464
	-0.44989	-3.58893	0.000434	0.079472
	-0.37846	-3.5889	0.000434	0.079472
WDR55;DIAPH1;HARS	-0.39564	-3.58842	0.000434	0.079553
ARL10;FGFR4;PRR7;DBN1;PDLIM7	-0.51985	-3.58838	0.000434	0.079553
	0.489034	3.587329	0.000436	0.079816
IGHG2;AHNAK2;IGHG4;IGHA2;PLD4;IGHGP	-0.57273	-3.58713	0.000436	0.079828
	0.289854	3.586926	0.000437	0.079828
	-0.51274	-3.58703	0.000436	0.079828
	-0.37991	-3.58662	0.000437	0.079842
	0.401442	3.586728	0.000437	0.079842
	0.21794	3.586515	0.000437	0.079842
TNRC6C;TMC8;C1QTNF1;TIMP2;ENSG00000178404;SYNGR2;T				
NRC6C-AS1;ENSG00000267491;CBX2	-0.56271	-3.58602	0.000438	0.079949
PIAS2	-0.2694	-3.58587	0.000438	0.079958
HRH1;TIMP4	-0.49092	-3.58566	0.000439	0.079983
KMT2A;PHLDB1;UBE4A;ATP5L	-0.38132	-3.58521	0.000439	0.080043
LRRC56;SIGIRR;B4GALNT4;MUC5AC;RASSF7;MUC5B;TSPAN4;T				
ALDO1;EFCAB4A;DEAF1	-0.4314	-3.58504	0.00044	0.080059
	-0.32941	-3.58529	0.000439	0.080043
SLC31A1;AKNA	0.336683	3.584138	0.000441	0.080249
	0.474892	3.584058	0.000441	0.080249
RGS22	-0.50073	-3.58389	0.000441	0.080249
TRAPPC2L	0.242746	3.583706	0.000442	0.080249
	-0.56719	-3.58365	0.000442	0.080249
	0.451001	3.583862	0.000441	0.080249
	-0.42554	-3.58338	0.000442	0.080258
ZNF876P	-0.32037	-3.58348	0.000442	0.080258
	0.451801	3.583112	0.000443	0.080301
GVINP1;TPP1	0.361074	3.582704	0.000443	0.080367
PSMG3	-0.54081	-3.58264	0.000443	0.080367
	0.333437	3.582076	0.000444	0.080431
ALDH1L2	-0.41574	-3.58243	0.000444	0.080393
	0.316721	3.582063	0.000444	0.080431
CXCL12;ZNF487;HNRNPF;RASGEF1A;ZNF33B;ZNF37BP;CSGALN				
ACT2;ZNF239;ENSG00000236114	-0.39	-3.58182	0.000445	0.080451
	0.299998	3.581503	0.000445	0.080451
	-0.43082	-3.58151	0.000445	0.080451
ENSG00000255248	-0.54119	-3.58127	0.000446	0.080451
	0.405268	3.581162	0.000446	0.080451
	0.384355	3.581196	0.000446	0.080451
ARL4C;MSL3P1;SH3BP4	-0.5304	-3.5812	0.000446	0.080451
	-0.61997	-3.58072	0.000446	0.080476
	0.382037	3.58091	0.000446	0.080455
	0.33576	3.581009	0.000446	0.080455

ATP8B2;MUC1;SYT11;SHE;SLC50A1;TDRD10;ASH1L;MTX1;RAB25;ARHGEF2;PBXIP1;ENSG00000232093	-0.62985	-3.58001	0.000448	0.080644
	0.359769	3.579563	0.000448	0.080689
	0.273164	3.579691	0.000448	0.080689
	0.29627	3.579156	0.000449	0.080689
	0.367877	3.579098	0.000449	0.080689
	0.44256	3.578975	0.000449	0.080689
	-0.3636	-3.57901	0.000449	0.080689
	-0.25175	-3.57928	0.000449	0.080689
	0.375839	3.578794	0.000449	0.080689
	-0.26877	-3.57831	0.00045	0.080761
PLEKHA1;FGFR2	-0.5034	-3.57845	0.00045	0.080753
BAI1	-0.35468	-3.57771	0.000451	0.080898
	-0.50708	-3.57735	0.000452	0.080955
AOC3;STAT5B;COASY;CNTNAP1;BECN1;ATP6V0A1;COA3;RUNDC1;ENSG00000236194;MPP2;PTRF;MEOX1;VPS25;RAMP2;TUBG2	-0.38851	-3.57716	0.000452	0.080955
	0.433942	3.578875	0.000449	0.080689
	0.345635	3.577268	0.000452	0.080955
	0.38422	3.5764	0.000453	0.081094
KANSL3;ARID5A	0.412794	3.576381	0.000453	0.081094
	0.362325	3.576323	0.000453	0.081094
	-0.62446	-3.57583	0.000454	0.081186
MEGF6;TP73-AS1;CEP104;DFFB;PRDM16;TPRG1L	0.446287	3.575462	0.000455	0.081186
	0.321991	3.575344	0.000455	0.081186
PIKFYVE	-0.47107	-3.57539	0.000455	0.081186
DLL4;C15orf52;RMDN3;CHP1	0.382212	3.575485	0.000455	0.081186
	0.435451	3.5753	0.000455	0.081186
GSKIP;BDKRB1;ATG2B;SYNE3	-0.48525	-3.57485	0.000456	0.08122
	0.441961	3.574828	0.000456	0.08122
	0.23204	3.574994	0.000456	0.08122
	0.290627	3.574419	0.000457	0.081248
	0.349678	3.574382	0.000457	0.081248
GP5	-0.37682	-3.57444	0.000456	0.081248
ARHGEF10;MYOM2	-0.45009	-3.57409	0.000457	0.081265
ENSG00000214797;MS4A8;TCN1;SLC25A47P1;ENSG00000225802;STX3;MS4A2;DTX4;FAM111A	-0.59708	-3.57399	0.000457	0.081265
ENSG00000225302;CASC2	-0.46209	-3.57385	0.000457	0.081265
KPNA7;BAIAP2L1;BHLHA15;TMEM130;TECPR1;ENSG00000272950;BRI3	-1.07333	-3.57395	0.000457	0.081265
	0.371983	3.573368	0.000458	0.081301
CWC15	-0.4067	-3.57303	0.000459	0.081301
TBC1D10C;PTPRCAP	0.351722	3.572896	0.000459	0.081301
	0.348533	3.573437	0.000458	0.081301
RPS17L	-0.3908	-3.57263	0.000459	0.081301
TMEM8A	0.468656	3.572985	0.000459	0.081301
MYO7A	-0.45759	-3.57261	0.000459	0.081301

BTRC;DPCD;LDB1;GBF1;ARL3	-0.29682	-3.57279	0.000459	0.081301
CIPC;VASH1;GPATCH2L	-0.36935	-3.57237	0.00046	0.081301
	0.340264	3.572204	0.00046	0.081301
RER1;MEGF6;TPRG1L	0.449605	3.572071	0.00046	0.081301
CCDC37;ROPN1B;FAM86JP;ALG1L;CHCHD6;ALDH1L1	0.378505	3.572114	0.00046	0.081301
	-0.24616	-3.57195	0.000461	0.081301
	0.463933	3.572048	0.00046	0.081301
	0.209389	3.571863	0.000461	0.081301
LTBP2;GPATCH2L;MLH3;IFT43;TGFB3;PGF;ISCA2;AREL1	-0.40847	-3.57201	0.00046	0.081301
CNNM2;CYP17A1	-0.49201	-3.57152	0.000461	0.081367
SLC37A1;TMPRSS2;RIPK4;PDE9A;RSPH1;LINC00111;C21orf128;				
TMPRSS3;CBS;ENSG00000225431;ENSG00000235772	-0.39717	-3.57105	0.000462	0.081394
	-0.28556	-3.57136	0.000462	0.08138
LIMS2;GPR17;MYO7B;ERCC3	-0.29865	-3.57102	0.000462	0.081394
	0.42206	3.570516	0.000463	0.081489
ENSG00000257556;PACS2;JAG2;XRCC3	-0.31878	-3.57096	0.000462	0.081394
	-0.34841	-3.56977	0.000464	0.081606
ENSG00000248954;COL1A1;PPP1R9B	-0.28649	-3.56977	0.000464	0.081606
	0.423744	3.569893	0.000464	0.081606
C6orf57	-0.48608	-3.56938	0.000465	0.081662
BCDIN3D-AS1	-0.27472	-3.56934	0.000465	0.081662
	-0.22407	-3.56919	0.000465	0.081672
AP5M1	0.272983	3.569029	0.000465	0.081682
	0.367836	3.568922	0.000466	0.081682
PITPNB;TTC28;UQCR10;MN1	-0.4131	-3.56803	0.000467	0.08184
ENSG00000257815;PTPRB;TMEM19;KCNMB4	-0.43632	-3.56803	0.000467	0.08184
	0.474167	3.567842	0.000467	0.081862
	-0.46272	-3.56859	0.000466	0.081746
	0.392477	3.567648	0.000468	0.081885
	0.451705	3.567407	0.000468	0.081901
MT1E	0.310889	3.567243	0.000468	0.081901
	0.259888	3.567041	0.000469	0.081927
	-0.34539	-3.56734	0.000468	0.081901
SEZ6L2;QPRT	-0.42633	-3.56667	0.000469	0.081969
FANCC;ENSG00000223849;PTCH1;MIR27B	-0.31564	-3.56664	0.000469	0.081969
	0.403135	3.566453	0.00047	0.081969
	-0.30754	-3.56615	0.00047	0.081969
TRIP13;NKD2;C5orf55;AHRR;ENSG00000225138	-0.48768	-3.56607	0.00047	0.081969
IL17RD	-0.61058	-3.56582	0.000471	0.081969
RRP12	-0.34349	-3.56574	0.000471	0.081969
	0.350885	3.565629	0.000471	0.081969
PITPNM2;ENSG00000256546;ENSG00000251497;WDR66;ATP6				
V0A2	-0.61031	-3.56584	0.000471	0.081969
ITPKB;H3F3A;ADCK3	-0.41262	-3.5655	0.000471	0.081975
	-0.26612	-3.56571	0.000471	0.081969
	-0.34351	-3.56513	0.000472	0.081992

HS3ST6;IL32;HN1L;ENSG00000262370	-0.37131	-3.56515	0.000472	0.081992
	0.27513	3.564944	0.000472	0.081992
CCDC74B;ARHGEF4;PTPN18	-0.38985	-3.56505	0.000472	0.081992
	0.455107	3.564864	0.000472	0.081992
	-0.38811	-3.56471	0.000473	0.082002
ALDH1L1;SLC12A8	0.287642	3.565763	0.000471	0.081969
	0.316897	3.564432	0.000473	0.082051
ZNF649;ZNF808;FPR3	-0.20012	-3.56414	0.000473	0.082099
TRAF3IP1	-0.34983	-3.56404	0.000474	0.082099
ENSG00000225652	-0.54907	-3.56371	0.000474	0.082147
TMC8;TMC6;TNRC6C-AS1	-0.42712	-3.56364	0.000474	0.082147
ENSG00000250132	-0.38842	-3.56332	0.000475	0.082147
	-0.43705	-3.56328	0.000475	0.082147
GOLGA5	0.274005	3.563193	0.000475	0.082147
	0.356097	3.56268	0.000476	0.082262
	-0.51592	-3.5625	0.000476	0.082282
MCU;PLAU	-0.57978	-3.56228	0.000477	0.082311
CAPN5;SERPINH1;DGAT2	0.444356	3.563188	0.000475	0.082147
TSPAN1;GPBP1L1;PRDX1;IPP;PIK3R3;LURAP1;TMEM69;TCTEX1 D4;AKR1A1	-0.42544	-3.56185	0.000477	0.08237
	-0.42326	-3.56197	0.000477	0.082369
	-0.73823	-3.56137	0.000478	0.082479
SPARCL1;PKD2;NAP1L5;ABCG2	-0.56746	-3.56094	0.000479	0.08257
	0.397474	3.560392	0.00048	0.082664
PSMG3	0.507111	3.560394	0.00048	0.082664
PACSIN2;EFCAB6-AS1	-0.63989	-3.55983	0.000481	0.082795
	0.296028	3.559245	0.000482	0.082925
PNKD;TTLL4;CCDC108;GLB1L;TUBA4B;DNAJB2;C2orf62;STK36; RQCD1;TNS1;SLC11A1;STK16;CXCR2;WNT10A;PLCD4;ANKZF1	-0.80873	-3.55916	0.000482	0.082925
	0.29207	3.558696	0.000483	0.083028
	0.28025	3.558575	0.000483	0.083031
	-0.29057	-3.55826	0.000483	0.083058
KCNJ1;TMEM45B;C11orf45;KCNJ5;ENSG00000272412;ARHGAP 32	-0.42673	-3.55787	0.000484	0.083138
	-0.41626	-3.55835	0.000483	0.083058
	0.297132	3.556893	0.000486	0.083392
	-0.24959	-3.55664	0.000486	0.08343
	0.337494	3.55631	0.000487	0.08343
CDH4	0.358855	3.556396	0.000487	0.08343
	0.186598	3.556311	0.000487	0.08343
	0.313067	3.55582	0.000488	0.083542
CARD11;TTYH3	-0.43292	-3.55538	0.000488	0.083576
RARRES1;MLF1	-0.52547	-3.55512	0.000489	0.083615
	-0.30387	-3.55537	0.000488	0.083576
PLD2;ASPA;TRPV3	-0.33841	-3.55539	0.000488	0.083576
	-0.32572	-3.55487	0.000489	0.083634

SLC16A10;ENSG00000237234;LAMA4;ENSG00000226440;ENSG00000271208;ENSG00000270661;ENSG00000255389	-0.35858	-3.55472	0.00049	0.083634
RUFY4	0.266588	3.554428	0.00049	0.083634
	0.408986	3.554585	0.00049	0.083634
C17orf97;SLC43A2;MYO1C;NXN;GEMIN4;ENSG00000262133;ENSG00000263050;DOC2B	-0.58272	-3.55444	0.00049	0.083634
ENSG00000269982	0.277661	3.554266	0.00049	0.083634
	0.485787	3.554372	0.00049	0.083634
	0.254221	3.554059	0.000491	0.083641
	0.28942	3.554015	0.000491	0.083641
FUOM;PWWP2B	-0.41397	-3.55371	0.000491	0.083697
SRGAP1;PPM1H;RASSF3;TMEM5;TBC1D30	-0.54184	-3.5536	0.000491	0.083697
	-0.54551	-3.55321	0.000492	0.083745
	0.422625	3.553133	0.000492	0.083745
	-0.30399	-3.55307	0.000492	0.083745
	-0.32512	-3.55299	0.000493	0.083745
	0.242225	3.552174	0.000494	0.083881
FADS3;RAB3IL1;C11orf48;LRRN4CL;INTS5	-0.3511	-3.5521	0.000494	0.083881
	0.205665	3.551905	0.000494	0.083881
	0.358431	3.551879	0.000495	0.083881
GABBR1;HLA-A	0.258998	3.551863	0.000495	0.083881
PIGU	-0.32602	-3.55175	0.000495	0.083881
	-0.28685	-3.55184	0.000495	0.083881
	-0.40964	-3.55143	0.000495	0.08392
KCNK1	-0.30778	-3.55109	0.000496	0.08392
ENSG00000224049;ETV5;MASP1	-0.67547	-3.55094	0.000496	0.08392
	0.45421	3.550494	0.000497	0.08392
	0.45235	3.550384	0.000497	0.08392
CTSS;POGZ	-0.37296	-3.55068	0.000497	0.08392
	-0.31003	-3.55031	0.000497	0.08392
	-0.53468	-3.55025	0.000497	0.08392
	-0.44896	-3.55093	0.000496	0.08392
PITPNM2;WDR66	-0.31493	-3.55022	0.000497	0.08392
SRD5A3	-0.91875	-3.55016	0.000498	0.08392
	-0.40303	-3.55026	0.000497	0.08392
	0.248506	3.550277	0.000497	0.08392
MAP3K3;ACE;MRC2;METTL2A	-0.44069	-3.54998	0.000498	0.083942
LRRC59;NXPH3;SLC35B1;COL1A1;SGCA;LUC7L3;SAMD14;MRPL27;MBTD1	0.293004	3.549725	0.000498	0.083983
ZDHHC14	0.24994	3.549193	0.000499	0.084074
	0.182617	3.54959	0.000499	0.08399
	0.27152	3.549026	0.0005	0.084091
	-0.5661	-3.54881	0.0005	0.084099
CDKN1A	-0.37084	-3.54867	0.0005	0.084099
	-0.33641	-3.54869	0.0005	0.084099
	0.402055	3.548506	0.0005	0.084113
SMG1P1	-0.37125	-3.54811	0.000501	0.084156

LINC00426;LINC00365	-0.40117	-3.54803	0.000501	0.084156
	0.345026	3.548043	0.000501	0.084156
	0.469399	3.547754	0.000502	0.084205
	0.454937	3.54749	0.000502	0.08425
	-0.33216	-3.5473	0.000503	0.084273
TCEANC2	0.360763	3.546593	0.000504	0.084405
	-0.34148	-3.54681	0.000503	0.084387
MXRA7;TNRC6C;CYGB;TK1;SYNGR2	-0.35179	-3.54644	0.000504	0.084405
	0.325035	3.546304	0.000504	0.084405
	0.46454	3.546312	0.000504	0.084405
SAMD11;MXRA8	-0.28704	-3.54563	0.000506	0.084535
LRRC56;SIGIRR;TSPAN4;MUC5AC;CD151;TALDO1;DEAF1	-0.6952	-3.54561	0.000506	0.084535
VCAM1;S1PR1;RTCA	-0.36571	-3.54554	0.000506	0.084535
	0.431808	3.545341	0.000506	0.08456
	0.37658	3.54497	0.000507	0.084572
ZNF440;CCDC151;ZNF627;KANK2;AP1M2;ZNF20;KRI1;RGL3;DOCK6;QTRT1;PDE4A;ILF3;CNN1;ZNF833P;ZNF69;ELOF1;ECSIT;SWSAP1;ZNF844;CDKN2D	-0.49624	-3.54506	0.000507	0.084572
TRIM65;MXRA7;GALK1	-0.23524	-3.54497	0.000507	0.084572
	0.263276	3.544547	0.000507	0.084665
CLHC1;C2orf73;CCDC104	-0.45143	-3.54421	0.000508	0.084683
	0.224923	3.544234	0.000508	0.084683
	0.407108	3.544157	0.000508	0.084683
	0.249293	3.543873	0.000509	0.084734
LPCAT1;PDCD6;TPPP;TRIP13;NKD2	-0.52425	-3.54361	0.000509	0.084734
	0.33555	3.543543	0.000509	0.084734
	-0.31478	-3.54357	0.000509	0.084734
RNU1-1	-0.31154	-3.54339	0.00051	0.084746
	-0.3411	-3.54305	0.00051	0.084796
MYO7A;SLCO2B1	0.301388	3.542812	0.000511	0.084796
	0.459576	3.542842	0.000511	0.084796
	-0.40939	-3.54273	0.000511	0.084796
RAB3IL1;MS4A8;CD6;SLC15A3;VPS37C;FADS2	0.371029	3.542678	0.000511	0.084796
	0.331391	3.542122	0.000512	0.084929
	-0.37616	-3.54194	0.000512	0.084951
	0.423312	3.541186	0.000514	0.085077
	0.279539	3.540965	0.000514	0.085077
IQCA1;AGAP1	-0.37159	-3.54076	0.000514	0.085077
ARHGEF10	0.325616	3.540686	0.000514	0.085077
	-0.32058	-3.54109	0.000514	0.085077
	0.568899	3.540772	0.000514	0.085077
KIAA0895	0.428888	3.540521	0.000515	0.085077
LINC01121	0.369898	3.540496	0.000515	0.085077
MLLT4;ENSG00000228648;FGFR1OP	-0.46375	-3.54042	0.000515	0.085077
CPT1C	0.27849	3.540422	0.000515	0.085077
TMEM212	-0.33608	-3.53994	0.000516	0.08519
ADAMTSL2	0.479844	3.539768	0.000516	0.085208

	0.217108	3.539417	0.000517	0.085257
FCGRT;FUT2	0.563332	3.539386	0.000517	0.085257
COL18A1;ICOSLG;ADARB1;COL18A1-AS1;CSTB;TRPM2;LRRC3DN	-0.45187	-3.53897	0.000518	0.085338
DLG2	-0.35841	-3.5389	0.000518	0.085338
TMEM254;ZMIZ1;ANXA11;PPIF;ZCCHC24	-0.32305	-3.53812	0.000519	0.085461
	0.208037	3.537899	0.00052	0.085461
MEOX1;ATP6V0A1;GPATCH8;RUNDC1;CNTNAP1;AOC3;RAMP2;COA3;BECN1;VPS25;TMEM106A;BRCA1;CNTD1;COASY	-0.50038	-3.53816	0.000519	0.085461
ENSG00000180747	0.353744	3.537614	0.00052	0.085461
IL32	-0.22611	-3.53761	0.00052	0.085461
EBF3;MGMT	-0.33839	-3.53788	0.00052	0.085461
	0.286649	3.537635	0.00052	0.085461
	0.439551	3.537441	0.00052	0.085481
	-0.27079	-3.53781	0.00052	0.085461
	0.429801	3.536769	0.000522	0.085636
	0.462144	3.53668	0.000522	0.085636
GIMAP5;GIMAP7;GIMAP6;GIMAP4;GIMAP2;GIMAP1	-0.39851	-3.53636	0.000522	0.085636
	0.408287	3.536318	0.000522	0.085636
	0.294467	3.53625	0.000523	0.085636
	0.293961	3.536267	0.000523	0.085636
ZBTB47;ZNF662;FAM198A	0.342839	3.536147	0.000523	0.085636
CXCL12;ZNF487;ZNF33B;HNRNPF;ENSG00000236114;CSGALNACT2;RASGEF1A;ZNF37BP;ZNF239	-0.37942	-3.5359	0.000523	0.085636
ROR1	-0.50497	-3.53586	0.000523	0.085636
	0.400679	3.535837	0.000523	0.085636
ENSG00000234869;CERK;PKDREJ	-0.57038	-3.53571	0.000524	0.08564
	-0.51272	-3.53534	0.000524	0.085714
GNG7;GNA15;MUM1;ADAMTSL5;ZNF57;GAMT;ZNF554;TLE2;TCF3;OAZ1	-0.35092	-3.53519	0.000525	0.085714
	-0.47636	-3.53507	0.000525	0.085714
	0.205209	3.534865	0.000525	0.085733
KIAA1958;SUSD1;PTBP3;LRRC37A5P;UGCG;PTGR1;HSDL2;C9orf84	-0.51699	-3.53504	0.000525	0.085714
	-0.41356	-3.53456	0.000526	0.085792
	0.190136	3.534081	0.000527	0.085872
	0.263992	3.534314	0.000526	0.085834
HPSE2;MARVELD1;RRP12;FRAT1;SFRP5;FRAT2;R3HCC1L	-0.40164	-3.53392	0.000527	0.085888
	-0.59192	-3.53353	0.000528	0.085973
	0.387256	3.532498	0.00053	0.086253
	0.262584	3.532306	0.00053	0.086279
	0.385527	3.532045	0.00053	0.086326
	0.214629	3.53188	0.000531	0.086343
	-0.40073	-3.5314	0.000532	0.086424
	-0.37466	-3.53148	0.000531	0.086424
GPR183	0.32642	3.530961	0.000532	0.086524

	0.437618	3.530766	0.000533	0.086548
NRXN2;STIP1;CTSW;SLC25A45;SIPA1	-0.4089	-3.53047	0.000533	0.086548
STPG1;IL22RA1;LYPLA2;ID3;GALE;LUZP1	-0.42426	-3.53044	0.000533	0.086548
SALL2;TTC5;ANG;CCNB1IP1;ARHGEF40;ZNF219;ENSG00000258768;METTL3	-0.53026	-3.53034	0.000534	0.086548
PHLPP1	-0.37603	-3.52981	0.000535	0.086678
PLEKHB1;DNAJB13;POLD3;PPME1;ENSG00000255847;C2CD3;PGM2L1;FCHSD2;ENSG00000254837;UCP2	-0.42185	-3.53054	0.000533	0.086548
	-0.23014	-3.5294	0.000535	0.086754
	0.218912	3.529213	0.000536	0.086761
NACAD	0.285442	3.529345	0.000535	0.086754
EVC;S100P;EVC2;CRMP1;SORCS2;CCDC96;KIAA0232;PSAPL1;ENSG00000251580	-0.41119	-3.5289	0.000536	0.086823
TMPRSS3;SLC37A1;TFF3;RSPH1;ENSG00000225431;TMPRSS2;LINC00111	-0.63654	-3.52866	0.000537	0.086843
	0.414407	3.528545	0.000537	0.086843
	0.470319	3.528179	0.000538	0.086897
C16orf93;ENSG00000260908;PHKG2;DOC2A;ENSG00000260219;QPRT;MVP;TUFM;ZNF688;ENSG00000196927;PPP4C;ENSG00000271699;CDIPT;SEPT1	-0.35392	-3.52851	0.000537	0.086843
	0.394837	3.528124	0.000538	0.086897
	0.243067	3.527643	0.000539	0.086934
BLNK	0.373084	3.52758	0.000539	0.086934
	-0.25073	-3.52756	0.000539	0.086934
USP2;C2CD2L;CBL;NLRX1	-0.33284	-3.52777	0.000538	0.086934
RNLS;ACTA2;PAPSS2;ACTA2-AS1;KLLN	-0.48667	-3.52729	0.000539	0.086934
	-0.38811	-3.52725	0.000539	0.086934
	-0.40956	-3.52731	0.000539	0.086934
BNIP1	-0.33836	-3.52711	0.00054	0.086946
CAPN9;ENSG00000244137;FAM89A;SPRTN;GNPAT	-0.51062	-3.5263	0.000541	0.087127
MUC13	-0.56661	-3.52635	0.000541	0.087127
NDUFS6	0.258288	3.526161	0.000541	0.087136
GCN1L1;OASL;RNU4-1	-0.29939	-3.52572	0.000542	0.087238
	0.378524	3.525559	0.000543	0.087255
ZAP70;REV1;KIAA1211L;MGAT4A	-0.57307	-3.52529	0.000543	0.087305
MVP	-0.37156	-3.52489	0.000544	0.087335
	0.410627	3.524932	0.000544	0.087335
	0.374243	3.524734	0.000544	0.087335
PLCD3;MAP3K14;ACBD4;MAPT;HEXIM1;NMT1;KANSL1	-0.75991	-3.52478	0.000544	0.087335
	-0.23444	-3.52455	0.000545	0.087335
SDF2;RPS7P1	0.211182	3.524556	0.000545	0.087335
FGF2	-0.59594	-3.52385	0.000546	0.087484
RARRES3	-0.26087	-3.52406	0.000545	0.087455
	0.350522	3.523529	0.000546	0.087518
	0.283028	3.523572	0.000546	0.087518
B3GNT5;FAM131A;KLHL6;CHRD;YEATS2	-0.43092	-3.52338	0.000547	0.087531
RPN2	0.277075	3.523076	0.000547	0.087558

FAM178A	0.281494	3.522973	0.000548	0.087558
	0.312563	3.523213	0.000547	0.08755
	0.333101	3.522722	0.000548	0.087603
	0.35795	3.522095	0.000549	0.087675
	0.33948	3.522177	0.000549	0.087675
ROBO4;VSIG2;SIAE;PKNOX2;FEZ1	-0.40987	-3.52186	0.00055	0.087675
	-0.45969	-3.52165	0.00055	0.087675
HHIPL1;MEG3;ENSG00000232018	-0.32914	-3.5214	0.000551	0.087675
	0.439999	3.521341	0.000551	0.087675
	0.339992	3.521225	0.000551	0.087675
	0.382601	3.521028	0.000551	0.087675
RPL41	-0.33446	-3.52109	0.000551	0.087675
ARRB2;PLD2;ENSG00000261863;MIS12;ZFP3;SCIMP;KIF1C	-0.33284	-3.52104	0.000551	0.087675
MFAP2;PADI1	-0.47352	-3.52095	0.000551	0.087675
CACHD1	0.462445	3.520803	0.000552	0.087675
	0.258783	3.520551	0.000552	0.087675
LGR6;ADIPOR1;PPP1R12B;FMOD;PPFIA4;CYB5R1;PRELP;ETNK2	-0.38443	-3.52048	0.000552	0.087675
	-0.39831	-3.5206	0.000552	0.087675
SLC30A9;APBB2	-0.46101	-3.52037	0.000553	0.087675
	0.283294	3.520355	0.000553	0.087675
TP53AIP1;FLI1;ARHGAP32;ETS1;SENCR	-0.70851	-3.52034	0.000553	0.087675
	0.251682	3.520263	0.000553	0.087675
STMN3	-0.35374	-3.52035	0.000553	0.087675
	0.452374	3.520598	0.000552	0.087675
	-0.26463	-3.51932	0.000555	0.087768
RHPN1-AS1;FAM83H-AS1;MAPK15;BAI1;RHPN1;ENSG00000255224;ZNF623;ENSG00000254973	-0.29298	-3.51933	0.000555	0.087768
	0.410919	3.519271	0.000555	0.087768
	0.172366	3.519179	0.000555	0.087768
PIF1;IGDCC4	-0.39036	-3.51905	0.000555	0.087768
RAB40B	0.314202	3.51903	0.000555	0.087768
CAPN2	-0.72842	-3.51901	0.000555	0.087768
	-0.31851	-3.51903	0.000555	0.087768
	-0.27472	-3.51902	0.000555	0.087768
MYCBPAP;ENSG00000248954;TOB1-AS1;COL1A1;PPP1R9B;MBTD1;ENSG00000247011;ABCC3;TOB1	-0.40412	-3.51854	0.000556	0.087785
KIAA0513;FENDRR;FOXF1	-0.39418	-3.51849	0.000556	0.087785
	0.307557	3.518333	0.000557	0.087785
FAM160A1	0.329323	3.518187	0.000557	0.087785
DOPEY2	-0.53878	-3.51843	0.000556	0.087785
RINL;GMFG;MAP4K1	0.384019	3.517953	0.000557	0.087785
PTH1R;LARS2;LZTFL1	-0.37416	-3.51795	0.000557	0.087785
	-0.20417	-3.51815	0.000557	0.087785

	0.322765	3.517802	0.000558	0.087785
CDIP1	-0.82765	-3.5176	0.000558	0.087785
	-0.47615	-3.51759	0.000558	0.087785
CD209	0.330435	3.517632	0.000558	0.087785
RPL27A	0.306096	3.51747	0.000558	0.08779
STAG3;ZNF3;ZKSCAN1;GAL3ST4;ENSG00000239521;ZCWPW1	-0.23187	-3.51769	0.000558	0.087785
	0.381726	3.517219	0.000559	0.087803
HES2;ESPN;CAMTA1;THAP3	-0.69536	-3.5171	0.000559	0.087808
	-0.33059	-3.51723	0.000559	0.087803
	0.406435	3.516676	0.00056	0.087871
MAP4K1	-0.44478	-3.51658	0.00056	0.087871
	0.375676	3.516659	0.00056	0.087871
	-0.41957	-3.51611	0.000561	0.087939
	0.275304	3.51609	0.000561	0.087939
MYBL2	0.296248	3.516039	0.000561	0.087939
SMOC2;THBS2	-0.59424	-3.51594	0.000561	0.087939
	0.358683	3.515755	0.000562	0.08795
	0.269475	3.515694	0.000562	0.08795
GPSM1;EGFL7;SEC16A;FAM69B	0.406255	3.515339	0.000562	0.088028
	0.316792	3.515138	0.000563	0.088058
	0.510094	3.514953	0.000563	0.088083
	0.412724	3.514638	0.000564	0.088148
ITGB7;NCKAP1L;CBX5	0.492275	3.514426	0.000564	0.088181
	0.479948	3.513981	0.000565	0.088239
	-0.9129	-3.5141	0.000565	0.088239
SH3BP2	-0.33966	-3.51391	0.000565	0.088239
CLDN5	0.321956	3.513687	0.000566	0.088239
	0.217263	3.513616	0.000566	0.088239
	0.351445	3.513568	0.000566	0.088239
HCP5;HLA-E;HSPA1A	-0.42039	-3.51323	0.000567	0.088239
LINC00939;BRI3BP	-0.61311	-3.51323	0.000567	0.088239
HEPHL1	-0.37795	-3.51321	0.000567	0.088239
	0.360247	3.513096	0.000567	0.088239
TRIM39	-0.41015	-3.51315	0.000567	0.088239
	-0.38701	-3.51273	0.000568	0.088278
LOH12CR1;ATF7IP	0.45107	3.512567	0.000568	0.088278
KIF3B;BPIFB1;BPIFB2;CBFA2T2	-0.31792	-3.51251	0.000568	0.088278
	-0.38467	-3.51263	0.000568	0.088278
TACC3	-0.42289	-3.51245	0.000568	0.088278
CHCHD3	0.36038	3.511818	0.000569	0.088442
HNRNPRP1	0.450557	3.511507	0.00057	0.088506
	0.520028	3.511303	0.00057	0.088538
SEC23B	-0.45268	-3.51112	0.000571	0.088549
	0.450909	3.511061	0.000571	0.088549
	0.410954	3.510698	0.000572	0.088607
	-0.38352	-3.51046	0.000572	0.088607

	0.39783	3.510525	0.000572	0.088607
	0.392669	3.510272	0.000573	0.088607
C1QTNF7;ENSG00000251379	0.510811	3.510255	0.000573	0.088607
ENSG00000141854;PODNL1;SYDE1;CD97;NOTCH3	0.320042	3.510253	0.000573	0.088607
	0.448939	3.510141	0.000573	0.088609
	-0.45558	-3.50961	0.000574	0.088741
	0.256953	3.509128	0.000575	0.088858
	0.318496	3.509031	0.000575	0.088858
PSMG3;PRKAR1B;GPR146;SUN1;MAD1L1	-0.345	-3.50873	0.000576	0.088887
	0.48995	3.508756	0.000576	0.088887
	-0.31651	-3.50834	0.000576	0.088891
	0.398938	3.508354	0.000576	0.088891
	0.350612	3.508234	0.000577	0.088891
	0.323464	3.508191	0.000577	0.088891
	0.401912	3.508155	0.000577	0.088891
	0.267426	3.508101	0.000577	0.088891
	-0.33245	-3.50774	0.000578	0.088972
	0.442053	3.507611	0.000578	0.088974
NCKAP5;NCKAP5-IT1;MGAT5;MAP3K19	-0.45355	-3.50753	0.000578	0.088974
	0.453972	3.507285	0.000579	0.089
	0.372824	3.507226	0.000579	0.089
TRPM2	0.341948	3.507136	0.000579	0.089
	-0.36058	-3.50632	0.000581	0.089223
FHAD1;DNAJC16;ENSG00000228140;RSG1;CROCC;KAZN;FBLIM 1;ENSG00000237301;ENSG00000233421;NECAP2;CLCNKA;AR HGEF19;HSPB7;CLCNKB;DDI2;ANO7P1	-0.34135	-3.50606	0.000581	0.089271
EVC;S100P;EVC2;KIAA0232;CCDC96;CRMP1;PSAPL1;SORCS2	-0.44405	-3.50575	0.000582	0.089304
MYEOV2	0.541661	3.505352	0.000582	0.089373
TSTA3	-0.31418	-3.50528	0.000583	0.089373
	0.26742	3.505224	0.000583	0.089373
	-0.38469	-3.50495	0.000583	0.0894
	0.358988	3.504929	0.000583	0.0894
NWD1;OCEL1;ENSG00000267275;C19orf44;RAB3A;PLVAP;USH BP1;COLGALT1;SIN3B;NR2F6;ARRDC2;B3GNT3	-0.4727	-3.5058	0.000582	0.089304
	-0.34059	-3.50483	0.000584	0.0894
	0.349298	3.504678	0.000584	0.089416
	-0.31784	-3.50444	0.000584	0.089458
FAM41C;SAMD11;TUBB8P11;MXRA8;TTLL10;ENSG000002237 64;CALML6	-0.33186	-3.50425	0.000585	0.089486
	0.237325	3.50406	0.000585	0.089513
	0.301467	3.503555	0.000586	0.089599
	-0.4049	-3.50348	0.000586	0.089599
SH3BP4	-0.58229	-3.50378	0.000586	0.08957
KRT16P3;MAP2K3	-0.31459	-3.50329	0.000587	0.089625
	0.310304	3.503188	0.000587	0.089627
NKD2;PDCD6;SDHA	0.392521	3.503033	0.000587	0.089643

	0.375069	3.502446	0.000588	0.089757
	-0.44491	-3.50234	0.000589	0.089757
	0.447815	3.502152	0.000589	0.089757
	-0.45653	-3.50214	0.000589	0.089757
FARP1	0.270762	3.502004	0.000589	0.089757
RBPMS	0.355731	3.501974	0.000589	0.089757
TET1;TSPAN15	-0.29854	-3.50167	0.00059	0.089815
ANXA11	0.398695	3.501485	0.00059	0.089824
FGFR1;GPR124;TACC1	0.487297	3.501439	0.000591	0.089824
TPST1	-0.47825	-3.50131	0.000591	0.089832
ZCCHC7	-0.35353	-3.50113	0.000591	0.089857
KIAA1755;TGIF2;SAMHD1;VSTM2L;MYL9;SOGA1	-0.35961	-3.501	0.000591	0.089866
	0.338262	3.501957	0.000589	0.089757
	-0.40287	-3.50082	0.000592	0.08989
IQCA1	-0.51875	-3.50046	0.000593	0.089898
	0.392025	3.500703	0.000592	0.089895
CACNA1H;MSRB1	-0.37107	-3.5002	0.000593	0.089898
	0.337955	3.500168	0.000593	0.089898
	-0.42593	-3.50005	0.000593	0.089898
	-0.40832	-3.50002	0.000593	0.089898
LPHN2	0.462182	3.499986	0.000594	0.089898
	0.263465	3.500031	0.000593	0.089898
ENSG00000260977;EPCAM;KCNK12	-0.40781	-3.49979	0.000594	0.089908
	0.456083	3.499753	0.000594	0.089908
F10;GAS6;TMEM255B;TMCO3;TFDP1;TUBGCP3;GRTP1	-1.17222	-3.49936	0.000595	0.089954
	0.283793	3.499334	0.000595	0.089954
ISL1	-0.47781	-3.49928	0.000595	0.089954
	-0.35457	-3.49893	0.000596	0.089954
	-0.60915	-3.49889	0.000596	0.089954
	0.30906	3.498718	0.000596	0.089954
RB1CC1	-0.4464	-3.49864	0.000596	0.089954
SLC45A1;RERE;SPSB1;ENO1	-0.43252	-3.49842	0.000597	0.089954
ASAP2;CPSF3;KLF11	-0.46332	-3.4983	0.000597	0.089954
	-0.26964	-3.49813	0.000597	0.089954
DEGS2;EML1;MEG3;MEG8;ENSG00000271417;HHIPL1;CCDC85C;BEGAIN;ENSG00000225746;RTL1;BCL11B;SLC25A29;WARS;WDR25	-0.4788	-3.49892	0.000596	0.089954
	-0.28866	-3.49807	0.000598	0.089954
TTC39B;FREM1	-0.44904	-3.49805	0.000598	0.089954
HES6;COL6A3;TRAF3IP1;UBE2F;COPS8;RAB17	-0.28691	-3.49802	0.000598	0.089954
	-0.44554	-3.49814	0.000597	0.089954
NHP2	-0.54909	-3.49793	0.000598	0.089954
MISP;PPAP2C;ARID3A	0.27093	3.497887	0.000598	0.089954
ING5;SNED1	0.373084	3.497561	0.000599	0.089994
ATM	0.406988	3.497568	0.000599	0.089994
MYO6	-0.30361	-3.49746	0.000599	0.089995

TIMP2;C1QTNF1;ENSG00000178404;USP36;DNAH17;TMC8;EN SG00000267491;TNRC6C;SEC14L1;TNRC6C-AS1	-0.33864	-3.49735	0.000599	0.089996
APITD1;TMEM201;CASZ1;UBE4B;LZIC	-0.51684	-3.49655	0.000601	0.090171
ZFP2;LMAN2	-0.34838	-3.49649	0.000601	0.090171
APPL2;C12orf75;CHST11;ENSG00000214198;TXNRD1;GLT8D2; C12orf73	-0.66488	-3.49664	0.000601	0.090171
CYB5R1;LGR6	0.304553	3.4963	0.000601	0.090171
	-0.48314	-3.49597	0.000602	0.090241
CAV1	-0.28718	-3.49583	0.000602	0.090255
	-0.41483	-3.49562	0.000603	0.090289
C1QTNF7;ENSG00000251379;CD38;PROM1;FBXL5	0.457369	3.496295	0.000601	0.090171
	0.306423	3.495233	0.000603	0.090379
PTP4A3;SLC45A4	-0.46252	-3.49471	0.000605	0.090514
	-0.52385	-3.49441	0.000605	0.090577
	-0.29882	-3.49409	0.000606	0.090592
	0.468557	3.493685	0.000607	0.090592
	0.309864	3.49352	0.000607	0.090592
	0.42232	3.493519	0.000607	0.090592
	-0.30379	-3.49369	0.000607	0.090592
	-0.45385	-3.49344	0.000607	0.090592
	0.449239	3.493434	0.000607	0.090592
	-0.35298	-3.49339	0.000607	0.090592
	0.418056	3.49341	0.000607	0.090592
IRX5	-0.45762	-3.49325	0.000608	0.090592
ROBO4	0.397288	3.493167	0.000608	0.090592
KDM2A;ANKRD13D	-0.2887	-3.49316	0.000608	0.090592
ENSG00000129951;SCAMP4;PPAP2C	0.26219	3.492929	0.000608	0.090602
GTF2E2;RBPMS;LINC00589	0.415361	3.492824	0.000609	0.090602
	0.327193	3.4926	0.000609	0.090602
SLC44A4;VWA7;LY6G5C;HSPA1L;NRM;TRIM39;NELFE;PPP1R18; TCF19;GNL1;PPP1R11;PPP1R10;BAG6;DHX16;CCHCR1;DDR1;H CG4P3	-0.3508	-3.49259	0.000609	0.090602
CACNA1A;ENSG00000141854;IL27RA;MAN2B1;ZNF20;ZNF709; FBXW9	-0.3191	-3.49233	0.00061	0.090602
ATF7IP2	-0.4109	-3.4924	0.000609	0.090602
GNA15;TJP3;GIPC3	-0.46036	-3.49235	0.00061	0.090602
	0.43758	3.492411	0.000609	0.090602
TMEM254;ZMIZ1;SFTPD;TMEM254-AS1;PPIF;ZCCHC24;MAT1A	-0.76164	-3.49158	0.000611	0.090772
VAMP2;ARHGEF15;CLDN7;NLGN2	-0.42582	-3.49138	0.000612	0.090772
	0.29466	3.491333	0.000612	0.090772
	0.364317	3.491295	0.000612	0.090772
	0.438167	3.492163	0.00061	0.090624
	-0.5397	-3.49068	0.000613	0.090937
	0.306321	3.490517	0.000614	0.090956
	-0.36321	-3.49036	0.000614	0.090975
	-0.35205	-3.49022	0.000614	0.090988

PLA2G4C;TEAD2;CARD8;RCN3;FUT2;RASIP1;PRRG2;CPT1C;CYT				
H2;HRC;RRAS;FAM83E;VRK3;FCGRT;EMP3;RUVBL2	-0.71451	-3.49006	0.000614	0.091001
RASA3;PCID2;DCUN1D2;GAS6	-0.57314	-3.48997	0.000615	0.091001
PPP1R18;DDR1;TNXB;NOTCH4;CLIC1;SLC44A4	-0.40048	-3.48988	0.000615	0.091001
	0.448094	3.489745	0.000615	0.091004
STOX1;TET1;TSPAN15;CCAR1	-0.36805	-3.48954	0.000616	0.091004
	-0.29369	-3.48958	0.000616	0.091004
RINL	0.327424	3.489464	0.000616	0.091004
	0.399101	3.489376	0.000616	0.091004
MBP	0.333849	3.489265	0.000616	0.091008
MISP;REEP6;ARID3A;MOB3A;HMHA1;GPX4	-0.3366	-3.48906	0.000617	0.09104
	0.479103	3.488702	0.000617	0.091123
	-0.26706	-3.48847	0.000618	0.091161
	-0.39189	-3.48829	0.000618	0.091161
	-0.34123	-3.48836	0.000618	0.091161
CCDC144NL;TMEM11	-0.37909	-3.48817	0.000619	0.091167
	0.644138	3.487884	0.000619	0.091227
	0.19492	3.487604	0.00062	0.091253
	0.446038	3.487502	0.00062	0.091253
PPP1R10;PPP1R18;TRIM31;DDR1;NRM	-0.36924	-3.48743	0.00062	0.091253
	0.276247	3.487407	0.00062	0.091253
	0.226342	3.486848	0.000621	0.091399
NT5M;LRRC48;TVP23B;SHMT1;FBXW10;TRIM16L;PRPSAP2;ENS				
G00000232344;ALKBH5	-0.58439	-3.48672	0.000622	0.091404
SETP21	0.618703	3.486636	0.000622	0.091404
IPP;PRDX1;GPBP1L1;HPDL;TMEM69;CCDC163P	-0.65922	-3.48638	0.000622	0.091411
AMOTL1;MTMR2;FUT4;MAML2;JRKL;LINC01171	-0.52079	-3.48636	0.000622	0.091411
	0.338502	3.486222	0.000623	0.091411
ENSG00000229852;MTO1;KCNQ5;SLC17A5;KHDC1;MB21D1	-0.40178	-3.486	0.000623	0.091411
	0.479181	3.485982	0.000623	0.091411
SOX17	0.41656	3.485934	0.000623	0.091411
	-0.27918	-3.48593	0.000623	0.091411
	0.430509	3.485747	0.000624	0.091436
	0.516496	3.485625	0.000624	0.091444
	0.516803	3.485514	0.000624	0.091448
	-0.38895	-3.48518	0.000625	0.091522
	0.424817	3.484934	0.000626	0.091566
ZNF362;SMIM12	-0.3513	-3.48485	0.000626	0.091566
	-0.27149	-3.4847	0.000626	0.091579
	0.271135	3.484612	0.000626	0.091579
ECHS1	0.224248	3.484418	0.000627	0.0916
ABCC5	-0.43796	-3.48432	0.000627	0.0916
PSMC3	-0.25791	-3.48425	0.000627	0.0916
	0.313884	3.484031	0.000628	0.091639
DCHS1;OLFML1;ILK;ZNF214;STK33	0.321926	3.483625	0.000628	0.091738
ARHGEF1;GRIK5	-0.31704	-3.48334	0.000629	0.091787

	0.603293	3.483277	0.000629	0.091787
KAZN	0.363296	3.483176	0.000629	0.091787
	0.361697	3.483027	0.00063	0.091794
EVC;S100P;EVC2;TBC1D14	-0.49592	-3.48291	0.00063	0.091794
HILPDA;SMO;UBE2H;NRF1;IRF5;RBM28;SMKR1;KLHDC10	0.410982	3.482392	0.000631	0.091794
TTC7B;TC2N;NDUFB1;CALM1;TRIP11;CPSF2	-0.56493	-3.48235	0.000631	0.091794
	-0.52224	-3.48239	0.000631	0.091794
	0.325626	3.482391	0.000631	0.091794
HORMAD1;FAM63A	-0.43107	-3.48237	0.000631	0.091794
GGA2;NDUFAB1;UBFD1;PRKCB	-0.5062	-3.4823	0.000631	0.091794
SMIM14;UGDH;WDR19;FAM114A1	-0.4738	-3.48228	0.000631	0.091794
PIF1;PLEKHO2;APH1B;SNX1;ANKDD1A;HERC1;CSNK1G1	0.656998	3.481468	0.000633	0.092021
ACACB;WSCD2	0.323023	3.481241	0.000634	0.092063
	0.330887	3.480853	0.000635	0.092156
SPINT1;RMDN3;DLL4;VPS18	0.282867	3.480543	0.000635	0.092224
	-0.24041	-3.48016	0.000636	0.092315
FGFR4	-0.49319	-3.4798	0.000637	0.092402
	-0.52522	-3.47927	0.000638	0.092506
	0.40957	3.479107	0.000638	0.092506
TRAF5;NEK2;INTS7	-0.55823	-3.47904	0.000639	0.092506
	-0.45417	-3.47898	0.000639	0.092506
CDIP1;C16orf71;SMIM22;GLYR1;C16orf89;CORO7;GLIS2;SEC14L5;CREBBP;SRL	-0.41433	-3.47896	0.000639	0.092506
	-0.3379	-3.47889	0.000639	0.092506
	0.372774	3.47872	0.000639	0.092529
HRH1	-0.46527	-3.47859	0.00064	0.092539
	-0.28999	-3.47775	0.000641	0.092734
IL6ST	-0.35794	-3.4777	0.000642	0.092734
FAM43A;GP5;ATP13A3	-0.35886	-3.47766	0.000642	0.092734
KIF26A;IGHG2;IGHGP;IGHA2;CEP170B;C14orf2;PLD4;AHNAK2;C14orf80	-0.44122	-3.47753	0.000642	0.092734
	-0.32753	-3.47743	0.000642	0.092734
FZD5;IDH1	-0.303	-3.47732	0.000642	0.092734
MYCBPAP;CACNA1G;TOB1-AS1;ACSF2;ABCC3;CHAD	-0.52478	-3.47721	0.000643	0.092734
	-0.39746	-3.47711	0.000643	0.092734
SNHG6	-0.21394	-3.47715	0.000643	0.092734
	0.346188	3.476689	0.000644	0.092801
	0.542099	3.476541	0.000644	0.092801
	0.300529	3.476467	0.000644	0.092801
TTYH2;HN1;UNC13D;SLC9A3R1	-0.46326	-3.47641	0.000644	0.092801
	0.337436	3.476324	0.000645	0.092801
FCHSD2	-0.38958	-3.47633	0.000645	0.092801
ENSG00000249279	0.402012	3.476124	0.000645	0.092835
CNTNAP1;HAP1;RAMP2-AS1;BECN1;TUBG2;ENSG00000267221;RAMP2;ACLY;PLEKHH3;PSME3;FKBP10;EZH1;COA3;AOC3	-0.3343	-3.47567	0.000646	0.092924
GAS6;TMEM255B;F10;MCF2L;GAS6-AS1;TMCO3	0.356696	3.475655	0.000646	0.092924

	0.162473	3.475339	0.000647	0.09297
NOTUM	-0.29643	-3.47515	0.000647	0.09297
CCM2L	-0.27323	-3.47512	0.000647	0.09297
	0.444718	3.475126	0.000647	0.09297
	0.160794	3.474928	0.000648	0.093003
PIP;EPHB6;TRPV6;ZYX;ENSG00000232533;KEL;ENSG00000253882;CASP2;FAM131B;EPHA1	-0.35893	-3.47456	0.000649	0.093091
F10	0.399566	3.474268	0.000649	0.093123
CCDC135;C16orf80;KATNB1;ENSG00000260467;BBS2;MT1F;ENSG00000260438;MT1G;MT3;ENSG00000261302;CCDC102A	-0.4367	-3.47418	0.000649	0.093123
ABCA4;ARHGAP29;ENSG00000233129	0.428492	3.474065	0.00065	0.093123
	-0.28595	-3.47399	0.00065	0.093123
	-0.38603	-3.47398	0.00065	0.093123
	0.245805	3.473703	0.000651	0.093181
	0.225111	3.473047	0.000652	0.093362
FCRL5;MEX3A;SH2D2A	-0.38882	-3.47294	0.000652	0.093365
	0.330129	3.472566	0.000653	0.093425
	0.204088	3.472582	0.000653	0.093425
	-0.32155	-3.4723	0.000654	0.09348
CLDN5;RANBP1;UFD1L;MRPL40	-0.58739	-3.47219	0.000654	0.093484
	0.350517	3.472024	0.000654	0.093484
	-0.51596	-3.47186	0.000655	0.093484
C2orf54	-0.39732	-3.47196	0.000654	0.093484
NUP50;ENSG00000197182;CERK;ENSG00000235347;ENSG00000231010	0.324445	3.471666	0.000655	0.093484
IRF4	0.374742	3.471577	0.000655	0.093484
GOLGA3	0.346935	3.471615	0.000655	0.093484
SQLE;TRMT12;ZNF572;ENSG00000271975	-0.3476	-3.47142	0.000656	0.093484
ENSG00000273179	0.54707	3.471442	0.000656	0.093484
TTC22	0.298443	3.471074	0.000656	0.093512
	0.332371	3.471057	0.000657	0.093512
	0.348398	3.471047	0.000657	0.093512
CXCL12;ZNF239;RASGEF1A;ZNF487;HNRNPF;ZNF33B;ZNF37BP	-0.2993	-3.47069	0.000657	0.093512
	-0.36917	-3.47066	0.000657	0.093512
	0.382108	3.470533	0.000658	0.093512
	-0.28058	-3.47042	0.000658	0.093512
	-0.58031	-3.47039	0.000658	0.093512
KIF3B;SNTA1;COMMD7;BPIFB1;CBFA2T2;CHMP4B	-0.33844	-3.47038	0.000658	0.093512
CDC20	0.360078	3.47039	0.000658	0.093512
ATP6V1D	0.41528	3.470241	0.000658	0.093516
SKI;ENSG00000269896;ATAD3A;ENSG00000271847;PRKCZ;VWA1;ANKRD65;RER1;CALML6	-0.38252	-3.47018	0.000659	0.093516
TRAC;RBM23	-0.51105	-3.47005	0.000659	0.093526

SEC14L1;UBALD2;RNF157-AS1;FOXJ1;SPHK1;ST6GALNAC2;PRPSAP1;ENSG00000267506;MXRA7;TNRC6C;CYGB;ST6GALNAC1	-0.52416	-3.46981	0.000659	0.093572
	-0.43759	-3.46949	0.00066	0.093629
LRRC37A4P;FMNL1	-0.43691	-3.46936	0.00066	0.093629
TBC1D27;ENSG00000226145;TRPV2;TOM1L2;RAI1-AS1;SMCR5	-0.53511	-3.46929	0.000661	0.093629
CD63;WIBG;TMEM198B;PAN2;LRP1	-0.34377	-3.46925	0.000661	0.093629
OAZ1;PCSK4;SCAMP4;GNA11;REEP6;GNG7	-0.78761	-3.46914	0.000661	0.093632
	0.416759	3.469056	0.000661	0.093632
	-0.39783	-3.46883	0.000662	0.093658
ZBTB9	-0.28329	-3.46877	0.000662	0.093658
	-0.44525	-3.46869	0.000662	0.093658
FAT4	0.306678	3.468518	0.000662	0.09368
	-0.47873	-3.46843	0.000663	0.09368
C12orf55;EEF1A1P33;ENSG00000258343;ELK3;NEDD1;USP44;FGD6	-0.37965	-3.4681	0.000663	0.093756
ENSG00000257298	0.226182	3.467452	0.000665	0.093933
	-0.37646	-3.46737	0.000665	0.093933
	-0.274	-3.46722	0.000665	0.093947
SHANK2;SHANK2-AS3	0.4887	3.467055	0.000666	0.093947
TTYH2;HN1	-0.4123	-3.46704	0.000666	0.093947
	-0.21284	-3.46689	0.000666	0.093966
MASP1;LPP;TPRG1;ENSG00000224049;ENSG00000213132	-0.58325	-3.46656	0.000667	0.094018
	0.30444	3.466539	0.000667	0.094018
	-0.45195	-3.46641	0.000667	0.094028
KIAA1614	-0.34831	-3.46617	0.000668	0.094043
	0.492517	3.466256	0.000668	0.094043
	0.240077	3.466083	0.000668	0.094043
	-0.3794	-3.46593	0.000668	0.09405
	-0.32971	-3.46587	0.000668	0.09405
SLC23A1;SPATA24;ECSCR;TMEM173;CYSTM1;KDM3B;NRG2;CXXC5;MZB1	-0.22437	-3.4657	0.000669	0.094075
	0.505846	3.465305	0.00067	0.094173
	0.536984	3.464661	0.000671	0.094322
	-0.4074	-3.46475	0.000671	0.094322
PPFIBP1	-0.43025	-3.4644	0.000672	0.094335
MRPL23;TSPAN4;ENSG00000251661;IFITM1;LRRC56;C11orf89;ATHL1	-0.35081	-3.46444	0.000672	0.094335
	0.382619	3.464338	0.000672	0.094335
	-0.40002	-3.46403	0.000673	0.094405
	0.402916	3.463789	0.000673	0.094453
	0.367717	3.463234	0.000675	0.094589
KAZN;FHAD1;DNAJC16	0.41149	3.463185	0.000675	0.094589
	0.286835	3.463033	0.000675	0.094608
BNIP1;ERGIC1;RPL26L1	0.413828	3.462843	0.000676	0.094639

RUNX3;CD52	0.263421	3.462333	0.000677	0.094775
ALS2CR11	-0.3769	-3.46182	0.000678	0.094903
	0.327494	3.461652	0.000678	0.094907
	-0.31682	-3.46176	0.000678	0.094903
ASB2;PRIMA1;PPP4R4;UNC79;ENSG00000258987;C14orf142;S				
ERPINA6	-0.40995	-3.46142	0.000679	0.094952
	0.279755	3.461033	0.00068	0.095048
	0.306722	3.460656	0.000681	0.095101
	0.494402	3.460424	0.000681	0.095101
MYC	-0.40424	-3.46078	0.00068	0.095101
MEG3;ENSG00000225746;MEG8;ENSG00000271417;DEGS2;B				
EGAIN;HHIPL1;RTL1;ENSG00000232018;EML1;WARS	-0.50329	-3.46028	0.000682	0.095101
INPP5D	-0.45289	-3.4603	0.000682	0.095101
TMC8;TNRC6C-AS1;TMC6;DNAH17	-0.43127	-3.46028	0.000682	0.095101
HMCN1;EDEM3	-0.37061	-3.46003	0.000682	0.09513
	0.309182	3.460213	0.000682	0.095101
ITGA10;NBPF9;LIX1L;ENSG00000225241	0.375838	3.459739	0.000683	0.095155
	0.219844	3.459802	0.000683	0.095155
SHQ1	-0.39655	-3.45963	0.000683	0.095155
	0.549264	3.45958	0.000683	0.095155
	0.414188	3.459201	0.000684	0.095207
IQCG;LMLN;BDH1;KIAA0226	-0.59558	-3.45918	0.000684	0.095207
ENSG00000233068;FAM50B;ENSG00000260604	0.401619	3.459141	0.000684	0.095207
	-0.36573	-3.45882	0.000685	0.095281
	-0.39859	-3.45857	0.000686	0.095333
IRF8;FOXL1	-0.4621	-3.45836	0.000686	0.095372
	0.271365	3.458172	0.000687	0.095403
FAM83H-AS1;RHPN1-				
AS1;ARHGAP39;EEF1D;MAPK15;ENSG00000254973;ZNF34;TO				
P1MT	-0.36414	-3.45786	0.000687	0.095451
	0.42366	3.45784	0.000687	0.095451
	-0.4436	-3.45767	0.000688	0.095477
GFER	0.401463	3.457466	0.000688	0.095513
	-0.35324	-3.45734	0.000689	0.095522
	0.417645	3.457249	0.000689	0.095523
	-0.34636	-3.45705	0.000689	0.095556
	0.328878	3.456923	0.00069	0.095569
FDFT1;C8orf12;ENSG00000255122;FAM167A;RPS3AP34;FAM8				
6B2;ENSG00000238460	-0.34654	-3.45677	0.00069	0.095589
	0.384774	3.456614	0.00069	0.095609
	-0.40251	-3.45628	0.000691	0.09569
LINC00899	-0.39627	-3.45613	0.000691	0.095707
NOTUM;SLC25A10;OGFOD3;ENSG00000265458;BAIAP2	-0.50485	-3.45589	0.000692	0.095719
KLHL7-AS1	0.409374	3.455878	0.000692	0.095719
	0.283338	3.455748	0.000692	0.095719
LRRC48;ENSG00000232344;ATPAF2	-0.24178	-3.45569	0.000692	0.095719
	-0.33764	-3.45557	0.000693	0.095719

	0.320493	3.455478	0.000693	0.095719
SDK1	0.634372	3.455442	0.000693	0.095719
	0.317807	3.454957	0.000694	0.095787
	0.472697	3.45496	0.000694	0.095787
	-0.5646	-3.45497	0.000694	0.095787
ENSG00000264198	0.194534	3.454459	0.000695	0.095916
ADAM33;HSPA12B;CDC25B;FASTKD5;SLC4A11	0.267309	3.454261	0.000696	0.095916
KALRN	-0.23489	-3.45405	0.000696	0.095916
LAMTOR2;ETV3;CCT3	-0.32286	-3.45403	0.000696	0.095916
	0.334974	3.453856	0.000697	0.095916
MIR143HG;MIR145;PDGFRB;ENSG00000253864;MIR143;MYOZ3;SYNPO;ABLIM3;CSNK1A1;HMGXB3;SLC26A2;NDST1;ARSI	-0.52047	-3.45389	0.000697	0.095916
	0.370869	3.453823	0.000697	0.095916
PRSS54	0.402439	3.453731	0.000697	0.095916
	-0.59099	-3.45368	0.000697	0.095916
PWWP2B	0.582275	3.453638	0.000697	0.095916
	0.244402	3.453432	0.000698	0.095954
RAN	0.421593	3.453167	0.000699	0.095962
	0.321895	3.453132	0.000699	0.095962
	-0.51177	-3.45309	0.000699	0.095962
TOP2A;RAPGEFL1;PPP1R1B;ENSG00000266208;KRT20;CDC6	-0.45078	-3.45304	0.000699	0.095962
CFB	0.269021	3.452497	0.0007	0.096103
ENSG00000273179	-0.36967	-3.45237	0.000701	0.096103
	0.242038	3.45233	0.000701	0.096103
PDCD6;TPPP;SLC9A3;LPCAT1;ENSG00000188242;NKD2;ENSG00000225138;ENSG00000268885;TRIP13	-0.60993	-3.45224	0.000701	0.096103
	-0.33933	-3.45205	0.000701	0.096135
	-0.23589	-3.45186	0.000702	0.096135
	-0.47365	-3.45194	0.000702	0.096135
FHAD1;DNAJC16;ENSG00000228140;RSG1;KAZN;NECAP2;ENSG00000233421;ENSG00000237301;ARHGEF19;CLCNKA;FBLIM1;CROCCP3;CLCNKB;HSPB7;DDI2;ANO7P1	-0.49609	-3.45176	0.000702	0.096135
	-0.32076	-3.4516	0.000702	0.096135
ECSCR;WDR55;DNAJC18;IK;TMEM173;PURA;IGIP;PCDHB3	-0.57011	-3.45159	0.000702	0.096135
STX18;STK32B	-0.45227	-3.45124	0.000703	0.096177
	0.361498	3.451122	0.000704	0.096177
STYK1;LOH12CR1;TAS2R30;TAS2R15	-0.58097	-3.45122	0.000703	0.096177
	0.491445	3.451095	0.000704	0.096177
SARDH;COL5A1;ADAMTSL2;SLC2A6	-0.30882	-3.45086	0.000704	0.096222
	-0.55612	-3.45068	0.000705	0.096254
	-0.32551	-3.45032	0.000706	0.096311
S1PR2	-0.21594	-3.45035	0.000705	0.096311
	-0.26768	-3.45006	0.000706	0.096319
MRPL14;SLC29A1;CDC5L;TMEM63B	-0.31153	-3.44987	0.000707	0.096319

ZC2HC1C;TTLL5;CCDC176;ENSG00000259319;IFT43;ACYP1;ISCA2;ENSG00000259103;FCF1	-0.37479	-3.44988	0.000707	0.096319
	0.290746	3.449845	0.000707	0.096319
SLC22A17	0.297277	3.449837	0.000707	0.096319
ENSG00000250848	0.327066	3.449532	0.000707	0.096333
	0.549666	3.449424	0.000708	0.096333
	0.309221	3.449332	0.000708	0.096333
	-0.34567	-3.44909	0.000709	0.096333
ENSG00000233369	-0.35003	-3.44925	0.000708	0.096333
SLBP;TMED11P;ENSG00000227189;SLC26A1;ENSG00000272588	0.310651	3.448972	0.000709	0.096333
	-0.38469	-3.44895	0.000709	0.096333
	0.279443	3.448848	0.000709	0.096333
UNC13B;RUSC2;TLN1;DNAJB5;STOML2;GLIPR2;CLTA;TPM2;VCP;GNE;HINT2;PIGO;RMRP	0.389793	3.448746	0.000709	0.096333
GNA14;ENSG00000231373;PCSK5;VPS13A;RFK	-0.42813	-3.44869	0.000709	0.096333
	0.409806	3.448604	0.00071	0.096333
	-0.21782	-3.44842	0.00071	0.096333
MRVI1	0.327822	3.448359	0.00071	0.096333
	-0.34323	-3.44831	0.00071	0.096333
TTC9;GALNT16	-0.47346	-3.44823	0.000711	0.096333
CPSF6;IFNG-AS1	-0.48459	-3.44824	0.000711	0.096333
	0.26104	3.448422	0.00071	0.096333
SEZ6L2;SEPHS2;PRRT2;TGFB1I1;MVP;PPP4C;PRSS53;PRSS8	0.224489	3.448025	0.000711	0.096341
POGZ	0.291099	3.448027	0.000711	0.096341
	-0.31276	-3.44765	0.000712	0.096404
	0.440324	3.447711	0.000712	0.096404
	0.319327	3.447519	0.000712	0.096418
	-0.27866	-3.44733	0.000713	0.096437
	0.257619	3.447244	0.000713	0.096437
GAN;CMIP	-0.43749	-3.44719	0.000713	0.096437
	-0.30215	-3.44694	0.000714	0.096491
	0.348822	3.446588	0.000715	0.096576
SEPT11;SOWAHB	0.431646	3.446448	0.000715	0.096592
	0.348911	3.446234	0.000716	0.096633
	-0.35733	-3.44605	0.000716	0.096665
	0.378822	3.445757	0.000717	0.096701
	0.295286	3.445764	0.000717	0.096701
	-0.42433	-3.44561	0.000717	0.096721
	-0.42286	-3.44509	0.000718	0.096812
TGFBR3;HFM1	-0.44866	-3.44503	0.000719	0.096812
FAM120A;ECM2;OGN;OMD;ASPN;IPPK;ANKRD19P	0.387301	3.444829	0.000719	0.096812
	0.367311	3.444838	0.000719	0.096812
IDI1	-0.63697	-3.44484	0.000719	0.096812
TRAF3IP1;LINC01107;RAB17;COL6A3;LRRFIP1;HES6;TWIST2;COPS8;ENSG00000232306;MLPH	-0.4643	-3.44479	0.000719	0.096812

	-0.42087	-3.44444	0.00072	0.096896
SMAP2;CITED4;TRIT1;ZMPSTE24;RIMS3;NFYC;KCNQ4	-0.37372	-3.44407	0.000721	0.096991
FAM83H-AS1;RHPN1-AS1;ARHGAP39;EEF1D;TOP1MT;ZNF34;ENSG00000254973;MAPK15	-0.36444	-3.44374	0.000722	0.097031
TRIM2;ARFIP1;KIAA0922	-0.32761	-3.4436	0.000722	0.097031
C1orf168;PPAP2B	-0.37226	-3.44363	0.000722	0.097031
	-0.28821	-3.44359	0.000722	0.097031
TSPAN4;IFITM2;IFITM1	0.34135	3.443217	0.000723	0.097045
CATSPERB	-0.40076	-3.44333	0.000723	0.097045
PMAIP1;ZNF532	-0.43987	-3.44317	0.000723	0.097045
	0.351639	3.443106	0.000723	0.097045
	-0.27638	-3.443	0.000724	0.097045
	0.398167	3.44303	0.000724	0.097045
	-0.33581	-3.44261	0.000725	0.097116
ZNF423;ADCY7;ENSG00000261685;NKD1;ENSG00000260029	-0.47926	-3.44264	0.000724	0.097116
	-1.15482	-3.44241	0.000725	0.097143
BZW1;NDUFB3	0.458107	3.442346	0.000725	0.097143
DCLK2;LRBA	-0.48609	-3.44216	0.000726	0.097149
GLT8D2;APPL2	-0.36374	-3.44206	0.000726	0.097149
	-0.28986	-3.44196	0.000726	0.097149
	-0.48925	-3.44196	0.000726	0.097149
	0.540638	3.441784	0.000727	0.097149
ANTXRLP1	0.239912	3.441783	0.000727	0.097149
	0.519436	3.441527	0.000727	0.097205
	0.260801	3.441242	0.000728	0.097262
	-0.30726	-3.44108	0.000728	0.097262
	0.319551	3.441136	0.000728	0.097262
DNAAF2;ENSG00000258450	-0.57866	-3.44066	0.000729	0.097354
	0.339185	3.440374	0.00073	0.097354
ENSG00000206113;ENSG00000248399;ENSG00000249428;WHSC1;SH3BP2;NOP14	-0.47649	-3.44037	0.00073	0.097354
	0.420991	3.440351	0.00073	0.097354
	0.278428	3.44027	0.00073	0.097354
	-0.34595	-3.44041	0.00073	0.097354
	0.395995	3.44013	0.000731	0.09737
	0.262311	3.4398	0.000732	0.097451
	0.515929	3.439322	0.000733	0.097582
	0.394376	3.43894	0.000734	0.09768
	0.344805	3.438679	0.000734	0.097719
	-0.43194	-3.43865	0.000735	0.097719
SHANK2-AS1;SHANK2;SHANK2-AS2;SHANK2-AS3;ENSG00000227726	0.425166	3.438409	0.000735	0.097744
ARHGAP11B	-0.4139	-3.4383	0.000735	0.097744
PLCG2;ENSG00000260682;GAN;CDYL2	-0.51133	-3.43839	0.000735	0.097744
	0.384669	3.438169	0.000736	0.097758

ALDH1A3;TARSL2;DNM1P47;ENSG00000232386	-0.43453	-3.43785	0.000737	0.097834
ENSG00000267848;C20orf195;STMN3;SLC2A4RG;SOX18;ZNF5				
12B;LINC00176	-0.46634	-3.43771	0.000737	0.097838
RBM23;ZFHX2;REM2	0.34582	3.437662	0.000737	0.097838
	-0.74097	-3.43755	0.000737	0.097844
	0.269726	3.437314	0.000738	0.097885
	-0.29858	-3.43725	0.000738	0.097885
BIN2	0.513743	3.437044	0.000739	0.097925
	0.42427	3.436824	0.000739	0.097969
WDR24;METRN;HBA1	0.255953	3.436452	0.00074	0.098056
	0.322586	3.436216	0.000741	0.098056
	0.607896	3.436127	0.000741	0.098056
	-0.72354	-3.43612	0.000741	0.098056
EFCAB7;ROR1;DNAJC6;ENSG00000223949	-0.47338	-3.43594	0.000741	0.098056
BTN3A1;BTN3A2;ASS1P1;BTN2A2	0.319673	3.436165	0.000741	0.098056
	-0.29368	-3.43584	0.000742	0.098057
ENSG00000259881	-0.39909	-3.43595	0.000741	0.098056
	0.212938	3.435438	0.000743	0.098141
	0.397353	3.435202	0.000743	0.098153
NID2;FERMT2;ERO1L;GNPNAT1;DDHD1;ENSG00000237356	-0.51814	-3.43533	0.000743	0.098141
CES1P1	0.351602	3.435362	0.000743	0.098141
	0.397754	3.435103	0.000744	0.098157
	0.323662	3.434766	0.000744	0.098184
	0.384465	3.434755	0.000744	0.098184
	-0.37519	-3.43476	0.000744	0.098184
	-0.45345	-3.43414	0.000746	0.098341
	0.405176	3.434023	0.000746	0.098341
FOXF1;FENDRR;ENSG00000261175;FOXL1;SLC7A5	-0.63007	-3.43407	0.000746	0.098341
WDR66;LRRC43;MORN3;TMEM120B;KNTC1;BCL7A;ANAPC5;C				
AMKK2;HNF1A;VPS33A;ENSG00000256546;DIABLO;ORAI1	-0.93529	-3.43356	0.000748	0.098469
ARHGEF15;BCL6B;CLDN7;ATP1B2;ENSG00000270606;MPDU1;				
NLGN2;MIR497HG;SLC2A4	0.407316	3.433109	0.000749	0.098591
ENSG00000253853;CSMD1	0.503008	3.432656	0.00075	0.098642
	0.446434	3.432718	0.00075	0.098642
	0.368049	3.432684	0.00075	0.098642
WDR45B;PCYT2;SLC25A10;ENSG00000265678;LRRC45;NOTU				
M	-0.32369	-3.4326	0.00075	0.098642
NME4;SOX8;ENSG00000260807	-0.60454	-3.43234	0.000751	0.098644
KIRREL	0.429003	3.432273	0.000751	0.098644
	0.383574	3.432107	0.000751	0.098644
	0.258725	3.432032	0.000752	0.098644
MAP3K13;LIPH	0.397303	3.431952	0.000752	0.098644
ZNF354C;RNF130;MAML1;CNOT6;ADAMTS2;TBC1D9B	-0.42212	-3.43198	0.000752	0.098644
ASPA;ATP2A3;TRPV3;HIC1;RAP1GAP2	-0.43184	-3.43192	0.000752	0.098644
LRRC15;GP5;FAM43A	-0.63171	-3.43176	0.000752	0.098655

	0.448893	3.43188	0.000752	0.098644
	-0.32689	-3.43163	0.000753	0.09867
	0.412881	3.431517	0.000753	0.098677
SCN2B;MCAM;FXYD2;PHLDB1	0.394779	3.431047	0.000754	0.098807
	0.351047	3.430895	0.000754	0.098828
	-0.30247	-3.42958	0.000758	0.099186
ENSG00000215244;FBXO18;UCN3;ENSG00000212743	-0.52825	-3.42941	0.000758	0.099214
	-0.22332	-3.42929	0.000759	0.099225
	0.463653	3.429653	0.000758	0.099186
	0.509757	3.429186	0.000759	0.09923
	0.398158	3.428445	0.000761	0.099449
	-0.49276	-3.43067	0.000755	0.098873
IRF1;SEPT8	0.366873	3.428172	0.000762	0.099449
	0.187613	3.42817	0.000762	0.099449
MSI2;TRIM37	-0.33822	-3.42804	0.000762	0.099449
	0.174418	3.427938	0.000762	0.099449
	0.410715	3.427925	0.000762	0.099449
	-0.41668	-3.42796	0.000762	0.099449
	0.357704	3.42761	0.000763	0.09947
RB1CC1	-0.45075	-3.42757	0.000763	0.09947
PLCG2;ENSG00000260682	0.273407	3.427543	0.000763	0.09947
	-0.3228	-3.42749	0.000763	0.09947
TIMP2;C1QTNF1	-0.30944	-3.42742	0.000764	0.09947
ENSG00000180712;SORBS2;CENPU;PDLIM3;ENSG00000233110;FAM149A;CASP3;SNX25;ANKRD37	-0.69511	-3.42729	0.000764	0.099485
TSPAN18	0.443534	3.426945	0.000765	0.099523
FCHSD2;PDE2A;P2RY2;RELT;ENSG00000260401;STARD10	-0.3607	-3.42688	0.000765	0.099523
	-0.62125	-3.42685	0.000765	0.099523
FCHSD2;FOLR2	-0.42054	-3.42679	0.000765	0.099523
ENSG00000267758;KRT42P;TTC25;ENSG00000264058;ENSG00000234477	0.461809	3.426676	0.000766	0.099523
CPEB3	-0.47927	-3.42656	0.000766	0.099523
	0.265287	3.426558	0.000766	0.099523
	0.218503	3.426211	0.000767	0.099556
COL6A5	-0.50042	-3.42621	0.000767	0.099556
COL6A1;COL18A1;COL6A2;COL18A1-AS1;ADARB1;C21orf58;COL18A1-AS2;ENSG00000268805;YBEY;PTTG1IP;SLC19A1;POFUT2;ENSG00000267857;MCM3AP-AS1	-0.39884	-3.4261	0.000767	0.099556
	0.282594	3.426135	0.000767	0.099556
	-0.23264	-3.42594	0.000767	0.099556
KIF21B;PTPN7	0.291986	3.425901	0.000768	0.099556
	-0.63009	-3.42576	0.000768	0.099556
	-0.37257	-3.42582	0.000768	0.099556
GALE;GRHL3;ID3	-0.43675	-3.42514	0.00077	0.099737
	0.388359	3.424771	0.000771	0.099814
	0.313753	3.424431	0.000771	0.099814

	-0.3863	-3.42431	0.000772	0.099814
HRH1	-0.46413	-3.42446	0.000771	0.099814
	-0.29404	-3.42421	0.000772	0.099814
SLC39A1;RAB13;S100A9;S100A8	-0.31621	-3.42429	0.000772	0.099814
	0.421297	3.424266	0.000772	0.099814
	0.183342	3.423892	0.000773	0.09987
	-0.5526	-3.42424	0.000772	0.099814
	0.334166	3.423806	0.000773	0.09987
FBLN7	-0.40118	-3.42379	0.000773	0.09987
	-0.40311	-3.42347	0.000774	0.099947
	-0.32631	-3.42305	0.000775	0.100062
	0.281142	3.42295	0.000775	0.100067
	-0.35092	-3.42267	0.000776	0.100076
	-0.241	-3.42234	0.000777	0.100076
	-0.2897	-3.42253	0.000777	0.100076
	0.288822	3.422254	0.000777	0.100076
	0.186174	3.422213	0.000777	0.100076
	0.376382	3.422075	0.000778	0.100076
PARP12;HIPK2	-0.57933	-3.42247	0.000777	0.100076
C2CD2L;USP2;CCDC153;USP2-AS1;OAF;MCAM;DPAGT1;ENSG00000255247	0.455392	3.422514	0.000777	0.100076
SH3YL1	-0.3827	-3.42225	0.000777	0.100076
IGHV3-23;IGHM;IGHG3;IGHA1;IGHJ3P;IGHV3-7;IGHGP;IGHV5-51;IGHV3-48;IGHG2;IGHA2;IGHV4-34	-0.21803	-3.42191	0.000778	0.100076
	-0.3715	-3.42191	0.000778	0.100076
	0.255926	3.421792	0.000778	0.100076
	-0.4252	-3.4217	0.000779	0.100076
	0.257546	3.421611	0.000779	0.100076
	0.346504	3.421665	0.000779	0.100076
PPM1B	0.389269	3.421393	0.00078	0.100082
	0.19887	3.4213	0.00078	0.100082
FZD3	-0.41929	-3.4213	0.00078	0.100082
	-0.49726	-3.42114	0.00078	0.100082
STK10	-0.46758	-3.42103	0.000781	0.100082
	0.431076	3.420982	0.000781	0.100082
	0.199181	3.421025	0.000781	0.100082
	0.31762	3.420805	0.000781	0.100112
JAM3;IGSF9B;GLB1L2	-0.4226	-3.42044	0.000782	0.100143
	0.290648	3.420363	0.000782	0.100143
	-0.25848	-3.42026	0.000783	0.100143
	0.328996	3.420074	0.000783	0.100143
	0.371031	3.419993	0.000783	0.100143
	0.673852	3.419917	0.000784	0.100143
	-0.32893	-3.42019	0.000783	0.100143
	0.247273	3.419903	0.000784	0.100143
	0.41387	3.419795	0.000784	0.100143
	-0.41948	-3.41967	0.000784	0.100143

FCHSD2;PDE2A;PPME1;STARD10;MRPL48;P2RY2;ENSG00000260401	-0.42398	-3.41974	0.000784	0.100143
ELN;TBL2	0.278881	3.419705	0.000784	0.100143
CEP68	-0.46689	-3.41947	0.000785	0.100178
KIF7;CRTC3;ABHD2;IDH2;CIB1	0.305078	3.419395	0.000785	0.100178
	-0.35652	-3.41931	0.000785	0.100178
SPHK1;ITGB4;EVPL;SEC14L1	-0.41843	-3.41905	0.000786	0.100237
	-0.25505	-3.41882	0.000786	0.100287
	-0.20178	-3.41817	0.000788	0.10047
	-0.43224	-3.41812	0.000788	0.10047
RPS6KA1;CEP85;FAM110D	-0.38734	-3.41795	0.000789	0.100496
SPRED2	0.4138	3.417488	0.00079	0.100627
	-0.24052	-3.41727	0.000791	0.100642
	0.33523	3.417307	0.000791	0.100642
	-0.38498	-3.41706	0.000791	0.100656
NME4;RGS11;CACNA1H;ENSG00000196674;TPSAB1;MSLN;TPSB2;TMEM204;TPSD1;UBE2I;SOX8;ENSG00000261659;METRN;ENSG00000260807;CCDC78;UNKL;BAIAP3	-0.46494	-3.41715	0.000791	0.100653
PRKCA;AXIN2	0.319371	3.416745	0.000792	0.100704
	0.523988	3.416822	0.000792	0.100704
	0.570535	3.416556	0.000793	0.10074
GARNL3	0.347496	3.416386	0.000793	0.100769
PCDH12;SPRY4;ARAP3	0.608431	3.415859	0.000795	0.100905
PLEKHG4B;TRIP13	0.236892	3.415464	0.000796	0.100905
	0.371599	3.41558	0.000795	0.100905
	0.547869	3.415494	0.000796	0.100905
RASAL1;ENSG00000199899;IQCD;CCDC42B;OAS2;SLC8B1;PLBD2	-0.4774	-3.41526	0.000796	0.100905
	0.447764	3.415347	0.000796	0.100905
	0.41329	3.415262	0.000796	0.100905
	0.423178	3.415165	0.000796	0.100905
TBC1D8;ENSG00000272902	-0.44913	-3.41503	0.000797	0.100905
THEM4;BNIPL;CGN;PSMD4;S100A11;SELENBP1;SEMA6C	0.658333	3.415134	0.000797	0.100905
	0.278054	3.414956	0.000797	0.100905
GAS5	0.355948	3.414965	0.000797	0.100905
	0.312838	3.414745	0.000798	0.100909
	0.309102	3.414698	0.000798	0.100909
SSBP2;SERINC5	0.32279	3.414686	0.000798	0.100909
	0.236411	3.414112	0.000799	0.101078
	0.298878	3.413994	0.0008	0.101089
	0.373106	3.413744	0.0008	0.10112
	-0.27999	-3.4136	0.000801	0.10112
SLFN5	0.236731	3.413545	0.000801	0.10112
	0.375044	3.413475	0.000801	0.10112
PPP4R1;PTPRM	-0.62725	-3.41336	0.000801	0.101131
PDE9A;UBASH3A;TRPM2;SLC37A1	0.425587	3.413496	0.000801	0.10112
	0.291515	3.413231	0.000802	0.101141

ZNF473	0.298216	3.413157	0.000802	0.101141
	0.276003	3.413061	0.000802	0.101144
	0.3313	3.412768	0.000803	0.101179
	-0.44202	-3.41277	0.000803	0.101179
	0.288286	3.412702	0.000803	0.101179
CASP3;PDLIM3;CENPU	-0.51628	-3.41236	0.000804	0.101231
	0.376869	3.412309	0.000804	0.101231
ENSG00000267610	0.338759	3.412297	0.000804	0.101231
	-0.30616	-3.4121	0.000805	0.10125
NARS2	-0.40251	-3.41193	0.000805	0.10125
SERPINB6	-0.57331	-3.41184	0.000806	0.10125
	0.299889	3.411813	0.000806	0.10125
CRNDE;CES1;IRX5;CES1P1	-0.46102	-3.41184	0.000806	0.10125
	-0.32289	-3.41163	0.000806	0.101283
	0.226751	3.411405	0.000807	0.101289
ENSG00000268838	-0.4335	-3.41131	0.000807	0.101289
DNAH5;ENSG00000251423;ANKH;TRIO;FAM105B;RBBP4P1	-0.48596	-3.41105	0.000808	0.101315
	0.156201	3.411026	0.000808	0.101315
	0.256722	3.411351	0.000807	0.101289
	-0.30863	-3.41127	0.000807	0.101289
	0.365571	3.410932	0.000808	0.101318
SHROOM3;NAAA;FAM47E	-0.46648	-3.41058	0.000809	0.101332
	0.271491	3.410685	0.000809	0.101332
ITPR3;ANKS1A;ENSG00000272288;RGL2;SYNGAP1	-0.31945	-3.41037	0.00081	0.101364
	-0.32	-3.4106	0.000809	0.101332
SLC16A1-AS1	0.3035	3.410549	0.000809	0.101332
	0.326308	3.409575	0.000812	0.10157
FES;CRTC3	0.305322	3.409624	0.000812	0.10157
GPLD1;ALDH5A1;DCDC2;KIAA0319;FAM65B	-0.76891	-3.40946	0.000812	0.10157
RAB37	-0.21791	-3.40941	0.000812	0.10157
	-0.3505	-3.40918	0.000813	0.10157
	-0.21799	-3.40926	0.000813	0.10157
MRPL23;CARS;ENSG00000255367;IGF2	-0.50442	-3.40924	0.000813	0.10157
LPCAT1	-0.34448	-3.40906	0.000813	0.101575
	-0.30017	-3.40893	0.000814	0.101575
TMEM45B;ARHGAP32;ENSG00000255455;SNX19	-0.55606	-3.40892	0.000814	0.101575
ENSG00000244137	0.364762	3.408772	0.000814	0.101577
	-0.30655	-3.4086	0.000815	0.101577
	-0.35485	-3.40822	0.000816	0.101577
CNNM2;C10orf95;NFKB2;LDB1;ARL3;SH3PXD2A;CALHM2;FBXW4;C10orf32;PPRC1	-0.33911	-3.40847	0.000815	0.101577
ENSG00000261226	0.437418	3.408224	0.000816	0.101577
ORAI2	-0.47554	-3.40823	0.000816	0.101577
	0.204838	3.408143	0.000816	0.101577
	0.567802	3.408199	0.000816	0.101577
NOTCH4;C6orf10;TNXB;HSPA1A;CLIC1;RNF5;SLC44A4	-0.36576	-3.40796	0.000816	0.101583

ITGA8;ACBD7;FAM107B;MEIG1;C10orf111	-0.43381	-3.40817	0.000816	0.101577
PCED1B	-0.41789	-3.40798	0.000816	0.101583
KIAA0232	0.370411	3.407725	0.000817	0.101634
SFMBT1;PRKCD;CACNA2D3	0.309025	3.407355	0.000818	0.101663
PSMD1;B3GNT7	-0.37818	-3.40729	0.000818	0.101663
SLC44A4;ZBTB9;HSD17B8	-0.65892	-3.40719	0.000819	0.101663
GRB10;COBL;ZPBP	-0.52335	-3.40715	0.000819	0.101663
PHACTR1	-0.39691	-3.40723	0.000818	0.101663
TTC5;RNASE1	0.340813	3.407048	0.000819	0.101663
	0.414815	3.407058	0.000819	0.101663
TEAD1	-0.39709	-3.4068	0.00082	0.101689
	-0.46734	-3.40654	0.00082	0.101722
TMC8;TIMP2;C1QTNF1;TMC6;ENSG00000178404	-0.38637	-3.40694	0.000819	0.101673
	0.410644	3.40663	0.00082	0.10172
	0.364953	3.406354	0.000821	0.101757
TACC3;HAUS3;ZNF141;LETM1;SCARNA22;WHSC1	-0.54788	-3.40607	0.000822	0.101826
	-0.36384	-3.40596	0.000822	0.101837
TACC1;FGFR1;ENSG00000254290;ENSG00000254111;PLEKHA2;WHSC1L1;ERLIN2;RAB11FIP1;GPR124;ENSG00000253414;PPAPDC1B	-0.29149	-3.40552	0.000823	0.10189
	0.303861	3.405682	0.000823	0.10189
SCMH1;SLC2A1;PPCS	0.287109	3.405526	0.000823	0.10189
COPB2;MRAS;NMNAT3;FAIM	0.271923	3.40534	0.000824	0.10189
	-0.38428	-3.40505	0.000825	0.10189
	0.394089	3.40523	0.000824	0.10189
LRRC49;MYO9A;GRAMD2;CT62	-0.47961	-3.4051	0.000824	0.10189
	0.292762	3.405251	0.000824	0.10189
	0.461061	3.40511	0.000824	0.10189
	0.417147	3.404876	0.000825	0.10192
	-0.31406	-3.40456	0.000826	0.101944
	0.322933	3.404464	0.000826	0.101944
	-0.3097	-3.40444	0.000826	0.101944
EVC;EVC2;S100P;CCDC96;CRMP1;KIAA0232;SORCS2;PSAPL1;BLOC1S4	-0.47043	-3.40436	0.000827	0.101944
	0.301456	3.404476	0.000826	0.101944
SYNC;ZBTB8A;TMEM39B;FNDC5;IQCC	-0.50628	-3.4043	0.000827	0.101944
C11orf74;PAMR1;LDLRAD3;SLC1A2;RAG2	-0.37395	-3.40393	0.000828	0.102023
	0.298199	3.403907	0.000828	0.102023
	-0.32396	-3.40375	0.000828	0.102032
	0.2932	3.403631	0.000829	0.102032
	0.393851	3.403487	0.000829	0.102032
NIPAL1;TXK;OCIAD2	-0.7454	-3.40346	0.000829	0.102032
	-0.4306	-3.40334	0.000829	0.102032
	-0.23918	-3.40328	0.00083	0.102032
	-0.33977	-3.40311	0.00083	0.102035
	0.397802	3.403031	0.00083	0.102035
	-0.34348	-3.40321	0.00083	0.102032

DHX16	-0.35074	-3.40321	0.00083	0.102032
MYCBPAP;NXPH3;COL1A1	0.440263	3.402501	0.000832	0.102106
	0.351501	3.402478	0.000832	0.102106
FAM120B	-0.3192	-3.40243	0.000832	0.102106
	0.323051	3.402421	0.000832	0.102106
CCDC146;STYXL1;SRRM3;ENSG00000250990;RHBDD2;HIP1	-0.53864	-3.40236	0.000832	0.102106
	-0.33161	-3.4023	0.000832	0.102106
	-0.52096	-3.40209	0.000833	0.102106
PPP1R18;HCP5;HSPA1A	-0.39671	-3.40209	0.000833	0.102106
ZNF536	0.276289	3.401781	0.000834	0.102106
COL5A1;SARDH;ADAMTSL2;SLC2A6	-0.42309	-3.40166	0.000834	0.102106
BPIFB1;BPIFB2	0.20953	3.401446	0.000835	0.102106
	0.395224	3.401411	0.000835	0.102106
GLI3	0.59599	3.401405	0.000835	0.102106
CERK;CELSR1;GRAMD4	-0.41514	-3.4017	0.000834	0.102106
	0.27516	3.401413	0.000835	0.102106
ENSG00000260051;POLR3K	0.252897	3.4015	0.000835	0.102106
	0.293655	3.401079	0.000836	0.10213
TMCC2;NUAK2	-0.28987	-3.40145	0.000835	0.102106
BMP7;PMEPA1	0.357033	3.400984	0.000836	0.10213
	0.39866	3.401051	0.000836	0.10213
	-0.23878	-3.40088	0.000836	0.10213
	0.366749	3.400833	0.000837	0.10213
APEH	-0.35949	-3.401	0.000836	0.10213
BBS5;CCDC173;ENSG00000226072;KLHL41;LRP2	-0.4457	-3.40059	0.000837	0.102163
HTR7P1;HEBP1	0.247966	3.400454	0.000838	0.102163
	0.288904	3.400442	0.000838	0.102163
EGFL7;CCDC183-AS1	0.24727	3.400408	0.000838	0.102163
	0.441074	3.400233	0.000838	0.102195
	0.261164	3.399891	0.000839	0.102217
COL5A3;AP1M2;KANK2;CCDC151;OLFM2;CNN1;ZNF627	-0.38371	-3.4	0.000839	0.102217
	0.381209	3.399835	0.000839	0.102217
ABCA8;ABCA6;ABCA10;ABCA9;ENSG00000267361;ABCA5;C17orf58	0.46163	3.399882	0.000839	0.102217
	-0.28444	-3.39967	0.00084	0.102247
PYCR2;ITPKB;C1orf95;SRP9	-0.52599	-3.39931	0.000841	0.102285
	-0.28477	-3.39934	0.000841	0.102285
TP53RK	-0.35279	-3.39907	0.000842	0.102325
	0.44482	3.399517	0.00084	0.10227
	0.32663	3.398922	0.000842	0.102325
	-0.2489	-3.39862	0.000843	0.102325
TJP2;APBA1	-0.63787	-3.39858	0.000843	0.102325
YLPM1;MLH3	0.333602	3.398673	0.000843	0.102325
	0.234467	3.39883	0.000842	0.102325
	-0.45258	-3.39834	0.000844	0.102325
ECSCR;DNAJC18;CTNNA1;IK;PURA;SPATA24;SRA1	-0.42698	-3.39844	0.000843	0.102325

TMEM45B;ENSG00000255455;ARHGAP32	-0.60356	-3.39856	0.000843	0.102325
LINC01132;B3GALNT2;TBCE;RBM34	-0.32518	-3.39824	0.000844	0.102325
PRR15	-0.36235	-3.39836	0.000844	0.102325
	-0.31672	-3.3982	0.000844	0.102325
	0.36029	3.397664	0.000846	0.102418
	-0.37335	-3.39741	0.000846	0.102457
	0.378872	3.397602	0.000846	0.102418
PIF1	0.264009	3.397629	0.000846	0.102418
CGN;RORC;CTSK;GOLPH3L;ENSA;BNIPL;C1orf54	-0.32655	-3.39765	0.000846	0.102418
	0.280794	3.397173	0.000847	0.102485
	0.376966	3.397079	0.000847	0.102485
	0.481894	3.397099	0.000847	0.102485
	-0.36865	-3.39695	0.000848	0.102501
MYO1E;FAM81A;ENSG00000259732;LDHAL6B;CCNB2;BNIP2	-0.63097	-3.39659	0.000849	0.102541
SPSB1;RBP7	-0.47447	-3.39661	0.000849	0.102541
	-0.37114	-3.39685	0.000848	0.102506
CD200R1;BOC;ZBTB20;ENSG00000259976;SIDT1	0.519797	3.396407	0.000849	0.102576
RABGAP1L;RFWD2	-0.48666	-3.39612	0.00085	0.102644
SLC44A4;TAP2;TAP1;TNXB;HLA-DOA;ENSG00000272221;TCF19;LY6G5C	0.344847	3.395964	0.000851	0.102644
MZB1	-0.39512	-3.39601	0.00085	0.102644
C11orf83	0.319531	3.395821	0.000851	0.102666
LOH12CR1	-0.56309	-3.39501	0.000853	0.102863
	-0.44602	-3.39531	0.000852	0.102816
ENSG00000205890;CCDC64B;HN1L;ENSG00000272079;IFT140;TMEM204;PDPK1;BAIAP3	-0.26804	-3.39472	0.000854	0.102925
AGPAT6	-0.36057	-3.39505	0.000853	0.102863
	0.232544	3.394671	0.000854	0.102925
	-2.06498	-3.39444	0.000855	0.102974
NOD1;PRR15	-0.42972	-3.39432	0.000855	0.102974
DUXAP7	-0.56751	-3.39428	0.000855	0.102974
MTO1;ENSG00000229852;KCNQ5;SLC17A5;EIF3EP1;MB21D1;DDX43;RIMS1	-0.50629	-3.394	0.000856	0.103
	-0.3577	-3.39396	0.000856	0.103
	0.398808	3.394152	0.000856	0.102992
PPOX;C1orf192;UFC1;TSTD1;KLHDC9;FCGR3B;OLFML2B;FCGR2A;MPZ;USP21;VANGL2;SDHC;ATP1A2;FCGR3A;ENSG00000215840;NR1I3;HSPA6;F11R;PEA15;PCP4L1	-0.41368	-3.39342	0.000858	0.103103
	-0.29724	-3.39378	0.000857	0.103036
TRIM9;PTGDR;NID2;ENSG00000261208	-0.47843	-3.39345	0.000858	0.103103
	0.526338	3.393134	0.000859	0.103176
	0.310381	3.392806	0.00086	0.103227
ENSG00000267491	-0.25748	-3.3928	0.00086	0.103227
	-0.21011	-3.39268	0.00086	0.103227
	0.310779	3.392545	0.000861	0.103227
	0.245734	3.39238	0.000861	0.103227

CLIP1;VPS37B	-0.63658	-3.3925	0.000861	0.103227
TRPM2;ITGB2	0.37232	3.392266	0.000861	0.103227
	-0.40009	-3.39209	0.000862	0.103227
	-0.4794	-3.39211	0.000862	0.103227
	0.335677	3.392356	0.000861	0.103227
RPTOR;CBX2;LINC00482;ENSG00000262877;EIF4A3;ENDOV;SL				
C26A11;TMEM105	0.4015	3.392162	0.000862	0.103227
	0.373725	3.39179	0.000863	0.103303
	-0.33791	-3.39162	0.000863	0.103306
ECT2;NCEH1	-0.35287	-3.39157	0.000863	0.103306
PHLDB1;MPZL3;MCAM;KMT2A;HYOU1;TMEM25;AMICA1;ENS				
G00000255176;UBE4A	-0.44748	-3.39154	0.000864	0.103306
	0.248572	3.391265	0.000864	0.103373
FENDRR;FOXF1	-0.33491	-3.39096	0.000865	0.103447
SLC43A2;ENSG00000262133;NXN;YWHAE;ENSG00000262003;				
MYO1C;GEMIN4;PITPNA;HIC1;SGSM2	-0.45164	-3.39089	0.000865	0.103447
ENSG00000231980	0.445144	3.390603	0.000866	0.103462
HMBS	0.268738	3.390696	0.000866	0.103462
	-0.30623	-3.39062	0.000866	0.103462
EBF2;DPYSL2;PPP2R2A;ADRA1A	-0.51276	-3.39039	0.000867	0.103479
	-0.32829	-3.3904	0.000867	0.103479
NUAK2	0.344817	3.390018	0.000868	0.103582
	0.163753	3.389604	0.000869	0.10362
	-0.28553	-3.38977	0.000869	0.10362
	0.500861	3.389595	0.000869	0.10362
SOCS5;EPAS1;SRBD1;ENSG00000260977;CRIPT	-0.56309	-3.38922	0.00087	0.103663
	-0.51782	-3.38951	0.00087	0.10362
RNF144A	-0.35934	-3.38942	0.00087	0.10362
	0.372868	3.389443	0.00087	0.10362
	-0.26275	-3.38904	0.000871	0.10368
	0.338256	3.388862	0.000871	0.10368
	0.185727	3.388791	0.000872	0.10368
	-0.3242	-3.38876	0.000872	0.10368
	-0.3796	-3.38865	0.000872	0.103691
ARRDC4	0.418941	3.3888	0.000872	0.10368
NLRC5;GPR114;CETP	0.301074	3.388213	0.000873	0.103788
WDR45B;PCYT2;LINC00482;TBCD;LRRC45;OXLD1	-0.60041	-3.38835	0.000873	0.103767
TRAPPC9	-0.42146	-3.38773	0.000875	0.103916
	-0.25717	-3.38765	0.000875	0.103916
SMOC2	-0.46613	-3.38753	0.000875	0.103916
MACC1;ITGB8;ENSG00000243004	0.396991	3.387443	0.000876	0.103916
SCEL	-0.51202	-3.38746	0.000876	0.103916
MED9	0.238868	3.387334	0.000876	0.103926
ENSG00000271781	0.295778	3.386665	0.000878	0.104103
VDAC3;AP3M2	-0.40266	-3.38684	0.000878	0.104074
	-0.26688	-3.38659	0.000878	0.104103
HCP5;HLA-B;GPANK1	-0.4259	-3.38633	0.000879	0.104167

	0.303655	3.386227	0.000879	0.104175
	0.431069	3.385754	0.000881	0.104246
CROCC	0.344439	3.386034	0.00088	0.104215
	-0.29562	-3.38555	0.000881	0.104246
ZNF557;CAMSAP3;ADAMTS10;CTXN1;CD320;SNAPC2	-0.31495	-3.3854	0.000882	0.104246
	0.338207	3.385324	0.000882	0.104246
ODF2;TTC16;CERCAM;DNM1;ST6GALNAC6;COQ4;WDR34;C9orf117;GARNL3;ENG;AK1;PKN3;RALGPS1;TBC1D13;CIZ1;SNORA65;SH2D3C;GLE1;SLC2A8;ANGPTL2;LRRC8A;LCN2	-0.49818	-3.38535	0.000882	0.104246
C16orf71	0.247351	3.385596	0.000881	0.104246
	0.327161	3.385395	0.000882	0.104246
SYNRG;PLXDC1	0.440375	3.385067	0.000883	0.104292
	-0.50678	-3.3853	0.000882	0.104246
GPR124;TACC1;FGFR1;RAB11FIP1;ERLIN2;RPS20P22;DDHD2;ENSG00000254290	-0.36259	-3.38501	0.000883	0.104292
	-0.27263	-3.38473	0.000884	0.104304
PMEPA1;C20orf85;ATP5E	-0.30953	-3.38465	0.000884	0.104304
ADAM33;ENSG00000088899;SPEF1;CDC25B;EBF4;PANK2;HSPA12B;C20orf27;CPXM1	-0.48565	-3.38446	0.000885	0.104304
	-0.41733	-3.38458	0.000884	0.104304
KIF26A;C14orf2;INF2;EXOC3L4	-0.52897	-3.38474	0.000884	0.104304
	0.434374	3.384379	0.000885	0.104304
PRB3;PRR4;PRB4;PRB2;LRP6;PRB1	-0.3644	-3.38414	0.000886	0.104304
VWA3A	0.399961	3.383854	0.000887	0.104304
PDGFB;SUN2	0.345705	3.383928	0.000886	0.104304
TBC1D10C;ALDH3B1;PITPNM1;UNC93B1;ENSG00000255306	-0.43522	-3.38398	0.000886	0.104304
	0.425126	3.383657	0.000887	0.104304
GIMAP8;GIMAP5;GIMAP7;GIMAP6;GIMAP1;GIMAP4;NOS3	-0.28401	-3.38388	0.000886	0.104304
	0.262465	3.383734	0.000887	0.104304
	0.229482	3.383796	0.000887	0.104304
DCDC2B;TMEM234;BAI2;IQCC;ZBTB8A;TMEM39B;TRIM62;COL16A1	-0.47622	-3.38327	0.000888	0.10432
	0.401176	3.383598	0.000887	0.104304
	-0.45664	-3.38364	0.000887	0.104304
	0.184137	3.383601	0.000887	0.104304
	0.368741	3.383147	0.000889	0.10432
	-0.34109	-3.38289	0.000889	0.10432
	-0.48633	-3.38297	0.000889	0.10432
VN1R21P;TPRXL	-0.31761	-3.38275	0.00089	0.10432
MCAM;KMT2A;MPZL3;H2AFX;HMBS;PHLDB1;FXYD2	0.399047	3.383143	0.000889	0.10432
KRT80;ITGB7	0.28516	3.382867	0.00089	0.10432
	0.183719	3.382749	0.00089	0.10432
	-0.33324	-3.38268	0.00089	0.10432
WDR5B;POLQ;KPNA1;PDIA5;STXBP5L;SEMA5B	0.474324	3.382507	0.000891	0.10432

	0.569316	3.382624	0.00089	0.10432
	0.354699	3.382322	0.000891	0.104358
	0.340107	3.382552	0.00089	0.10432
	0.372908	3.38259	0.00089	0.10432
BNIP3L;SCARA5;DPYSL2;PTK2B;ADRA1A;SCARA3	-0.55263	-3.38177	0.000893	0.104497
CLMN;AK7;DICER1-AS1	-0.54492	-3.38181	0.000893	0.104497
TNIK;TMEM212;CLDN11	-0.48478	-3.38144	0.000894	0.104556
CBX8;RNF213	0.417543	3.381243	0.000894	0.104556
	0.395728	3.381182	0.000895	0.104556
	-0.40116	-3.38103	0.000895	0.10456
CD7;SECTM1;FN3K	-0.58675	-3.38116	0.000895	0.104556
PIWIL2;TNFRSF10A;LOXL2	-0.61523	-3.38071	0.000896	0.10461
PPP1R18;HLA-F;HCP5;PPP1R11;DDR1;HLA-E;PPP1R10	0.32993	3.381132	0.000895	0.104556
	-0.27333	-3.38112	0.000895	0.104556
	0.357872	3.380651	0.000896	0.10461
DUSP14;SYNRG;DHRS11	-0.4523	-3.38054	0.000897	0.104621
	0.302488	3.380401	0.000897	0.104631
IFI27	-0.64089	-3.38035	0.000897	0.104631
	0.405694	3.380779	0.000896	0.10461
	-0.22213	-3.38014	0.000898	0.104678
	-0.36527	-3.38	0.000898	0.104699
TUBB1	-0.44037	-3.37923	0.000901	0.104861
	0.289456	3.379411	0.0009	0.104824
LCN2;CERCAM;C9orf106;ENG;DNM1;PKN3	-0.50934	-3.37969	0.000899	0.104782
SOX8;ENSG00000260807;MSRB1;ABCA3	-0.20121	-3.37941	0.0009	0.104824
CCDC17;CYP4B1	0.229252	3.379033	0.000901	0.104902
	-0.42932	-3.37881	0.000902	0.104939
COL4A2;COL4A1	-0.3892	-3.37856	0.000903	0.104939
	0.399928	3.378681	0.000902	0.104939
	0.357654	3.378351	0.000903	0.104939
	0.40945	3.37843	0.000903	0.104939
	0.346561	3.378407	0.000903	0.104939
FUOM	-0.34574	-3.37826	0.000904	0.104939
	-0.48877	-3.37811	0.000904	0.104939
HLA-DMA;HLA-DOA;HLA-DMB;HLA-DPB1;TAP1;TAPSAR1;PSMB9;TAP2;HLA-DRA;HLA-DPA1	0.361114	3.37852	0.000903	0.104939
	0.300562	3.37818	0.000904	0.104939
KCNAB2	-0.25997	-3.37791	0.000905	0.104961
	0.362365	3.378052	0.000904	0.104939
	-0.34514	-3.37762	0.000906	0.105038
	-0.35911	-3.37747	0.000906	0.105053
	-0.30774	-3.37741	0.000906	0.105053
	-0.41677	-3.37693	0.000908	0.105198
	0.304458	3.376385	0.000909	0.105365
	0.338713	3.375912	0.000911	0.105437
DNAI2	0.310927	3.375855	0.000911	0.105437
	-0.28062	-3.37577	0.000911	0.105437

	0.282584	3.375639	0.000912	0.105437
MAP3K13;POLR2H;CHRD;ABCC5	-0.37564	-3.37578	0.000911	0.105437
	-0.20649	-3.37563	0.000912	0.105437
PPP1R18;HLA-E	-0.45037	-3.37531	0.000913	0.105457
	-0.32603	-3.37515	0.000913	0.105464
	0.355345	3.375898	0.000911	0.105437
RUVBL1;ENSG00000187695;KIAA1257;ENSG00000244300;RPN1;COPG1	-0.3144	-3.37525	0.000913	0.105457
	0.398286	3.37544	0.000912	0.105457
	-0.31218	-3.37526	0.000913	0.105457
CCDC78;NHLRC4;BAIAP3;HAGHL;RHBDF1;ENSG00000261659;METRN;SOX8;SNRNP25;UBE2I;WDR90;ENSG00000196674;NME4;PIGQ;RGS11;UNKL;CAPN15;POLR3K;CHTF18;HBA2;RPUSD1;HBA1;ENSG00000260807;CACNA1H;WDR24	-0.48289	-3.37474	0.000914	0.105557
TBC1D10C;ALDH3B1;UNC93B1;PITPNM1	0.45835	3.375002	0.000914	0.10549
PTGIS;SLC9A8	-0.41986	-3.3744	0.000916	0.105648
GIMAP1;GIMAP5;RARRES2;GIMAP6;ZNF398	-0.55888	-3.37414	0.000916	0.105675
AMT;RHOA;MON1A	-0.25987	-3.37407	0.000917	0.105675
	0.286394	3.374012	0.000917	0.105675
GPR124;TACC1;FGFR1;RAB11FIP1;PPAPDC1B;DDHD2;PLEKHA2;ERLIN2	0.403088	3.373837	0.000917	0.105681
	-0.27424	-3.37388	0.000917	0.105681
	0.428013	3.373624	0.000918	0.105704
	0.3344	3.373616	0.000918	0.105704
CD160;ANKRD35;ENSG00000225241	-0.44803	-3.37406	0.000917	0.105675
UHRF1BP1	-0.36661	-3.37341	0.000919	0.105751
PPP1R18;DDR1;GABBR1;NRM;DHX16	0.435885	3.372725	0.000921	0.105908
TBCC;RRP36	-0.26997	-3.3725	0.000921	0.105908
	0.30316	3.372569	0.000921	0.105908
SLC2A9;ENSG00000242034;ENSG00000249799	-0.51255	-3.37263	0.000921	0.105908
ROBO4;FEZ1;PKNOX2;TMEM218;SLC37A2;ST3GAL4	-0.62505	-3.37267	0.000921	0.105908
	-0.65371	-3.37262	0.000921	0.105908
	0.378664	3.37234	0.000922	0.105935
	0.234215	3.372067	0.000923	0.105977
	-0.15097	-3.37218	0.000922	0.105964
WDR35;PUM2;OSR1;HS1BP3	-0.5113	-3.37183	0.000924	0.106034
	0.272061	3.371711	0.000924	0.106048
	0.299565	3.371525	0.000925	0.106087
	-0.24895	-3.37118	0.000926	0.106125
AK8;C9orf171;C9orf9;GBGT1;MED22;ENSG00000224992;DDX31;SURF2;SURF6	-0.41706	-3.3708	0.000927	0.106125
CATSPERB;TC2N;ENSG00000260711;ENSG00000268657	0.221093	3.370964	0.000926	0.106125
	0.440737	3.370797	0.000927	0.106125
	0.338531	3.371065	0.000926	0.106125
	-0.2666	-3.37084	0.000927	0.106125
TMEM66;PPP2CB;LEPROTL1;WRN;PURG	-0.34278	-3.37083	0.000927	0.106125

KMT2E	0.412622	3.370754	0.000927	0.106125
	-0.42799	-3.37071	0.000927	0.106125
	-0.32409	-3.3703	0.000928	0.106233
ENSG00000242104	0.359447	3.370161	0.000929	0.106238
	0.32809	3.369989	0.000929	0.106249
ZMIZ1;PPIF	0.268513	3.370254	0.000929	0.106233
	-0.39473	-3.3699	0.00093	0.106249
	0.305812	3.369547	0.000931	0.106289
ACAP1	-0.35835	-3.36996	0.000929	0.106249
	-0.36479	-3.36928	0.000932	0.106358
	-0.29751	-3.36961	0.000931	0.106289
	0.288625	3.369055	0.000932	0.10641
	-0.40021	-3.36955	0.000931	0.106289
SLC25A39;ARL4D	0.219923	3.368768	0.000933	0.106438
SALL2;ANG;TTC5;ZNF219	0.596669	3.368893	0.000933	0.106438
LRRC27	-0.47751	-3.36858	0.000934	0.106438
	-0.49341	-3.36862	0.000934	0.106438
TIMP2;TMC8;CANT1;CYTH1;C1QTNF1;CBX2	0.285665	3.368585	0.000934	0.106438
	-0.3788	-3.3685	0.000934	0.106442
	-0.54293	-3.36827	0.000935	0.106468
	-0.41068	-3.36814	0.000935	0.106487
	-0.42047	-3.36828	0.000935	0.106468
	-0.59918	-3.36773	0.000937	0.106499
	0.296476	3.367542	0.000937	0.106499
CTHRC1;ENSG00000266289	0.329416	3.368004	0.000936	0.106499
	0.318709	3.367698	0.000937	0.106499
	-0.41286	-3.36773	0.000937	0.106499
	0.480043	3.36761	0.000937	0.106499
SMOC2;THBS2	-0.55694	-3.36687	0.000939	0.106606
IYD	-0.37361	-3.3674	0.000938	0.106499
	0.327633	3.367446	0.000937	0.106499
PACRG;ENSG00000225683;ENSG00000217557	-0.49938	-3.36744	0.000937	0.106499
	0.375366	3.367167	0.000938	0.106548
RUNX3;GRHL3;CLIC4;ID3	0.649501	3.367108	0.000939	0.106548
	0.298031	3.366229	0.000941	0.10681
CLEC1A;A2M;PZP;MFAP5;FAM66C;FAM90A1;CLEC2B;ENSG000				
00260423;ENSG00000256937	-0.58241	-3.36543	0.000944	0.10696
	-0.55308	-3.36575	0.000943	0.106927
	-0.32616	-3.36576	0.000943	0.106927
	-0.27643	-3.36529	0.000944	0.106966
	-0.48935	-3.3655	0.000944	0.106959
	0.290657	3.365117	0.000945	0.106987
SMIM20;CCDC149;SLC34A2	-0.3526	-3.36525	0.000944	0.106966
PLIN3;C19orf10	0.292395	3.365596	0.000943	0.106955
PLA2G4C;TEAD2;RCN3;FAM83E;CCDC114;EMP3;CARD8;EHD2;				
RUVBL2	0.312055	3.36503	0.000945	0.10699
TVP23B;MPRIP;TRIM16L;COPS3	-0.42567	-3.36475	0.000946	0.107034

CDK20;GAS1	0.382539	3.364676	0.000946	0.107034
	-0.34616	-3.36485	0.000946	0.107027
C10orf128;VSTM4	0.300531	3.364157	0.000948	0.107138
	-0.31273	-3.36443	0.000947	0.107095
	0.252503	3.36419	0.000948	0.107138
KIAA1211L;TSGA10;VWA3B;TMEM131;ENSG00000231822;ENS				
G00000273045;ATP5BP1;ENSG00000222000;CNGA3	-0.39172	-3.36375	0.000949	0.107231
FXYD3;WTIP;CLIP3;COX6B1;CAPNS1;COX7A1;ZFP82;PSENEN;SC				
N1B;ZNF792;LGI4;ZNF566;GRAMD1A;ZBTB32	-0.323	-3.36401	0.000948	0.107164
	-0.30348	-3.36358	0.00095	0.107233
	0.251238	3.363659	0.00095	0.107233
CCDC138;NPHP1;ENSG00000227470	0.396391	3.363285	0.000951	0.107285
	0.651499	3.363169	0.000951	0.107299
MSH4	0.548836	3.363416	0.00095	0.107266
	0.407475	3.362556	0.000953	0.107324
	0.354625	3.362898	0.000952	0.107324
	0.39662	3.362299	0.000954	0.107333
RCOR3	0.426242	3.362562	0.000953	0.107324
	-0.42651	-3.36259	0.000953	0.107324
	0.400317	3.362804	0.000952	0.107324
LRG1;PTPRS;FUT3;RFX2;TNFAIP8L1;FUT6;HSD11B1L;SEMA6B;P				
LIN3	0.305603	3.362384	0.000954	0.10733
SCARNA6	-0.45439	-3.36279	0.000952	0.107324
HLA-DOA;HLA-DPA1;HLA-DPB1;UQCC2;ZBTB9	-0.37221	-3.36265	0.000953	0.107324
	0.409999	3.362471	0.000953	0.107327
	0.28589	3.361802	0.000956	0.107373
ENSG00000260977	-0.46331	-3.36204	0.000955	0.107343
	-0.61407	-3.36204	0.000955	0.107343
	-0.29467	-3.36205	0.000955	0.107343
TBKBP1;NPEPPS;NSF;SKAP1	-0.39583	-3.36195	0.000955	0.107347
	0.3111	3.36166	0.000956	0.107397
	0.288842	3.361399	0.000957	0.107437
	0.249334	3.361395	0.000957	0.107437
	0.481423	3.36105	0.000958	0.107502
	-0.38529	-3.36091	0.000958	0.107502
	0.306191	3.360952	0.000958	0.107502
ENSG00000232386	-0.35185	-3.36047	0.00096	0.107604
TMEM14B;TMEM14C	-0.45211	-3.36023	0.000961	0.107661
CLSTN3	-0.46618	-3.36096	0.000958	0.107502
TSPAN4	-0.29057	-3.36077	0.000959	0.107524
	-0.53502	-3.36016	0.000961	0.107661
ZBTB20	0.397568	3.359542	0.000963	0.107823
	0.361903	3.35932	0.000964	0.107856
	0.410224	3.359487	0.000963	0.107823
BRCA1	-0.34342	-3.35955	0.000963	0.107823
	-0.26964	-3.35894	0.000965	0.107939

ENSG00000272005;TDRP	0.308631	3.359039	0.000965	0.107931
SMIM5;SMIM6;FDXR;SLC16A5;TTYH2;ICT1;RAB37;SAP30BP;DN				
AI2;KIF19;CASKIN2;MRPS7	-0.42358	-3.35873	0.000966	0.107952
CLDN5;MRPL40	-0.35804	-3.35845	0.000967	0.108004
	0.298434	3.358767	0.000965	0.107952
BCKDK	0.45825	3.358673	0.000966	0.107952
	0.44345	3.357871	0.000968	0.108048
	0.21339	3.358182	0.000967	0.108025
SUGCT	-0.46581	-3.35771	0.000969	0.108076
	-0.23161	-3.35799	0.000968	0.108034
KHNYN;NFATC4;NOP9	0.369209	3.358308	0.000967	0.108025
	-0.31428	-3.35807	0.000968	0.10803
ENSG00000261269	0.501591	3.358163	0.000967	0.108025
ZNF204P;HCG11;ZNF391;BTN3A3;LINC00240	-0.56093	-3.35764	0.000969	0.108076
TSSC1	-0.63535	-3.35707	0.000971	0.108149
GPN1;WDR43	-0.44559	-3.35699	0.000971	0.108149
CASP8;CFLAR;ALS2CR12;ALS2;CASP10;AOX1;PPIL3;NIF3L1;NDU				
FB3;STRADB;SGOL2	-0.30769	-3.35691	0.000972	0.108149
	0.313856	3.356693	0.000972	0.108149
	-0.33964	-3.3572	0.000971	0.108149
CAPN5	-0.33908	-3.35644	0.000973	0.108149
RHOU;ABCB10;OBSCN;WNT3A;IBA57;GJC2;C1orf145;HIST3H2B				
B;RAB4A;ENSG00000270110;CICP26;ENSG00000269890	-0.34254	-3.35651	0.000973	0.108149
DLG2	0.425748	3.356881	0.000972	0.108149
	0.317137	3.356787	0.000972	0.108149
ZNF876P;ZNF721;ZNF732;ZNF141	0.48811	3.35684	0.000972	0.108149
	-0.22624	-3.35632	0.000974	0.108149
	-0.43105	-3.3566	0.000973	0.108149
	-0.35947	-3.35626	0.000974	0.108149
	-0.41759	-3.35644	0.000973	0.108149
HCG11;HIST1H2BH;HIST1H3E;HIST1H2BF;HIST1H3F;ENSG00000				
272462;HIST1H3G;HIST1H2BD;HIST1H2AG;HIST1H2BJ	-0.68295	-3.35621	0.000974	0.108149
	-0.2689	-3.35644	0.000973	0.108149
HIF3A;EHD2;PLA2G4C;DACT3;MEIS3;SEPW1	-0.38335	-3.356	0.000975	0.108199
	0.272428	3.355614	0.000976	0.108255
TBX3;TBX5;TBX5-AS1	-0.24071	-3.35545	0.000976	0.108255
CBX2;C1QTNF1;CCDC40;SLC26A11	-0.36062	-3.35535	0.000977	0.108255
TULP3;CACNA1C-				
AS4;CACNA1C;PRMT8;FKBP4;ITFG2;NRIP2;CACNA1C-IT3	-0.41122	-3.35562	0.000976	0.108255
ZNF487;RASGEF1A;ENSG00000236114;ZNF239;ZNF33B;CSGAL				
NACT2;HNRNPF	-0.2431	-3.35546	0.000976	0.108255
	0.337211	3.355226	0.000977	0.108258
C1orf226;FCGR3A;NUF2;FCGR2C;DDR2	-0.72831	-3.35508	0.000978	0.108283
CGNL1	-0.4282	-3.3554	0.000977	0.108255

	-0.45353	-3.35531	0.000977	0.108255
ENSG00000184566;KIAA1549L	0.29301	3.354256	0.00098	0.108449
	0.314918	3.354621	0.000979	0.108396
	0.492302	3.354873	0.000978	0.108332
	0.380107	3.354337	0.00098	0.108449
ATF7;COPZ1;ZNF385A	0.283773	3.354	0.000981	0.108484
	-0.64301	-3.35419	0.000981	0.108449
	-0.39645	-3.35417	0.000981	0.108449
	-0.22435	-3.35386	0.000982	0.108506
S1PR4;PCSK4;ZNF57	0.361214	3.353549	0.000983	0.108538
	0.470958	3.353552	0.000983	0.108538
	-0.28266	-3.35371	0.000982	0.108534
	0.229958	3.353024	0.000984	0.108626
PECR;ENSG00000232485;LINC00607;IGFBP2;IGFBP5;ENSG000				
00236295;MARCH4	-0.41464	-3.35296	0.000985	0.108626
	-0.2821	-3.35301	0.000984	0.108626
	0.37807	3.35274	0.000985	0.108626
ARHGEF15;NLGN2;MYH10;CYB5D1;MPDU1;TNFSF12;WRAP53;				
ATP1B2;CTC1;PIK3R6;VAMP2;EFNB3;TMEM107;CHD3	-0.52844	-3.35297	0.000985	0.108626
	0.217425	3.352728	0.000985	0.108626
	0.290368	3.3524	0.000987	0.10868
MRPL14;SLC29A1;SLC35B2;MAD2L1BP;RPL7L1	-0.38962	-3.35275	0.000985	0.108626
	0.334412	3.352271	0.000987	0.1087
	-0.52459	-3.3526	0.000986	0.108635
	0.333027	3.352699	0.000986	0.108626
RNF166;CBFA2T3;ENSG00000261226;PIEZO1;ENSG000002598				
81	0.431738	3.351795	0.000989	0.108778
	0.292841	3.351809	0.000989	0.108778
MPZL3;KMT2A	0.254663	3.351896	0.000988	0.108778
	0.286078	3.351498	0.00099	0.108844
RINT1;EFCAB10;NAMPT;CDHR3;SRPK2	-0.32699	-3.35123	0.00099	0.108916
TBC1D10C	-0.31525	-3.35175	0.000989	0.108778
	-0.29349	-3.35105	0.000991	0.108954
	-0.335	-3.35072	0.000992	0.109045
	-0.38392	-3.3506	0.000993	0.109063
	0.276767	3.3502	0.000994	0.109155
GRM7-AS1	-0.41501	-3.34993	0.000995	0.1092
LRRC59;MRPL27;COL1A1;EPN3;SLC35B1;UBE2Z;LUC7L3;NXPH3	0.374979	3.350046	0.000994	0.109184
PIK3C2B;NUAK2	-0.41226	-3.35021	0.000994	0.109155
	0.295277	3.349731	0.000996	0.109216
	-0.69552	-3.3498	0.000995	0.109216
	0.278077	3.349391	0.000997	0.109258

RRAD;TSNAXIP1;ZDHHC1;CES4A;TPPP3;LRRC36;ENKD1;GFOD2;				
RANBP10;CMTM4;PLEKHG4;CDH5;ATP6V0D1;ENSG000002034				
01;E2F4;EXOC3L1;FAM96B;SLC9A5;KIAA0895L	-0.61946	-3.34914	0.000998	0.109295
	0.226114	3.349539	0.000996	0.109253
ENSG00000270504	-0.37517	-3.34948	0.000996	0.109253
	0.387925	3.348787	0.000999	0.109341
CPSF6	-0.37006	-3.34923	0.000997	0.109289
	0.417496	3.348908	0.000998	0.109339
PSMG3	0.30503	3.348636	0.000999	0.109369
	0.402938	3.348444	0.001	0.109412
	0.427471	3.348268	0.001	0.10945
ADCY10P1	0.965264	3.34887	0.000998	0.109339
C3orf67;ABHD6;ACOX2;DENND6A;FAM3D;IL17RD;ENSG000002				
42428;DNAH12;RNU6-1181P;FLNB	0.285356	3.347941	0.001002	0.109543
STMND1;GMPR	-0.50398	-3.3476	0.001003	0.109642
FANK1;ADAM12;LHPP;FANK1-AS1	-0.28587	-3.34751	0.001003	0.109648
	-0.24268	-3.34673	0.001006	0.109748
	0.280823	3.347281	0.001004	0.109703
	0.33213	3.346766	0.001006	0.109748
	0.400087	3.347201	0.001004	0.109705
	0.365895	3.346746	0.001006	0.109748
	0.345065	3.346615	0.001006	0.109748
	0.353001	3.346591	0.001006	0.109748
IL5RA	-0.37879	-3.34656	0.001006	0.109748
PIGR	-0.36973	-3.34615	0.001008	0.109748
TFF3;PDE9A	0.212054	3.346475	0.001007	0.109748
MEG3;ENSG00000271417;ENSG00000225746;MEG8	-0.34972	-3.3461	0.001008	0.109748
TTC28;PITPNB;UQCR10;TTC28-AS1	-0.51376	-3.34615	0.001008	0.109748
	-0.38942	-3.34624	0.001007	0.109748
	-0.40856	-3.34618	0.001008	0.109748
	0.408897	3.345939	0.001008	0.109759
C16orf93;PHKG2;ZNF688;MVP;SEPT1;SEZ6L2;ENSG000002616				
90;DOC2A;QPRT;C16orf54;PRSS53	-0.33939	-3.34652	0.001006	0.109748
	-0.19027	-3.34593	0.001008	0.109759
WDR45B;PCYT2;LRRC45;MAFG-				
AS1;METRNL;ENSG00000261888;CCDC57;NOTUM	-0.35724	-3.34526	0.001011	0.109957
	-0.2292	-3.34507	0.001011	0.109957
LST1	0.297289	3.345053	0.001011	0.109957
THUMPD3	-0.27973	-3.34499	0.001012	0.109957
SMAD9;DCLK1	-0.47881	-3.34466	0.001013	0.109978
ABCA3;CREBBP;PKD1;ENSG00000262370;PDPK1;SRRM2;ZNF20				
0	0.244542	3.344275	0.001014	0.110009
	0.3236	3.344776	0.001012	0.109962
	0.276128	3.344941	0.001012	0.109957
PHLPP1;BCL2;SERPINB2;ENSG00000267701	-0.45458	-3.34443	0.001014	0.109979
	0.3746	3.344785	0.001012	0.109962

PPIAP29	0.410531	3.345003	0.001012	0.109957
	0.34635	3.344482	0.001013	0.109979
SCARF1;INPP5K;YWHAE;SMG6;HIC1;MYO1C;GEMIN4;PITPNA	-0.25677	-3.34447	0.001013	0.109979
	0.364417	3.343889	0.001015	0.11007
	-0.31295	-3.3438	0.001016	0.11007
	0.325487	3.343871	0.001015	0.11007
	0.455161	3.343982	0.001015	0.11007
LCK	0.470016	3.343164	0.001018	0.11007
	0.3375	3.343112	0.001018	0.11007
	0.222307	3.343503	0.001017	0.11007
CTTN	-0.31463	-3.3432	0.001018	0.11007
VASH1;SAMD15;AHSA1;CIPC;SPTLC2;ANGEL1;NOXRED1;POMT2;ENSG00000246548;ZMYND19P1;TMED8	-0.34298	-3.34313	0.001018	0.11007
	0.44278	3.343135	0.001018	0.11007
	-0.30353	-3.34311	0.001018	0.11007
	-0.22512	-3.34313	0.001018	0.11007
CAPN2	-0.45986	-3.34291	0.001019	0.11007
TET1;COL13A1;TSPAN15;ENSG00000260400	-0.437	-3.34261	0.00102	0.11007
FOXC1;FOXF2	0.307453	3.3427	0.001019	0.11007
	0.284822	3.342761	0.001019	0.11007
LSM2	0.247059	3.342358	0.001021	0.11007
PEX2	0.353529	3.342779	0.001019	0.11007
	0.299369	3.342768	0.001019	0.11007
KIAA1211L;TSGA10;VWA3B;LINC01125;ENSG00000222000;CNGA3;TMEM131;ATP5BP1	-0.4579	-3.34197	0.001022	0.11008
TMEM254;ZCCHC24;ZMIZ1	-0.38493	-3.34237	0.001021	0.11007
MCC	0.295756	3.341914	0.001022	0.11008
	0.40237	3.342314	0.001021	0.11007
	0.383212	3.342432	0.00102	0.11007
CARS;TSSC2;IGF2;NAP1L4;OSBPL5	-0.46322	-3.34252	0.00102	0.11007
	-0.36511	-3.34232	0.001021	0.11007
WDR55;SRA1	-0.44492	-3.34202	0.001022	0.11008
FAM110C	-0.29974	-3.342	0.001022	0.11008
	0.314303	3.341426	0.001024	0.110099
	0.355468	3.341485	0.001024	0.110099
	0.290602	3.341452	0.001024	0.110099
PLCH1;PLCH1-AS1;TIPARP;RPL6P7	-0.38172	-3.34122	0.001025	0.110099
TTYH2;COG1	-0.3948	-3.34167	0.001023	0.110099
	0.369844	3.342004	0.001022	0.11008
DLG5-AS1	-0.48632	-3.34119	0.001025	0.110099
	-0.82523	-3.34163	0.001023	0.110099
B9D1;TRIM16L;FBXW10;SLC47A1;ULK2;MFAP4;TVP23B;AKAP10;ALDH3A1;ALDH3A2;MAPK7;KRT16P3;ENSG00000264932;SLC47A2;ENSG00000229586	-0.4307	-3.34134	0.001024	0.110099
	0.306602	3.341211	0.001025	0.110099
	0.201899	3.341069	0.001025	0.110117

ENSG00000196674;NME4	-0.32911	-3.34033	0.001028	0.110311
SUGCT	-0.44984	-3.34001	0.001029	0.110346
	-0.31713	-3.34064	0.001027	0.110249
	-0.35569	-3.34055	0.001027	0.110254
MAX	-0.38902	-3.33992	0.001029	0.110351
	0.371847	3.340248	0.001028	0.110312
ADORA2A-AS1;DERL3	0.346235	3.340008	0.001029	0.110346
	0.425029	3.339702	0.00103	0.110405
	-0.3701	-3.33948	0.001031	0.110433
	-0.22666	-3.33932	0.001031	0.110466
ARHGEF26-AS1;ARHGEF26	-0.39599	-3.33915	0.001032	0.110499
	0.336894	3.339536	0.00103	0.110433
	-0.49428	-3.33856	0.001034	0.110626
NDST1;SPARC;SLC36A1;SYNPO;MYOZ3;CCDC69;ENSG0000024				
9035	-0.48341	-3.33852	0.001034	0.110626
SLC5A1	-0.47994	-3.33844	0.001034	0.110626
SFMBT2	0.353528	3.338487	0.001034	0.110626
	0.341975	3.338481	0.001034	0.110626
	-0.53863	-3.33811	0.001035	0.110722
ENSG00000272221;MDC1	0.494914	3.33766	0.001037	0.110827
	0.376053	3.337081	0.001039	0.110875
	0.370522	3.337607	0.001037	0.110827
GPR161;MPC2;NME7;DCAF6;CCDC181;DPT;SELP;TBX19;F5;SEL				
E;ATP1B1;SLC19A2	-0.56394	-3.33687	0.00104	0.110883
	-0.4224	-3.33793	0.001036	0.110762
	-0.28683	-3.33734	0.001038	0.110875
FAM149A;SORBS2	-0.46555	-3.33696	0.001039	0.110875
C10orf128;VSTM4;WDFY4	-0.46667	-3.33727	0.001038	0.110875
ELMO1;KIAA0895	-0.49861	-3.337	0.001039	0.110875
HSPB11;GLIS1;LDLRAD1;TCEANC2;TMEM59;TTC22;DIO1;ENSG				
00000237611;ENSG00000197015	0.357045	3.336343	0.001042	0.110941
FOXF2;ENSG00000218027;GMDS	-0.46359	-3.33699	0.001039	0.110875
CERS4;ADAMTS10;PEX11G;ELAVL1;CTXN1;KANK3	-0.45449	-3.3364	0.001041	0.110941
	0.300624	3.337059	0.001039	0.110875
ENSG00000246250	-0.46985	-3.33639	0.001041	0.110941
	0.437819	3.336455	0.001041	0.110941
	0.138041	3.336269	0.001042	0.110941
	-0.41902	-3.33634	0.001042	0.110941
	0.204868	3.335603	0.001044	0.111135
	-0.32195	-3.33546	0.001045	0.111151
	0.418435	3.335615	0.001044	0.111135
	-0.55443	-3.33534	0.001045	0.111151
	0.278307	3.335246	0.001045	0.111158
	0.255849	3.335378	0.001045	0.111151
	0.389624	3.334541	0.001048	0.111293
PCDH12;PCDHB3	0.215132	3.334697	0.001047	0.111281
WEE1	-0.62223	-3.3347	0.001047	0.111281

CALML4;IQCH;ITGA11	-0.29587	-3.33476	0.001047	0.111281
	-0.33063	-3.33452	0.001048	0.111293
	-0.35672	-3.33426	0.001049	0.111361
	-0.36939	-3.33403	0.00105	0.11142
GPRC5C	-0.45575	-3.33347	0.001052	0.111606
	0.255936	3.332966	0.001054	0.111766
PLEKHA7	0.386031	3.332597	0.001055	0.111878
TMEM255B;GAS6;TFDP1;TMCO3	-0.49664	-3.33236	0.001056	0.111888
ZNF354C;ADAMTS2	-0.32124	-3.33235	0.001056	0.111888
EDEM2	-0.422	-3.33172	0.001058	0.111976
ATP13A5	-0.51562	-3.33245	0.001055	0.111888
	0.41003	3.331661	0.001058	0.111976
	0.256785	3.332103	0.001057	0.111953
	0.231536	3.331869	0.001057	0.111976
	0.463439	3.331679	0.001058	0.111976
ODF2L;CLCA4	-0.43704	-3.33199	0.001057	0.111968
ERBB3;ITGA7;TESPA1;MMP19;MUCL1;PTGES3;WIBG;RBMS2;G				
DF11;SMARCC2	-0.21367	-3.3316	0.001058	0.111976
LINC01091;ANKRD50;FAT4	-0.48485	-3.33092	0.001061	0.112151
CACHD1	0.377648	3.331475	0.001059	0.111976
	0.357127	3.331456	0.001059	0.111976
	-0.90356	-3.33061	0.001062	0.112185
DOK1;LOXL3;ALMS1;FBXO41	0.49248	3.330846	0.001061	0.112151
	-0.30475	-3.32999	0.001064	0.112268
PI16;PPIL1	-0.39878	-3.33063	0.001062	0.112185
	-0.28301	-3.32995	0.001064	0.112268
NCKAP5	-0.38118	-3.32957	0.001066	0.112348
LRCH1	-0.39988	-3.33022	0.001063	0.112268
	-0.29865	-3.33003	0.001064	0.112268
	-0.31608	-3.3302	0.001063	0.112268
ANTXR1	0.287441	3.329412	0.001066	0.112348
ENSG00000239521;PCOLCE;NYAP1;AP1S1;STAG3	-0.56507	-3.32971	0.001065	0.112329
	0.215621	3.329373	0.001066	0.112348
	-0.35005	-3.3291	0.001067	0.112357
	-0.55966	-3.32995	0.001064	0.112268
	0.389236	3.329393	0.001066	0.112348
PTCD3	-0.28307	-3.32876	0.001069	0.11236
SPARC;ANXA6;ENSG00000249035;ENSG00000213433	0.322683	3.329184	0.001067	0.112357
	0.353618	3.328756	0.001069	0.11236
	0.181882	3.328761	0.001069	0.11236
	0.482161	3.329166	0.001067	0.112357
	0.373417	3.328919	0.001068	0.11236
	0.454855	3.329055	0.001068	0.112357
	0.339908	3.328235	0.00107	0.112484
TIFAB;PCBD2	0.398535	3.32864	0.001069	0.112376
	0.316858	3.328106	0.001071	0.112496
RAD23B	0.358134	3.327846	0.001072	0.112536

	-0.38356	-3.32771	0.001072	0.112536
KIAA0125;IGHG4;IGHG1;IGHJ3P;ADSSL1;IGHG3;IGHA1;IGHG2;IGHV4-34;IGHV1-2;IGHV3-15;IGHV3-7;IGHA2;CRIP2;C14orf79;CRIP1;IGHV3-21;IGHM;TMEM121	0.476402	3.32821	0.001071	0.112484
C16orf91;TRAF7;ENSG00000260807	-0.36936	-3.32733	0.001074	0.112623
	0.364613	3.327635	0.001073	0.112536
SPECC1	0.272069	3.327868	0.001072	0.112536
ENSG00000220660	-0.27971	-3.32726	0.001074	0.112623
MFN2	-0.74586	-3.32763	0.001073	0.112536
	-0.33182	-3.32695	0.001075	0.112706
LAMP1;TFDP1	0.437646	3.326825	0.001076	0.112706
	0.382359	3.326822	0.001076	0.112706
	-0.43385	-3.32672	0.001076	0.112716
	-0.38229	-3.32656	0.001077	0.11275
PIK3C2B;CNTN2;FMOD;MDM4;PLEKHA6;LAX1	-0.32013	-3.32624	0.001078	0.112846
PKP3;MUC5AC;TALDO1	-0.29825	-3.32612	0.001078	0.112862
B3GNT3;UPF1;GDF15;LSM4;KLHL26	-0.47548	-3.3258	0.001079	0.112955
	0.316221	3.325143	0.001082	0.113068
CTSW;BATF2;SIPA1	0.305664	3.325365	0.001081	0.113032
	-0.63686	-3.32555	0.00108	0.112998
	-0.33569	-3.32554	0.00108	0.112998
	0.316137	3.325309	0.001081	0.113032
	-0.31338	-3.32476	0.001083	0.113112
STYXL1;ENSG00000227038	0.335665	3.325003	0.001082	0.113094
	-0.40643	-3.32476	0.001083	0.113112
	-0.36296	-3.32474	0.001083	0.113112
ENSG00000228140;KAZN;FHAD1;PRDM2	-0.35708	-3.32463	0.001084	0.113124
	0.41342	3.323876	0.001086	0.113302
	-0.30519	-3.32428	0.001085	0.113203
VANGL1;MAN1A2;ATP1A1	-0.45145	-3.32375	0.001087	0.113311
	0.330313	3.324398	0.001084	0.113186
ENSG00000261291	0.379901	3.323489	0.001088	0.113311
RUNDC1;PTRF;FKBP10;ATP6V0A1;CNTNAP1;TTC25;MEOX1;BECN1;AOC3;COASY;TUBG2;CNTD1;PLEKHH3;ACLY;VPS25;KAT2A;MLX;RAMP2;COA3;ENSG00000267002	-0.31196	-3.32344	0.001088	0.113311
	-0.35624	-3.32303	0.001089	0.113376
	0.217409	3.323418	0.001088	0.113311
COL4A1;COL4A2	-0.39479	-3.32388	0.001086	0.113302
	-0.39734	-3.32363	0.001087	0.113311
	-0.39479	-3.32316	0.001089	0.113376
	-0.3385	-3.32356	0.001087	0.113311
	0.22687	3.322786	0.00109	0.113441
DGKE;MSI2;C17orf67;MKS1	-0.39044	-3.32237	0.001092	0.113543
	-0.27969	-3.32307	0.001089	0.113376
RFX2;HSD11B1L;PTPRS;CAPS;CRB3;MLLT1;ENSG00000267262	-0.35769	-3.32262	0.001091	0.113478

	0.346173	3.322254	0.001092	0.113562
SEMA3G;GNL3;POC1A	-0.3423	-3.32186	0.001094	0.113656
	-0.57347	-3.32194	0.001093	0.113656
CD300A;RAB37;DNAI2;KIF19;CD300LF;CASKIN2;SMIM6;SMIM5				
;USH1G;FDXR	-0.30324	-3.32135	0.001096	0.113796
NSFL1C	-0.32856	-3.32147	0.001095	0.113778
	-0.39236	-3.32122	0.001096	0.113819
	-0.5199	-3.32088	0.001097	0.113923
LINC00338;SEC14L1	-0.33283	-3.31993	0.001101	0.113981
	0.419825	3.320303	0.001099	0.113981
	0.568133	3.319574	0.001102	0.113981
HSH2D;NOTCH3	-0.24682	-3.31998	0.001101	0.113981
RNU1-4	0.214828	3.31996	0.001101	0.113981
PTGDS;LCNL1	-0.34608	-3.32039	0.001099	0.113981
	-0.35587	-3.32026	0.0011	0.113981
	-0.5113	-3.32056	0.001098	0.113981
	0.447095	3.320257	0.0011	0.113981
INPP4A;ACTR1B;KIAA1211L	0.270654	3.320122	0.0011	0.113981
CTTN	-0.58098	-3.3194	0.001103	0.113981
	-0.26831	-3.31941	0.001103	0.113981
	-0.41053	-3.31977	0.001101	0.113981
	0.284557	3.320153	0.0011	0.113981
	-0.30217	-3.31921	0.001103	0.114008
	0.415622	3.319136	0.001104	0.114008
TNXB;NOTCH4;SLC44A4;NELFE;C6orf10;PRRC2A;PSMB8	0.342556	3.319625	0.001102	0.113981
	-0.42681	-3.31996	0.001101	0.113981
SLC39A7;NOTCH4;PFDN6	-0.23555	-3.31942	0.001103	0.113981
DPCD;KCNIP2;NFKB2;ARL3;MGEA5;FBXW4;C10orf32;LDB1	-0.40333	-3.31968	0.001102	0.113981
FAM114A1;TLR1;KLHL5	-0.42782	-3.31893	0.001105	0.114008
TPT1	0.377487	3.318855	0.001105	0.114008
ZCRB1	0.323605	3.319356	0.001103	0.113981
	-0.26976	-3.31906	0.001104	0.114008
	-0.45179	-3.31889	0.001105	0.114008
DNAJB13;POLD3;PLEKHB1;ENSG00000255847;PPME1	-0.37807	-3.31877	0.001105	0.114013
	0.295547	3.3186	0.001106	0.11405
	0.298263	3.318517	0.001106	0.114055
ENSG00000259563;TP53BP1;EPB42;SPG11;CASC4;MAP1A	-0.215	-3.31826	0.001107	0.114125
	0.325446	3.31756	0.00111	0.114284
	-0.33555	-3.31793	0.001108	0.114224
	-0.32955	-3.31729	0.001111	0.114334
	-0.28204	-3.31707	0.001111	0.114363
	-0.30228	-3.31766	0.001109	0.114273
	0.291604	3.317812	0.001109	0.114243
	-0.33142	-3.31673	0.001113	0.114409
	0.362851	3.317308	0.001111	0.114334

FCHO1;JAK3;IL12RB1	0.378453	3.317183	0.001111	0.114347
	-0.23842	-3.31653	0.001113	0.114409
	-0.31151	-3.31685	0.001112	0.114409
	0.210381	3.316805	0.001112	0.114409
ERI2;DNAH3;RRN3P1	-0.53016	-3.31636	0.001114	0.114409
DNM3	-0.34022	-3.31663	0.001113	0.114409
ALDH3B1;UNC93B1;ENSG00000255306;MRGPRF;ENSG00000251637;PITPNM1;ENSG00000254610;CHKA;TPCN2;FAM86C2P;RAD9A	-0.49188	-3.31566	0.001117	0.114575
PLA2G4C;TEAD2;HRC;EHD2;GYS1	-0.2553	-3.31623	0.001115	0.114409
	0.313045	3.316516	0.001114	0.114409
KIAA0825;ENSG00000270133;ENSG00000225165	0.277138	3.316305	0.001114	0.114409
OTUD7A	-0.79806	-3.31633	0.001114	0.114409
	0.340705	3.315813	0.001116	0.114543
	-0.49168	-3.31514	0.001119	0.114684
BAIAP2L1;KPNA7;BRI3	-0.4029	-3.31521	0.001118	0.114684
	0.277141	3.315019	0.001119	0.114684
	0.201291	3.31475	0.00112	0.114726
PPP1R8;YTHDF2	-0.52794	-3.31539	0.001118	0.11465
FMO5;ENSG00000237188;PDIA3P1;CCT8P1;BCL9;ENSG00000236806;HYDIN2;CHD1L	-0.53901	-3.3147	0.00112	0.114726
STEAP3-AS1	0.356174	3.314494	0.001121	0.114769
	0.274763	3.314254	0.001122	0.114769
	0.434517	3.31477	0.00112	0.114726
LINC00689	0.653925	3.315049	0.001119	0.114684
	-0.25494	-3.31415	0.001122	0.114769
ERO1LB	0.351837	3.31444	0.001121	0.114769
	0.381084	3.31419	0.001122	0.114769
	-0.22239	-3.31415	0.001122	0.114769
	-0.14101	-3.31389	0.001123	0.114769
	-0.39523	-3.31367	0.001124	0.114769
	0.318074	3.313793	0.001124	0.114769
	-0.26994	-3.31379	0.001124	0.114769
	-0.31418	-3.31401	0.001123	0.114769
	-0.43196	-3.3136	0.001124	0.114769
TRPV3	-0.42086	-3.31301	0.001127	0.114805
	0.323359	3.313587	0.001125	0.114769
	0.409852	3.313489	0.001125	0.114779
	0.256631	3.313292	0.001126	0.114805
NKX6-1	-0.34612	-3.31367	0.001124	0.114769
ENSG00000269982;JAGN1;EMC3	0.437433	3.313036	0.001127	0.114805
SRSF9;DYNLL1;RNU4-2	-0.33261	-3.31319	0.001126	0.114805
	0.395939	3.31274	0.001128	0.114805
	0.437189	3.312616	0.001128	0.114805
	-0.42565	-3.31313	0.001126	0.114805
SNX29;ATF7IP2	-0.43456	-3.31229	0.001129	0.114805
SVIL;ARMC4;MPP7	-0.33482	-3.31286	0.001127	0.114805

	0.358095	3.312362	0.001129	0.114805
	-0.41281	-3.31251	0.001129	0.114805
SDCBP2	-0.3317	-3.3128	0.001128	0.114805
	0.359797	3.311907	0.001131	0.11487
	0.189739	3.312435	0.001129	0.114805
	-0.32813	-3.31222	0.00113	0.114805
PTH1R;MAP4	-0.30162	-3.31279	0.001128	0.114805
	-0.25619	-3.31256	0.001128	0.114805
PCDHGB2;PCDHGA8;PCDHGA4;PCDHGA12;PCDH12;PCDHGA11	-0.28224	-3.31227	0.00113	0.114805
ZNF57;GNG7;TJP3;GIPC3;AES;APBA3	-0.31536	-3.31171	0.001132	0.114916
AP3B1	0.393849	3.312095	0.00113	0.114824
	-0.26356	-3.31146	0.001133	0.114987
WBSCR22;GTF2IP1;ABHD11	-0.31475	-3.31091	0.001135	0.115118
HOMER1	-0.40578	-3.3111	0.001134	0.115074
UNC93B1;PITPNM1;FAM86C2P;ALDH3B1;AIP;ALDH3B2;GSTP1;				
RAD9A;ENSG00000255306;KDM2A;CDK2AP2	0.289986	3.310376	0.001137	0.115188
ANPEP	-0.32108	-3.31111	0.001134	0.115074
	-0.363	-3.31027	0.001137	0.115199
RABGGTB	0.334821	3.310463	0.001136	0.115181
	-0.70982	-3.31013	0.001138	0.115226
	0.208513	3.310658	0.001136	0.115181
	0.331819	3.310571	0.001136	0.115181
	0.364257	3.310532	0.001136	0.115181
SDK2;SSTR2	-0.44348	-3.30977	0.001139	0.115284
GPATCH8;GJC1;KANSL1;EFTUD2;ACBD4;HEXIM1;ENSG0000026				
7505;HIGD1B;MAPT;ENSG00000267405	-0.35741	-3.31006	0.001138	0.115226
NRM;GNL1;PPP1R18;TCF19;TUBB	-0.36252	-3.30952	0.00114	0.115356
	-0.35464	-3.30987	0.001139	0.115276
TXNL4A	0.436885	3.309399	0.00114	0.115374
	0.243319	3.308999	0.001142	0.115447
	0.457576	3.309272	0.001141	0.115384
	0.241336	3.308824	0.001143	0.11546
	0.279805	3.309232	0.001141	0.115384
HLA-F;PPP1R11	-0.51569	-3.30864	0.001143	0.115504
MARCH8;ZFAND4	-0.27739	-3.30837	0.001144	0.115554
	0.289735	3.308486	0.001144	0.115537
	0.363565	3.308911	0.001142	0.115454
STK24	0.368071	3.307694	0.001147	0.115707
	0.276921	3.308205	0.001145	0.115591
MRAS	-0.43645	-3.30783	0.001146	0.115688
	-0.37084	-3.30746	0.001148	0.115742
	0.350318	3.307815	0.001147	0.115688
RBM20	0.455994	3.307475	0.001148	0.115742
PPP1R26-				
AS1;COL5A1;UBAC1;C9orf116;ENSG00000233936;OLFM1	-0.40902	-3.30704	0.001149	0.115823
	-0.3322	-3.30731	0.001148	0.115774

C3orf67;DNAH12;ABHD6;DENND6A;ASB14;RNU6-1181P;ENSG00000242428;RNU6-108P;RNF7P1;IL17RD;ENSG00000237186;FLNB;SLMAP	-0.38279	-3.30666	0.001151	0.115891
DAAM2;MOCS1;KIF6;ENSG00000235033	-0.5537	-3.30716	0.001149	0.115806
STARD9	0.430864	3.306718	0.001151	0.115891
TGFB1I1;SEPHS2;SETD1A;ZNF267;PRSS53;DCTPP1	-0.39474	-3.30688	0.00115	0.115858
NXPH3;COL1A1;MBTD1	0.350195	3.306481	0.001152	0.115933
NOLC1	-0.35918	-3.30587	0.001154	0.116054
	0.451705	3.305493	0.001155	0.116098
	0.347394	3.306303	0.001152	0.115958
	0.314913	3.306276	0.001152	0.115958
JUND;FKBP8;MRPL34;LRRC25;PGLS	-0.33292	-3.30566	0.001155	0.116063
	0.25951	3.305158	0.001157	0.116117
TTN	0.345813	3.305862	0.001154	0.116054
	-0.43724	-3.30577	0.001154	0.116054
	0.4798	3.305394	0.001156	0.11611
	-0.37666	-3.30575	0.001154	0.116054
	0.317445	3.304946	0.001158	0.116117
CPT1C	-0.41721	-3.30459	0.001159	0.116117
	0.264684	3.305126	0.001157	0.116117
	-0.20506	-3.30519	0.001157	0.116117
TTC40;LRRC27;KNDC1;INPP5A;PWWP2B	-0.41875	-3.30503	0.001157	0.116117
	0.365822	3.304964	0.001158	0.116117
TBC1D2B;DNAJA4;WDR61	-0.25706	-3.30482	0.001158	0.116117
	0.327419	3.304743	0.001158	0.116117
	0.346588	3.304544	0.001159	0.116117
	-0.35239	-3.30408	0.001161	0.116239
NAGK	-0.42121	-3.30453	0.001159	0.116117
	0.33632	3.304538	0.001159	0.116117
DNAJC16;FHAD1;KAZN;FBLIM1;ENSG00000228140;HSPB7;AGMAT;PLEKHM2	0.395298	3.303436	0.001163	0.1163
RFX2;CAPS;PTPRS;HSD11B1L;CATSPERD;ENSG00000267262;TRIP10;MLLT1;ENSG00000267589;ENSG00000266983;NDUFA11;ENSG00000267299	-0.44675	-3.30374	0.001162	0.116265
RAB17;MLPH;TRAF3IP1	0.283526	3.303767	0.001162	0.116265
EIF4G3	-0.37429	-3.30436	0.00116	0.116159
	0.345285	3.303875	0.001162	0.116265
	0.415372	3.303852	0.001162	0.116265
	-0.26801	-3.30344	0.001163	0.1163
PPP1R8	-0.35251	-3.30358	0.001163	0.116299
	0.365961	3.302376	0.001168	0.116523
	0.303945	3.303265	0.001164	0.11634
	0.234041	3.302857	0.001166	0.116417
BNIP1;ERGIC1	-0.5266	-3.30262	0.001167	0.116483
TESC	-0.40135	-3.30304	0.001165	0.1164
TTC22;PARS2	-0.24249	-3.30296	0.001165	0.116404
IQCE;GNA12	0.368186	3.302448	0.001167	0.116522

	0.345274	3.302037	0.001169	0.116628
INVS;TMEM246	0.420919	3.301333	0.001172	0.116822
	0.328346	3.300912	0.001173	0.11693
RNU7-111P	-0.33907	-3.30143	0.001171	0.116811
	-0.25552	-3.30167	0.00117	0.116746
SLC1A1;GLIS3	-0.47952	-3.3011	0.001173	0.116887
TBC1D19;SMIM20;SLC34A2;PI4K2B;SOD3;LGI2	-0.34378	-3.30079	0.001174	0.11693
	-0.34846	-3.30044	0.001175	0.116978
	-0.36603	-3.30064	0.001174	0.116958
GAS6;TMCO3;ADPRHL1;TMEM255B;F10;DCUN1D2;GRTP1	-0.3959	-3.29987	0.001177	0.116985
	-0.28504	-3.30018	0.001176	0.116978
	0.237288	3.300227	0.001176	0.116978
RTN4IP1;ATG5	-0.64241	-3.3001	0.001177	0.116978
UAP1L1;GPSM1;PTGDS;EGFL7;C9orf163;LCNL1;TUBB4B;NOTCH1;AGPAT2;ENSG00000264527;ENSG00000235117;ENSG00000227512;FAM69B	-0.30801	-3.30078	0.001174	0.11693
	0.291455	3.300105	0.001177	0.116978
PHLDB1;FXYD6;MPZL3;FXYD2;MCAM;SCN2B;KMT2A;DPAGT1;TMPRSS4;C2CD2L;UBE4A;TMEM25;TREH;ENSG00000255176;HMBS;IFT46;USP2-AS1;CCDC153;ENSG00000254528	-0.5144	-3.30025	0.001176	0.116978
MARVELD1;FRAT2;HPSE2;SFRP5;RRP12;LCOR;FRAT1	-0.33905	-3.29999	0.001177	0.116985
	-0.25225	-3.30031	0.001176	0.116978
	0.38754	3.299892	0.001177	0.116985
H2AFY;JADE2	-0.49818	-3.29905	0.001181	0.117226
KIAA1841;BCL11A;PUS10;ENSG00000233953	-0.29851	-3.29868	0.001182	0.117291
	-0.33162	-3.29908	0.001181	0.117226
ALDH18A1;ENTPD1-AS1	0.300012	3.299116	0.00118	0.117226
ECSCR;SPATA24;CYSTM1;DNAJC18;SLC23A1;TMEM173;NRG2;PAIP2;PURA	-0.42423	-3.29881	0.001182	0.117291
ENSG00000269282	0.243891	3.298575	0.001183	0.117303
ADAM19	0.293352	3.298109	0.001184	0.117439
	-0.25643	-3.29874	0.001182	0.117291
ALDH1A3	-0.26103	-3.29792	0.001185	0.117439
	-0.3139	-3.29795	0.001185	0.117439
CARD11;IQCE	-0.4654	-3.29739	0.001187	0.117579
	-0.4441	-3.29788	0.001185	0.117439
	-0.20979	-3.29791	0.001185	0.117439
SLC25A20	-0.35644	-3.29778	0.001186	0.117452
	0.280459	3.296967	0.001189	0.117717
C14orf79	-0.58203	-3.29622	0.001192	0.1179
	0.413691	3.295813	0.001194	0.1179
	0.237911	3.296777	0.00119	0.117765
	0.17086	3.296119	0.001192	0.1179
	0.475007	3.296654	0.00119	0.117786
	0.206746	3.296017	0.001193	0.1179

GRIP2;FBLN2;NUP210	0.415834	3.295496	0.001195	0.117922
TMPRSS9;OAZ1	0.294365	3.29595	0.001193	0.1179
MON1A	0.266689	3.296488	0.001191	0.117824
	0.386954	3.295842	0.001193	0.1179
STYXL1;CCDC146;HIP1;ENSG00000250990;ENSG00000227038;				
RHBDD2;DTX2;FDPSP2;ENSG00000213542	-0.35835	-3.2953	0.001196	0.117922
RPL9P8	0.300864	3.295901	0.001193	0.1179
	0.19515	3.295272	0.001196	0.117922
	0.312497	3.295363	0.001195	0.117922
SLC22A23	-0.34442	-3.29531	0.001196	0.117922
	0.40198	3.295324	0.001195	0.117922
TCP11L1;QSER1;DEPDC7;ENSG00000184566	-0.40624	-3.29496	0.001197	0.117977
CHN2;PRR15;ENSG00000235669;CPVL;MTURN;SCRN1;FKBP14;				
WIPF3;NANOGP4;ENSG00000223813	-0.4448	-3.29427	0.0012	0.118014
	0.337805	3.294925	0.001197	0.117977
CTTN;SHANK2	0.484124	3.29549	0.001195	0.117922
KIF21B;KDM5B	-0.25213	-3.2943	0.0012	0.118014
	0.331325	3.294602	0.001198	0.118014
	-0.43106	-3.29445	0.001199	0.118014
PCSK4;SCAMP4;GRIN3B;SHC2;GAMT;ENSG00000129951;TCF3	-0.49168	-3.29443	0.001199	0.118014
	0.351556	3.293835	0.001201	0.118014
SLFN12L	-0.29224	-3.29393	0.001201	0.118014
ST6GALNAC1;PRPSAP1	0.270127	3.295044	0.001197	0.117977
GPR160;SLC7A14	0.431394	3.294208	0.0012	0.118014
	0.40482	3.293939	0.001201	0.118014
	-0.30767	-3.29407	0.001201	0.118014
	0.436907	3.293663	0.001202	0.118014
	-0.3776	-3.2941	0.0012	0.118014
	0.215537	3.293683	0.001202	0.118014
	-0.34336	-3.2943	0.0012	0.118014
ZNF780B;RPS16;ZNF546;PSMC4;SUPT5H	-0.26284	-3.29352	0.001203	0.118022
ASPA;ENSG00000263050;TRPV3;HIC1;C17orf85;ENSG0000026				
2758;ATP2A3	-0.56332	-3.29396	0.001201	0.118014
	-0.33512	-3.29376	0.001202	0.118014
	0.405701	3.292894	0.001205	0.118209
RNF166	-0.29579	-3.29368	0.001202	0.118014
NRP2;ENSG00000225216;ENSG00000180672	-0.36714	-3.2935	0.001203	0.118022
ENSG00000260604;BPHL;ECI2;ENSG00000233068;ENSG00000				
270504;SERPINB6;FAM50B;ENSG00000228793;LINC01011;SLC				
22A23;MYLK4	-0.43048	-3.29222	0.001208	0.118341
GGT7	-0.38146	-3.29319	0.001204	0.118117
	-0.28381	-3.29206	0.001209	0.118343
MRPS26	0.345699	3.29249	0.001207	0.118331
	0.344685	3.292106	0.001208	0.118343
	-0.32582	-3.29201	0.001209	0.118343
	-0.19703	-3.29239	0.001207	0.118331

SNORA74A;CTNNA1	-0.27824	-3.29238	0.001207	0.118331
	-0.37756	-3.29179	0.00121	0.118403
	-0.42329	-3.29224	0.001208	0.118341
	0.340966	3.291513	0.001211	0.118474
	0.291058	3.291305	0.001212	0.118512
	-0.55251	-3.29147	0.001211	0.118474
	-0.33521	-3.29072	0.001214	0.118659
	0.176695	3.291065	0.001213	0.11858
	0.267848	3.290111	0.001217	0.118678
	-0.34165	-3.29052	0.001215	0.118659
	-0.47137	-3.29058	0.001215	0.118659
BAI1;GPIHBP1	-0.26833	-3.29082	0.001214	0.11865
FAIM2	0.232349	3.290561	0.001215	0.118659
RBKS;SUPT7L;FAM179A	-0.45428	-3.29009	0.001217	0.118678
	0.351484	3.290454	0.001215	0.118659
FES	-0.26626	-3.29031	0.001216	0.118678
ENSG00000228648;ENSG00000231720;MLLT4	-0.34005	-3.28978	0.001218	0.118678
	0.44984	3.289799	0.001218	0.118678
ERG;BRWD1-IT2;ENSG00000205622;WRB;LCA5L	0.369782	3.289529	0.001219	0.118678
	0.346843	3.28952	0.001219	0.118678
HLA-A	-0.48156	-3.28982	0.001218	0.118678
	0.288146	3.289443	0.001219	0.118678
	0.2634	3.289805	0.001218	0.118678
GJC1;GPATCH8;HIGD1B;EFTUD2;FZD2	-0.28949	-3.28977	0.001218	0.118678
	-0.54724	-3.28938	0.001219	0.118678
CCDC33;CYP11A1;HCN4;BBS4;ENSG00000259264;LOXL1;PML; ENSG00000260266;C15orf59	-0.44572	-3.28883	0.001222	0.118817
SSBP3;DHCR24;BSND	-0.4679	-3.28848	0.001223	0.118905
PFDN5	0.405972	3.28964	0.001218	0.118678
	0.287927	3.289765	0.001218	0.118678
	-0.3757	-3.2895	0.001219	0.118678
	-0.2051	-3.28897	0.001221	0.118787
KLHL2;MSMO1	-0.36436	-3.2884	0.001223	0.118905
	0.37611	3.289124	0.001221	0.118753
	0.244504	3.288306	0.001224	0.118916
CATSPERB	-0.60567	-3.28842	0.001223	0.118905
SLC44A4;C6orf10;LY6G5C;NOTCH4;ENSG00000225914;VWA7; TNXB;NELFE;TCF19;PBX2;CLIC1;CCHCR1;HLA-DOB;HSPA1L;BTNL2;ENSG00000272221	-0.5372	-3.28777	0.001226	0.119047
	-0.30409	-3.28806	0.001225	0.118961
ZNF259	0.336113	3.288187	0.001224	0.118936
THSD1;NEK5	-0.33014	-3.2872	0.001228	0.119199
FAM114A1	0.30975	3.287319	0.001228	0.119199
	0.282465	3.287185	0.001228	0.119199
	0.268729	3.287109	0.001229	0.119202
	-0.30078	-3.28667	0.001231	0.119291
	-0.49352	-3.28624	0.001232	0.119291

	0.342433	3.285774	0.001234	0.119291
HCP5;HSPA1A;HLA-B;SLC44A4;C2	0.436175	3.286856	0.00123	0.119276
COL6A1;COL18A1-AS1;ADARB1;COL6A2;PTTG1IP;COL18A1	0.384879	3.285967	0.001233	0.119291
SMARCD2;STRADA;LRRC37A3;CEP95	-0.28338	-3.28656	0.001231	0.119291
	0.354987	3.286437	0.001232	0.119291
COPG2;UBE2H;NRF1	0.321078	3.286347	0.001232	0.119291
EFCAB1	-0.28724	-3.28595	0.001234	0.119291
	0.396277	3.286204	0.001232	0.119291
	0.426493	3.28588	0.001234	0.119291
	-0.18699	-3.28635	0.001232	0.119291
	-0.33769	-3.28587	0.001234	0.119291
BEGAIN	0.332175	3.286182	0.001233	0.119291
	0.381589	3.286359	0.001232	0.119291
	0.362024	3.285302	0.001236	0.119318
TMC8;TIMP2;C1QTNF1;TNRC6C-AS1;TNRC6C;CBX8;CBX2;DNAH17	-0.41701	-3.28563	0.001235	0.119291
	-0.4585	-3.28581	0.001234	0.119291
	0.486301	3.285466	0.001236	0.119291
	0.384485	3.285259	0.001236	0.119318
	-0.64646	-3.28556	0.001235	0.119291
RDH10;RPS3AP32	-0.49109	-3.28445	0.00124	0.119451
GAL3ST4;AP1S1;ZNHIT1;EPHB4	-0.33222	-3.28492	0.001238	0.11937
FANCA;SPIRE2	0.36745	3.284989	0.001237	0.11937
	0.41796	3.285461	0.001236	0.119291
	0.177758	3.284199	0.001241	0.119475
	0.255816	3.285557	0.001235	0.119291
	-0.3901	-3.28486	0.001238	0.11937
	0.268819	3.285107	0.001237	0.119351
ITGA7;RBMS2;ERBB3;WIBG;ORMDL2;SMARCC2;PTGES3;CD63;GDF11	-0.39076	-3.28419	0.001241	0.119475
	-0.43787	-3.28335	0.001244	0.119604
SNORA53;SLC25A3	0.320815	3.284254	0.001241	0.119475
	-0.38261	-3.28448	0.00124	0.119451
ST3GAL6	-0.61167	-3.28363	0.001243	0.119583
	0.394706	3.28457	0.001239	0.119451
	0.391985	3.284069	0.001241	0.119495
	-0.26728	-3.28365	0.001243	0.119583
SASH1;SAMD5;CYP51A1P3	0.446865	3.283849	0.001242	0.119556
	0.28646	3.283579	0.001243	0.119583
RSPH10B;ENSG00000239696;CYTH3;FSCN1;EIF2AK1	-0.50785	-3.28339	0.001244	0.119604
	-0.35147	-3.28301	0.001246	0.119676
	0.192464	3.282723	0.001247	0.119713
	0.283271	3.283247	0.001245	0.119608
LRRN3;IMMP2L	0.339246	3.283325	0.001244	0.119604
DYRK4;ANO2;VWF;NTF3	-0.31592	-3.28291	0.001246	0.119689
MBOAT2;CYS1;KLF11;CPSF3	-0.39414	-3.28271	0.001247	0.119713

GIPC3	-0.28151	-3.28246	0.001248	0.119726
NEBL;EIF4BP2	-0.38714	-3.28246	0.001248	0.119726
ALOX5AP	-0.49173	-3.28225	0.001249	0.119726
	0.429926	3.282395	0.001248	0.119726
PPIL1;RPL10A;SRSF3	0.486431	3.282209	0.001249	0.119726
IRF8	-0.30376	-3.28208	0.00125	0.11975
	0.312862	3.282294	0.001249	0.119726
	-0.29442	-3.28254	0.001248	0.119726
MANSC1;PRR4;ETV6;PRH2;PRB3;LOH12CR2	-0.4304	-3.28135	0.001253	0.119798
	-0.37354	-3.28202	0.00125	0.11975
	0.336723	3.28164	0.001251	0.119798
	0.213133	3.28171	0.001251	0.119798
	0.349517	3.28154	0.001252	0.119798
KIF3B;BPIFB1;CBFA2T2;SNTA1;COMMD7;BPIFA1;DNMT3B	-0.39395	-3.28108	0.001254	0.119798
	0.247942	3.281207	0.001253	0.119798
PPM1N	-0.32506	-3.28135	0.001253	0.119798
	0.453942	3.281044	0.001254	0.119798
LTBP3;EFEMP2;CTSF;PELI3	0.326475	3.280939	0.001254	0.119798
PPAP2B	0.330587	3.281082	0.001254	0.119798
	0.342706	3.280652	0.001256	0.119798
ENSG00000266289	0.503344	3.281236	0.001253	0.119798
	-0.26385	-3.28129	0.001253	0.119798
SLC1A7;PODN	0.349475	3.281163	0.001253	0.119798
FAM149B1	0.298044	3.280817	0.001255	0.119798
	0.258195	3.280002	0.001258	0.119884
CAPN2	-0.43772	-3.28056	0.001256	0.119798
HES2;CAMTA1;ACOT7;ESPN	-1.27065	-3.28073	0.001255	0.119798
KIF21B;NR5A2	0.262728	3.280198	0.001257	0.119849
	0.478388	3.280655	0.001255	0.119798
	0.227752	3.280552	0.001256	0.119798
	0.260116	3.279133	0.001262	0.120018
NEK5;THSD1	-0.60912	-3.28048	0.001256	0.119799
	0.316684	3.2794	0.001261	0.119965
	0.355055	3.280168	0.001258	0.119849
	-0.31543	-3.27945	0.001261	0.119965
	-0.3276	-3.28074	0.001255	0.119798
ENSG00000245750;ENSG00000259641;PAQR5;CORO2B;ENSG00000259426	-0.54815	-3.27961	0.00126	0.119965
SNX7	0.344745	3.280157	0.001258	0.119849
HN1L;IFT140;CCDC78;NHLRC4;ENSG00000196674;ENSG00000261659;NME4;METRN;UNKL;BAIAP3;SOX8;RGS11;TMEM204;RHBDF1;HAGHL;SNRNP25;WDR90;UBE2I;TPSB2;POLR3K;MSLN	-0.34424	-3.27918	0.001262	0.120018
	0.344115	3.278964	0.001263	0.120059
	-0.33582	-3.27971	0.001259	0.119965
	0.444271	3.279523	0.00126	0.119965

	0.373357	3.278397	0.001265	0.120232
BCL11B	0.595898	3.279478	0.00126	0.119965
LRRC27;TTC40;ADAM8;KNDC1;PWWP2B	-0.58715	-3.2781	0.001266	0.1203
	0.239172	3.278578	0.001264	0.120187
	-0.25918	-3.27778	0.001268	0.120398
	0.345116	3.278196	0.001266	0.120286
	0.296416	3.276993	0.001271	0.120571
	-0.37739	-3.27713	0.00127	0.120571
ESR1	-0.20784	-3.27738	0.001269	0.120532
	0.406479	3.277078	0.001271	0.120571
	-0.32772	-3.277	0.001271	0.120571
	0.243932	3.276952	0.001271	0.120571
	0.38849	3.276253	0.001274	0.120585
	0.445108	3.276557	0.001273	0.120585
	-0.67462	-3.27569	0.001276	0.12067
	0.408944	3.276694	0.001272	0.120585
	-0.81473	-3.27658	0.001273	0.120585
	0.50404	3.276299	0.001274	0.120585
ADCYAP1R1;INMT;AQP1;RPS27P16;ENSG00000227017;WIPF3	-0.52731	-3.27657	0.001273	0.120585
	0.419725	3.276259	0.001274	0.120585
	-0.19212	-3.27585	0.001276	0.120664
	-0.33229	-3.27676	0.001272	0.120585
HLA-F	-0.30399	-3.27624	0.001274	0.120585
GNL3	-0.24039	-3.27612	0.001275	0.120585
TLN2;TPM1;ENSG00000259498	0.329808	3.2763	0.001274	0.120585
	0.386439	3.275638	0.001277	0.12067
	-0.30139	-3.27613	0.001275	0.120585
	-0.5321	-3.27532	0.001278	0.120696
SCAMP4;PCSK4;GAMT	-0.39071	-3.27504	0.001279	0.12075
ARHGEF10;CLN8;KBTBD11	-0.64643	-3.27575	0.001276	0.12067
AHNAK2;GPR132	-0.37038	-3.27531	0.001278	0.120696
SMIM22;CORO7;GLIS2;CDIP1;TFAP4	-0.49221	-3.27553	0.001277	0.12067
MORN1;ENSG00000272106;PRKCZ	0.418175	3.275509	0.001277	0.12067
	-0.20765	-3.27514	0.001279	0.12074
	0.331893	3.274606	0.001281	0.120879
MKS1;MSI2;SCPEP1;ENSG00000263004;DGKE;AKAP1;SEPT4;VE				
ZF1;C17orf67;ENSG00000263089;EPX	-0.42573	-3.27366	0.001285	0.121118
NME4;CACNA1H;C16orf91	-0.34008	-3.27459	0.001281	0.120879
KIAA0513;FOXL1	0.377667	3.273964	0.001284	0.121051
SRP9;ACBD3;PARP1;TMEM63A;LIN9	-0.36082	-3.27374	0.001285	0.121113
MAPRE3	-0.37583	-3.27325	0.001287	0.121231
	-0.29032	-3.27432	0.001282	0.120963
	0.393323	3.274091	0.001283	0.121026
DLG5-AS1	-0.27294	-3.27334	0.001286	0.121224
	0.321825	3.273069	0.001288	0.121251
	0.213286	3.272896	0.001288	0.121295

	0.35416	3.272606	0.00129	0.121358
	-0.30734	-3.27261	0.00129	0.121358
	0.356847	3.272192	0.001291	0.121472
	0.472531	3.273076	0.001288	0.121251
CGNL1	-0.35416	-3.27211	0.001292	0.121479
	-0.18223	-3.27153	0.001294	0.121608
	-0.34662	-3.2719	0.001293	0.121481
	-0.33818	-3.2722	0.001291	0.121472
GTPBP4;PRR26	0.218098	3.271951	0.001292	0.121481
FRAS1	0.357875	3.271911	0.001293	0.121481
	0.242055	3.271058	0.001296	0.12175
	-0.34668	-3.2709	0.001297	0.121782
	0.374206	3.271043	0.001296	0.12175
	0.37422	3.270536	0.001299	0.121848
	-0.36968	-3.27034	0.001299	0.121902
	-0.63682	-3.26943	0.001303	0.122068
	-0.31821	-3.27072	0.001298	0.121828
ECSCR;SLC23A1;PURA;SPATA24;CYSTM1	-0.49303	-3.27054	0.001299	0.121848
NUP50	-0.6395	-3.2699	0.001301	0.122027
GOLM1;NAA35;GAS1;AGTPBP1	-0.32534	-3.26955	0.001303	0.122068
	0.337228	3.27001	0.001301	0.122008
	-0.31827	-3.26915	0.001305	0.122074
	0.179745	3.269391	0.001303	0.122068
	0.348057	3.269058	0.001305	0.122074
	0.291055	3.269505	0.001303	0.122068
	-0.47077	-3.26954	0.001303	0.122068
	0.322892	3.269416	0.001303	0.122068
RAMP3;COA1;POLD2;CCM2;AEBP1;MYO1G	0.333985	3.269334	0.001304	0.122068
	0.394826	3.268889	0.001306	0.122088
SNORA71D	0.177529	3.26792	0.00131	0.122348
	0.308512	3.269217	0.001304	0.122074
	0.566657	3.269055	0.001305	0.122074
	-0.38019	-3.26838	0.001308	0.122243
LCK;MTMR9LP;S100PBP	-0.37007	-3.26898	0.001305	0.122077
SELL	0.388457	3.268184	0.001309	0.122294
ZFYVE28	-0.36733	-3.26846	0.001308	0.122237
	-0.25107	-3.26811	0.001309	0.122298
	-0.40095	-3.26767	0.001311	0.122422
	0.400742	3.266659	0.001315	0.122619
	0.300744	3.267317	0.001312	0.122486
	0.295759	3.267531	0.001312	0.122453
SEMA5A;ENSG00000251370;ENSG00000250001;CCT5	-0.41036	-3.267	0.001314	0.122588
	0.403313	3.267369	0.001312	0.122486
	0.401272	3.266597	0.001316	0.122619
TBC1D22B;BTBD9	-0.39502	-3.26687	0.001314	0.12259
NID2	0.287224	3.26672	0.001315	0.122619
	0.300432	3.266915	0.001314	0.12259

FAM166B;SPAG8	-0.46984	-3.2663	0.001317	0.122687
	-0.23307	-3.2664	0.001316	0.122674
NLRC5;CETP	-0.34257	-3.26621	0.001317	0.122695
	0.74675	3.264809	0.001323	0.122744
RPL21P8	-0.32971	-3.26566	0.00132	0.122744
GALNT10;GRIA1	-0.42227	-3.26524	0.001322	0.122744
MIR143HG;ENSG00000253864;MIR145;MIR143;PDGFRB;ABLI M3;CSNK1A1;ARSI;AFAP1L1;HMGXB3;ENSG00000253406	-0.39032	-3.26592	0.001319	0.122744
	-0.52263	-3.26569	0.00132	0.122744
CCDC146;ENSG00000232756	0.370265	3.265845	0.001319	0.122744
	-0.27046	-3.2654	0.001321	0.122744
DNAH5;ANKH	-0.42198	-3.26538	0.001321	0.122744
KLF11	-0.2685	-3.26559	0.00132	0.122744
LMLN;NRROS;IQCG;CEP19	-0.29044	-3.26511	0.001322	0.122744
GPR133	0.548742	3.26515	0.001322	0.122744
SKP1	-0.42576	-3.26571	0.00132	0.122744
	0.369315	3.265226	0.001322	0.122744
	-0.34145	-3.26536	0.001321	0.122744
	-0.56743	-3.26478	0.001324	0.122744
ENSG00000263316;NUP88	0.343664	3.264634	0.001324	0.122778
	0.367209	3.265011	0.001323	0.122744
	0.442193	3.264837	0.001323	0.122744
KIAA0513;ENSG00000262601	-0.53819	-3.26506	0.001322	0.122744
NME9;DZIP1L;FAIM;CLDN18;ENSG00000248932;ACTG1P1;KRT 8P36;COPB2;RBP2	-0.38325	-3.26425	0.001326	0.122851
USO1;SEPT11;NAAA;ART3	-0.35949	-3.2644	0.001325	0.122848
ITGB2;COL6A2;COL6A1	-0.4607	-3.26502	0.001323	0.122744
	0.300286	3.264943	0.001323	0.122744
MFSD4	-0.39826	-3.26415	0.001326	0.122851
	0.340211	3.264249	0.001326	0.122851
	0.331531	3.264131	0.001326	0.122851
CGNL1;TCF12;AQP9	0.401607	3.263937	0.001327	0.122903
PPP1R16B	-0.35624	-3.26343	0.00133	0.122937
	0.375492	3.263812	0.001328	0.122917
COL23A1;ADAMTS2	0.288766	3.263644	0.001329	0.122937
EFEMP2;CTSF;PELI3;LTBP3;CD248;MUS81;CDC42EP2;CST6	-0.2412	-3.26318	0.001331	0.122937
	0.346264	3.262645	0.001333	0.122982
ARFIP2	0.259779	3.263772	0.001328	0.122917
AHCYL2;FLNC;SMO;CCDC136;RBM28	0.289899	3.263173	0.001331	0.122937
	-0.46273	-3.26318	0.001331	0.122937
	0.364877	3.263298	0.00133	0.122937
	-0.58062	-3.26314	0.001331	0.122937
	-0.34244	-3.26328	0.00133	0.122937
	0.173981	3.262677	0.001333	0.122982
	0.321578	3.262596	0.001333	0.122982

	-0.26403	-3.26291	0.001332	0.12298
	0.40465	3.262453	0.001334	0.122988
BAIAP2;CCDC40	0.475137	3.263156	0.001331	0.122937
	0.289453	3.262901	0.001332	0.12298
	-0.30847	-3.26264	0.001333	0.122982
CALHM2	0.400892	3.261801	0.001337	0.123164
	-0.31491	-3.26243	0.001334	0.122988
	-0.26563	-3.26257	0.001333	0.122982
MFGE8;ABHD2;KIF7;NTRK3;ISG20;HAPLN3	-0.4509	-3.26163	0.001337	0.123207
	-0.32304	-3.26218	0.001335	0.123063
C1QA;C1QB;C1QC;GRHL3;GALE	-0.38277	-3.26202	0.001336	0.123103
	0.480982	3.261358	0.001339	0.123265
SLC23A1;NME5	-0.24326	-3.26115	0.00134	0.123326
BAIAP2L1;KPNA7	-0.34154	-3.26148	0.001338	0.123241
	-0.29892	-3.26053	0.001342	0.123462
SNX29;ZC3H7A	-0.43628	-3.2601	0.001344	0.123567
SLC43A2;C17orf97;GEMIN4;MYO1C	-0.36993	-3.26049	0.001343	0.123462
NXN;MYO1C	0.277604	3.260879	0.001341	0.123408
DNAJC16;KAZN;RNU1-1	0.452267	3.26067	0.001342	0.123462
	0.435283	3.259811	0.001346	0.123607
TGFB1;AXL;CEACAM5;CD79A;POU2F2;ARHGEF1;GRIK5;CEACAM6	-0.59776	-3.26061	0.001342	0.123462
	0.316845	3.260292	0.001343	0.123516
TAPBPL;ZNF384	-0.30895	-3.25996	0.001345	0.123571
	0.335846	3.259359	0.001348	0.123687
	0.536731	3.26003	0.001345	0.12357
	0.417224	3.259603	0.001347	0.123665
	0.30016	3.259336	0.001348	0.123687
	-0.40149	-3.25938	0.001348	0.123687
	-0.42106	-3.25908	0.001349	0.123748
	0.396528	3.259291	0.001348	0.123687
	-0.55972	-3.25899	0.001349	0.123756
ATAD3A	-0.4405	-3.25836	0.001352	0.123886
	0.165585	3.258354	0.001352	0.123886
ARHGEF10	-0.42354	-3.25789	0.001354	0.123983
SLC9A8;PTGIS;SNAI1;B4GALT5;TMEM189;PARD6B;CEBPB	-0.42375	-3.25875	0.00135	0.123819
TCTEX1D1;SGIP1;DIRAS3	0.311384	3.258275	0.001352	0.123892
	-0.34061	-3.25836	0.001352	0.123886
	0.366535	3.25871	0.001351	0.123819
	-0.37418	-3.25716	0.001357	0.124164
MOCS1	0.372523	3.257739	0.001355	0.123983
	-0.50924	-3.25774	0.001355	0.123983
	-0.80256	-3.25773	0.001355	0.123983
FDXR;SMIM5;LLGL2;KCTD2;TRIM65	-0.45645	-3.25746	0.001356	0.124066
ENSG00000264198;ERBB2	0.474846	3.257785	0.001355	0.123983
	-0.34919	-3.25646	0.001361	0.124214

	0.394041	3.256317	0.001361	0.124216
	0.312394	3.256739	0.001359	0.12418
SUV420H1;TPCN2	-0.45589	-3.25626	0.001362	0.124216
	-0.41081	-3.25673	0.001359	0.12418
LARP4B	-0.35791	-3.25639	0.001361	0.124215
	0.243469	3.256458	0.001361	0.124214
	-0.37981	-3.25681	0.001359	0.12418
	0.394867	3.256746	0.001359	0.12418
	0.391282	3.256092	0.001362	0.124259
SNTB2;TANGO6;IL34;HAS3;ST3GAL2;NQO1;DDX19A;VPS4A	-0.45558	-3.2554	0.001365	0.124341
	0.350755	3.256502	0.00136	0.124214
HES2;ESPN;CAMTA1	-0.45801	-3.25676	0.001359	0.12418
	0.26264	3.256	0.001363	0.124271
	0.432004	3.256757	0.001359	0.12418
	0.185705	3.255591	0.001365	0.124341
MMRN2;MINPP1;SNCG;GLUD1;GRID1	0.313366	3.255071	0.001367	0.124341
ENSG00000234478;EPHX1;ENAH;PYCR2;ITPKB;SRP9;C1orf95	-0.58716	-3.25404	0.001372	0.124341
ENSG00000264198;IKZF3;ERBB2;KRT13	-0.51524	-3.25563	0.001364	0.124341
	0.370173	3.255855	0.001363	0.124304
PTPRS;CATSPERD;RFX2;CAPS;TRIP10;TINCR;HSD11B1L;ENSG00000267589;VAV1;SH2D3A;ENSG00000267427;DENND1C;FUT6;TNFSF14;ENSG00000267262;NDUFA11;MLLT1;ENSG00000266983	-0.3509	-3.25421	0.001371	0.124341
	0.277913	3.254981	0.001367	0.124341
	0.290693	3.255041	0.001367	0.124341
DOCK1	-0.48392	-3.25488	0.001368	0.124341
UFD1L	0.470551	3.254917	0.001368	0.124341
	-0.32353	-3.2543	0.00137	0.124341
	0.263479	3.253681	0.001373	0.124353
	0.26771	3.25457	0.001369	0.124341
	0.430067	3.254244	0.001371	0.124341
	0.265348	3.255027	0.001367	0.124341
TSSC1	0.346385	3.254742	0.001368	0.124341
ENSG00000249574	-0.24112	-3.25457	0.001369	0.124341
	0.29615	3.254003	0.001372	0.124341
	0.379542	3.253827	0.001373	0.124346
	0.338685	3.254341	0.00137	0.124341
	0.199651	3.253903	0.001372	0.124341
	0.399973	3.254493	0.00137	0.124341
	-0.46589	-3.25432	0.00137	0.124341
DLL4	0.282458	3.254856	0.001368	0.124341
	0.486238	3.254105	0.001371	0.124341
KIF22	0.329695	3.254813	0.001368	0.124341
	-0.33347	-3.25433	0.00137	0.124341
	0.257073	3.254097	0.001371	0.124341

	-0.3321	-3.2543	0.00137	0.124341
	-0.25078	-3.25336	0.001375	0.124433
	-0.38807	-3.25405	0.001372	0.124341
	-0.31066	-3.25368	0.001373	0.124353
	0.325155	3.253942	0.001372	0.124341
	0.367271	3.253262	0.001375	0.124447
	0.26212	3.252889	0.001377	0.124495
	-0.44906	-3.25316	0.001376	0.124456
PIH1D1	-0.30921	-3.25346	0.001374	0.124417
KIF18B	-0.52938	-3.25293	0.001377	0.124495
	0.34467	3.252163	0.00138	0.124591
	0.437785	3.252771	0.001377	0.124518
	0.527696	3.252498	0.001379	0.124577
	-0.359	-3.25198	0.001381	0.124591
	0.41775	3.252582	0.001378	0.124569
TRIP13;NKD2;TPPP;NDUFS6;LPCAT1;MRPL36;ZDHHC11	-0.44689	-3.25195	0.001381	0.124591
	0.345303	3.251943	0.001381	0.124591
EVI5;ABCA4;BCAR3;F3;ENSG00000233129;GCLM;ENSG000002				
24093;MTF2;ABCD3;MTND4P11;FNBP1L;ENSG00000225505	-0.39957	-3.25233	0.001379	0.124591
GPR176;SRP14-AS1	-0.37064	-3.25189	0.001381	0.124591
	0.391047	3.251641	0.001383	0.124599
TNIK	-0.44287	-3.25311	0.001376	0.124456
	0.243177	3.252298	0.00138	0.124591
ENSG00000261788;VPS35;MYLK3;ITFG1	-0.55415	-3.25204	0.001381	0.124591
	0.404755	3.251617	0.001383	0.124599
HSPG2	0.270723	3.252095	0.00138	0.124591
	-0.29104	-3.25136	0.001384	0.124678
GRAP2;SUN2;PDGFB	-0.3468	-3.25173	0.001382	0.124599
	0.321065	3.251628	0.001383	0.124599
ENSG00000231980;PTPRN2;RNF32;ENSG00000233038;ENSG0				
0000222012	-0.74683	-3.25061	0.001387	0.124882
	-0.28896	-3.25094	0.001386	0.124825
FAM174B;SLCO3A1	-0.44085	-3.25045	0.001388	0.124895
LY75;ENSG00000227403	-0.41505	-3.25013	0.001389	0.124947
	0.354502	3.250733	0.001387	0.124873
	-0.46491	-3.2507	0.001387	0.124873
	0.277938	3.250269	0.001389	0.124945
	-0.29772	-3.25007	0.00139	0.124947
LSP1	-0.22968	-3.25049	0.001388	0.124895
ENSG00000236864	-0.23735	-3.24962	0.001392	0.125099
ST6GALNAC2;MXRA7;SEC14L1;ENSG00000261335	-0.27192	-3.2502	0.001389	0.124946
	-0.25005	-3.24955	0.001392	0.125099
	0.359046	3.249454	0.001393	0.125099
	0.318587	3.248953	0.001395	0.125148
DHRS7B	-0.43418	-3.24922	0.001394	0.125127
ENTPD1;CYP2C8;TCTN3	-0.30673	-3.24855	0.001397	0.12519

	0.411157	3.249346	0.001393	0.125117
IGHMBP2;ANO1;TPCN2	-0.33316	-3.2485	0.001397	0.12519
TLR4	-0.58886	-3.2495	0.001392	0.125099
BCL2L1;TTLL9;REM1;TPX2;RNU1-94P	-0.43231	-3.24913	0.001394	0.125127
TUBE1	0.346409	3.248434	0.001397	0.12519
COBL;IKZF1	-0.51262	-3.24901	0.001395	0.125148
	-0.41205	-3.24915	0.001394	0.125127
	0.172828	3.248315	0.001398	0.125195
	-0.37631	-3.24845	0.001397	0.12519
	-0.26816	-3.24883	0.001395	0.125174
	-0.29021	-3.24827	0.001398	0.125195
	0.48768	3.248129	0.001399	0.125211
	-0.33237	-3.2481	0.001399	0.125211
	-0.33979	-3.24841	0.001397	0.12519
	0.349635	3.247517	0.001402	0.125313
CASS4	0.409879	3.247981	0.001399	0.125236
	-0.32798	-3.24844	0.001397	0.12519
ZAP70;ARID5A;KANSL3;FAM178B;CIAO1;CNNM4	-0.54914	-3.24791	0.0014	0.12524
	-0.31027	-3.24693	0.001404	0.125359
	-0.25556	-3.24684	0.001405	0.125359
	0.375018	3.247587	0.001401	0.125313
	0.270351	3.247293	0.001403	0.125344
TSSC1	-0.5166	-3.2468	0.001405	0.125359
	0.341311	3.246429	0.001407	0.12546
	0.392656	3.247276	0.001403	0.125344
	0.296085	3.247478	0.001402	0.125313
	0.328157	3.247109	0.001403	0.125359
ASPA	0.272285	3.24701	0.001404	0.125359
LRRC36;PLEKHG4;CMTM4	-0.49318	-3.2475	0.001402	0.125313
	-0.27042	-3.24699	0.001404	0.125359
	0.355091	3.246906	0.001404	0.125359
	0.313897	3.2466	0.001406	0.125416
	-0.51153	-3.24568	0.00141	0.125608
	-0.18882	-3.24571	0.00141	0.125608
	-0.33546	-3.24523	0.001412	0.125638
	0.198802	3.245495	0.001411	0.125608
	0.282672	3.245743	0.00141	0.125608
TSPAN3;CSPG4;SNX33	0.397823	3.24586	0.001409	0.125608
HLA-F;HCP5;PPP1R11;PPP1R18;PPP1R10;HLA-E;HLA-F-AS1;GABBR1	0.404356	3.246121	0.001408	0.125536
DYNLRB2;C16orf46;ENSG00000260183;ENSG00000261838;ENSG00000261141;CENPN;CMIP	-0.36202	-3.24555	0.001411	0.125608
H3F3B	-0.35115	-3.24619	0.001408	0.125534
ENSG00000259225;MEIS2	-0.43938	-3.24542	0.001411	0.125608
	0.47835	3.245379	0.001411	0.125608
IGHJ3P;KIAA0125;C14orf79;GPR132;IGHG1	0.366316	3.245566	0.001411	0.125608
ITPKB;PYCR2;C1orf95;H3F3A	-0.54088	-3.24517	0.001412	0.125638

	-0.32877	-3.24512	0.001413	0.125638
	0.295018	3.243753	0.001419	0.125995
ZKSCAN1;EPHB4;RABL5;PCOLCE;ZNF3;ZCWPW1;ACHE;ZNHIT1;				
AP1S1;PLOD3;CLDN15;GAL3ST4;GNB2	0.345378	3.244584	0.001415	0.125808
NKX6-1	-0.29924	-3.2439	0.001418	0.125962
KIAA1549;ATP6V0A4;ENSG00000271537;TTC26	-0.53874	-3.2449	0.001414	0.125702
TMEM255B;F10	-0.28566	-3.2444	0.001416	0.125834
LDHA	-0.23189	-3.2445	0.001416	0.125816
	0.339647	3.244062	0.001418	0.12592
ADCY5	-0.25602	-3.24369	0.001419	0.125995
CBFA2T3;PIEZO1;ENSG00000259881;ENSG00000261226;SPIRE				
2;SPATA33;RNF166;ENSG00000260121;ENSG00000260259	-0.41251	-3.24407	0.001418	0.12592
	0.305581	3.243291	0.001421	0.126115
SMCO4	-0.52774	-3.24293	0.001423	0.126182
	0.43364	3.242603	0.001424	0.126249
	0.316287	3.243279	0.001421	0.126115
SNHG15;TBRG4;CCM2;POLD2;TMED4;SNORA5C;PPIA	-0.47084	-3.24308	0.001422	0.126173
	0.154418	3.241934	0.001428	0.126336
	0.420073	3.241566	0.001429	0.126389
	0.341722	3.242581	0.001425	0.126249
	-0.42768	-3.24235	0.001426	0.126267
	-0.5656	-3.24296	0.001423	0.126182
	0.416862	3.242087	0.001427	0.126331
AIM2;PYHIN1;FCRL5	0.486023	3.242654	0.001424	0.126249
	-0.39838	-3.24201	0.001427	0.126331
RASSF1;CACNA2D2;DOCK3;BSN;PRKAR2A;UBA7;PRKAR2A-AS1	-0.33649	-3.24237	0.001426	0.126267
	0.276157	3.242033	0.001427	0.126331
LHFP;COG6	0.368914	3.241868	0.001428	0.126337
	0.354361	3.242406	0.001425	0.126267
SLC41A1;TMCC2	0.239631	3.241305	0.001431	0.126389
	0.240177	3.241121	0.001431	0.12644
EIF2AK1	-0.2992	-3.24136	0.00143	0.126389
EFCAB11;CCDC88C;CALM1;TDP1;CATSPERB;RPS6KA5	-0.48306	-3.2415	0.00143	0.126389
	-0.33186	-3.24138	0.00143	0.126389
GP5;FAM43A;ENSG00000230102;XXYLT1-AS2;LSG1	-0.42046	-3.24149	0.00143	0.126389
	-0.30049	-3.24096	0.001432	0.126477
CTSF;FAM86C2P;EFEMP2;GSTP1;CST6;CD248;CARNS1;PITPNM				
1	-0.30088	-3.24082	0.001433	0.126485
	0.310119	3.240907	0.001432	0.126477
SH2D2A	-0.28029	-3.24138	0.00143	0.126389
ENTPD1;ENTPD1-				
AS1;ENSG00000269948;SORBS1;C10orf131;ENSG0000023402				
6	-0.40679	-3.2398	0.001438	0.126678
ZDHHC13;E2F8;ENSG00000255308	-0.60647	-3.24046	0.001435	0.126532
	-0.35018	-3.24032	0.001435	0.126564

INPP5K;SCARF1;HIC1	-0.45927	-3.24076	0.001433	0.126485
FBLN1;ENSG00000226328;ENSG00000238120;NUP50;ENSG00000230922;RIBC2	-0.44014	-3.24008	0.001436	0.126613
PSMG3	0.362578	3.240131	0.001436	0.126613
	0.265789	3.240585	0.001434	0.126532
	-0.40525	-3.23994	0.001437	0.126646
	-0.27152	-3.24049	0.001434	0.126532
	0.31697	3.239566	0.001439	0.126724
	0.364784	3.23936	0.00144	0.12674
GRHL2	-0.37805	-3.23964	0.001438	0.12672
VSTM2L;KIAA1755;RPRD1B;DHX35;SNHG17	-0.30204	-3.23878	0.001443	0.12682
TBX2	0.375027	3.239155	0.001441	0.12674
	0.444023	3.239247	0.00144	0.12674
	0.357715	3.239189	0.001441	0.12674
PTP4A3;DENND3	-0.36185	-3.23927	0.00144	0.12674
SPRY1	0.514735	3.239233	0.00144	0.12674
	0.37502	3.238775	0.001443	0.12682
CTSF;DPP3;ENSG00000254510;FAM86C2P;GSTP1;UNC93B1;PELI3;ALDH3B2;CDK2AP2;NUDT8;CARNS1;ENSG00000213409	-0.37668	-3.23843	0.001444	0.126941
	-0.31211	-3.23901	0.001441	0.126773
	-0.28139	-3.2376	0.001448	0.127053
	0.345717	3.237959	0.001446	0.126962
	0.299563	3.238074	0.001446	0.126962
	0.288532	3.237893	0.001447	0.126962
	-0.25492	-3.23789	0.001447	0.126962
	-0.25952	-3.23639	0.001454	0.127246
DAXX	0.356674	3.237912	0.001447	0.126962
NOS3;ACTR3C;GIMAP8;GIMAP6;REPIN1;RARRES2;SMARCD3	-0.30654	-3.23682	0.001452	0.127196
TSTA3	0.243175	3.238125	0.001446	0.126962
	-0.35542	-3.23798	0.001446	0.126962
	-0.39063	-3.23733	0.001449	0.127086
	-0.32744	-3.23788	0.001447	0.126962
SNORA74A	0.436402	3.236574	0.001453	0.127196
	-0.55191	-3.2374	0.001449	0.127084
	0.295054	3.235844	0.001457	0.127295
FAM43A;MUC4;LRRC15	0.389065	3.236112	0.001455	0.127286
	0.295901	3.237468	0.001449	0.127081
MORN4	-0.35952	-3.23722	0.00145	0.127108
	0.30157	3.236777	0.001452	0.127196
	0.315302	3.235946	0.001456	0.127295
PTPRS;FUT3	-0.46193	-3.23659	0.001453	0.127196
MSRB1;TMEM8A;TRAF7	0.232312	3.236857	0.001452	0.127196
NSUN7;ENSG00000250893;ENSG00000248780	-0.30492	-3.23552	0.001458	0.127295
	0.443865	3.236707	0.001452	0.127196
	0.444397	3.236681	0.001453	0.127196

	-0.35962	-3.23626	0.001455	0.127249
	0.464951	3.236272	0.001455	0.127249
	0.447648	3.235741	0.001457	0.127295
MFSD6;MYO1B;TMEFF2;GLS	-0.39581	-3.23551	0.001458	0.127295
TTYH2;CASKIN2	0.315835	3.23487	0.001461	0.127384
	0.256184	3.235546	0.001458	0.127295
WRAP53;TMEM107;DNAH2;KIAA0753;NLGN2;CHD3;CYB5D1;E				
NSG00000269928;MIR497HG;TEKT1;EFNB3;C17orf49;TP53	-0.30489	-3.23524	0.001459	0.127337
C6orf132;ENSG00000261068	0.454955	3.235568	0.001458	0.127295
	0.438457	3.235915	0.001456	0.127295
MYL12A;TGIF1;MYL12B	-0.39237	-3.23535	0.001459	0.127317
	-0.4619	-3.23547	0.001458	0.127295
FAM211A-AS1	-0.20707	-3.23482	0.001462	0.127384
NRXN2;RASGRP2;SIPA1;PYGM;PPP2R5B;EFEMP2;SLC25A45;CD				
248;CST6;MAP4K2;EHBP1L1;CTSF;MAP3K11;CCDC87;LTBP3;EH				
D1	-0.35269	-3.2349	0.001461	0.127384
	0.366505	3.234684	0.001462	0.127404
	0.28385	3.235184	0.00146	0.127337
	-0.26472	-3.23507	0.00146	0.127359
	0.440598	3.235522	0.001458	0.127295
	0.350857	3.233758	0.001467	0.127404
	0.331286	3.233728	0.001467	0.127404
	0.23677	3.234082	0.001465	0.127404
NUDT4;PLEKHG7;C12orf74;SOCS2-				
AS1;SOCS2;MRPL42;ENSG00000257512;UBE2N;CRADD	-0.39054	-3.23401	0.001465	0.127404
	0.16816	3.234347	0.001464	0.127404
	-0.34696	-3.23434	0.001464	0.127404
	0.312366	3.233904	0.001466	0.127404
CYTIP	-0.29269	-3.23463	0.001462	0.127404
	0.491142	3.234432	0.001463	0.127404
PLXND1;ENSG00000187695;RPN1;TMCC1;COPG1;IFT122;COL6				
A6;KIAA1257;EFCAB12	0.429282	3.233393	0.001468	0.127441
NWD1;MYO9B;NOTCH3;BRD4;SIN3B;C19orf44;ENSG00000273				
218;ENSG00000267275;KLF2	-0.51179	-3.2338	0.001466	0.127404
	0.309271	3.233906	0.001466	0.127404
KCTD11;ACAP1;CTC1;VAMP2	-0.27695	-3.23348	0.001468	0.12743
SOCS1;ATF7IP2	-0.40594	-3.23413	0.001465	0.127404
TSPAN15;TACR2;PALD1	0.274024	3.232899	0.001471	0.127515
TAL1;IPP;CYP4B1;TSPAN1;ENSG00000226252	-0.4078	-3.2336	0.001467	0.127404
IFT140;HN1L;CCDC78;BAIAP3;PDPK1;HAGH;ENSG00000261659				
;HAGHL;SOX8;METRN;HS3ST6;MSRB1;UBE2I;GFER;RNPS1;ENSG				
00000260807;UNKL;WDR24;CHTF18;TMEM204;CACNA1H	-0.66136	-3.23376	0.001467	0.127404
FAM83H-AS1;RHPN1-				
AS1;MAPK15;RHPN1;LY6H;BAI1;PYCRL;PSCA	-0.46562	-3.2343	0.001464	0.127404
	0.227297	3.233913	0.001466	0.127404

	0.305587	3.233992	0.001466	0.127404
GRK5;GRK5-IT1	-0.42823	-3.23365	0.001467	0.127404
TMC8;MXRA7	-0.34844	-3.23279	0.001471	0.127515
	0.347127	3.233071	0.00147	0.127515
PLXDC1;ERBB2;ENSG00000264198;ENSG00000263818	-0.39492	-3.2328	0.001471	0.127515
SLC10A6	0.200092	3.232851	0.001471	0.127515
	0.414359	3.233113	0.00147	0.127515
	0.240556	3.232696	0.001472	0.127527
	0.403891	3.232813	0.001471	0.127515
	0.27738	3.232157	0.001474	0.127691
FBP1;FANCC;PHF2	-0.35083	-3.2312	0.001479	0.12782
CSMD2	-0.43498	-3.23206	0.001475	0.127691
SLFN5;RFFL;UNC45B	-0.24332	-3.23103	0.00148	0.127864
	0.364375	3.231966	0.001475	0.127691
RBM23;SLC22A17;CDH24	0.294258	3.231964	0.001475	0.127691
	-0.30895	-3.23148	0.001478	0.127778
KIF3B;CCM2L;CBFA2T2;BPIFB1;SNTA1	-0.31607	-3.23181	0.001476	0.127691
	0.437622	3.231865	0.001476	0.127691
CALHM2	0.457137	3.232093	0.001475	0.127691
	0.369757	3.230596	0.001482	0.127879
	0.2643	3.231322	0.001478	0.12782
	-0.41508	-3.23164	0.001477	0.12774
CSF1;CLCC1;KCNA3;LAMTOR5	0.312402	3.231867	0.001476	0.127691
	-0.39738	-3.23122	0.001479	0.12782
	-0.34822	-3.23093	0.00148	0.127879
	-0.36499	-3.23038	0.001483	0.127879
GPR124;RAB11FIP1	-0.30108	-3.22957	0.001487	0.127938
	-0.30848	-3.22998	0.001485	0.127879
	-0.3249	-3.23049	0.001483	0.127879
	0.283939	3.230675	0.001482	0.127879
	-0.48893	-3.22968	0.001487	0.127923
TGFB3;TTLL5;GPATCH2L	-0.38608	-3.23011	0.001484	0.127879
	-0.25484	-3.2298	0.001486	0.127921
	-0.19409	-3.23021	0.001484	0.127879
	0.345799	3.230079	0.001485	0.127879
	-0.51173	-3.23024	0.001484	0.127879
TMEM254;PPIF;ZCCHC24;ZMIZ1	-0.33558	-3.23011	0.001484	0.127879
	-0.46589	-3.23026	0.001484	0.127879
	0.222852	3.230138	0.001484	0.127879
	-0.32184	-3.22904	0.00149	0.127983
	0.225342	3.230163	0.001484	0.127879
MISP;PPAP2C	-0.35828	-3.22946	0.001488	0.127938
	0.36856	3.229451	0.001488	0.127938
KIAA1211L;TSGA10;TMEM131;VWA3B;ENSG00000222000;LIN				
C01125;CNGA3	-0.39708	-3.22923	0.001489	0.127966
AES	0.369269	3.230172	0.001484	0.127879
HMHA1;ARID3A;MISP;PPAP2C;SHC2	-0.44215	-3.23027	0.001484	0.127879

IL18RAP	-0.43369	-3.22967	0.001487	0.127923
	-0.3364	-3.22996	0.001485	0.127879
	0.245304	3.229203	0.001489	0.127966
	-0.30396	-3.22877	0.001491	0.128019
GIMAP7	0.34382	3.228997	0.00149	0.127983
CD160	0.327272	3.229356	0.001488	0.127952
CARD8	-0.27468	-3.22898	0.00149	0.127983
	-0.24299	-3.22861	0.001492	0.128035
	-0.27292	-3.22816	0.001494	0.12813
SALL2;ZNF219;ANG;ARHGEF40;TMEM55B	-0.41046	-3.22877	0.001491	0.128019
	0.29211	3.228505	0.001492	0.128054
	0.158243	3.228647	0.001492	0.128035
	0.326508	3.228129	0.001494	0.12813
ROR1	-0.43249	-3.22782	0.001496	0.12817
	0.258833	3.22771	0.001496	0.12817
PRKCB;ERN2;ENSG00000260136;COG7	-0.36399	-3.22808	0.001494	0.12813
PTHLH	-0.47907	-3.22747	0.001497	0.12817
ENSG00000267325	-0.42712	-3.22744	0.001498	0.12817
	0.356668	3.227307	0.001498	0.12817
	0.42278	3.22816	0.001494	0.12813
ENSG00000272106;ENSG00000269896;SSU72	0.270903	3.227218	0.001499	0.12817
LYPD3;ZNF221;ZNF235;ZNF428	-0.66806	-3.22747	0.001497	0.12817
LRTOMT;PDE2A;SHANK2	-0.36055	-3.22761	0.001497	0.12817
	0.288925	3.22724	0.001499	0.12817
ST14	-0.60894	-3.22763	0.001497	0.12817
	0.24396	3.226646	0.001501	0.128299
	-0.28827	-3.22719	0.001499	0.12817
BASP1;ENSG00000215196;FAM134B;FBXL7	-0.53326	-3.2267	0.001501	0.128299
	0.331906	3.227011	0.0015	0.128222
	-0.21134	-3.2257	0.001506	0.128392
	0.312465	3.226467	0.001502	0.128344
	0.241865	3.227361	0.001498	0.12817
	0.349011	3.225768	0.001506	0.128388
	0.368031	3.226823	0.001501	0.128276
	-0.34712	-3.22722	0.001499	0.12817
	0.388164	3.226309	0.001503	0.128344
PHLDB1;MPZL3;IFT46;DSCAML1;FXYD2;KMT2A;ENSG00000255 176;TREH;PCSK7	-0.44785	-3.22587	0.001505	0.128381
MAPK11;RABL2B;MAPK12;C22orf34	-0.49526	-3.22621	0.001504	0.128355
	0.171793	3.226297	0.001503	0.128344
MPZL3;TMPRSS13;IL10RA	-0.37178	-3.22608	0.001504	0.128357
PRR4;PRB4;PRB3;PRB1;PRB2;LOH12CR2;MANSC1;GPRC5A;CRE BL2;DUSP16	-0.58198	-3.22636	0.001503	0.128344
	0.262459	3.226127	0.001504	0.128357
S1PR4;MATK;ARRDC5	-0.31118	-3.22536	0.001508	0.128437
ZNF135;ZNF584	0.403655	3.225845	0.001505	0.128381
	0.330368	3.225983	0.001505	0.128374

ARHGAP31;ARHGAP31-AS1;GPR156;RABL3;GTF2E1	-0.36204	-3.22527	0.001508	0.128437
PDPN	-0.42018	-3.22521	0.001509	0.128437
	0.361523	3.225418	0.001508	0.128437
	-0.21502	-3.22529	0.001508	0.128437
ABCA17P;CACNA1H	0.276616	3.224534	0.001512	0.128533
TLE2;C19orf10;FZR1;APBA3	-0.3558	-3.22517	0.001509	0.128437
MCAM	0.456376	3.225401	0.001508	0.128437
	0.387799	3.223975	0.001515	0.128558
	-0.2995	-3.22499	0.00151	0.128462
	-0.21594	-3.22401	0.001515	0.128558
	-0.37704	-3.22432	0.001513	0.128533
	-0.3541	-3.22508	0.001509	0.128448
NFIX	-0.38648	-3.22421	0.001514	0.128537
ANXA2P2	0.37694	3.224456	0.001512	0.128533
	0.316527	3.224773	0.001511	0.128476
	0.23789	3.22486	0.00151	0.128473
	-0.35433	-3.22434	0.001513	0.128533
	0.326325	3.22484	0.00151	0.128473
	0.317254	3.223117	0.001519	0.128762
CLDN7;ACAP1;TXNDC17;CTC1;TNFSF12;ELP5;BCL6B;MPDU1;VA MP2;ARHGEF15;MYH10;ALOX12P2;AURKB;ATP1B2;TNK1	-0.4427	-3.22443	0.001512	0.128533
	0.314477	3.223488	0.001517	0.128713
TEK	0.176432	3.224274	0.001513	0.128533
	0.240182	3.224102	0.001514	0.128555
DHX16;NRM;DDR1;PPP1R18	0.318576	3.22301	0.00152	0.128762
	0.295612	3.223128	0.001519	0.128762
	0.30285	3.223303	0.001518	0.12874
RSPH1;TMPRSS3;C21orf128;ZNF295-AS1;ENSG00000225431;LINC00479;SLC37A1;UMODL1;LINC00111;ABCG1;FAM3B;ENSG00000235772;TFF3;PDE9A;TMPRSS2;C2CD2;WDR4	-0.45088	-3.22142	0.001527	0.129052
C9orf163;UAP1L1;EGFL7;LCNL1;PTGDS;NOTCH1	-0.28424	-3.22365	0.001516	0.128669
	0.29627	3.222151	0.001524	0.12899
ENSG00000223991;PPP1R7;ENSG00000233392;PASK;ENSG00000226321;BOK;KIF1A;SNED1;ENSG00000216921	-0.49807	-3.22248	0.001522	0.12896
AXL;LTBP4;ARHGEF1;PRX;CD79A;GRIK5;TGFB1;DEDD2;B9D2;ENSG00000269353;ADCK4;CEACAM6;CYP2F1;CYP2B7P	-0.35467	-3.22332	0.001518	0.12874
	-0.36646	-3.22242	0.001522	0.12896
	-0.34711	-3.22304	0.001519	0.128762
GDE1;CCP110;TMC5;IQCK;GPRC5B;ENSG00000260681;ENSG00000259925;ENSG00000261195;COQ7	0.282143	3.221874	0.001525	0.129014
CASZ1;APITD1;SLC2A5;ENSG00000234546;ENSG00000272078	-0.39788	-3.22119	0.001529	0.129076
EVI5;BCAR3	-0.45859	-3.22202	0.001524	0.12899
	0.32033	3.221991	0.001525	0.12899

	0.251294	3.222042	0.001524	0.12899
	0.217466	3.220369	0.001533	0.129173
	-0.36534	-3.22228	0.001523	0.12899
PEAR1;NES;ASH1L;LRRC71;MEF2D;SYT11;MTX1;ARHGEF2;HDGF;SLC50A1;SHC1;MUC1;HCN3;LAMTOR2	-0.50747	-3.22148	0.001527	0.129052
	0.309922	3.221457	0.001527	0.129052
	0.354759	3.221467	0.001527	0.129052
C1orf194;GSTM4;STRIP1;GSTM3;GPSM2;CELSR2;CSF1;WDR47	-0.31586	-3.22053	0.001532	0.129173
	0.178443	3.221645	0.001526	0.129052
LRCH1	-0.39309	-3.22209	0.001524	0.12899
	0.285522	3.221797	0.001526	0.129021
	-0.22695	-3.2207	0.001531	0.129156
C1orf168;PPAP2B	0.419416	3.221185	0.001529	0.129076
	-0.38017	-3.22076	0.001531	0.129156
	-0.28046	-3.22134	0.001528	0.129062
FMN1	-0.31056	-3.21943	0.001537	0.1293
	0.405215	3.220423	0.001532	0.129173
NXPH3;LRRC59;COL1A1;UTP18;SAMD14	-0.27069	-3.2204	0.001533	0.129173
	0.373251	3.221088	0.001529	0.129092
	0.457203	3.219553	0.001537	0.1293
ENSG00000224090;STK36;ENSG00000227308;CCDC108	-0.23282	-3.22072	0.001531	0.129156
	0.415772	3.219779	0.001536	0.129291
	-0.17357	-3.21982	0.001536	0.129291
RAB3IL1;C11orf48;LRRN4CL;FADS3;VPS37C;TMEM258;DAK;MYRF;FADS1;TMEM216;TMEM138;FADS2;CYB561A3;SCGB2A1;AHNAK;INTS5	-0.39774	-3.2203	0.001533	0.129173
	0.315967	3.218794	0.001541	0.129343
PLEKHG1	-0.43394	-3.21927	0.001538	0.1293
	-0.28022	-3.22082	0.00153	0.129156
DNAAF2;ENSG00000259071	-0.40799	-3.21994	0.001535	0.129291
	0.311315	3.21922	0.001539	0.1293
	-0.26894	-3.21951	0.001537	0.1293
ENSG00000237234;LAMA4;SLC16A10;ENSG00000226440;ENSG00000270661;ENSG00000271208	-0.43219	-3.21988	0.001535	0.129291
	-0.37364	-3.22036	0.001533	0.129173
	-0.38767	-3.21876	0.001541	0.129343
KIAA0513;C16orf74	-0.32922	-3.21969	0.001536	0.1293
	-0.64925	-3.21935	0.001538	0.1293
	0.286911	3.218825	0.001541	0.129343
	0.279814	3.219302	0.001538	0.1293
	0.355037	3.21924	0.001538	0.1293
	-0.52094	-3.21816	0.001544	0.129496
	0.393398	3.218826	0.001541	0.129343
	0.413169	3.21878	0.001541	0.129343
HERC1	-0.42698	-3.2191	0.001539	0.129324
MTHFD1L	0.339223	3.217349	0.001548	0.129562

TTC9	-0.39321	-3.2176	0.001547	0.129553
	0.203755	3.217973	0.001545	0.129544
	0.357462	3.217489	0.001547	0.129553
	0.461989	3.217926	0.001545	0.129544
	0.3011	3.218284	0.001543	0.129469
NOS2	-0.34875	-3.21834	0.001543	0.129469
FNBP1	-0.31619	-3.21787	0.001545	0.129544
FKBP4	0.285216	3.217141	0.001549	0.129582
	0.285689	3.217125	0.001549	0.129582
	0.282619	3.216719	0.001551	0.129673
	-0.30595	-3.21828	0.001543	0.129469
ZNF438;SVIL	-0.3492	-3.21765	0.001547	0.129553
	0.282612	3.217516	0.001547	0.129553
	0.373858	3.217548	0.001547	0.129553
PKN3;FNBP1;USP20;SET	-0.23051	-3.21609	0.001554	0.129739
	-0.46719	-3.21712	0.001549	0.129582
	0.327774	3.217494	0.001547	0.129553
	-0.33979	-3.21588	0.001556	0.129739
LAD1;PKP1;PTPN7;ENSG00000224818;NAV1	-0.36758	-3.21736	0.001548	0.129562
	0.419237	3.215685	0.001557	0.129739
PYCR2;ITPKB;ENSG00000234478;C1orf95;H3F3A;SRP9	-0.28333	-3.21624	0.001554	0.12973
	0.291142	3.216904	0.00155	0.129625
BAIAP2;PCYT2;SLC25A10	-0.46541	-3.21597	0.001555	0.129739
TTC38	-0.46468	-3.21596	0.001555	0.129739
	0.386745	3.216318	0.001553	0.129722
	0.430213	3.216468	0.001553	0.129709
	-0.42623	-3.21694	0.00155	0.129625
	-0.42037	-3.21664	0.001552	0.129673
	0.297278	3.215329	0.001558	0.129755
	0.335357	3.216612	0.001552	0.129673
ARRDC4	-0.48669	-3.21517	0.001559	0.129755
ENSG00000245904	0.393185	3.216107	0.001554	0.129739
	0.329644	3.215391	0.001558	0.129755
ENSG00000250318	-0.21356	-3.21634	0.001553	0.129722
S100P;KIAA0232;SORCS2;CCDC96;AFAP1;ABLIM2;PSAPL1;AFAP1-AS1	-0.41084	-3.21577	0.001556	0.129739
	0.443844	3.215735	0.001556	0.129739
TMEM204;HN1L;SOX8	0.48993	3.215455	0.001558	0.129755
CCDC88A;RPL23AP32;PSME4;ENSG00000234943;ERLEC1	0.467406	3.214504	0.001563	0.129938
GNG7;MOB3A;ARID3A;HMHA1	-0.54035	-3.21542	0.001558	0.129755
	0.325222	3.215283	0.001559	0.129755
	0.489779	3.215703	0.001556	0.129739
	-0.30426	-3.21496	0.00156	0.129794
	0.238173	3.215332	0.001558	0.129755
	0.395803	3.214322	0.001563	0.129988
CAP1;ZMPSTE24	0.209191	3.215101	0.00156	0.12976
KCNMA1;ENSG00000236467	0.373627	3.215217	0.001559	0.129755

	-0.40645	-3.21359	0.001567	0.130177
GALE;STPG1;RCAN3	0.27448	3.214559	0.001562	0.129938
STAB1	-0.58629	-3.2136	0.001567	0.130177
	-0.21328	-3.21336	0.001568	0.130193
	0.369535	3.21401	0.001565	0.130073
	0.373772	3.214269	0.001564	0.129988
	-0.31536	-3.21332	0.001569	0.130193
SPDYA;WDR43	0.408838	3.21342	0.001568	0.130193
ENSG00000264198;IKZF3	0.304433	3.213256	0.001569	0.130193
	0.273059	3.213609	0.001567	0.130177
	0.282624	3.213269	0.001569	0.130193
LST1;AIF1;CFB;HLA-DRA	-0.33868	-3.21198	0.001576	0.13046
	-0.2478	-3.21293	0.001571	0.130282
LRRC56;C11orf35	-0.49682	-3.21301	0.00157	0.130271
	-0.25488	-3.21285	0.001571	0.130291
TIE1;TMEM125;EBNA1BP2;C1orf210;ST3GAL3;PTPRF;LEPRE1;FAM183A;SLC2A1;ELOVL1	-0.3698	-3.21139	0.001579	0.13046
ERCC4;ABCC6P2;MPV17L;NOMO1	-0.38515	-3.21147	0.001578	0.13046
	-0.20019	-3.21157	0.001578	0.13046
	0.480483	3.212243	0.001574	0.130399
ENSG00000258334;PRPH;KCNH3;LIMA1;TUBA1A;METTL7A;GPD1;SLC11A2;CERS5;TFCP2;DIP2B;FMNL3;TMBIM6;BCDIN3D-AS1;NCKAP5L;ASIC1;SMARCD1	-0.35162	-3.21225	0.001574	0.130399
	0.212853	3.212629	0.001572	0.130331
	0.298646	3.212579	0.001572	0.130331
VSIG2;STT3A;EI24;SIAE;VWA5A	0.23154	3.211856	0.001576	0.13046
FSTL3;OAZ1;ADAMTSL5;MUM1;ATP8B3	0.224288	3.212454	0.001573	0.130359
	0.25469	3.211076	0.00158	0.130479
	-0.26856	-3.21263	0.001572	0.130331
ATXN10;CERK;NUP50	0.443021	3.211566	0.001578	0.13046
	0.340758	3.211345	0.001579	0.13046
	0.245082	3.211288	0.001579	0.13046
	-0.23004	-3.21027	0.001584	0.130614
CHST15	-0.37033	-3.21039	0.001584	0.130612
	0.310172	3.210037	0.001586	0.130642
BRK1;GHRLOS	0.554337	3.211743	0.001577	0.13046
TPPP	0.309022	3.211052	0.00158	0.130479
	-0.51622	-3.21156	0.001578	0.13046
	0.410964	3.211214	0.00158	0.13046
S100A6	0.319326	3.211221	0.001579	0.13046
	0.388028	3.211283	0.001579	0.13046
SELL	0.444988	3.210583	0.001583	0.130606
	0.290659	3.211485	0.001578	0.13046
	0.416078	3.211278	0.001579	0.13046
FGFR2	0.660757	3.210295	0.001584	0.130614
WDR45B;PCYT2;SECTM1;ENSG00000265136;ENSG00000262652;TBCD;LINC00482;P4HB	-0.42091	-3.2102	0.001585	0.130616

ABCA3;ENSG00000260807;TMEM204;UNKL;SOX8;TRAF7;HN1L				
;CCNF	-0.56342	-3.21074	0.001582	0.130587
EIF1	-0.32103	-3.21058	0.001583	0.130606
	0.281159	3.210519	0.001583	0.130606
MLH3	-0.47622	-3.20993	0.001586	0.130642
	-0.36403	-3.20997	0.001586	0.130642
	0.276788	3.209906	0.001586	0.130642
	-0.41338	-3.21046	0.001583	0.130607
	-0.42183	-3.20927	0.00159	0.130767
	0.289562	3.209569	0.001588	0.130737
	-0.45776	-3.20897	0.001591	0.130767
DDI2;EIF1AXP1	-0.36506	-3.20931	0.001589	0.130767
	0.241087	3.209516	0.001588	0.130737
	-0.42142	-3.20923	0.00159	0.130767
	0.338974	3.208587	0.001593	0.130805
LRCH1	-0.46092	-3.20951	0.001588	0.130737
EPCAM;FBXO11;CALM2;ENSG00000260977	-0.37774	-3.20903	0.001591	0.130767
HNRNPA1P2	0.343134	3.20905	0.001591	0.130767
	-0.37656	-3.20878	0.001592	0.130796
FAM83H-AS1;RHPN1-				
AS1;EEF1D;TOP1MT;ARHGAP39;ZNF34;TONSL	-0.26886	-3.20864	0.001593	0.130805
PDGFA;PSMG3;CYP2W1;ENSG00000249574	-0.35487	-3.20888	0.001592	0.130781
	0.258675	3.209101	0.001591	0.130767
	-0.28996	-3.20718	0.001601	0.131059
C6orf106;SNRPC;HMGA1;PHF1;SLC39A7;BAK1	-0.18866	-3.20796	0.001596	0.130925
SUSD1	-0.43254	-3.20872	0.001592	0.130797
	0.294049	3.20804	0.001596	0.130925
	0.158723	3.208078	0.001596	0.130925
ENSG00000262601;KIAA0513;TLDC1	-0.37419	-3.20807	0.001596	0.130925
ZNF564	0.300113	3.208969	0.001591	0.130767
TTBK2;ZNF106;MGA;EPB42;RPS3AP47;CCNDBP1;LTK;NUSAP1;T				
YRO3	-0.4314	-3.20796	0.001596	0.130925
C1orf158;AGTRAP;MTHFR	-0.40238	-3.20766	0.001598	0.130979
	-0.23692	-3.20727	0.0016	0.131045
	0.337549	3.207655	0.001598	0.130979
	0.306143	3.208053	0.001596	0.130925
	0.196645	3.207368	0.0016	0.131045
	-0.48311	-3.20769	0.001598	0.130979
PCDH12;ARAP3	0.589042	3.206677	0.001603	0.131198
DCAF6;ILDR2;DPT	-0.48917	-3.20731	0.0016	0.131045
	0.314648	3.207339	0.0016	0.131045
	-0.25288	-3.20619	0.001606	0.131312
ALOX5AP;LINC00426	0.399231	3.206685	0.001603	0.131198
	0.435413	3.206064	0.001606	0.131312
	0.367242	3.206079	0.001606	0.131312
PDE6B;FGFR3;RNF212;ENSG00000272927;MFSD7;ENSG00000				
212458;ENSG00000273179;ZNF141	-0.60291	-3.20681	0.001602	0.131189

	-0.34178	-3.20589	0.001607	0.131312
PKNOX2;FAM118B	0.292412	3.206413	0.001605	0.131287
	-0.43755	-3.2058	0.001608	0.131325
PNKD;ENSG00000232485;IGFBP2;MARCH4;ENSG00000236295				
;IGFBP5;ARPC2;TNS1	-0.49618	-3.20561	0.001609	0.131345
CCDC141	0.451642	3.206321	0.001605	0.131301
PTGDS;EGFL7;UAP1L1;LCNL1;TUBB4B;AGPAT2	-0.4355	-3.20603	0.001607	0.131312
	-0.32767	-3.20552	0.001609	0.131345
AP2B1;ZNF830	-0.33554	-3.20508	0.001612	0.131444
	0.400074	3.205677	0.001608	0.131345
FENDRR;KIAA0513	-0.3215	-3.20357	0.00162	0.131759
	0.500874	3.205896	0.001607	0.131312
	-0.41231	-3.20535	0.00161	0.131391
TNXB;SLC44A4;NOTCH4;DDAH2;CLIC1;C6orf10;NELFE	0.265952	3.204489	0.001615	0.131537
TSR1	-0.31172	-3.20591	0.001607	0.131312
	-0.34103	-3.20526	0.001611	0.131406
	-0.29593	-3.20465	0.001614	0.131526
TWIST2;RAB17;TRAF3IP1;MLPH;HES6	0.304879	3.203832	0.001618	0.131688
	0.298857	3.205576	0.001609	0.131345
C20orf166-AS1;OSBPL2	-0.36151	-3.20427	0.001616	0.131537
FAM83G;B9D1;MEIS3P2	0.311056	3.204926	0.001612	0.131474
OSBPL3;ENSG00000214870	0.588844	3.204732	0.001613	0.131526
C15orf26;ZFAND6	-0.43437	-3.20436	0.001615	0.131537
GJC1;GPATCH8;RUNDC1;MPP2	0.196201	3.205056	0.001612	0.131444
	-0.43909	-3.20379	0.001618	0.131688
NRXN2;BATF2	-0.25188	-3.20426	0.001616	0.131537
BRE	-0.25639	-3.20329	0.001621	0.131811
ARID3A;HMHA1;PPAP2C;FSTL3;GPX4;SHC2;MOB3A;MISP	-0.27814	-3.20463	0.001614	0.131526
	-0.30016	-3.20442	0.001615	0.131537
	-0.3928	-3.20278	0.001624	0.131899
	0.46303	3.20447	0.001615	0.131537
	-0.26791	-3.20327	0.001621	0.131811
	-0.33642	-3.20345	0.00162	0.131783
LDB2;FBXL5;C1QTNF7	-0.3709	-3.20182	0.001629	0.132114
FLT4;ADAMTS2	-0.24462	-3.20296	0.001623	0.13187
SIPA1L2	-0.42676	-3.20304	0.001622	0.13187
SYNGR2	-0.31466	-3.20209	0.001627	0.132095
ZHX2;TBC1D31;FER1L6-				
AS1;FER1L6;ENSG00000254000;FBXO32;FER1L6-AS2	-0.31073	-3.20295	0.001623	0.13187
	0.388196	3.20199	0.001628	0.132101
	0.251743	3.202174	0.001627	0.132085
	-0.42057	-3.20139	0.001631	0.132223
	-0.51079	-3.20196	0.001628	0.132101
	-0.50498	-3.20268	0.001624	0.131917
	0.408057	3.201845	0.001629	0.132114
	-0.48328	-3.2029	0.001623	0.13187

	-0.52137	-3.20237	0.001626	0.132024
	0.402657	3.201614	0.00163	0.132171
	0.209104	3.201292	0.001632	0.13224
	-0.30918	-3.20086	0.001634	0.132354
	-0.38054	-3.20057	0.001636	0.132404
	0.188142	3.199851	0.001639	0.132539
	0.285522	3.20038	0.001637	0.132418
	-0.40243	-3.20036	0.001637	0.132418
	0.346556	3.200878	0.001634	0.132354
	-0.27166	-3.20016	0.001638	0.132429
	-0.27348	-3.20157	0.00163	0.132171
	0.470015	3.200911	0.001634	0.132354
	0.359485	3.199782	0.00164	0.132544
	-0.42974	-3.20055	0.001636	0.132404
NUAK1	0.331479	3.200526	0.001636	0.132404
	-0.39695	-3.20028	0.001637	0.132423
	0.391689	3.199572	0.001641	0.13255
TRPC1	-0.43033	-3.19888	0.001645	0.132575
IGFBP4;MED24;PLXDC1;MIEN1;ERBB2;PSMB3;PCGF2;RARA;LASP1	-0.43187	-3.19829	0.001648	0.132671
	0.391543	3.200233	0.001637	0.132423
	-0.38942	-3.20051	0.001636	0.132404
BUD31	-0.38555	-3.19919	0.001643	0.132575
	0.298648	3.199536	0.001641	0.13255
	-0.38607	-3.19818	0.001648	0.132671
	-0.36974	-3.19778	0.001651	0.132707
P2RX1;ASPA;ITGAE;P2RX5;ARRB2	-0.2984	-3.1997	0.00164	0.132547
	0.321765	3.199308	0.001642	0.132575
	0.370449	3.199658	0.00164	0.132547
	-0.3174	-3.19906	0.001644	0.132575
	-0.22918	-3.19944	0.001642	0.132568
C11orf49;NDUFS3;KBTBD4;SLC39A13;MTCH2;CELF1	-0.42181	-3.19919	0.001643	0.132575
	0.459842	3.198388	0.001647	0.132671
ADARB2	0.324845	3.199133	0.001643	0.132575
	0.319354	3.198087	0.001649	0.132678
	0.209189	3.198868	0.001645	0.132575
ENSG00000215895	-0.32734	-3.19917	0.001643	0.132575
TTC40;KNDC1;LRRC27;TUBGCP2;PWWP2B;INPP5A;STK32C;BNIP3	-0.22297	-3.19816	0.001649	0.132671
	-0.35684	-3.19893	0.001644	0.132575
LRRC59	-0.34792	-3.19884	0.001645	0.132575
	-0.28295	-3.1982	0.001648	0.132671
	-0.25866	-3.19761	0.001651	0.132707
EPCAM;ENSG00000260977;CALM2;MSH2	-0.46973	-3.19859	0.001646	0.132662
	0.384082	3.198284	0.001648	0.132671
LARP6;THAP10;GLCE;LRRC49	-0.39947	-3.1979	0.00165	0.132707
PYHIN1;AIM2;LY9;SLAMF1;CD84;FCRL6;SLAMF6;CD244	-0.23871	-3.19756	0.001652	0.132707

	-0.36853	-3.19756	0.001652	0.132707
	-0.55414	-3.19745	0.001652	0.132707
	-0.29892	-3.1983	0.001648	0.132671
RALGAPA2	-0.40826	-3.19801	0.001649	0.132687
	-0.24456	-3.19686	0.001656	0.132836
	-0.33656	-3.19751	0.001652	0.132707
TOMM40	-0.3156	-3.19761	0.001651	0.132707
KDM1A	-0.37225	-3.1969	0.001655	0.132836
PIK3CD	-0.38445	-3.19712	0.001654	0.132825
	0.317325	3.197015	0.001655	0.132825
	0.399201	3.197478	0.001652	0.132707
	0.282054	3.197002	0.001655	0.132825
ZNF423;NKD1;ENSG00000260029;ENSG00000205414	-0.3566	-3.19622	0.001659	0.132991
	-0.29446	-3.1967	0.001656	0.132882
	-0.31345	-3.19647	0.001658	0.132931
	-0.39443	-3.19588	0.001661	0.13306
KDM1B;RBM24;STMND1;CAP2;GMPR;FAM8A1	-0.41752	-3.1956	0.001662	0.13306
WDR45B;NOTUM;PCYT2;LRRC45;TMEM105;NARF	-0.40041	-3.19561	0.001662	0.13306
	0.352177	3.195823	0.001661	0.13306
	-0.39996	-3.19623	0.001659	0.132991
	0.417034	3.196481	0.001658	0.132931
NUAK2;PLEKHA6;PIK3C2B;CNTN2;CDK18;MDM4	0.443403	3.195261	0.001664	0.133111
	0.361806	3.195871	0.001661	0.13306
CRTC3;MFGE8;KIF7;CIB1;WDR93;PEX11A	-0.23094	-3.19443	0.001669	0.133219
SCAMP2;COX5A	-0.33882	-3.19487	0.001666	0.133202
	-0.38406	-3.19525	0.001664	0.133111
	-0.46398	-3.19525	0.001664	0.133111
GTPBP4	-0.4332	-3.1957	0.001662	0.13306
	0.460131	3.195601	0.001662	0.13306
HOXD-AS1;ENSG00000230552;HOXD3	-0.28632	-3.19445	0.001669	0.133219
	0.384572	3.195327	0.001664	0.133111
	0.266837	3.19463	0.001668	0.133219
	-0.34217	-3.19572	0.001662	0.13306
	0.301156	3.195177	0.001665	0.133119
	0.403369	3.19431	0.001669	0.133247
	-0.55231	-3.19502	0.001666	0.133161
MCM5;APOL2;APOL3;MB;APOL1;HMOX1	-0.33931	-3.19452	0.001668	0.133219
PPOX;CCDC19;PCP4L1;USP21;KLHDC9	-0.30606	-3.19452	0.001668	0.133219
	0.285708	3.194672	0.001667	0.133219
	-0.25767	-3.19448	0.001668	0.133219
	0.339449	3.193568	0.001673	0.133521
RBMS2;LRP1;NAB2;ARHGEF25;MARS	0.233144	3.193609	0.001673	0.133521
CEP89;DPY19L3;RHPN2;KCTD15;ENSG00000266930	-0.43087	-3.19294	0.001677	0.133689
CAV2	-0.54919	-3.19319	0.001676	0.133663
	-0.34855	-3.19227	0.001681	0.13384
GIT2;PPTC7	-0.30688	-3.19224	0.001681	0.13384
	-0.60515	-3.19307	0.001676	0.133668

	0.151302	3.192015	0.001682	0.133846
	0.283385	3.19221	0.001681	0.13384
	-0.33334	-3.19306	0.001676	0.133668
	-0.32092	-3.1929	0.001677	0.133689
	0.449583	3.192309	0.00168	0.13384
	0.162713	3.19271	0.001678	0.133746
	0.41667	3.192308	0.00168	0.13384
PAXBP1-AS1	-0.27627	-3.19205	0.001682	0.133846
	-0.30887	-3.19193	0.001682	0.133846
MRPS15;AGO3	-0.41909	-3.19191	0.001683	0.133846
USP44;FGD6;NR2C1	-0.42633	-3.19101	0.001687	0.134165
NBEA;SMAD9;DCLK1	0.556964	3.191744	0.001683	0.133894
	0.33417	3.190528	0.00169	0.134276
	-0.35891	-3.19089	0.001688	0.134194
	0.346192	3.192068	0.001682	0.133846
	0.239588	3.191586	0.001684	0.133938
ENSG00000206113	-0.40034	-3.18996	0.001693	0.134347
	0.200338	3.190752	0.001689	0.134228
	0.329597	3.190285	0.001691	0.134325
	0.622282	3.189618	0.001695	0.134388
	-0.27026	-3.19054	0.00169	0.134276
	0.179214	3.190058	0.001693	0.134347
	0.251315	3.189864	0.001694	0.134347
	-0.25502	-3.18953	0.001696	0.134388
	-0.42922	-3.19025	0.001692	0.134325
TNS1;CXCR2;CTDSP1;WNT6	-0.51082	-3.19	0.001693	0.134347
	-0.54202	-3.18967	0.001695	0.134388
	-0.31108	-3.18943	0.001696	0.134388
	0.37524	3.18994	0.001693	0.134347
	0.386098	3.189421	0.001696	0.134388
	0.360301	3.189856	0.001694	0.134347
	-0.24147	-3.19031	0.001691	0.134325
	-0.41901	-3.18901	0.001698	0.134449
	-0.26384	-3.18864	0.001701	0.134539
GTF3C2;PPM1G	0.275332	3.188623	0.001701	0.134539
RCSD1;TBX19;CD247	-0.52416	-3.18912	0.001698	0.134449
ENSG00000224049;TPRG1;ENSG00000213132;MASP1	-0.44341	-3.18663	0.001712	0.134798
RSPH3;SYTL3;EZR;DYNLT1;C6orf99;ZDHHC14;ENSG0000021307 6;FNDC1	-0.71967	-3.18953	0.001696	0.134388
ENSG00000251603;FAM160A1	-0.34176	-3.18785	0.001705	0.134659
IL10RA;TMPRSS4;PHLDB1;KMT2A	0.32392	3.189115	0.001698	0.134449
PSME4;CCDC88A	-0.51987	-3.189	0.001699	0.134449
RPGRIP1L;CRNDE;IRX3;FTO;FTO-IT1;ENSG00000260194;IRX5;RBL2	-0.451	-3.18737	0.001708	0.134727
	0.390479	3.188062	0.001704	0.134647
ZNF808	-0.296	-3.18846	0.001702	0.134587
	0.417647	3.188677	0.0017	0.134539

CLEC14A	0.42884	3.189056	0.001698	0.134449
FGFR4;TMED9	-0.35919	-3.1882	0.001703	0.134625
	-0.30315	-3.18778	0.001705	0.134659
ENSG00000261716;CTSK;PLEKHO1;C1orf54	0.251755	3.187128	0.001709	0.134797
	0.357607	3.188336	0.001702	0.13459
	0.240185	3.187789	0.001705	0.134659
	0.322881	3.188035	0.001704	0.134647
	0.393441	3.187575	0.001706	0.1347
	0.485255	3.188355	0.001702	0.13459
P4HA1;CHST3;TTC18;SLC29A3;MRPS16;ANAPC16	-0.25904	-3.18668	0.001711	0.134798
ZNF618;ATP6V1G1;BSPRY;COL27A1	-0.30259	-3.18764	0.001706	0.134698
ARID3A;HMHA1;GPX4;PPAP2C;REEP6	-0.31872	-3.18785	0.001705	0.134659
TPRG1;ENSG00000224049;TP63	-0.35422	-3.18663	0.001712	0.134798
	0.336589	3.187504	0.001707	0.134706
	0.23399	3.186988	0.00171	0.134798
	0.347999	3.186334	0.001713	0.134798
	0.272797	3.187343	0.001708	0.134727
	-0.34989	-3.18662	0.001712	0.134798
	0.533743	3.185319	0.001719	0.134996
	0.279081	3.186553	0.001712	0.134798
GNG7;OAZ1;GPX4;ADAMTSL5;R3HDM4	-0.34763	-3.18623	0.001714	0.134821
GRIN2A	-0.24888	-3.18675	0.001711	0.134798
	0.327831	3.18635	0.001713	0.134798
	0.264574	3.185933	0.001716	0.134883
	-0.36799	-3.18702	0.00171	0.134798
PFKP;KLF6	-0.55757	-3.18676	0.001711	0.134798
SMO;AHCYL2;HILPDA;UBE2H;IRF5;KLHDC10;FLNC;CCDC136	-0.57902	-3.18662	0.001712	0.134798
ZNF19;ENSG00000262890;ENSG00000259833;HYDIN;ENSG000				
00260156;CHST4;ENSG00000259798;MTSS1L;ENSG000002473				
24;IL34;PMFBP1;ENSG00000260015	-0.40557	-3.18586	0.001716	0.134883
	0.422077	3.185885	0.001716	0.134883
	0.285525	3.186362	0.001713	0.134798
	-0.2746	-3.18472	0.001722	0.135161
	-0.43497	-3.18556	0.001718	0.134967
CARD8;FUT2;PRRG2;PLA2G4C;TEAD2;CYTH2;SEPW1	-0.40725	-3.18615	0.001714	0.134829
TMCC2	-0.35616	-3.18635	0.001713	0.134798
ADAMTSL2;SARDH;GBGT1;MED22;SURF2	-0.50949	-3.18572	0.001717	0.134921
LAMA4;ENSG00000237234;ENSG00000271208;ENSG0000022				
6440;SLC16A10;ENSG00000270661;ENSG00000255389;FYN	-0.49284	-3.18525	0.001719	0.135002
ITGB7	-0.22369	-3.18482	0.001722	0.135143
	-0.39073	-3.18532	0.001719	0.134996
	0.403161	3.185124	0.00172	0.135033
PTCH1;ENSG00000271314	-0.44585	-3.18416	0.001726	0.135326
	0.386286	3.185332	0.001719	0.134996
	0.41208	3.18442	0.001724	0.135269

	-0.14109	-3.18338	0.00173	0.135481
	-0.26403	-3.18362	0.001729	0.135422
	-0.21504	-3.18257	0.001735	0.135561
	0.371367	3.183949	0.001727	0.135352
PITPNM1;GSTP1;CST6;CD248;SF3B2;CCS;BANF1;ALDH3B2;FIBP; CDK2AP2;CCDC87;YIF1A;EFEMP2;CTSF;TBC1D10C;RBM14;PELI 3	-0.4418	-3.18298	0.001732	0.13553
MRGPRF;ALDH3B2;UNC93B1;CDK2AP2;GSTP1	-0.29943	-3.18343	0.00173	0.135481
	-0.34023	-3.18412	0.001726	0.135326
	-0.49885	-3.18401	0.001726	0.135352
CTTN	-0.43295	-3.18314	0.001731	0.135513
	0.298287	3.182245	0.001736	0.135583
	0.281603	3.183079	0.001732	0.135513
PDCD6;TPPP;LPCAT1;TRIP13;NKD2;AHRR;SDHA	-0.48233	-3.18365	0.001728	0.135422
NAP1L4;CARS;TSSC2;ENSG00000255367	-0.37467	-3.18412	0.001726	0.135326
CSMD1	0.363416	3.183132	0.001731	0.135513
	-0.50961	-3.18262	0.001734	0.135561
	0.416473	3.183668	0.001728	0.135422
	0.324229	3.182805	0.001733	0.135558
PSMG3;GPR146;CHST12;GPER1;ENSG00000176349	-0.45763	-3.18321	0.001731	0.135513
ICOSLG	-0.27143	-3.18264	0.001734	0.135561
	0.139933	3.18275	0.001734	0.135558
	-0.39341	-3.18287	0.001733	0.135556
	0.230162	3.182519	0.001735	0.135561
SEMA7A	-0.28239	-3.18244	0.001735	0.135567
	-0.26419	-3.18239	0.001736	0.135567
	0.304065	3.181983	0.001738	0.13565
	0.239787	3.180847	0.001744	0.135924
	0.383572	3.181293	0.001742	0.135924
	0.350115	3.182031	0.001738	0.13565
	0.258207	3.181235	0.001742	0.135924
	0.275573	3.180885	0.001744	0.135924
PARS2;TMEM59;TCEANC2	0.371475	3.180782	0.001745	0.135924
	-0.42195	-3.18229	0.001736	0.135583
	-0.29948	-3.18119	0.001742	0.135924
	0.376836	3.180951	0.001744	0.135924
ACAP1;CLEC10A	0.236067	3.180607	0.001746	0.135924
	0.219871	3.180841	0.001744	0.135924
MFSD4;NUAK2;RAB7L1;RNU6-418P	-0.35746	-3.1794	0.001753	0.136224
	-0.41447	-3.18029	0.001748	0.136004
	0.332388	3.180587	0.001746	0.135924
	-0.25679	-3.18056	0.001746	0.135924
ANTXRLP1	0.240401	3.179911	0.00175	0.136096
	0.258503	3.181017	0.001743	0.135924
	-0.27682	-3.18003	0.001749	0.136067
	-0.21177	-3.18052	0.001746	0.135924
EHBP1;B3GNT2	-0.36927	-3.17939	0.001753	0.136224

	0.299587	3.179347	0.001753	0.136224
SKA3	0.645213	3.177218	0.001765	0.136796
	0.418536	3.179341	0.001753	0.136224
	0.416243	3.180655	0.001745	0.135924
	-0.51825	-3.18058	0.001746	0.135924
	-0.43991	-3.17977	0.00175	0.136135
C6orf132;TRERF1;MED20	-0.36507	-3.18013	0.001748	0.136048
	-0.30121	-3.17813	0.00176	0.136571
	0.313054	3.179054	0.001755	0.136327
EIF5;BAG5	0.322241	3.178035	0.00176	0.136571
	-0.25354	-3.17878	0.001756	0.136379
	0.392063	3.17877	0.001756	0.136379
MAPK11;MAPK12;ENSG00000213279;C22orf34;CRELD2	-0.41113	-3.17886	0.001756	0.136379
PKNOX2;FEZ1;ENSG00000272981;DCPS	0.366374	3.178003	0.001761	0.136571
HAAO	0.343781	3.178658	0.001757	0.136404
	0.402115	3.178421	0.001758	0.136484
ENSG00000214784	0.342821	3.177773	0.001762	0.136648
SCARF1	-0.33039	-3.17724	0.001765	0.136796
PIGV;HMGN2;NUDC;UBXN11;ZDHHC18	-0.34077	-3.17749	0.001763	0.136723
SLFN13;ENSG00000266947;GAS2L2;ENSG00000267566;ENSG0				
0000266956;LIG3;MMP28;RASL10B;RAD51D;ENSG000002241				
13;MYO19;NLE1	-0.42743	-3.17569	0.001774	0.137075
	0.315673	3.178058	0.00176	0.136571
ENOPH1	0.228036	3.177681	0.001762	0.136664
CPXM2;LHPP;CTBP2	-0.52427	-3.1767	0.001768	0.136912
GNG7;TCF3;MBD3;GAMT;SF3A2	-0.39773	-3.17708	0.001766	0.136832
	0.411009	3.176798	0.001767	0.136908
	0.293026	3.17645	0.001769	0.136915
	0.397122	3.176277	0.00177	0.136916
ZNF670	0.321439	3.176225	0.001771	0.136916
ARID5A;CIAO1;KANSL3;ENSG00000273305	0.526652	3.176851	0.001767	0.136908
	-0.29269	-3.17633	0.00177	0.136916
	-0.25293	-3.17648	0.001769	0.136915
	-0.46789	-3.17662	0.001768	0.136912
ARL4C;AGAP1-IT1	-0.41119	-3.17477	0.001779	0.137235
	0.304047	3.175413	0.001775	0.137075
	-0.30831	-3.1765	0.001769	0.136915
	0.499301	3.176646	0.001768	0.136912
	0.3806	3.175491	0.001775	0.137075
GLIS2;CDIP1;SRL;GLYR1;CORO7;SMIM22;ALG1;CLUAP1;ENSG0				
0000262686	0.366286	3.175647	0.001774	0.137075
RAB7L1;ENSG00000240710;LRRN2	-0.52876	-3.17634	0.00177	0.136916
	-0.48883	-3.17575	0.001773	0.137075
BAI1;FAM83H-AS1	-0.32957	-3.17508	0.001777	0.137152
PARVB;BIK;MCAT;TTLL12;NFAM1	-0.48798	-3.17486	0.001779	0.137226

FKBP10;ATP6V0A1;STAT5B;MLX;KRT23;KRT20;COASY;KRT42P;P				
TRF;KRT12;TMEM99;TTC25;ACLY;STAT5A;KRT10;GHDC	0.361488	3.175496	0.001775	0.137075
	0.280496	3.175117	0.001777	0.137152
ALDH1A3	-0.29833	-3.17537	0.001776	0.137075
LRRC59;ABI3	0.250761	3.175627	0.001774	0.137075
S100P;KIAA0232	0.270772	3.174661	0.00178	0.137242
	0.331156	3.174733	0.001779	0.137235
	0.298334	3.175398	0.001776	0.137075
	-0.33894	-3.17284	0.00179	0.137414
	0.352304	3.173812	0.001785	0.13732
	0.435992	3.174496	0.001781	0.137291
SPON1;COPB1;FAR1	-0.1975	-3.17426	0.001782	0.13732
	-0.34063	-3.17406	0.001783	0.13732
	0.352476	3.17394	0.001784	0.13732
	0.318099	3.173989	0.001784	0.13732
	0.309429	3.172959	0.00179	0.137414
ITSN2	-0.33915	-3.17393	0.001784	0.13732
HOXB4;CALCOCO2;MIR10A;ABI3;HOXB3;HOXB-				
AS2;PRR15L;HOXB6;HOXB-AS3;TBKBP1;GNGT2	-0.33349	-3.17389	0.001784	0.13732
GPR132;NUDT14	0.303321	3.174051	0.001783	0.13732
	0.329074	3.173803	0.001785	0.13732
CPSF3;ENSG00000236008	-0.40797	-3.17278	0.001791	0.137414
	0.332611	3.173493	0.001787	0.137327
	-0.23761	-3.17364	0.001786	0.137327
ENSG00000267439;ZNF569	-0.38839	-3.17327	0.001788	0.137363
	-0.49958	-3.17398	0.001784	0.13732
	-0.52904	-3.17354	0.001786	0.137327
	-0.4606	-3.17391	0.001784	0.13732
	0.327688	3.173473	0.001787	0.137327
	0.393297	3.173765	0.001785	0.13732
	0.429387	3.172325	0.001793	0.137415
ENSG00000223745	-0.23131	-3.17328	0.001788	0.137363
EXOSC2	-0.33838	-3.17218	0.001794	0.137415
C9orf139;LCNL1	-0.32972	-3.17323	0.001788	0.137363
FLI1;ARHGAP32;ETS1;TMEM45B	0.395172	3.172183	0.001794	0.137415
	-0.23145	-3.17219	0.001794	0.137415
ENSG00000251537	-0.34331	-3.17266	0.001791	0.137414
ARHGAP9;METTL1;ENSG00000224713	0.154714	3.171296	0.001799	0.137634
	0.2637	3.172527	0.001792	0.137415
	-0.34734	-3.17277	0.001791	0.137414
	0.457493	3.17349	0.001787	0.137327
	0.270273	3.17295	0.00179	0.137414
HCK;C20orf112	-0.29121	-3.17221	0.001794	0.137415
	0.23954	3.172377	0.001793	0.137415
TMPRSS2;SLC37A1;RIPK4	-0.34795	-3.17103	0.001801	0.137727
	0.316683	3.17283	0.00179	0.137414

SHANK2	0.29205	3.170947	0.001801	0.137741
ENSG00000224570;ENSG00000226891;SGIP1;MIR101-1;WDR78;TCTEX1D1;LEPR	-0.42449	-3.17262	0.001792	0.137414
LAMA2	-0.46599	-3.17174	0.001797	0.137534
	0.3141	3.172708	0.001791	0.137414
	0.41043	3.172102	0.001795	0.137421
	-0.19251	-3.17217	0.001794	0.137415
	0.277076	3.170617	0.001803	0.13779
	-0.34072	-3.17156	0.001798	0.137565
	0.299497	3.171568	0.001798	0.137565
	-0.23844	-3.17078	0.001802	0.137765
SCARNA10	-0.27514	-3.17086	0.001802	0.137754
TMC4;CACNG6	-0.33919	-3.17199	0.001795	0.137448
	0.311458	3.171474	0.001798	0.137579
	-0.28446	-3.17047	0.001804	0.137833
MZB1;ECSCR;TMEM173	-0.48577	-3.16932	0.001811	0.137973
	0.300917	3.17011	0.001806	0.137943
	0.263572	3.16964	0.001809	0.137973
	0.270705	3.16988	0.001808	0.137973
	0.365799	3.169343	0.001811	0.137973
ADCK4;AXL;LTBP4;B9D2;TGFB1;CYP2G2P;EXOSC5;CYP2S1;CYP2F1;ATP5SL;ITPKC;ZNF546	-0.36941	-3.17068	0.001803	0.137788
CCDC173;BBS5;ENSG00000226072;LRP2	-0.38545	-3.16979	0.001808	0.137973
	0.440503	3.170162	0.001806	0.137943
	-0.22977	-3.16974	0.001808	0.137973
TNRC6C-AS1	0.327663	3.169478	0.00181	0.137973
	-0.27008	-3.16927	0.001811	0.137973
	0.340261	3.169631	0.001809	0.137973
	0.350766	3.169293	0.001811	0.137973
CDIP1	-0.50408	-3.16978	0.001808	0.137973
	0.32281	3.169698	0.001809	0.137973
	0.164952	3.169243	0.001811	0.137973
EHF;CAPRIN1;ELF5	-0.41214	-3.1693	0.001811	0.137973
CLDN7	0.34812	3.169178	0.001812	0.137973
	0.260861	3.169165	0.001812	0.137973
	0.230974	3.168594	0.001815	0.138106
PPIF	-0.26806	-3.16873	0.001814	0.138093
	0.334773	3.16768	0.001821	0.138233
	0.398774	3.16767	0.001821	0.138233
	-0.32748	-3.16827	0.001817	0.138223
	0.282861	3.168051	0.001818	0.138233
PCBP1-AS1;DYSF;SNRPG	-0.30895	-3.16874	0.001814	0.138093
PEX6	-0.47346	-3.16866	0.001815	0.138101
PCSK2	0.301196	3.167997	0.001819	0.138233
MIR4664;FAM83H-AS1;BAI1;FAM83H	0.421237	3.168223	0.001817	0.138223
	-0.208	-3.16893	0.001813	0.138055
	-0.50912	-3.16782	0.00182	0.138233

	-0.28671	-3.16622	0.001829	0.138555
	0.190405	3.167653	0.001821	0.138233
	0.17865	3.167267	0.001823	0.138357
	-0.30015	-3.1669	0.001825	0.138395
FNIP2;RAPGEF2	0.501824	3.167835	0.00182	0.138233
ESRP2	0.302524	3.167875	0.001819	0.138233
	0.38589	3.167444	0.001822	0.138302
	0.368298	3.167983	0.001819	0.138233
	-0.52455	-3.16614	0.00183	0.138555
	-0.59282	-3.16768	0.001821	0.138233
	-0.54581	-3.16686	0.001826	0.138395
	0.260518	3.166696	0.001826	0.138435
	-0.24657	-3.16697	0.001825	0.138395
	-0.32778	-3.1669	0.001825	0.138395
LST1	-0.30111	-3.16711	0.001824	0.138377
	-0.36793	-3.16713	0.001824	0.138377
PTGDS;LCNL1	-0.45723	-3.16561	0.001833	0.138557
	0.352817	3.166052	0.00183	0.138557
	0.326229	3.166656	0.001827	0.138435
	-0.2403	-3.16557	0.001833	0.138557
TAOK3;KSR2	0.491563	3.165688	0.001832	0.138557
ASPA;TRPV3	-0.30747	-3.16646	0.001828	0.1385
	-0.30582	-3.16516	0.001836	0.138577
	-0.38485	-3.1657	0.001832	0.138557
CLSTN3;CD163L1;CD27;C1R;C1S;IFFO1;RBP5;SCNN1A	0.388642	3.165909	0.001831	0.138557
	0.414706	3.166117	0.00183	0.138555
ZNF607;SPINT2;PPP1R14A;MAP4K1;ENSG00000266916;FBXO17;PSMD8	-0.3826	-3.16567	0.001833	0.138557
	0.437519	3.16614	0.00183	0.138555
	0.2347	3.165332	0.001835	0.138577
	-0.50138	-3.16533	0.001835	0.138577
	-0.2242	-3.16476	0.001838	0.138648
	-0.3528	-3.16392	0.001843	0.138842
SH3BP2;ENSG00000248399;ENSG00000206113;RNF212;ENSG00000249428	-0.49119	-3.16577	0.001832	0.138557
	-0.29545	-3.16488	0.001837	0.138622
WDR66	-0.32591	-3.16561	0.001833	0.138557
	-0.32899	-3.16527	0.001835	0.138577
SEMA5A;ENSG00000251370;MARCH6	-0.30088	-3.16599	0.001831	0.138557
	-0.27622	-3.16516	0.001836	0.138577
ZNF462	0.427501	3.165439	0.001834	0.138577
	0.354201	3.164335	0.00184	0.138792
	-0.37541	-3.16467	0.001839	0.138667
KCNMB1	-0.28468	-3.16492	0.001837	0.138622
CYP2W1	-0.42488	-3.16514	0.001836	0.138577
STPG1;RCAN3;IL22RA1;ID3	-0.4249	-3.16399	0.001843	0.138842
	-0.33782	-3.16337	0.001846	0.139005

	0.240858	3.164916	0.001837	0.138622
	-0.41607	-3.16427	0.001841	0.138798
	-0.34397	-3.16417	0.001841	0.138819
CALM2;EPCAM	-0.29228	-3.1641	0.001842	0.138823
	0.280086	3.163155	0.001848	0.13904
	0.303731	3.163625	0.001845	0.138941
DDX18P5;ENSG00000272412	0.356506	3.162469	0.001852	0.139242
	0.276075	3.162876	0.001849	0.139107
	-0.35638	-3.16226	0.001853	0.139294
	-0.30462	-3.1639	0.001843	0.138842
DBI	-0.34975	-3.16338	0.001846	0.139005
TUBGCP3;F10	-0.56108	-3.16328	0.001847	0.139023
	0.391856	3.163133	0.001848	0.13904
	0.257426	3.16187	0.001855	0.139314
	0.351057	3.162065	0.001854	0.139294
	-0.49524	-3.16293	0.001849	0.139107
	-0.32631	-3.16202	0.001854	0.139294
	-0.26477	-3.1621	0.001854	0.139294
ADAMTS2;COL23A1;DBN1;ZNF354C;PDLIM7;PRR7;RMND5B	0.366027	3.161118	0.00186	0.139534
PPP4R1	-0.4952	-3.1627	0.00185	0.139162
	-0.23944	-3.16182	0.001856	0.139314
	0.437248	3.161276	0.001859	0.139487
VDAC1	0.22714	3.161973	0.001855	0.139294
	0.562123	3.162069	0.001854	0.139294
	0.260208	3.162245	0.001853	0.139294
	-0.27995	-3.1606	0.001863	0.139568
	0.416574	3.161762	0.001856	0.139316
	-0.36236	-3.16042	0.001864	0.139568
CIR1;WIPF1;CHN1	-0.44907	-3.16017	0.001866	0.139619
	-0.39313	-3.16057	0.001863	0.139568
	0.188395	3.160462	0.001864	0.139568
	0.33703	3.161332	0.001859	0.139486
	0.287119	3.160262	0.001865	0.139603
	-0.31991	-3.16091	0.001861	0.139568
	-0.30854	-3.16067	0.001863	0.139568
ENSG00000235858	0.239346	3.160593	0.001863	0.139568
	0.384489	3.16046	0.001864	0.139568
	-0.44674	-3.15954	0.001869	0.139789
HLA-K;HCG4P7;HLA-H	0.286831	3.160398	0.001864	0.139568
TBC1D10C;YIF1A;GSTP1	-0.28309	-3.16058	0.001863	0.139568
	0.319736	3.160393	0.001864	0.139568
GPR132;KIAA0125;IGHG1;PLD4	-0.17836	-3.15877	0.001874	0.139911
	0.173174	3.158713	0.001874	0.139911
UAP1;C1orf110;ENSG00000230739;C1orf192;C1orf226;SDHC	-0.4449	-3.15964	0.001869	0.139789
FZD4;SYTL2	0.349716	3.160488	0.001864	0.139568

	-0.2747	-3.15922	0.001871	0.139816
TNKS	0.259748	3.159942	0.001867	0.139699
EDAR	0.56684	3.159055	0.001872	0.139856
	-0.21354	-3.1595	0.00187	0.139789
ENSG00000260604;FARS2;ECI2	-0.46584	-3.15945	0.00187	0.139789
	0.392525	3.159419	0.00187	0.139789
	0.414575	3.158888	0.001873	0.139883
ENSG00000235505;CASP12	0.376207	3.159447	0.00187	0.139789
	-0.57468	-3.15857	0.001875	0.139913
	0.169554	3.157111	0.001884	0.140225
	-0.23056	-3.15818	0.001878	0.139995
HTRA3	0.316932	3.159197	0.001871	0.139816
	-0.34269	-3.15926	0.001871	0.139816
	0.27466	3.158022	0.001879	0.140031
	-0.36579	-3.15866	0.001875	0.139911
	0.515792	3.157831	0.00188	0.140045
	-0.38932	-3.15855	0.001875	0.139913
	0.39277	3.158376	0.001876	0.139944
RAMP3;CCM2;NACAD;ADCY1;IGFBP3	-0.27052	-3.15679	0.001886	0.140273
	0.223846	3.158156	0.001878	0.139995
MEGF6	-0.43373	-3.15893	0.001873	0.139883
	-0.26058	-3.15762	0.001881	0.140074
SLC9A3;ENSG00000188242;CEP72	0.509649	3.158409	0.001876	0.139944
	-0.28729	-3.15761	0.001881	0.140074
	-0.27916	-3.15763	0.001881	0.140074
	0.377098	3.157898	0.001879	0.140038
	0.224752	3.15684	0.001886	0.140273
ENSG00000223991;ENSG00000233392	0.20018	3.157273	0.001883	0.140176
HRH1	-0.37014	-3.15608	0.00189	0.140303
	0.392502	3.156511	0.001888	0.140284
ENTPD1	0.225504	3.156229	0.001889	0.140284
	0.311143	3.15699	0.001885	0.140256
ZNF423;NKD1;ENSG00000261685;ENSG00000205414;ENSG00000260029	0.331116	3.156413	0.001888	0.140284
C22orf34;MAPK12;ENSG00000235111;ENSG00000213279;MAPK11;SHANK3	-0.32046	-3.15624	0.001889	0.140284
	0.47221	3.157921	0.001879	0.140038
	-0.37301	-3.15751	0.001882	0.140093
	0.370167	3.155775	0.001892	0.140367
	-0.4387	-3.15651	0.001888	0.140284
	0.54545	3.156518	0.001888	0.140284
LTB;C4A;TAP2;GPSM3	-0.40309	-3.1569	0.001885	0.140271
UBE2Q2P1;AGBL1	-0.4128	-3.15522	0.001896	0.140472
	0.293001	3.155725	0.001893	0.140367
FMO5;CHD1L	0.342535	3.15628	0.001889	0.140284
	0.34043	3.156352	0.001889	0.140284
	0.303375	3.156132	0.00189	0.140303

RNF141;EIF4G2;MRVI1	-0.30449	-3.15654	0.001888	0.140284
	1.204758	3.156378	0.001889	0.140284
	0.418999	3.155695	0.001893	0.140367
	0.252407	3.154912	0.001898	0.140539
	-0.29303	-3.1558	0.001892	0.140367
JHDM1D-AS1;DENND2A	0.365495	3.153843	0.001904	0.140661
	-0.29937	-3.15435	0.001901	0.140561
	0.259503	3.155394	0.001895	0.140444
	-0.25111	-3.15523	0.001896	0.140472
	0.622988	3.154787	0.001898	0.140539
	0.297732	3.155657	0.001893	0.140367
	0.388533	3.154659	0.001899	0.140554
	0.239996	3.154328	0.001901	0.140561
IBA57;WNT9A;ENSG00000270110;GJC2;CCSAP;OBSCN;ENSG00000269890	-0.26552	-3.15508	0.001897	0.140513
	0.269162	3.154497	0.0019	0.14056
HN1L;TMEM204;UNKL;IL32;CACNA1H;ENSG00000260051;PAQR4;ABCA3;ENSG00000205890;PDPK1;TPSD1;CCDC64B;IFT140;ENSG00000262370;PRSS22;HAGH;HCFC1R1	-0.43003	-3.15476	0.001899	0.140539
SRP14-AS1;MGA;NUSAP1;BUB1B;CASC5	-0.40682	-3.15455	0.0019	0.14056
	0.343027	3.155616	0.001893	0.140367
WDR63;DDAH1;LPAR3;MIR4423;CTBS;C1orf52;MCOLN3;ENSG00000233008;GNG5;TTLL7	-0.33475	-3.15317	0.001908	0.14073
PLEKHG2;FBXO17	-0.32453	-3.15486	0.001898	0.140539
SLC39A3	-0.39075	-3.15481	0.001898	0.140539
TNXB;NOTCH4;SLC44A4;GPSM3;DDR1	-0.27913	-3.15428	0.001901	0.140561
	-0.55712	-3.15263	0.001912	0.140756
IFI27	-0.50689	-3.15379	0.001904	0.140661
	0.273798	3.154618	0.001899	0.140554
FGFR2	0.526268	3.153163	0.001908	0.14073
	0.301142	3.153979	0.001903	0.14065
	0.353783	3.15374	0.001905	0.140661
	0.240386	3.153249	0.001908	0.14073
TG	-0.30922	-3.15431	0.001901	0.140561
	-0.28735	-3.15408	0.001903	0.140626
SPEF2;TTC23L;ENSG00000248969;ENSG00000272323;RPL21P54;SLC45A2;DNAJC21	-0.40952	-3.153	0.001909	0.140739
	-0.21058	-3.15277	0.001911	0.140739
TTN	-0.30228	-3.15288	0.00191	0.140739
	-0.37431	-3.15205	0.001915	0.140822
	0.292798	3.152506	0.001912	0.140762
	0.328084	3.153438	0.001907	0.14073
	-0.32043	-3.15363	0.001905	0.140686
SARDH;SLC2A6;GBGT1;GTF3C5	-0.32715	-3.15299	0.001909	0.140739
	0.313124	3.152935	0.00191	0.140739
EXOC7	0.322339	3.153874	0.001904	0.140661
MZB1	0.286378	3.15319	0.001908	0.14073

P4HTM;RASSF1;DALRD3	-0.30211	-3.15278	0.001911	0.140739
ELN;WBSCR22;CLIP2;ABHD11	0.483693	3.153319	0.001907	0.14073
	-0.41874	-3.15218	0.001914	0.140822
	-0.34739	-3.15257	0.001912	0.140756
	0.146431	3.152599	0.001912	0.140756
ADPRHL1;RASA3;CDC16;TMCO3;UPF3A;F10	-0.3717	-3.15326	0.001908	0.14073
PRKCQ;FBXO18	-0.44253	-3.15223	0.001914	0.140822
	0.375479	3.152113	0.001915	0.140822
	0.183852	3.151702	0.001917	0.140885
	0.343433	3.151055	0.001921	0.141059
	0.285798	3.152102	0.001915	0.140822
	0.66506	3.152811	0.00191	0.140739
	0.517248	3.152002	0.001916	0.140822
	-0.44278	-3.15201	0.001915	0.140822
BATF2;CTSW	-0.38379	-3.15177	0.001917	0.140879
	-0.29272	-3.15178	0.001917	0.140879
	0.375586	3.151113	0.001921	0.141057
ITGAE	-0.34716	-3.15126	0.00192	0.141012
	0.341133	3.151418	0.001919	0.140991
ST3GAL4;FEZ1;HYLS1	-0.47458	-3.15133	0.00192	0.141006
ADAM33;HSPA12B;SLC4A11;ZNF343	0.32198	3.150882	0.001922	0.14109
TIE1;SLC6A9;TMEM125;PTPRF;C1orf210;SLC2A1;KDM4A;LEPRE 1;EBNA1BP2;CCDC24;ST3GAL3;ELOVL1	-0.48563	-3.15091	0.001922	0.14109
ZNF536;TSHZ3;C19orf12	0.352308	3.149102	0.001934	0.141515
SDCBP2;SIRPA;NSFL1C	-0.38877	-3.15013	0.001927	0.141239
	0.248644	3.150743	0.001923	0.141105
NELFE;DDR1;DHX16	0.30616	3.150492	0.001925	0.141186
	-0.29128	-3.15045	0.001925	0.141186
AGAP2;ARHGAP9	0.336745	3.150079	0.001927	0.141239
SYNRG;PLXDC1	0.382481	3.150753	0.001923	0.141105
	-0.2253	-3.14957	0.001931	0.1414
RHBDL2;PPIE;ZMPSTE24;COL9A2	-0.45591	-3.14904	0.001934	0.141518
	-0.43875	-3.15019	0.001927	0.141239
CCDC40;PCYT2;BAIAP2-AS1	-0.32969	-3.15041	0.001925	0.141186
	-0.33003	-3.15014	0.001927	0.141239
	0.217485	3.149835	0.001929	0.141326
	0.331475	3.149194	0.001933	0.141498
HES2;ESPN;ICMT	-0.28651	-3.14964	0.00193	0.141389
SLC44A4;NOTCH4;LY6G5C;NELFE;VWA7;C6orf10;HSPA1L;TNXB; CLIC1;HSPA1A;DDR1;EHMT2;ENSG00000225914;BAG6;RNF5;T CF19	-0.51967	-3.14865	0.001936	0.141624
AGO3	0.203191	3.148583	0.001937	0.141624
FOXF1	-0.35037	-3.14844	0.001938	0.141624
	-0.32024	-3.14776	0.001942	0.141642
	-0.46458	-3.14924	0.001933	0.141498
BAIAP2L1;KPNA7;TMEM130;BRI3;BUD31	-0.49548	-3.14885	0.001935	0.141583
PPA1;CDH23	0.343065	3.149386	0.001932	0.141458

	-0.423	-3.14658	0.001949	0.141822
	0.394311	3.147714	0.001942	0.141642
	0.298151	3.148071	0.00194	0.141642
HES2;CAMTA1;THAP3;CHD5	-0.32396	-3.14823	0.001939	0.141642
CRISPLD2	0.290104	3.14844	0.001938	0.141624
	0.387001	3.148628	0.001937	0.141624
	0.259875	3.148275	0.001939	0.141642
	-0.26388	-3.1478	0.001942	0.141642
	-0.19484	-3.14805	0.00194	0.141642
	0.346094	3.14852	0.001937	0.141624
LRRC56;MUC5B;DEAF1;IFITM1;B4GALNT4;TSPAN4	-0.30474	-3.1469	0.001947	0.141796
SLC23A1;TMEM173;IK;TMCO6;CYSTM1;SPATA24;ECSCR;PAIP2; CXXC5	-0.46329	-3.14602	0.001953	0.141878
TPPP	-0.50045	-3.14743	0.001944	0.141663
	0.531094	3.148387	0.001938	0.141624
	0.367476	3.147624	0.001943	0.141659
SLC2A10;SDC4;UBE2C;DNTTIP1;TP53RK;PCIF1;RIMS4	-0.63198	-3.14803	0.00194	0.141642
	0.357298	3.147727	0.001942	0.141642
FAM178A	0.436812	3.147404	0.001944	0.141663
ALDH3B2;TBC1D10C;UNC93B1;GSTP1;ALDH3B1;CARNS1;CTSF; SUV420H1;PITPNM1	-0.4064	-3.14729	0.001945	0.141665
	0.31681	3.147487	0.001944	0.141663
ENSG00000267221;RPL27;BECN1	-0.19918	-3.14774	0.001942	0.141642
OMA1	0.330323	3.147807	0.001942	0.141642
	0.319875	3.146734	0.001948	0.141822
KAZN	0.216394	3.147919	0.001941	0.141642
	-0.35336	-3.14755	0.001943	0.141663
	-0.36278	-3.14614	0.001952	0.141878
	-0.36343	-3.14576	0.001955	0.141935
MOK;WDR20;HSP90AA1	-0.39459	-3.1473	0.001945	0.141665
NLRC5;MT1E;CNOT1	-0.28292	-3.14662	0.001949	0.141822
SVIL;ZNF438	-0.41592	-3.1457	0.001955	0.141938
ACAP1	-0.42509	-3.14663	0.001949	0.141822
ZNRD1-AS1	-0.30268	-3.14699	0.001947	0.141782
PIEZO1;CBFA2T3;ENSG00000261226;ENSG00000259881;ENSG 00000224888;ENSG00000182376;RNF166;ZFPM1;ANKRD11;E NSG00000260121;ENSG00000260279	-0.41594	-3.14678	0.001948	0.141822
	-0.34469	-3.14581	0.001954	0.141933
KIAA1549;ATP6V0A4;KDM7A;DENND2A;SLC37A3;HIPK2;TTC26; UBN2;TMEM213;JHDM1D-AS1;SVOPL;ENSG00000271537	-0.50982	-3.14603	0.001953	0.141878
	0.282167	3.144651	0.001962	0.142129
DNAI2;KIF19;SMIM5;WBP2;HN1;HID1;ENSG00000265800	-0.31191	-3.14615	0.001952	0.141878
SV2A;ENSG00000269621	-0.44477	-3.14642	0.00195	0.141871
	-0.44857	-3.14499	0.001959	0.142093
ATP10A;ENSG00000257647	-0.40722	-3.14599	0.001953	0.141878

ENSG00000225914;TNXB;C6orf10;SLC44A4;PPP1R18;NOTCH4;				
LY6G5C;NRM;GNL1;VWA7;PBX2;TCF19	-0.42976	-3.14419	0.001964	0.142195
ZBTB20;ENSG00000259976;BOC;CD200R1	0.358562	3.145987	0.001953	0.141878
MOB3A;S1PR4	-0.35521	-3.14469	0.001961	0.142129
CAV1	0.362647	3.146017	0.001953	0.141878
	-0.42936	-3.14611	0.001952	0.141878
	-0.70398	-3.14443	0.001963	0.142157
C4orf29	-0.39826	-3.14491	0.00196	0.142105
	0.341376	3.145115	0.001959	0.142085
	0.438168	3.145527	0.001956	0.141968
SYNGAP1;ZBTB9;C6orf10;ITPR3;HLA-DPB1;HSD17B8	-0.21938	-3.14559	0.001956	0.141964
	0.291436	3.145269	0.001958	0.142038
	0.235228	3.144241	0.001964	0.142195
	0.278896	3.144785	0.001961	0.142116
	0.311	3.145302	0.001957	0.142038
	-0.36784	-3.14457	0.001962	0.142143
	0.208529	3.145014	0.001959	0.142093
	0.390272	3.143409	0.001969	0.142206
TENC1;ATF7;PRR13;KRT80	0.410792	3.143535	0.001969	0.142206
PRDX3P4;ENSG00000224479;ADAMTS9-AS2;SYNPR;PRICKLE2-AS3	-0.2753	-3.14402	0.001966	0.142206
TWIST2;HES6;RAB17;TRAF3IP1;MLPH	0.294816	3.143295	0.00197	0.142206
NBL1;KLHDC7A;AKR7A2;IFFO2	-0.42837	-3.14352	0.001969	0.142206
TCF21;SLC2A12	-0.42945	-3.14383	0.001967	0.142206
	0.443907	3.144276	0.001964	0.142195
ATP6V0A1;COASY;ENSG00000264058;ENSG00000267758;STAT5B;STAT5A	0.419367	3.143524	0.001969	0.142206
	-0.39671	-3.14447	0.001963	0.142157
CARS;TSPAN32;IGF2;NAP1L4	-0.19152	-3.14385	0.001967	0.142206
	0.300949	3.143626	0.001968	0.142206
	0.345184	3.143903	0.001966	0.142206
	-0.41699	-3.14482	0.00196	0.142116
	0.359058	3.142076	0.001978	0.142403
	-0.2882	-3.14375	0.001967	0.142206
	0.354961	3.142614	0.001974	0.142348
ARL3;CNNM2;C10orf32;SH3PXD2A;NFKB2;C10orf95	-0.33103	-3.14327	0.00197	0.142206
TDRP	-0.28198	-3.14325	0.00197	0.142206
RSPH10B;EIF2AK1;FOXK1;CYTH3;FSCN1	-0.27725	-3.14362	0.001968	0.142206
	0.239473	3.143225	0.001971	0.142206
IFT140;BAIAP3;CLDN9;ENSG00000272079;HAGH;RNPS1;HN1L;HCFC1R1;HS3ST6;CCDC64B;PDPK1;MSRB1	-0.55573	-3.14135	0.001983	0.142516
	0.233634	3.142604	0.001975	0.142348
	-0.40103	-3.14364	0.001968	0.142206
	-0.44494	-3.14347	0.001969	0.142206
ACOX2;ARHGEF3;FAM107A	-0.4301	-3.14268	0.001974	0.142348
ENSG00000222511	-0.36986	-3.1426	0.001975	0.142348
	0.291129	3.142882	0.001973	0.142316

	-0.28401	-3.14138	0.001982	0.142516
	0.274206	3.142427	0.001976	0.142403
	0.357071	3.142901	0.001973	0.142316
	-0.30641	-3.14236	0.001976	0.142403
	-0.31609	-3.14206	0.001978	0.142403
	0.297435	3.141186	0.001984	0.142543
MUC5B	0.259516	3.142095	0.001978	0.142403
VARS;CUTA;RNF5;LSM2;SLC39A7	0.405275	3.141474	0.001982	0.142516
	0.320812	3.142124	0.001978	0.142403
	0.35759	3.143414	0.001969	0.142206
SLC44A1;NIPSNAP3A	0.223725	3.141441	0.001982	0.142516
	0.348532	3.140864	0.001986	0.142667
	-0.35197	-3.14224	0.001977	0.142403
PPARGC1B;HMGXB3;ARSI;ABLIM3	-0.34154	-3.14192	0.001979	0.142423
	-0.2748	-3.14174	0.00198	0.142481
DFFB	0.351999	3.142312	0.001976	0.142403
RIBC2;ENSG00000226328;GRAMD4;PRR5;CELSR1;ENSG00000197182	-0.74686	-3.13986	0.001992	0.142889
	0.325212	3.141932	0.001979	0.142423
ENSG00000223373	0.339173	3.141276	0.001983	0.142526
IL12RB1;JAK3;FCHO1;BST2	0.427267	3.141618	0.001981	0.142512
	0.262315	3.139847	0.001992	0.142889
	-0.3805	-3.14144	0.001982	0.142516
UBXN10;NBL1;CAMK2N1;EMC1;UBXN10-AS1;KIF17;AKR7A2;ALDH4A1	-0.46272	-3.14011	0.00199	0.142845
	0.380628	3.140654	0.001987	0.14274
HERC1;TRIP4;PLEKHO2;IGDCC4;PIF1;DAPK2;CSNK1G1	-0.26723	-3.14055	0.001988	0.142763
	0.321918	3.140392	0.001989	0.142813
	-0.20644	-3.13974	0.001993	0.142889
SQLE;ZNF572;LINC00964;MTSS1;TRMT12;FER1L6-AS1	-0.3283	-3.14032	0.001989	0.142824
SYBU	-0.26924	-3.13783	0.002005	0.143182
	-0.24697	-3.13934	0.001995	0.142889
CABLES1	-0.30214	-3.13927	0.001996	0.142899
COL1A2	0.316633	3.138936	0.001998	0.14301
CLUAP1;C16orf71;CDIP1;ENSG00000263011;C16orf89;SMIM22;ENSG00000262312;NLRC3;CORO7;SEC14L5	-0.47593	-3.1395	0.001994	0.142889
	0.257165	3.139686	0.001993	0.142889
OAF;MCAM	0.245031	3.139635	0.001994	0.142889
	0.279881	3.139732	0.001993	0.142889
	0.363135	3.140121	0.00199	0.142845
	0.267156	3.138617	0.002	0.143079
	-0.50265	-3.13934	0.001995	0.142889
PKDCC	-0.28108	-3.14017	0.00199	0.142845
	-0.26895	-3.13956	0.001994	0.142889
	0.257612	3.138399	0.002002	0.1431
	-0.32329	-3.13947	0.001995	0.142889
PRSS23;FZD4	0.374688	3.14	0.001991	0.142873

SHROOM3	0.447793	3.139384	0.001995	0.142889
PEAR1;RAB25;IQGAP3;NES;SMG5;DAP3;CCT3;MEF2D;LAMTOR 2;RIT1;SYT11;HDGF	-0.35829	-3.13879	0.001999	0.143024
UGGT1	0.306368	3.138872	0.001998	0.14301
	-0.29779	-3.13842	0.002001	0.1431
	-0.21623	-3.13755	0.002007	0.143216
ZHX2;TBC1D31;FER1L6	-0.35498	-3.13847	0.002001	0.1431
	-0.37538	-3.13833	0.002002	0.1431
	0.343031	3.137908	0.002005	0.143182
	0.253559	3.13627	0.002015	0.143398
	-0.32095	-3.13688	0.002011	0.143303
	-0.43653	-3.13815	0.002003	0.14313
ASAP1	-0.53903	-3.13743	0.002008	0.143216
	-0.30945	-3.13892	0.001998	0.14301
	0.173982	3.136643	0.002013	0.143321
	-0.2579	-3.1375	0.002007	0.143216
SUPT6H;TRAF4;MYO18A;ANKRD13B;TLCD1;CORO6;RAB34;BLM H;NSRP1;PROCA1	-0.25364	-3.13723	0.002009	0.143216
	0.446735	3.137857	0.002005	0.143182
JAK3;NR2F6	-0.44568	-3.13831	0.002002	0.1431
SRSF9	-0.27523	-3.13767	0.002006	0.143216
	0.379881	3.137924	0.002005	0.143182
	0.28892	3.136558	0.002013	0.143332
	-0.23062	-3.13738	0.002008	0.143216
SLC44A4;ZBTB22	-0.33325	-3.13715	0.00201	0.143232
	0.28332	3.138145	0.002003	0.14313
DLG1	-0.27698	-3.13696	0.002011	0.143296
PTK6;STMN3;DNAJC5;SAMD10	-0.3746	-3.1373	0.002009	0.143216
	-0.39292	-3.13748	0.002007	0.143216
RNF213	-0.38484	-3.13727	0.002009	0.143216
	-0.38435	-3.13615	0.002016	0.143406
	-0.3459	-3.13733	0.002008	0.143216
	0.339957	3.136709	0.002012	0.143315
	0.275418	3.13677	0.002012	0.14331
TPPP;TRIP13;SDHA	0.425044	3.136442	0.002014	0.143342
	0.274683	3.134404	0.002027	0.143665
	0.364613	3.135957	0.002017	0.143471
	0.411428	3.136517	0.002014	0.143332
IFT122;KIAA1257;EFCAB12;ENSG00000187695;ENSG00000244 300;PLXND1;GATA2;TMCC1;RPL32P3;COL6A5	-0.50776	-3.13527	0.002022	0.143653
	0.319786	3.136837	0.002012	0.143303
	0.37085	3.13498	0.002024	0.143653
RNF32	0.289957	3.135557	0.00202	0.143608
	-0.36364	-3.13541	0.002021	0.143627
	0.207255	3.135014	0.002023	0.143653
	-0.23232	-3.13462	0.002026	0.143653
	0.496703	3.136149	0.002016	0.143406

ENSG00000266378	-0.35229	-3.13467	0.002026	0.143653
	0.283234	3.134698	0.002026	0.143653
	-0.2108	-3.13547	0.00202	0.143624
CTBP2;DHX32	0.326262	3.135155	0.002023	0.143653
	0.359949	3.134253	0.002028	0.143674
	-0.27812	-3.13383	0.002031	0.143681
METRN;CCDC78;BAIAP3;HAGHL;IFT140;NHLRC4;PIGQ;WDR90;				
ENSG00000261659;HS3ST6;HAGH;WDR24;FAM173A	-0.2264	-3.1337	0.002032	0.143681
TRAF1	0.274276	3.134788	0.002025	0.143653
ENSG00000245750;ENSG00000259641;PAQR5;ENSG00000259				
426;CORO2B	-0.61515	-3.1351	0.002023	0.143653
	-0.4155	-3.13489	0.002024	0.143653
	0.395852	3.135716	0.002019	0.143559
	-0.1892	-3.13296	0.002037	0.143681
	-0.36138	-3.13471	0.002025	0.143653
	0.419881	3.13423	0.002029	0.143674
	0.268304	3.134531	0.002027	0.143653
	0.242328	3.134164	0.002029	0.143681
PIGU	-0.30071	-3.135	0.002024	0.143653
	0.294404	3.133074	0.002036	0.143681
	0.154841	3.134266	0.002028	0.143674
ENSG00000232682	0.320457	3.134554	0.002026	0.143653
	0.263639	3.134812	0.002025	0.143653
BNIPL;RORC;CGN	0.245681	3.13445	0.002027	0.143665
ROR1;EFCAB7	0.404497	3.133551	0.002033	0.143681
	-0.35614	-3.13381	0.002031	0.143681
GGT5;SPECC1L;MYO18B	-0.5653	-3.13466	0.002026	0.143653
SDCBP2;NSFL1C;SOX12;SIRPA	-0.48289	-3.13341	0.002034	0.143681
	-0.29356	-3.13381	0.002031	0.143681
	-0.24532	-3.13261	0.002039	0.143681
	0.222288	3.131498	0.002047	0.143681
CGN;SELENBP1;THEM4;HRNR;RORC;BNIPL;ENSG00000269621;				
RIIAD1;S100A11;FLG;PSMD4;SEMA6C	-0.34799	-3.13229	0.002041	0.143681
ENSG00000245466	-0.46957	-3.13346	0.002034	0.143681
	0.368537	3.133365	0.002034	0.143681
FSTL3;MISP;PPAP2C;R3HDM4;PALM;GAMT;TCF3;ADAMTSL5;S				
HC2;GRIN3B;PCSK4;CFD	-0.35531	-3.13319	0.002035	0.143681
	-0.28784	-3.1332	0.002035	0.143681
WNT7B	-0.47774	-3.13354	0.002033	0.143681
C14orf132	-0.27077	-3.13326	0.002035	0.143681
KIF7;ISG20;MFGE8;NTRK3	-0.36776	-3.13264	0.002039	0.143681
	-0.37018	-3.1322	0.002042	0.143681
	0.464727	3.133252	0.002035	0.143681
RNASEH2C;FERMT3;SLC25A45;SIPA1	0.251937	3.131894	0.002044	0.143681
BNIP1;RPL26L1;ERGIC1;ATP6V0E1	0.360266	3.132759	0.002038	0.143681
ARL15	-0.42788	-3.13331	0.002035	0.143681

ENSG00000241764	-0.44744	-3.13281	0.002038	0.143681
ENSG00000266371;ENSG00000264538;SH3GL1P1	0.262558	3.133639	0.002032	0.143681
	-0.23712	-3.13243	0.00204	0.143681
ASNA1	0.244175	3.133739	0.002032	0.143681
DDR1;HLA-F-AS1;DHX16	-0.30862	-3.13277	0.002038	0.143681
	0.161095	3.132769	0.002038	0.143681
	-0.27507	-3.13233	0.002041	0.143681
	0.300282	3.13223	0.002042	0.143681
	-0.74417	-3.13239	0.002041	0.143681
FGD2;CPNE5;PI16	-0.46499	-3.1322	0.002042	0.143681
	-0.31582	-3.13206	0.002043	0.143681
	0.447796	3.132046	0.002043	0.143681
PTGDR	-0.29284	-3.1319	0.002044	0.143681
	0.178506	3.131942	0.002044	0.143681
	0.524934	3.132076	0.002043	0.143681
ENSG00000223764;SAMD11;MXRA8;TTLL10-AS1;ANKRD65;PRKCZ;TTLL10;ENSG00000269896;RNF223;C1orf222;ATAD3A;SKI;MORN1;TMEM52;SSU72	-0.28578	-3.13094	0.00205	0.143802
	0.357526	3.131368	0.002047	0.143718
UNC13B;TLN1;GLIPR2;DNAJB5;HINT2;PIGO;STOML2;RUSC2;TPM2;CLTA;RMRP;GNE;VCP	0.40939	3.131888	0.002044	0.143681
TBL2;EIF4H	0.248214	3.131933	0.002044	0.143681
	0.318155	3.131759	0.002045	0.143681
	-0.44557	-3.13175	0.002045	0.143681
STX18;SH3BP2;ADD1	-0.43255	-3.13224	0.002042	0.143681
	-0.37819	-3.1317	0.002045	0.143681
	0.437201	3.132477	0.00204	0.143681
KLHDC8A;SLC41A1;ELK4;NUAK2;PLEKHA6;TMCC2;LEMD1	-0.3633	-3.13155	0.002046	0.143681
	-0.41517	-3.1316	0.002046	0.143681
	0.362478	3.132191	0.002042	0.143681
	0.285183	3.131625	0.002046	0.143681
SLC44A4;TNXB;C6orf10;VWA7;NELFE;DDAH2;LTB	-0.33345	-3.13109	0.002049	0.143798
FAM114A1	0.379741	3.130591	0.002052	0.143802
	0.455063	3.131801	0.002045	0.143681
	-0.31595	-3.13057	0.002053	0.143802
LYL1	-0.20359	-3.13093	0.00205	0.143802
	0.342233	3.130776	0.002051	0.143802
	0.27384	3.131697	0.002045	0.143681
	-0.36904	-3.13068	0.002052	0.143802
CD52;ZNF683	-0.32513	-3.1313	0.002048	0.143726
ZFAND6	0.366788	3.131499	0.002046	0.143681
GRK5;GRK5-IT1;PRDX3;WDR11	-0.45061	-3.13057	0.002053	0.143802
	-0.49488	-3.13068	0.002052	0.143802
	0.287786	3.128825	0.002064	0.144235
ENSG00000261659	-0.49084	-3.13077	0.002051	0.143802
	-0.30896	-3.12929	0.002061	0.144119

FAM178B	-0.18734	-3.13017	0.002055	0.143938
	0.231481	3.129056	0.002063	0.144199
	-0.36746	-3.1298	0.002058	0.144041
	-0.38091	-3.12839	0.002067	0.144283
	0.4065	3.129679	0.002059	0.144061
ITGB2;TRPM2	-0.4218	-3.13013	0.002056	0.143938
	0.311143	3.130785	0.002051	0.143802
	-0.37657	-3.13026	0.002055	0.143926
	0.343791	3.129608	0.002059	0.144061
PYCR1;LINC00482;SECTM1;NOTUM;SIRT7;P4HB	-0.34445	-3.12834	0.002067	0.144283
	-0.2564	-3.12964	0.002059	0.144061
NFKBIE;TBCC;RRP36;MRPL14;MAD2L1BP	0.211212	3.128773	0.002065	0.144236
SOD3	-0.31782	-3.12928	0.002061	0.144119
	0.225359	3.129436	0.00206	0.1441
C6orf132;PEX6;POLR1C;ENSG00000261068;GLTSCR1L;TRERF1	-0.42013	-3.12992	0.002057	0.144008
	0.301918	3.128933	0.002063	0.144232
	0.315095	3.128561	0.002066	0.144283
PSMG3;FTSJ2	0.259222	3.127845	0.002071	0.144407
	-0.281	-3.12885	0.002064	0.144235
	-0.48187	-3.12942	0.00206	0.1441
NFKBIE;SLC29A1	-0.26199	-3.12795	0.00207	0.144392
OSBPL10	0.402821	3.128638	0.002065	0.144275
	0.250108	3.128315	0.002068	0.144283
	0.40488	3.128483	0.002066	0.144283
	-0.31453	-3.12811	0.002069	0.144356
	-0.24965	-3.12736	0.002074	0.144586
ACACB;ENSG00000256139	-0.25864	-3.12793	0.00207	0.144392
	-0.37106	-3.12833	0.002067	0.144283
	-0.22933	-3.12701	0.002076	0.144699
ENSG00000224187	-0.19598	-3.12714	0.002075	0.144666
CSPG4;NRG4;FAM219B;CCDC33;ISLR;ENSG00000259264;PML;				
COX5A;SCAMP2	-0.49098	-3.12691	0.002077	0.144699
	0.285181	3.125255	0.002088	0.145151
ATM;ENSG00000261098;EXPH5	-0.64722	-3.12751	0.002073	0.144538
TRPV3;ASPA;ATP2A3;HIC1;RAP1GAP2	-0.40233	-3.12611	0.002082	0.144933
POLD3;DNAJB13;PPME1;PLEKHB1	-0.41733	-3.12634	0.002081	0.144933
	0.302437	3.126172	0.002082	0.144933
	0.270213	3.12696	0.002077	0.144699
	0.198348	3.125903	0.002084	0.145004
	0.333994	3.126144	0.002082	0.144933
STK10	-0.31231	-3.12529	0.002088	0.145151
	0.40729	3.126172	0.002082	0.144933
R3HDM4;MOB3A;CSNK1G2-AS1;SCAMP4;GRIN3B;CDC34	-0.30885	-3.12536	0.002087	0.145151
KCTD7;SKP1P1	-0.38185	-3.12554	0.002086	0.145126
ADCY5;SEMA5B;IQCB1;POLQ;ILDR1;WDR5B;KPNA1;GOLGB1;FB				
XO40;SLC15A2;DIRC2	-0.48613	-3.12495	0.00209	0.145258

PLD2;ZFP3;ASPA;MINK1;CYB5D2;ALOX15;KIF1C;SCIMP;ENSG00000261863	-0.49155	-3.12613	0.002082	0.144933
	0.323146	3.12411	0.002096	0.145486
	0.322983	3.125665	0.002085	0.145091
	-0.32702	-3.12467	0.002092	0.14532
PSMB8;NOTCH4;CLIC1;TNXB	0.331619	3.125233	0.002088	0.145151
	-0.2881	-3.12423	0.002095	0.145454
	0.347605	3.124572	0.002093	0.145342
ENSG00000237234;LAMA4;SLC16A10;ENSG00000226440;ENSG00000271208;FAM229B;ENSG00000270661;ENSG00000255389	-0.49104	-3.12546	0.002087	0.145139
PSD3	0.386768	3.124742	0.002091	0.145309
MED7	-0.46212	-3.12474	0.002091	0.145309
NOTCH4;TNXB;SLC44A4;C6orf10;VWA7;LY6G5C;ENSG00000225914;TCF19;NELFE;PBX2;EHMT2;C6orf48;PRRC2A;ENSG00000272221;PPT2;C6orf47;DDAH2;HSPA1L;CLIC1;HNRNPA1P2	-0.37429	-3.12245	0.002107	0.14566
	-0.28139	-3.12343	0.0021	0.145533
SQLE;FAM84B	-0.45867	-3.12368	0.002099	0.145524
ENSG00000259498;TPM1;FBXL22;TLN2;FAM96A;SNX1;HERC1;CSNK1G1	-0.36508	-3.12325	0.002101	0.14558
	-0.25724	-3.12446	0.002093	0.14537
	0.37648	3.123934	0.002097	0.145514
MTG1	0.280681	3.123098	0.002103	0.145587
	0.374119	3.123417	0.0021	0.145533
	0.163016	3.122516	0.002106	0.14566
	-0.33904	-3.12259	0.002106	0.14566
COPA;ENSG00000213080;SDHC	0.206189	3.122723	0.002105	0.14566
BAI1	0.320652	3.123986	0.002097	0.145514
CCDC64	0.283754	3.123622	0.002099	0.145526
RNF166	0.438192	3.123827	0.002098	0.145514
	-0.22118	-3.12383	0.002098	0.145514
	-0.23934	-3.12309	0.002103	0.145587
	0.437107	3.122601	0.002106	0.14566
	-0.31015	-3.12379	0.002098	0.145514
ANKRD29;ENSG00000265752	-0.37579	-3.1234	0.0021	0.145533
PRTG;NEDD4	-0.4582	-3.123	0.002103	0.145603
	0.312612	3.123748	0.002098	0.145514
	0.401112	3.122844	0.002104	0.145654
DOK2	0.319579	3.123104	0.002102	0.145587
	0.401765	3.123441	0.0021	0.145533
	-0.30127	-3.12066	0.002119	0.146013
FUT8	-0.45414	-3.12204	0.00211	0.145734
TMEM125;CCDC24	0.422621	3.122377	0.002107	0.14566
	-0.31167	-3.12219	0.002109	0.145698
ZNF662;FAM198A;TRAK1;NKTR;ZBTB47	-0.43845	-3.12269	0.002105	0.14566
	-0.44323	-3.12232	0.002108	0.145663

HS3ST1;ENSG00000251152	-0.40523	-3.12202	0.00211	0.145734
ZHX2;ENSG00000254000	0.312513	3.122384	0.002107	0.14566
	0.224561	3.120848	0.002118	0.145999
SHQ1	0.409092	3.122428	0.002107	0.14566
	-0.32022	-3.12146	0.002114	0.145899
ATF7;TENC1;KRT18;KRT8;PRR13;MAP3K12;MFSD5;COPZ1;PFDN5;ATP5G2;ENSG00000257337	-0.38249	-3.12113	0.002116	0.145978
WDR45B;TBCD	-0.22225	-3.12068	0.002119	0.146013
	-0.35622	-3.12174	0.002112	0.145818
SMIM22;CORO7;TFAP4;CDIP1;C16orf71;ENSG00000262686;GLYR1	-0.46718	-3.12194	0.00211	0.145745
NOTCH3	0.201706	3.120941	0.002117	0.145979
	0.3006	3.12041	0.002121	0.146013
PREB	0.335825	3.119728	0.002125	0.146054
	0.197768	3.121232	0.002115	0.145978
ENSG00000272005	0.413439	3.121614	0.002113	0.145852
	0.246661	3.120479	0.00212	0.146013
MDC1;PPP1R11;DDR1;PPP1R18	-0.26613	-3.12099	0.002117	0.145979
	0.360406	3.120243	0.002122	0.146021
	0.238633	3.120062	0.002123	0.146021
TLDC1;KIAA0513;HSBP1;ATP2C2;ENSG00000262601	-0.37187	-3.12039	0.002121	0.146013
	-0.5036	-3.12001	0.002123	0.146021
TENC1;GRASP;GALNT6;ACVRL1;KRT7;KRT8	0.353199	3.120367	0.002121	0.146013
	-0.36356	-3.11999	0.002124	0.146021
	0.4477	3.121094	0.002116	0.145978
MPZ;USF1;F11R;TSTD1;SDHC;PVRL4;FCER1G;UFC1;OLFML2B;FCGR3B;KLHDC9;ENSG00000213080;ARHGAP30;ADAMTS4;PEA15	0.221526	3.118164	0.002136	0.146342
	-0.37827	-3.12065	0.002119	0.146013
	-0.34905	-3.12042	0.002121	0.146013
	0.328765	3.119475	0.002127	0.146109
PPP4R4;UNC79;ASB2;C14orf142;ENSG00000258987;FAM181A-AS1;PRIMA1	-0.42346	-3.12019	0.002122	0.146021
	0.241501	3.121015	0.002117	0.145979
	-0.34085	-3.11995	0.002124	0.146021
	-0.25394	-3.11932	0.002128	0.146151
	-0.23141	-3.11917	0.002129	0.146175
	0.290305	3.121143	0.002116	0.145978
SCARF1;DOC2B;INPP5K;YWHAE;FAM101B;GLOD4	-0.45477	-3.11996	0.002124	0.146021
	0.281848	3.120297	0.002122	0.146021
	0.224907	3.119461	0.002127	0.146109
	-0.37005	-3.11837	0.002135	0.146314
MYCBPAP;TTLL6;ENSG00000248954	-0.46761	-3.12059	0.00212	0.146013
	0.350507	3.118585	0.002133	0.146308
DNAJC4;PRDX5;PLA2G16;PLCB3;TRPT1;RPS6KA4;TM7SF2;CDCA5	-0.3323	-3.11895	0.002131	0.146208
RPGRIP1L;IRX3;FTO-IT1;AKTIP	-0.59321	-3.11988	0.002124	0.146032

	0.395495	3.119596	0.002126	0.146092
	0.712128	3.119816	0.002125	0.146036
ZNF48;ZNF629	-0.33856	-3.11877	0.002132	0.146268
	-0.2494	-3.11832	0.002135	0.146314
	0.213595	3.119005	0.00213	0.146205
ATP8B2;NPR1;SHE;TDRD10;S100A2;S100A14;SNAPIN;GATAD2B ;S100A16;DENND4B;EFNA1;C1orf43;ILF2;CKS1B	-0.38543	-3.11869	0.002132	0.146281
	-0.29086	-3.11583	0.002152	0.146697
	-0.30365	-3.1185	0.002134	0.146314
	0.33218	3.117745	0.002139	0.146374
ENSG00000271204	0.330626	3.116725	0.002146	0.146572
	-0.23025	-3.1172	0.002143	0.14649
RAB3IL1;VPS37C	0.25517	3.119257	0.002129	0.146157
	-0.30668	-3.11901	0.00213	0.146205
	0.2544	3.118272	0.002135	0.146314
SPIRE2;ENSG00000261226;CBFA2T3;SPATA33	-0.26838	-3.11832	0.002135	0.146314
	0.294346	3.117462	0.002141	0.146413
	0.298973	3.116492	0.002148	0.14662
DDR2;OLFML2B;C1orf110;RGS5;C1orf226;UAP1;RGS4	-0.479	-3.11787	0.002138	0.146374
	0.203622	3.117873	0.002138	0.146374
GCC2	0.362808	3.118326	0.002135	0.146314
WDR45B;PCYT2;SLC25A10	-0.33003	-3.11735	0.002142	0.146441
	0.313924	3.117642	0.00214	0.146391
	0.325405	3.116808	0.002145	0.146572
C11orf21;LSP1;TSPAN32	-0.25995	-3.11784	0.002138	0.146374
	-0.45232	-3.11806	0.002137	0.146365
PPP4R4;UBR7;ASB2	0.444178	3.117788	0.002139	0.146374
PDZD2	-0.43864	-3.11785	0.002138	0.146374
	0.270636	3.11761	0.00214	0.146391
	0.464043	3.117115	0.002143	0.146506
	-0.41493	-3.11699	0.002144	0.146542
PEAR1;HDGF;SYT11;MTX1	0.322546	3.117514	0.002141	0.146412
FAM78B;ILDR2;GPR161;MPC2;DCAF6	0.28922	3.1141	0.002164	0.146806
KIAA1614;SOAT1;AXDND1;STX6	-0.42906	-3.11615	0.00215	0.14662
	0.328234	3.115822	0.002152	0.146697
	0.334587	3.11487	0.002159	0.146789
	0.329348	3.116312	0.002149	0.14662
GEMIN8P4;LRRC8C	0.292733	3.116728	0.002146	0.146572
TTC18;P4HA1	-0.40131	-3.11634	0.002149	0.14662
	-0.45018	-3.11567	0.002153	0.146742
	-0.30506	-3.11678	0.002146	0.146572
	-0.24032	-3.11421	0.002163	0.146806
C14orf2	0.246837	3.116461	0.002148	0.14662
BIK;TTLL12	-0.27372	-3.11631	0.002149	0.14662
TET1;TSPAN15;PALD1;TACR2;SUPV3L1;HK1;DDX21	-0.51851	-3.1156	0.002154	0.14675
IRF8	0.557256	3.116465	0.002148	0.14662
CECR2;USP18	-0.48447	-3.11617	0.00215	0.14662

EPCAM	0.318917	3.113988	0.002165	0.146806
PIK3R1	-0.40267	-3.11449	0.002161	0.146789
PTPRH;TMC4;PPP6R1;MBOAT7	-0.2778	-3.11625	0.002149	0.14662
	-0.2917	-3.11313	0.002171	0.147019
	-0.32938	-3.11496	0.002158	0.146789
	-0.2466	-3.11513	0.002157	0.146789
ST6GALNAC2;SMIM5;RNF157-AS1;ST6GALNAC1;SMIM6;RHBDF2;UNC13D;SPHK1;FOXJ1;GALK1;CASKIN2;TRIM65;ENSG00000261335;PRPSAP1	-0.32411	-3.11439	0.002162	0.146806
BTN3A1;BTN3A3;BTN3A2	-0.26494	-3.11613	0.00215	0.14662
MAPKAPK5-AS1	0.288797	3.115052	0.002158	0.146789
	0.30529	3.113787	0.002166	0.146833
	0.386416	3.113066	0.002171	0.147019
	0.379733	3.114659	0.00216	0.146789
OLFML2A	0.234138	3.115168	0.002157	0.146789
	-0.36044	-3.11448	0.002162	0.146789
	0.267856	3.115165	0.002157	0.146789
ZNF471	0.415833	3.114655	0.00216	0.146789
TRAPPC2L	0.30227	3.114845	0.002159	0.146789
LRRC32;USP35	-0.3521	-3.11379	0.002166	0.146833
TRAF5	0.46704	3.114818	0.002159	0.146789
	0.371662	3.11519	0.002157	0.146789
	0.178969	3.113985	0.002165	0.146806
DOPEY2	-0.3514	-3.1147	0.00216	0.146789
TMEM204;CACNA1H	-0.32149	-3.11394	0.002165	0.146806
	0.370168	3.114178	0.002164	0.146806
	0.273439	3.115813	0.002152	0.146697
SOGA1	-0.31068	-3.11462	0.002161	0.146789
	0.409763	3.115378	0.002155	0.146789
	0.37289	3.114249	0.002163	0.146806
	-0.30984	-3.115	0.002158	0.146789
RARRES3;OTUB1	-0.34294	-3.11239	0.002176	0.147095
	0.360415	3.115176	0.002157	0.146789
TMEM14B;SYCP2L;TMEM14C	0.399617	3.114826	0.002159	0.146789
	0.458209	3.113473	0.002168	0.146934
DLL4;STARD9	-0.28002	-3.11456	0.002161	0.146789
PEAR1;SLC50A1;NES;MUC1;ASH1L;SYT11;MEF2D;MTX1;RAB25;SMG5;FLAD1;HDGF;LAMTOR2;CCT3	-0.39714	-3.11462	0.002161	0.146789
SH3TC1;KIAA0232;ABLIM2;CCDC96;MRFAP1L1;S100P;AFAP1-AS1;GRPEL1	0.44193	3.114092	0.002164	0.146806
	-0.31759	-3.11182	0.00218	0.147143
NAP1L4;CARS;MRPL23;IGF2	-0.25985	-3.11373	0.002167	0.146837
	0.168073	3.113046	0.002171	0.147019
	-0.38852	-3.11341	0.002169	0.14694
	-0.3061	-3.11418	0.002164	0.146806
ERC1;B4GALNT3	-0.35857	-3.11309	0.002171	0.147019
	0.213925	3.112624	0.002174	0.147095

SMIM1	-0.37774	-3.11252	0.002175	0.147095
TTC22;BSND	0.35345	3.112817	0.002173	0.14708
LPCAT1	-0.32297	-3.11189	0.00218	0.147143
	-0.25741	-3.11256	0.002175	0.147095
IL32;PPL;SEC14L5;UBN1	-0.34276	-3.11247	0.002175	0.147095
	0.258508	3.112937	0.002172	0.147047
	0.352044	3.111094	0.002185	0.147262
	0.382826	3.11243	0.002176	0.147095
	-0.30057	-3.11109	0.002185	0.147262
DNAAF2;ATP5S;CDKL1;ABHD12B;C14orf182;PYGL;NIN;ENSG00000258946;ENSG00000259071	-0.44508	-3.11218	0.002177	0.147143
WDR45B;PCYT2;NOTUM;LRRC45;MAFG-AS1;STRA13;TBCD	-0.4488	-3.11167	0.002181	0.14718
TRPM2;ITGB2	0.479175	3.112428	0.002176	0.147095
	0.343394	3.110878	0.002187	0.147273
	-0.28976	-3.11242	0.002176	0.147095
ICAM3	-0.42697	-3.11194	0.002179	0.147143
C4A	-0.29459	-3.1118	0.00218	0.147143
ITGA11;ENSG00000245750	-0.33163	-3.11112	0.002185	0.147262
	-0.40488	-3.11206	0.002178	0.147143
	0.376825	3.111114	0.002185	0.147262
	0.518524	3.112192	0.002177	0.147143
	0.147655	3.110981	0.002186	0.147262
TNXB	-0.24049	-3.1118	0.00218	0.147143
	0.328876	3.112	0.002179	0.147143
NKIRAS1	-0.4072	-3.10868	0.002202	0.147757
	0.353714	3.110367	0.00219	0.147329
	0.315477	3.111835	0.00218	0.147143
	0.30096	3.11056	0.002189	0.147329
RBMS2;MARS;PTGES3	-0.26497	-3.10958	0.002196	0.14747
ECHS1;LRRC27	-0.37068	-3.11046	0.00219	0.147329
	-0.23202	-3.11077	0.002187	0.147277
	-0.32964	-3.11114	0.002185	0.147262
	0.304496	3.111458	0.002183	0.147256
	0.302934	3.1105	0.002189	0.147329
	0.211023	3.110086	0.002192	0.14735
	-0.45196	-3.11095	0.002186	0.147262
MEG3;ENSG00000232018;ENSG00000225746	0.329203	3.110982	0.002186	0.147262
	-0.48988	-3.11014	0.002192	0.14735
	0.318118	3.108627	0.002202	0.147757
RNF166	-0.3562	-3.11102	0.002186	0.147262
	-0.34761	-3.11095	0.002186	0.147262
	0.357791	3.109826	0.002194	0.147422
COQ4;TTC16;ODF2;C9orf117;WDR34;RALGPS1;SH2D3C	-0.45302	-3.10889	0.002201	0.147702
ACSL5	-0.48569	-3.11083	0.002187	0.147273
	-0.20896	-3.10962	0.002195	0.14747
	-0.3349	-3.11022	0.002191	0.14735

	0.265637	3.110045	0.002192	0.14735
FCGBP;FBXO17;ZNF780B;PRX;LTBP4;PSMC4	-0.27088	-3.11062	0.002188	0.147327
	-0.30865	-3.11039	0.00219	0.147329
	-0.35891	-3.11009	0.002192	0.14735
	-0.2462	-3.1097	0.002195	0.147461
GID8;DNAJC5	-0.29251	-3.10803	0.002207	0.147887
	-0.25619	-3.10906	0.002199	0.147644
	0.612407	3.110027	0.002193	0.14735
ITGA10	0.316678	3.108781	0.002201	0.14773
	0.311352	3.10783	0.002208	0.147919
	0.301355	3.109364	0.002197	0.147548
	-0.38292	-3.10779	0.002208	0.147919
	0.364302	3.108493	0.002203	0.147797
	-0.32743	-3.10917	0.002199	0.147615
GPBP1	-0.44611	-3.10663	0.002217	0.148216
	0.288447	3.108418	0.002204	0.147809
CCDC64B;HN1L;ENSG00000205890;IL32;PRSS22;PAQR4;TPSD1				
;TMEM204;IFT140;UNKL;FLYWCH1	-0.35127	-3.10825	0.002205	0.147843
	-0.27501	-3.10801	0.002207	0.147887
	-0.51253	-3.10827	0.002205	0.147843
	0.304055	3.107738	0.002209	0.147923
	0.375937	3.107118	0.002213	0.148141
	0.19796	3.108094	0.002206	0.147887
	0.267074	3.106242	0.002219	0.14826
CCDC126;RAPGEF5;FAM221A	0.39575	3.107494	0.00221	0.148015
	0.271697	3.107884	0.002208	0.147919
	0.387121	3.10708	0.002213	0.148141
	0.288965	3.106952	0.002214	0.148156
	0.273517	3.106877	0.002215	0.148168
	0.336948	3.106496	0.002217	0.148256
FAM57A;C17orf97;GEMIN4	-0.41696	-3.10667	0.002216	0.148216
	0.384928	3.105659	0.002223	0.148316
	-0.17411	-3.10696	0.002214	0.148156
MYO9A;THSD4	-0.43214	-3.10742	0.002211	0.148027
PCSK6	-0.54128	-3.10562	0.002224	0.148316
	-0.21786	-3.10625	0.002219	0.14826
	0.256293	3.105601	0.002224	0.148316
	0.150739	3.106389	0.002218	0.14826
	0.204828	3.105748	0.002223	0.148316
CPS1;MAP2	0.331815	3.10376	0.002237	0.148588
UBASH3A	0.502096	3.106673	0.002216	0.148216
	0.366337	3.106296	0.002219	0.14826
	0.196093	3.104421	0.002232	0.148477
	0.295222	3.10632	0.002219	0.14826
FAM86JP;ALG1L	0.445287	3.10498	0.002228	0.148423
TNRC6C;CBX2;TNRC6C-AS1;ENSG00000178404;C1QTNF1	-0.25965	-3.10574	0.002223	0.148316
	0.248717	3.105794	0.002222	0.148316

EFCAB6;MCAT;TTLL1;BIK;CENPM;SMDT1;SCUBE1;EFCAB6-AS1;MPPED1;NAGA;A4GALT;ARFGAP3;CYB5R3;ATP5L2	-0.33351	-3.10504	0.002228	0.148423
	0.285438	3.105232	0.002226	0.148392
	-0.23306	-3.10596	0.002221	0.148316
	0.330759	3.104607	0.002231	0.148477
GIMAP5	-0.3876	-3.10469	0.00223	0.148477
	0.244421	3.105335	0.002226	0.148367
	0.390688	3.105588	0.002224	0.148316
	0.281409	3.105742	0.002223	0.148316
	-0.20392	-3.10497	0.002228	0.148423
	0.405717	3.104978	0.002228	0.148423
	-0.26493	-3.10537	0.002225	0.148367
LPXN;CTNND1;MPEG1	-0.48242	-3.10425	0.002233	0.148532
	0.281114	3.105376	0.002225	0.148367
SPATA24;DNAJC18;ECSCR;IK;CYSTM1;SLC23A1;TMEM173;NRG2;PAIP2;PURA;IGIP;TMCO6;MZB1	-0.30068	-3.10484	0.002229	0.148464
MXRA7;CYGB;RHBDF2;SYNGR2;TK1;SEC14L1;SEPT9	-0.44137	-3.10587	0.002222	0.148316
	-0.39261	-3.10577	0.002223	0.148316
	-0.36989	-3.10475	0.00223	0.148477
	0.191133	3.103427	0.002239	0.148672
	-0.41538	-3.10445	0.002232	0.148477
	0.220736	3.104424	0.002232	0.148477
CPEB4;ERGIC1	0.319227	3.103731	0.002237	0.148588
HSBP1;ENSG00000262601	-0.3174	-3.10374	0.002237	0.148588
	-0.4322	-3.10421	0.002234	0.148532
	0.307432	3.103918	0.002236	0.148588
	0.3201	3.102975	0.002243	0.148786
	-0.30401	-3.10338	0.00224	0.148672
CUEDC1	0.366806	3.104484	0.002232	0.148477
	0.141309	3.102323	0.002247	0.148786
	-0.31398	-3.10265	0.002245	0.148786
	0.366792	3.103252	0.002241	0.148694
	-0.381	-3.10251	0.002246	0.148786
	0.310608	3.104541	0.002231	0.148477
	0.300536	3.1037	0.002237	0.148588
STK10	-0.4782	-3.10247	0.002246	0.148786
	0.276592	3.102116	0.002249	0.148786
	-0.49655	-3.10375	0.002237	0.148588
	0.357949	3.104003	0.002235	0.148588
LAMB1;NRCAM	-0.33002	-3.10224	0.002248	0.148786
LINC00482;NOTUM;OGFOD3	-0.33699	-3.10393	0.002236	0.148588
HAAO;OXER1;FTOP1;DYNC2LI1;THADA;PLEKHH2;ENSG00000230587;ZFP36L2;ENSG00000231826;PPM1B	-0.49257	-3.10229	0.002247	0.148786
	-0.3574	-3.1021	0.002249	0.148786
SFMBT2;ENSG00000232807	-0.56752	-3.10348	0.002239	0.148668
	0.279981	3.102349	0.002247	0.148786

LINC00885	0.204492	3.101992	0.00225	0.148786
STK4;WFDC2;YWHAB;TP53RK;SNX21;DNTTIP1;SYS1	0.319493	3.102599	0.002245	0.148786
HS3ST1;ENSG00000251152	-0.44995	-3.10127	0.002255	0.148937
	0.36765	3.102055	0.002249	0.148786
	-0.18927	-3.10239	0.002247	0.148786
CTNNA1;ECSCR	-0.30536	-3.10323	0.002241	0.148694
	0.234452	3.10207	0.002249	0.148786
	0.252569	3.102895	0.002243	0.148786
BAIAP2;WDR45B	-0.26742	-3.10194	0.00225	0.148786
	0.439969	3.101967	0.00225	0.148786
	0.304902	3.101577	0.002253	0.148832
	-0.39005	-3.10199	0.00225	0.148786
	0.376894	3.101843	0.002251	0.148786
	-0.47244	-3.09981	0.002265	0.149193
	-0.40182	-3.10219	0.002248	0.148786
GPR65	-0.34429	-3.10192	0.00225	0.148786
CENPU;CASP3	0.703737	3.101893	0.00225	0.148786
	0.408594	3.101539	0.002253	0.148832
	-0.33014	-3.10165	0.002252	0.148826
COL6A1;COL18A1-AS1;COL18A1-AS2;COL18A1;ADARB1;COL6A2	0.294657	3.101895	0.00225	0.148786
	-0.23177	-3.10094	0.002257	0.149046
AP4M1;ZKSCAN1;ZNF3;ZCWPW1;BUD31;KPNA7	0.251368	3.100104	0.002263	0.149147
	0.340057	3.101781	0.002251	0.148786
	-0.3956	-3.09991	0.002265	0.149193
ERBB2;ENSG00000264198	-0.41012	-3.10102	0.002257	0.149032
	-0.36719	-3.10178	0.002251	0.148786
	0.374489	3.10029	0.002262	0.149127
	0.167195	3.100785	0.002258	0.149084
	0.18947	3.099809	0.002265	0.149193
	0.264899	3.100564	0.00226	0.149084
	-0.47451	-3.09864	0.002274	0.149468
	-0.37912	-3.10016	0.002263	0.149147
	0.32075	3.100372	0.002261	0.149123
	0.40663	3.100148	0.002263	0.149147
	0.324202	3.100666	0.002259	0.149084
	0.398067	3.098337	0.002276	0.149507
CLYBL	-0.58133	-3.09975	0.002266	0.149193
DEF8	-0.43087	-3.10073	0.002259	0.149084
PALD1	0.303348	3.100526	0.00226	0.149084
PARK7;RERE;SLC45A1	0.383645	3.100612	0.00226	0.149084
HMHA1	0.313806	3.100348	0.002261	0.149123
	0.251177	3.099718	0.002266	0.149193
PSMG3;CHST12	-0.32535	-3.09958	0.002267	0.149221
SPI1	0.431432	3.099549	0.002267	0.149221
	-0.28504	-3.10065	0.002259	0.149084
	-0.32487	-3.09951	0.002267	0.149221

LACE1	0.324908	3.098563	0.002274	0.149468
	0.25422	3.099354	0.002269	0.149251
	0.28259	3.098815	0.002273	0.149463
	0.318551	3.098965	0.002271	0.149414
	-0.34419	-3.09869	0.002273	0.149468
LTB;HLA-DOA;C4A;GPSM3	-0.34109	-3.09936	0.002269	0.149251
ADAMTSL2;LINC00094;ENSG00000224992;C9orf9;GBGT1;AK8; C9orf171	-0.2928	-3.09803	0.002278	0.149576
	-0.17119	-3.09762	0.002281	0.149619
	0.312964	3.099761	0.002266	0.149193
P4HTM;CDHR4;DALRD3;IP6K1;NDUFAF3;NME6;ZNF589;TCTA;FBXW12;PLXNB1;ENSG00000223343;UCN2;PRKAR2A-AS1	-0.40646	-3.09564	0.002296	0.149901
ENSG00000248399;ENSG00000206113;ENSG00000249428;WHSC1;NOP14	-0.30281	-3.09851	0.002275	0.149468
P4HTM;CDHR4;DALRD3;TCTA;NDUFAF3;COL7A1;NME6;ZNF589;IP6K1	-0.2745	-3.09854	0.002275	0.149468
	0.24191	3.097949	0.002279	0.149576
LTF;TGM4;LZTFL1;ZDHHC3;KIF15;ZNF502	-0.34389	-3.09715	0.002285	0.149619
GRHL2;SPAG1;RGS22;RNF19A;ENSG00000253299	0.383348	3.096526	0.002289	0.149683
ENSG00000233178	0.388795	3.097027	0.002286	0.149619
	0.302791	3.098428	0.002275	0.149486
	0.317428	3.098211	0.002277	0.149544
	0.3608	3.097902	0.002279	0.149576
C11orf88;BTG4;PIH1D2;POU2AF1;MIR34C;BCO2;DLAT;ENSG00000254980;ENSG00000255093;DIXDC1;ENSG00000255428;ENSG00000255208;C11orf53;COLCA2;C11orf1;COLCA1;ENSG00000214264	-0.45458	-3.09633	0.002291	0.149733
	0.343353	3.098121	0.002278	0.149564
	0.321579	3.097716	0.002281	0.149619
	-0.42583	-3.09751	0.002282	0.149619
	-0.35386	-3.09664	0.002288	0.149661
	0.317907	3.096967	0.002286	0.149619
	0.229508	3.097649	0.002281	0.149619
	0.303197	3.097184	0.002284	0.149619
	0.276204	3.09545	0.002297	0.149915
	-0.2453	-3.09791	0.002279	0.149576
	0.289153	3.098649	0.002274	0.149468
	0.261496	3.096948	0.002286	0.149619
SPDEF;PSMB8;PHF1;SLC39A7;PFDN6;BAK1	-0.37454	-3.09769	0.002281	0.149619
	0.288824	3.09707	0.002285	0.149619
	-0.22031	-3.09697	0.002286	0.149619
	0.30859	3.097434	0.002283	0.149619
	0.333803	3.095651	0.002296	0.149901
	0.267697	3.09741	0.002283	0.149619
	0.327448	3.0948	0.002302	0.150131
SLC45A1;CAMTA1	-0.50426	-3.09709	0.002285	0.149619

	0.359616	3.09622	0.002291	0.149761
ST6GALNAC1;SPHK1;SRSF2;SNHG16	-0.36402	-3.09642	0.00229	0.149711
	0.34755	3.096894	0.002287	0.149622
TBC1D10C;CTSW;PITPNM1;RBM14	0.405915	3.096705	0.002288	0.149661
ZKSCAN1;ZNF3;ZNHIT1;AP4M1;ZCWPW1	-0.41182	-3.09747	0.002282	0.149619
	0.411667	3.09588	0.002294	0.149878
	0.295246	3.097065	0.002285	0.149619
	0.328787	3.095456	0.002297	0.149915
	-0.32881	-3.09697	0.002286	0.149619
FUT2;PLA2G4C;EHD2	0.329898	3.096835	0.002287	0.149627
	0.381561	3.096622	0.002289	0.149661
	-0.54236	-3.09608	0.002293	0.149806
TRAF4;TIAF1;IFT20;KIAA0100;TWF1P1	-0.32216	-3.09579	0.002295	0.1499
FAM174B	-0.42296	-3.09473	0.002302	0.150131
FLI1;ARHGAP32;TMEM45B;TP53AIP1;ETS1;SENCR	-0.44595	-3.09564	0.002296	0.149901
	-0.35699	-3.09551	0.002297	0.149915
	-0.27563	-3.09522	0.002299	0.149981
ABHD2	0.323147	3.094583	0.002303	0.150138
	-0.34495	-3.09519	0.002299	0.149981
RASGRF1;DNAJA4;TBC1D2B;ADAMTS7;HMG20A;HYKK;ADAMTS7P3	0.335454	3.093652	0.00231	0.150464
	0.364453	3.095419	0.002297	0.149915
NOS3;REPIN1;CHPF2;CDK5;RARRES2;GIMAP8;GIMAP6;SMARCD3;GIMAP1	0.467619	3.094637	0.002303	0.150138
	-0.2898	-3.09475	0.002302	0.150131
	0.301425	3.09435	0.002305	0.150221
ENTPD1;ENTPD1-AS1	-0.38777	-3.09323	0.002313	0.150527
EHD3;ENSG00000235997;DPY30;YPEL5	0.296136	3.093457	0.002312	0.150488
JRKL;MTMR2	-0.30622	-3.09348	0.002312	0.150488
	0.330664	3.094155	0.002307	0.150291
	-0.33998	-3.09284	0.002316	0.150531
FTSJ2	0.250758	3.092777	0.002317	0.15054
PMEPA1	0.365902	3.094073	0.002307	0.150307
	0.358599	3.092861	0.002316	0.150531
	0.31427	3.092924	0.002316	0.150531
MFSD4;PIK3C2B	-0.51033	-3.09312	0.002314	0.150527
	-0.43363	-3.09311	0.002314	0.150527
EVI5	-0.53756	-3.09457	0.002304	0.150138
	-0.43131	-3.09322	0.002314	0.150527
NT5DC2	-0.37471	-3.09226	0.002321	0.150681
	-0.5451	-3.09393	0.002308	0.150354
RASAL3;SYDE1;NWD1;ENSG00000267275	-0.41213	-3.09315	0.002314	0.150527
	-0.19406	-3.09359	0.002311	0.150471
NABP1;MFSD6;INPP1;SDPR	-0.39532	-3.09309	0.002314	0.150527
	0.412786	3.091452	0.002327	0.150866
	0.284634	3.092945	0.002316	0.150531
PIGP;CBR1	-0.52141	-3.09248	0.002319	0.150639

	0.316887	3.090769	0.002332	0.15091
GPR124;FGFR1;RAB11FIP1;TACC1;DDHD2;ERLIN2	-0.42937	-3.09239	0.00232	0.150658
KIF26A;INF2;KIAA0125;AHNAK2	-0.39775	-3.09083	0.002331	0.15091
	-0.29238	-3.09259	0.002318	0.150607
CES3;B3GNT9;ACD	-0.30087	-3.09145	0.002327	0.150866
ALDH3B1	0.333582	3.092245	0.002321	0.150681
	-0.30599	-3.09204	0.002322	0.150759
POLD3;UCP2;PLEKHB1;DNAJB13;C2CD3;PPME1;PGM2L1;ENSG00000255847;KCNE3;ENSG00000254837;SLCO2B1	-0.41422	-3.09051	0.002334	0.150969
	0.133286	3.091432	0.002327	0.150866
	0.219525	3.091327	0.002328	0.150893
ENSG00000264198;IKZF3;PLXDC1;ERBB2	-0.26642	-3.09302	0.002315	0.150531
RBMS3	0.390658	3.09155	0.002326	0.150866
	0.344969	3.091481	0.002326	0.150866
ITGAE;ASPA	-0.40493	-3.09185	0.002324	0.150826
TTC28	0.39208	3.091634	0.002325	0.150866
HN1L;SOX8;RGS11;NME4;POLR3K;ENSG00000260051;UNKL	-0.30978	-3.09112	0.002329	0.15091
SKAP1;PRR15L;HOXB4;HOXB3;ITGB3	-0.2548	-3.09077	0.002332	0.15091
	-0.30558	-3.09027	0.002335	0.151029
NRXN2;SLC25A45;RASGRP2;SYVN1;MAP4K2;CTSW;CCDC88B;OVOL1	0.33507	3.09103	0.00233	0.15091
PRKCB;ARHGAP17	-0.49451	-3.0917	0.002325	0.150866
FAM83H-AS1;RHPN1-AS1;ARHGAP39;ENSG00000254973;FAM83H;MAPK15;RHPN1;MIR4664;PYCRL;TOP1MT;ZNF623;C8orf31;EEF1D	-0.38561	-3.09079	0.002331	0.15091
	-0.44577	-3.08967	0.00234	0.151029
TTC28	-0.33006	-3.09086	0.002331	0.15091
	0.227324	3.089704	0.00234	0.151029
LRBA;DCLK2	-0.52489	-3.09123	0.002328	0.150897
	0.298454	3.090157	0.002336	0.151029
	-0.35623	-3.08956	0.002341	0.151058
ALS2CR12;AOX1;CFLAR;CASP8;ENSG00000252759	0.254671	3.091224	0.002328	0.150897
SKI;MEGF6;TP73-AS1;RER1	0.303128	3.090102	0.002337	0.151029
SUN1;HEATR2	0.336933	3.089709	0.00234	0.151029
	-0.32482	-3.08979	0.002339	0.151029
FNDC1;RSPH3	-0.29332	-3.09071	0.002332	0.150915
	0.177197	3.089714	0.00234	0.151029
CASZ1;ENSG00000234546;PEX14	-0.41181	-3.08884	0.002346	0.151142
CXCR2;SPEG;CXCR2P1;PNKD;TNS1	0.306367	3.091052	0.00233	0.15091
	-0.35952	-3.09096	0.00233	0.15091
HSPBP1;BRSK1;NAT14;DNAAF3;ZSCAN5A;ENSG00000267549;SSC5D;ZSCAN5D;ZNF580;LILRB1	0.305511	3.089758	0.002339	0.151029
ENSG00000005189	-0.39536	-3.09056	0.002333	0.150965
	0.324506	3.089274	0.002343	0.151082
ATP5O	0.544807	3.089485	0.002341	0.151072
ZNF354C;FLT4;ADAMTS2;RNF130	-0.42633	-3.08822	0.002351	0.151157

SELP;ATP1B1;SELL	-0.3281	-3.0879	0.002353	0.151208
	-0.27581	-3.08995	0.002338	0.151029
	0.314014	3.090366	0.002335	0.151013
	0.215183	3.089748	0.002339	0.151029
PIGR;PFKFB2;CD34;CD46;C1orf186;PLXNA2;DYRK3;CR1L	-0.47057	-3.08969	0.00234	0.151029
	0.338367	3.089954	0.002338	0.151029
	0.360986	3.089061	0.002344	0.151104
	-0.24215	-3.08985	0.002339	0.151029
TRNP1;MED18	-0.32736	-3.08936	0.002342	0.151082
	0.34626	3.086316	0.002365	0.15162
SERPINB9;SLC22A23;ENSG00000272320;ENSG00000233068	0.354319	3.089368	0.002342	0.151082
FAM198A;TRAK1;ZBTB47;ULK4;ZNF662;HHATL-AS1;CCDC13	-0.4842	-3.08877	0.002347	0.151142
PITPNM2;WDR66;LRRC43;SNRNP35	-0.383	-3.08834	0.00235	0.151142
PCDH12	0.252055	3.088825	0.002346	0.151142
	-0.27216	-3.08913	0.002344	0.151104
	0.20199	3.089219	0.002343	0.151085
	-0.21118	-3.08842	0.002349	0.151142
	-0.19202	-3.08778	0.002354	0.15123
RPL26	-0.3248	-3.08799	0.002352	0.151197
	0.300133	3.088444	0.002349	0.151142
CAMSAP1;EGFL7;GPSM1	-0.48381	-3.08871	0.002347	0.151142
	-0.30413	-3.08865	0.002347	0.151142
RHBDF2	-0.26688	-3.0893	0.002343	0.151082
	0.298292	3.089039	0.002345	0.151104
	0.263054	3.085824	0.002369	0.151675
PDCD6;TPPP;LPCAT1;TRIP13;NKD2;ZDHHC11B	-0.58189	-3.08835	0.00235	0.151142
HSPA12A;GFRA1;ATRNL1	-0.35637	-3.08835	0.00235	0.151142
	0.275979	3.087151	0.002359	0.151357
	-0.37626	-3.0887	0.002347	0.151142
	0.475125	3.088031	0.002352	0.151197
	0.358399	3.088315	0.00235	0.151142
	0.327601	3.086633	0.002363	0.151512
	0.292196	3.087878	0.002353	0.151208
	-0.31515	-3.08666	0.002362	0.151512
IFFO1;NTF3	0.325623	3.088297	0.00235	0.151142
HES6	-0.42073	-3.08739	0.002357	0.151357
	-0.48865	-3.08863	0.002348	0.151142
AAGAB;SMAD6	-0.26154	-3.08721	0.002358	0.151357
CUL2;CREM	0.380477	3.085546	0.002371	0.151708
SEC23IP	0.240697	3.087364	0.002357	0.151357
ATM	0.322118	3.087155	0.002359	0.151357
FARP1;STK24;GPR183	-0.55146	-3.08811	0.002352	0.151188
	0.371289	3.08702	0.00236	0.151394
SLC2A8	-0.52515	-3.08638	0.002364	0.151613
HES2;ESPN;ICMT	-0.21415	-3.08664	0.002363	0.151512

	-0.57963	-3.08749	0.002356	0.151348
	-0.26539	-3.08587	0.002368	0.151675
	0.299506	3.085474	0.002371	0.151708
	-0.28725	-3.08714	0.002359	0.151357
ARHGAP9	-0.28824	-3.08536	0.002372	0.151708
	0.308129	3.08722	0.002358	0.151357
	-0.33438	-3.08611	0.002367	0.151672
ARHGEF10;MYOM2	0.337669	3.085875	0.002368	0.151675
CIR1;GPR155;CHN1	-0.46607	-3.08486	0.002376	0.151755
ST6GALNAC1	0.268401	3.08491	0.002376	0.151754
	0.328934	3.086066	0.002367	0.151672
LCNL1;PTGDS	-0.4549	-3.08551	0.002371	0.151708
	0.249159	3.085863	0.002368	0.151675
	0.34346	3.086215	0.002366	0.151646
	0.328828	3.084803	0.002376	0.151758
OLFM1;GPSM1;COL5A1;EGFL7;NOTCH1;C9orf163	-0.27814	-3.08563	0.00237	0.151708
	-0.27327	-3.08438	0.00238	0.151804
SH3BP2;STX18;TMEM128;FAM193A	-0.32921	-3.08525	0.002373	0.151708
	0.329245	3.085528	0.002371	0.151708
	0.218851	3.084395	0.002379	0.151804
	0.413763	3.085094	0.002374	0.151733
	-0.17753	-3.08503	0.002375	0.151739
NXN;GEMIN4;PITPNA;MYO1C;SLC43A2;INPP5K;ENSG00000262003	0.491257	3.083557	0.002386	0.151894
IL23R;IL12RB2	-0.4734	-3.08563	0.00237	0.151708
	0.232709	3.084399	0.002379	0.151804
	0.248187	3.084532	0.002378	0.151804
	-0.31072	-3.08511	0.002374	0.151733
ANKH;RBBP4P1;DNAH5	-0.52959	-3.08528	0.002373	0.151708
EFHC1;GSTA1;TRAM2;ENSG00000216775;GSTA7P;GSTA3;GSTA2	-0.45645	-3.08476	0.002377	0.151758
	-0.22036	-3.08415	0.002381	0.151827
	0.403537	3.085267	0.002373	0.151708
	0.240659	3.084148	0.002381	0.151827
	0.420688	3.08353	0.002386	0.151894
DOC2B	0.258378	3.084956	0.002375	0.151754
CSF2RB;MFNG;CYTH4;SH3BP1;NCF4	-0.28697	-3.08585	0.002368	0.151675
	0.334381	3.083123	0.002389	0.151894
	-0.71445	-3.08397	0.002383	0.151852
	-0.31846	-3.08244	0.002394	0.15199
	0.337836	3.083349	0.002387	0.151894
	0.323961	3.083986	0.002383	0.151852
	-0.29728	-3.08415	0.002381	0.151827
	-0.34847	-3.08432	0.00238	0.151813
MXRA8;SKI;SSU72;ANKRD65;RER1;VWA1;NADK;PRDM16;AURKAIP1	-0.37599	-3.08308	0.002389	0.151894
	0.372419	3.083616	0.002385	0.151894

SLC43A2;PITPNA;INPP5K	0.39666	3.085239	0.002373	0.151708
	0.353964	3.083255	0.002388	0.151894
FENDRR;FOXF1	0.354738	3.083567	0.002386	0.151894
	-0.20643	-3.08448	0.002379	0.151804
SLC9A4;SLC9A2	-0.35664	-3.08242	0.002394	0.15199
	0.312918	3.082677	0.002393	0.15199
SLIT3	0.333999	3.083124	0.002389	0.151894
HMHA1	-0.40155	-3.0847	0.002377	0.151763
	0.440983	3.083832	0.002384	0.151888
	0.266844	3.083245	0.002388	0.151894
	-0.23644	-3.08245	0.002394	0.15199
ITGB2;COL6A1;ADARB1;COL6A2;COL18A1	-0.41907	-3.08305	0.00239	0.151894
	0.369858	3.08331	0.002388	0.151894
	-0.35788	-3.08252	0.002394	0.15199
	-0.21482	-3.08258	0.002393	0.15199
	0.349115	3.082236	0.002396	0.15205
	-0.3066	-3.08379	0.002384	0.151888
	-0.19358	-3.08338	0.002387	0.151894
	0.353164	3.081789	0.002399	0.152144
ENSG00000260432;GRIN2A	-0.54066	-3.08339	0.002387	0.151894
TPRXL;TMEM40;VN1R21P;C3orf83;CHCHD4;FBLN2	-0.4027	-3.08395	0.002383	0.151852
	-0.43009	-3.08282	0.002391	0.151948
	-0.29768	-3.08197	0.002398	0.152133
	-0.32654	-3.08118	0.002404	0.152255
WDR49;EGFEM1P	-0.40316	-3.08126	0.002403	0.152255
CENPU;CASP3	0.29602	3.080818	0.002407	0.152296
DNPH1;TCTE1;RSPH9;LRRC73;CNPY3;KLC4;PEX6;CUL7;SRF;GN				
MT;ENSG00000272442;SPATS1;CAPN11;HSP90AB1	-0.35648	-3.08303	0.00239	0.151894
IQCG;LMLN;BDH1	-0.46989	-3.08331	0.002388	0.151894
	0.278648	3.082406	0.002395	0.15199
FMNL1;ENSG00000267121;PLCD3	-0.22338	-3.08297	0.00239	0.151897
	0.357373	3.081834	0.002399	0.152144
	0.326238	3.081142	0.002404	0.152255
	-0.28735	-3.07835	0.002426	0.152705
	0.322682	3.08154	0.002401	0.152206
	0.287634	3.081762	0.002399	0.152144
HOXB4;HOXB- AS2;HOXB3;TBKBP1;PRR15L;HOXB6;MIR10A;HOXB- AS3;NPEPPS;CALCOCO2	-0.3398	-3.08097	0.002406	0.152255
SIRPA;TGM3;HSPA12B;CPXM1;ADAM33;SLC4A11	0.232988	3.081679	0.0024	0.152161
	0.366287	3.081292	0.002403	0.152255
RASL12;SNX1;SLC51B;ZNF609;PARP16;RBPMS2	0.266977	3.081112	0.002404	0.152255
SNORA74A	0.144988	3.081828	0.002399	0.152144
	0.25706	3.079753	0.002415	0.152522
CEACAM5;AXL;CEACAM6;ARHGEF1;GRIK5;CXCL17;TGFB1;CEAC AM7	-0.31649	-3.08199	0.002398	0.152133
	0.166087	3.080012	0.002413	0.15245

	0.381979	3.080723	0.002407	0.152308
	-0.65861	-3.08017	0.002412	0.152439
	-0.32289	-3.08033	0.00241	0.152406
	-0.23705	-3.08113	0.002404	0.152255
	0.289406	3.081027	0.002405	0.152255
	0.473113	3.08101	0.002405	0.152255
	0.368108	3.08147	0.002402	0.152218
MYO5B;SMAD7;ENSG00000267322	0.585888	3.078458	0.002425	0.152705
TACR1;HK2;ENSG00000234521	-0.23063	-3.08012	0.002412	0.152439
	-0.39723	-3.08059	0.002408	0.152329
	-0.32737	-3.07982	0.002414	0.15252
	-0.17891	-3.07961	0.002416	0.152531
	-0.24159	-3.08063	0.002408	0.152329
	0.364853	3.080795	0.002407	0.152296
	-0.37948	-3.08037	0.00241	0.152406
	0.313045	3.079291	0.002418	0.152541
SHANK2;SHANK2-AS1;SHANK2-AS2	0.263953	3.078227	0.002427	0.152719
	0.131235	3.078724	0.002423	0.152669
	-0.53532	-3.08025	0.002411	0.152425
PSMG3-AS1;HEATR2;PDGFA;SUN1;ELFN1;FAM20C	-0.4292	-3.07786	0.002429	0.152771
	0.32069	3.078397	0.002425	0.152705
DPY19L2	-0.2459	-3.07972	0.002415	0.152522
	0.383463	3.079645	0.002416	0.152531
SLC2A10;TP53RK;SLC13A3	-0.36021	-3.07927	0.002419	0.152541
	-0.47961	-3.07923	0.002419	0.152541
	-0.32236	-3.07943	0.002417	0.152538
	-0.24326	-3.07886	0.002422	0.152647
	-0.24616	-3.07943	0.002417	0.152538
	0.36428	3.08008	0.002412	0.152439
	0.407008	3.079413	0.002417	0.152538
	0.36674	3.079174	0.002419	0.152541
DNPH1;PEX6;KLC4;MDFI;SRF;PRICKLE4;KLHDC3;CNPY3;TRERF1; CUL7;C6orf226	-0.43264	-3.07832	0.002426	0.152705
	0.337535	3.078204	0.002427	0.152719
FCHSD2;PPME1;DNAJB13;C2CD3;STARD10;UCP2	0.320552	3.079442	0.002417	0.152538
IL15;ENSG00000250698	0.450949	3.079208	0.002419	0.152541
FAM57A;RPH3AL;ENSG00000262003	-0.4551	-3.07813	0.002427	0.152734
	0.2571	3.078015	0.002428	0.152743
	0.249975	3.07876	0.002422	0.152669
	0.336101	3.078421	0.002425	0.152705
	0.35725	3.076975	0.002436	0.153047
GAPVD1	0.412943	3.078382	0.002425	0.152705
PGD;ANGPTL7;CASZ1	-0.47791	-3.07808	0.002428	0.152736
ZNF362	-0.30843	-3.07836	0.002426	0.152705
KIAA0513	0.341408	3.077683	0.002431	0.152837
	0.368697	3.078865	0.002422	0.152647
TTC7B	-0.32216	-3.07746	0.002433	0.152923

SUN1;HEATR2;PDGFA;PSMG3-AS1;FAM20C;ELFN1;PRKAR1B;PSMG3;ENSG00000242474;CYP2W1;GPR146;ENSG00000249852	-0.52638	-3.07686	0.002437	0.153077
	0.31878	3.076763	0.002438	0.153077
TNXB;SLC44A4;LY6G5C;DDAH2;C6orf10;ENSG00000225914;DDR1;VWA7;NOTCH4	-0.31451	-3.0768	0.002438	0.153077
	-0.31405	-3.07655	0.00244	0.153108
DNAJB12;MCU;SPOCK2	0.413034	3.077119	0.002435	0.153021
	-0.33665	-3.07713	0.002435	0.153021
	0.491619	3.077864	0.002429	0.152771
	0.296698	3.076727	0.002438	0.153077
	0.316148	3.076137	0.002443	0.153206
	-0.21799	-3.07417	0.002458	0.153602
	0.321477	3.07573	0.002446	0.153343
	-0.26171	-3.07697	0.002436	0.153047
	0.148166	3.075067	0.002451	0.153457
	0.29343	3.077337	0.002433	0.15296
	-0.323	-3.07555	0.002447	0.153343
HLA-DOA;TAP2;HLA-DMA	0.322259	3.076497	0.00244	0.153108
	0.291645	3.076215	0.002442	0.153191
SNORA23	-0.34289	-3.07648	0.00244	0.153108
STK24	-0.30482	-3.0753	0.002449	0.153412
	0.396055	3.075438	0.002448	0.153367
ENSG00000214067	0.287185	3.075646	0.002447	0.153343
	0.348213	3.076414	0.002441	0.153116
TEAD2;VRK3;CPT1C;FUZ;ZNF473;MYH14	-0.30844	-3.0756	0.002447	0.153343
HHIPL1	-0.39962	-3.07507	0.002451	0.153457
	-0.37385	-3.07553	0.002447	0.153343
	0.332404	3.075537	0.002447	0.153343
	-0.17822	-3.07444	0.002456	0.153585
	0.355133	3.073351	0.002464	0.153665
	0.288212	3.07607	0.002443	0.153216
DMRTA2;TTC39A	0.488224	3.074788	0.002453	0.153486
	0.243894	3.0765	0.00244	0.153108
DUOXA1;DUOX1;GATM;DUOX2	-0.8153	-3.07525	0.00245	0.153415
ANXA6;PDGFRB;MYOZ3;SYNPO;SPARC;ARSI;ENSG00000249035	0.346291	3.074959	0.002452	0.153469
	-0.28716	-3.0749	0.002452	0.153469
PFKFB2;CD34;DYRK3;PIGR	-0.36215	-3.07265	0.00247	0.153733
PGD;FBXO6;KIF1B;APITD1	0.448956	3.074685	0.002454	0.153486
FHAD1;ENSG00000228140;HSPB7;FBLIM1;KAZN;DNAJC16	0.368471	3.073901	0.00246	0.153621
	0.366766	3.074696	0.002454	0.153486
IL23R	0.431771	3.073388	0.002464	0.153665
HAAO;PLEKHH2;MTA3;ENSG00000229695;OXER1;ENSG00000231826;ENSG00000230587	-0.49361	-3.07369	0.002462	0.153665
YWHAZ	0.545338	3.074703	0.002454	0.153486

	-0.37187	-3.07431	0.002457	0.153599
	-0.26001	-3.07421	0.002458	0.153602
	0.274451	3.074921	0.002452	0.153469
	-0.30204	-3.07397	0.00246	0.153621
ENSG00000272520;MTRR;SRD5A1	0.316954	3.073976	0.00246	0.153621
	0.337889	3.073033	0.002467	0.153731
SLC37A1;CSTB;CBS;ICOSLG;PDE9A;ENSG00000225331	-0.48428	-3.07326	0.002465	0.153665
	-0.36832	-3.07439	0.002456	0.153585
	0.247489	3.073388	0.002464	0.153665
	0.347342	3.073271	0.002465	0.153665
	-0.28698	-3.07412	0.002458	0.153603
	0.333826	3.073292	0.002465	0.153665
TCP11L1;PIGCP1	-0.28041	-3.07332	0.002465	0.153665
NRROS;LRCH3;DLG1;BDH1	-0.35593	-3.07286	0.002468	0.153733
	0.238707	3.074269	0.002457	0.153599
ZNF259	-0.23298	-3.07261	0.00247	0.153733
DHX32;BCCIP;FANK1;ADAM12;LHPP;UROS	0.495606	3.07337	0.002464	0.153665
	0.25284	3.071312	0.00248	0.153905
ENSG00000260682;PLCG2;CDYL2;C16orf46	-0.29116	-3.07354	0.002463	0.153665
PYCARD;ITGAL;ITGAX	-0.72069	-3.07393	0.00246	0.153621
	0.300848	3.073092	0.002466	0.153725
GAS8;ENSG00000260259;SPATA33;GALNS;PIEZO1;C16orf3;CYB A	-0.33089	-3.07285	0.002468	0.153733
HMHA1;GNG7;TCF3;ARID3A	-0.39393	-3.07348	0.002463	0.153665
PHLPP1	0.232939	3.073318	0.002465	0.153665
	0.233047	3.072669	0.00247	0.153733
STK33;C11orf16;TUB;AKIP1;ENSG00000252778;DENND5A;ENS G00000248332;WEE1;SBF2	-0.57752	-3.07018	0.002489	0.153931
C14orf79;ADSSL1;INF2;CDCA4	-0.42791	-3.07146	0.002479	0.153905
	-0.35174	-3.07092	0.002484	0.153921
IKZF1	0.415437	3.072399	0.002472	0.153816
	-0.27042	-3.07053	0.002487	0.153931
	0.28401	3.070669	0.002486	0.153931
KIF18B;ITGA2B	-0.28399	-3.07281	0.002469	0.153733
	-0.43659	-3.0713	0.002481	0.153905
NFIX;PODNL1;ENSG00000267610;NACC1;ZNF136	-0.28971	-3.07071	0.002485	0.153931
	0.296823	3.070261	0.002489	0.153931
	0.348325	3.072104	0.002474	0.153905
	-0.40137	-3.07198	0.002475	0.153905
SKI;PRKCZ	-0.48658	-3.07144	0.002479	0.153905
	-0.52863	-3.07286	0.002468	0.153733
	-0.42662	-3.07132	0.00248	0.153905
	0.296485	3.072718	0.002469	0.153733
	-0.25313	-3.07201	0.002475	0.153905
PMP22	-0.40748	-3.07127	0.002481	0.153905
	0.210673	3.072132	0.002474	0.153905
	-0.32453	-3.07267	0.00247	0.153733

	0.367558	3.071095	0.002482	0.153905
LRRC56;RASSF7	0.375062	3.071179	0.002481	0.153905
WDR45B;NOTUM;PCYT2;METRNL;MAFG-AS1;LRRC45;CCDC57	-0.37465	-3.0713	0.002481	0.153905
	0.217366	3.071473	0.002479	0.153905
WDR54;RTKN;ALMS1;C2orf81;TTC31;BOLA3;FBXO41;CCDC142;MOGS;TACR1;HTRA2;LOXL3;MOB1A;DGUOK;ENSG00000234521;HK2	-0.46992	-3.07162	0.002478	0.153905
	0.311411	3.070203	0.002489	0.153931
ENSG00000267288	0.23702	3.071611	0.002478	0.153905
	0.348885	3.070696	0.002485	0.153931
	-0.41522	-3.07204	0.002475	0.153905
HCP5;HLA-B;HLA-C	0.356746	3.071345	0.00248	0.153905
	0.268679	3.06961	0.002494	0.153955
LCN2	0.223936	3.069368	0.002496	0.153962
	0.380965	3.07035	0.002488	0.153931
	0.267385	3.069258	0.002497	0.153966
	0.217861	3.071072	0.002482	0.153905
PTGDS;LCNL1	0.28996	3.071532	0.002479	0.153905
NUDT8;DPP3;ALDH3B2	-0.3452	-3.07122	0.002481	0.153905
PPP1R26-AS1;ENSG00000264527;LCNL1;C9orf116;UBAC1;UAP1L1;SNHG7;PTGDS;ENSG00000233936;GPSM1;OLFM1	-0.30169	-3.07163	0.002478	0.153905
	0.259589	3.070201	0.002489	0.153931
TBC1D10C;ALDH3B1	-0.38477	-3.07189	0.002476	0.153905
	0.266844	3.071104	0.002482	0.153905
	0.348047	3.070267	0.002489	0.153931
SLC2A3;CLSTN3;SCNN1A;IFFO1;ENSG00000256967	-0.3186	-3.0709	0.002484	0.153921
	-0.19247	-3.06987	0.002492	0.153943
HLA-F;PPP1R10	0.304671	3.069605	0.002494	0.153955
ATP8B2	0.346968	3.070855	0.002484	0.153921
FN3K;CD7	-0.56624	-3.07044	0.002487	0.153931
RASL12;SLC51B;MAP2K1	-0.33996	-3.0712	0.002481	0.153905
	-0.33283	-3.07086	0.002484	0.153921
	0.212161	3.068595	0.002502	0.154085
	0.389835	3.069987	0.002491	0.153931
RPS2P32	0.327469	3.070057	0.00249	0.153931
ENSG00000233006	0.209629	3.069345	0.002496	0.153962
EGFL7	0.205005	3.069418	0.002495	0.153962
	-0.20225	-3.07017	0.002489	0.153931
	0.323691	3.070227	0.002489	0.153931
	0.553719	3.070345	0.002488	0.153931
BCCIP;DHX32;FANK1;CTBP2	-0.34799	-3.06788	0.002508	0.154153
PRR26	-0.58505	-3.06978	0.002493	0.153943
	0.41135	3.069762	0.002493	0.153943
	0.31375	3.069577	0.002494	0.153955
	0.350053	3.069553	0.002494	0.153955

	-0.24931	-3.06984	0.002492	0.153943
	-0.37237	-3.07006	0.00249	0.153931
NHSL1;HEBP2;REPS1;KIAA1244;PERP;ENSG00000220600;ENSG00000220412	-0.4315	-3.06799	0.002507	0.154139
	0.264312	3.07008	0.00249	0.153931
ENTPD7;CHUK;BLOC1S2	0.296456	3.068771	0.002501	0.154085
NXPH3;COL1A1;MBTD1	0.329703	3.068581	0.002502	0.154085
	0.225384	3.069461	0.002495	0.153962
IGF2BP2	0.385151	3.069968	0.002491	0.153931
ADH7;ADH1B;DDIT4L;EMCN;METAP1;DAPP1	-0.42669	-3.06931	0.002496	0.153962
	0.32545	3.068984	0.002499	0.154055
	0.237298	3.068326	0.002504	0.154111
	-0.18449	-3.06848	0.002503	0.154085
TTC5;CCNB1IP1	0.276454	3.067807	0.002508	0.154164
	0.310519	3.067523	0.00251	0.154192
WNT9A	-0.28003	-3.06883	0.0025	0.154084
LINC00511;SSTR2	-0.48508	-3.06708	0.002514	0.15432
C15orf26;ARNT2	0.439656	3.068726	0.002501	0.154085
	0.372198	3.068908	0.002499	0.15407
FUOM	-0.43093	-3.06847	0.002503	0.154085
	0.452843	3.068343	0.002504	0.154111
	0.312383	3.069002	0.002499	0.154055
	0.364404	3.067001	0.002515	0.154337
	0.294128	3.06863	0.002502	0.154085
DNAJC16;KAZN;DDI2;FBLIM1	-0.31893	-3.06592	0.002523	0.154539
IGHM;IGHA1;IGHV3-21;KIAA0125;IGHV3-23;IGHV4-39;IGHV3-15;IGHJ3P;JAG2;IGHG2;C14orf79;INF2;IGHA2	-0.30227	-3.06756	0.00251	0.154192
	-0.33776	-3.06807	0.002506	0.154124
	-0.20569	-3.06768	0.002509	0.154182
ADAMTSL2;SARDH;MED22;GBGT1;C9orf171;C9orf9;AK8;DBH-AS1	0.255267	3.06817	0.002505	0.15412
HLA-F;HLA-A;HLA-E	-0.48254	-3.06851	0.002503	0.154085
IL32;GLIS2;ENSG00000262370	-0.34886	-3.06819	0.002505	0.15412
	-0.41822	-3.06637	0.00252	0.154466
PCED1B-AS1;PCED1B;ANO6	-0.36068	-3.06672	0.002517	0.154402
	0.28786	3.067608	0.00251	0.154192
	0.238593	3.066687	0.002517	0.154402
F10	-0.29054	-3.06747	0.002511	0.154194
ENSG00000232756;CCDC146;PTPN12	0.500616	3.066721	0.002517	0.154402
RAB3IL1;MS4A8;FADS3;FADS2;AHNAK;PPP1R32	-0.47405	-3.06811	0.002506	0.154124
DEFB1	-0.51124	-3.06821	0.002505	0.15412
	0.479422	3.067916	0.002507	0.154153
ENSG00000229605	-0.26153	-3.06723	0.002513	0.154289
	-0.36209	-3.06656	0.002518	0.15442
ZNF19;ZNF23	-0.27237	-3.06558	0.002526	0.154632
CARD8	-0.50799	-3.06773	0.002509	0.15418
LINC00930	0.336982	3.066607	0.002518	0.154419

RER1	0.362163	3.066894	0.002515	0.154367
ENSG00000223561;MPP6;OSBPL3	-0.40193	-3.06647	0.002519	0.15444
PITPNM2;HCAR2;CLIP1;GTF2H3;ZNF664;FAM101A	-0.47508	-3.06632	0.00252	0.154469
	0.371155	3.065734	0.002525	0.15459
	0.343736	3.067112	0.002514	0.15432
	0.121614	3.066057	0.002522	0.154528
	0.284975	3.064515	0.002534	0.154787
ISLR	-0.40222	-3.06591	0.002523	0.154539
	-0.25485	-3.06571	0.002525	0.15459
WNT2B;KCND3;DENND2D;ENSG00000231246;WDR77;KCND3-AS1	0.304044	3.066022	0.002522	0.154528
	0.225405	3.066209	0.002521	0.15448
	0.2542	3.064751	0.002533	0.154787
	-0.46533	-3.06494	0.002531	0.154787
	-0.29673	-3.06454	0.002534	0.154787
	0.274007	3.064153	0.002537	0.154824
POLD3;PGM2L1;ARHGEF17;UCP2;ENSG00000254837;C2CD3;DNAJB13;PLEKHB1;MRPL48;KCNE3	-0.29452	-3.06433	0.002536	0.154801
LYNX1	-0.4779	-3.06628	0.00252	0.154469
INTS4L1;TPST1;ENSG00000229064;ENSG00000237026	-0.38927	-3.06474	0.002533	0.154787
	0.254915	3.064626	0.002534	0.154787
MRPL37;TTC22;CPT2;MROH7;YIPF1	0.359508	3.062847	0.002548	0.155114
	0.278578	3.065	0.002531	0.154787
RASGRP3	-0.3455	-3.06511	0.00253	0.154787
NR3C1	0.385445	3.064766	0.002532	0.154787
	-0.36428	-3.06423	0.002537	0.154824
	-0.28041	-3.06506	0.00253	0.154787
	-0.22632	-3.06418	0.002537	0.154824
	0.420353	3.064838	0.002532	0.154787
LIPH	-0.35705	-3.06463	0.002534	0.154787
	-0.32568	-3.06446	0.002535	0.154787
	0.352393	3.064869	0.002532	0.154787
	-0.32741	-3.06481	0.002532	0.154787
	0.454349	3.065026	0.00253	0.154787
	-0.24062	-3.06404	0.002538	0.154856
	-0.28257	-3.06444	0.002535	0.154787
CCDC64B;CLUAP1;ENSG00000205890;ENSG00000272079;IL32	0.615174	3.064487	0.002535	0.154787
	-0.26265	-3.06365	0.002541	0.154961
	0.313814	3.06323	0.002545	0.15509
TTBK2;TP53BP1;EPB42;ZNF106;CCNDBP1;TYRO3	-0.36044	-3.06266	0.002549	0.155136
RQCD1;TNS1;ENSG00000224414;STK36;TTLL4;DIRC3;GLB1L;STK16	-0.38958	-3.06192	0.002555	0.155257
	-0.35128	-3.06334	0.002544	0.15509
LRRC27;TTC40;TUBGCP2;KNDC1	-0.41259	-3.06288	0.002548	0.155114
	0.432355	3.064408	0.002535	0.154787
	-0.2398	-3.06272	0.002549	0.155136

	0.3993	3.062306	0.002552	0.155245
	0.348855	3.062254	0.002553	0.155245
PLAC8;AGPAT9	-0.37361	-3.06298	0.002547	0.155112
WDR66;MORN3;LRRC43;UNC119B;TMEM120B;KNTC1;VPS33A ;ENSG00000256546;CAMKK2;ANAPC5;BCL7A;ZCCHC8;P2RX7;O RAI1	-0.46895	-3.06101	0.002563	0.155384
	0.326361	3.062216	0.002553	0.155245
HN1L;NME4;UNKL;ENSG00000196674;SOX8;TMEM204;IFT140; CCDC78;NHLRC4;ENSG00000260807;ENSG00000261659;HAG H;CACNA1H	-0.47482	-3.06372	0.002541	0.154946
	0.200262	3.063963	0.002539	0.154873
	0.2669	3.063196	0.002545	0.15509
KIF21B;PTPN7;UBE2T;PPP1R12B	0.276171	3.061982	0.002555	0.155257
ENSG00000254561;CBL;USP2- AS1;PDZD3;MCAM;USP2;ENSG00000254590	0.352119	3.063784	0.00254	0.154939
	0.34356	3.061862	0.002556	0.155257
HES2;ESPN;CAMTA1;CHD5;ICMT	-0.35248	-3.06181	0.002556	0.155257
	0.288914	3.06316	0.002545	0.15509
C14orf79;ADSSL1;AHNAK2	-0.33314	-3.06143	0.002559	0.155263
NUDT1	0.389111	3.063022	0.002546	0.155112
FMN1	0.352473	3.061966	0.002555	0.155257
	-0.50396	-3.06321	0.002545	0.15509
	0.379782	3.062841	0.002548	0.155114
	0.315975	3.062619	0.00255	0.155136
CACNA1C;CACNA1C-IT3	-0.51105	-3.06164	0.002558	0.155263
	-0.22181	-3.06123	0.002561	0.155334
TTYH2;SLC9A3R1	-0.30174	-3.06147	0.002559	0.155263
	0.312118	3.062088	0.002554	0.155257
TP73	0.242365	3.062616	0.00255	0.155136
COL6A3	0.320029	3.060673	0.002565	0.155463
	-0.3433	-3.06303	0.002546	0.155112
SPIRE2;GAS8;ENSG00000260259;SPATA33;GALNS	-0.44708	-3.06182	0.002556	0.155257
	0.206324	3.061639	0.002558	0.155263
	0.470512	3.06186	0.002556	0.155257
	-0.30204	-3.06042	0.002568	0.155553
TSPAN17;FGFR4;COL23A1;LMAN2	0.508207	3.062215	0.002553	0.155245
	0.359128	3.060296	0.002569	0.155592
	0.145254	3.061772	0.002557	0.155257
	-0.21808	-3.06141	0.002559	0.155263
	0.552313	3.060988	0.002563	0.155384
	-0.34824	-3.06153	0.002559	0.155263
PNP;RNASE1;LINC00641;RPPH1;HNRNPC	-0.38218	-3.06065	0.002566	0.155463
	0.450722	3.059669	0.002574	0.155644
WDR45B;NOTUM	0.371755	3.059565	0.002574	0.155644
	0.20871	3.060694	0.002565	0.155463
	-0.22268	-3.06007	0.00257	0.155613
	0.302858	3.060224	0.002569	0.155606

	0.285063	3.061044	0.002562	0.155384
CD300A;CD300LF	-0.43449	-3.06174	0.002557	0.155257
	0.297252	3.060804	0.002564	0.155453
	0.281754	3.059686	0.002573	0.155644
	0.417022	3.061431	0.002559	0.155263
ZNF566	0.235096	3.059793	0.002573	0.155644
	0.200163	3.056851	0.002597	0.155994
SLC2A3;CLSTN3;IFFO1	-0.2667	-3.05895	0.002579	0.155789
ABI3;TBKBP1	-0.34439	-3.05995	0.002571	0.155644
	0.327869	3.060168	0.00257	0.15561
	0.258044	3.060126	0.00257	0.15561
	-0.26319	-3.05965	0.002574	0.155644
	-0.18016	-3.05897	0.002579	0.155789
	-0.33099	-3.05944	0.002575	0.155682
NR2F6;RASAL3;PLVAP;NWD1;DDA1	-0.37591	-3.05925	0.002577	0.155744
	0.250935	3.058878	0.00258	0.155789
	0.291513	3.059044	0.002579	0.155789
	0.247831	3.058486	0.002583	0.15588
	-0.5186	-3.05824	0.002585	0.15588
	0.219373	3.059843	0.002572	0.155644
SIPA1L2;ENSG00000143674	-0.29997	-3.05842	0.002584	0.15588
NRXN2;SLC25A45	-0.37374	-3.05917	0.002578	0.155749
	-0.30122	-3.05667	0.002598	0.156038
	0.378714	3.059737	0.002573	0.155644
ZNF532;ATP8B1;NEDD4L	-0.36923	-3.05819	0.002586	0.15588
	0.362839	3.059585	0.002574	0.155644
	0.26646	3.058868	0.00258	0.155789
	0.281317	3.059228	0.002577	0.155744
SLC5A4;CPSF1P1	0.283741	3.058524	0.002583	0.15588
	0.167377	3.059611	0.002574	0.155644
	-0.33144	-3.05824	0.002585	0.15588
CDH5;FAM65A;ATP6V0D1;CMTM4;TPPP3;FAM96B;RRAD;TME M208;ZDHHC1;PLEKHG4	-0.31092	-3.05783	0.002589	0.155914
TSG101;ZDHHC13;E2F8;HTATIP2;UEVLD;ENSG00000255308;EN SG00000255160	-0.51276	-3.05791	0.002588	0.155914
	-0.3616	-3.0578	0.002589	0.155914
	0.234622	3.058562	0.002583	0.15588
	-0.33901	-3.05685	0.002597	0.155994
SIGLEC8	-0.25464	-3.05751	0.002591	0.155941
	-0.38291	-3.0577	0.00259	0.155914
	-0.31237	-3.05777	0.002589	0.155914
	0.199525	3.057621	0.00259	0.15592
NRXN2;CDC42BPG;DNAJC4;BATF2;FERMT3;TRPT1	-0.45307	-3.05854	0.002583	0.15588
	-0.25662	-3.05774	0.002589	0.155914
PTGDS;C9orf163;GPSM1;UAP1L1;EGFL7;CAMSAP1;ENSG00000 264527;LCNL1;UBAC1;FAM166A;RNF224;NOTCH1;SLC34A3;M AN1B1;TUBB4B;INPP5E	-0.32712	-3.05783	0.002589	0.155914

	0.231093	3.056536	0.002599	0.156038
	-0.23275	-3.05833	0.002585	0.15588
	-0.31518	-3.05582	0.002605	0.156054
	0.283322	3.057374	0.002592	0.155976
	-0.25526	-3.05686	0.002597	0.155994
	0.271744	3.058018	0.002587	0.155914
EFCAB13	0.292114	3.056558	0.002599	0.156038
	-0.62294	-3.05768	0.00259	0.155914
NCKAP5;MGAT5	-0.41382	-3.05723	0.002594	0.155994
	-0.26849	-3.05749	0.002591	0.155941
	-0.4357	-3.05828	0.002585	0.15588
	0.262399	3.058216	0.002585	0.15588
	0.223879	3.056391	0.0026	0.156054
CAV1	-0.36185	-3.05587	0.002605	0.156054
	0.275347	3.056874	0.002596	0.155994
HIC1	0.274094	3.056552	0.002599	0.156038
	-0.27031	-3.05688	0.002596	0.155994
FBXO17;ZNF573;SPINT2;PPP1R14A;KCNK6;ENSG00000269486; RYR1;ENSG00000229481	-0.38111	-3.05716	0.002594	0.155994
	0.276599	3.05628	0.002601	0.156054
PAX8-AS1;PAX8	-0.35438	-3.05717	0.002594	0.155994
	-0.28743	-3.05603	0.002603	0.156054
	0.302168	3.056852	0.002597	0.155994
C3orf83	0.429347	3.056799	0.002597	0.155996
DEGS2	0.392784	3.057997	0.002587	0.155914
	-0.40822	-3.05538	0.002609	0.156171
SULT1A1;NPIPB6;NUPR1;GTF3C1;KIAA0556	-0.34831	-3.05478	0.002614	0.156378
	0.249888	3.056326	0.002601	0.156054
B4GALNT4;IFITM1;TSPAN4	-0.32254	-3.05583	0.002605	0.156054
	-0.54349	-3.05685	0.002597	0.155994
LDLRAD1;ENSG00000197015;PODN;LRP8	-0.47437	-3.05714	0.002594	0.155994
ENSG00000196960;ZNF438	-0.3921	-3.05518	0.00261	0.156201
	0.334713	3.056483	0.0026	0.156042
	-0.26326	-3.05601	0.002604	0.156054
PIGP;SIM2;DSCR3;CBR3-AS1	-0.5978	-3.05568	0.002606	0.156085
REC8	0.494435	3.054551	0.002616	0.156436
	0.177065	3.055246	0.00261	0.156193
LHFP	-0.44769	-3.05448	0.002616	0.156436
	-0.2553	-3.05625	0.002602	0.156054
SDC3;COL16A1;TINAGL1	-0.54874	-3.05448	0.002616	0.156436
	0.420576	3.05548	0.002608	0.156143
	0.276976	3.055887	0.002605	0.156054
	0.2249	3.055321	0.002609	0.156178
	0.43298	3.056101	0.002603	0.156054
ODF2L;DDAH1	0.312272	3.054001	0.00262	0.156436
PIGU;ERGIC3;EPB41L1	0.315618	3.055794	0.002605	0.156054
LBH;CAPN13;ENSG00000235997	0.256093	3.055858	0.002605	0.156054

	0.253523	3.054334	0.002617	0.156436
CDH1;ESRP2;CIRH1A;HAS3	-1.24284	-3.0558	0.002605	0.156054
	0.321373	3.054043	0.00262	0.156436
RFWD3	0.377036	3.055643	0.002607	0.156085
RASAL3	-0.48046	-3.05596	0.002604	0.156054
MIR143HG;MIR145;ENSG00000253864;MIR143;NDST1;CSNK1				
A1;ANXA6;PDGFRB	-0.28308	-3.05409	0.002619	0.156436
	-0.34742	-3.05365	0.002623	0.156523
	-0.49506	-3.05413	0.002619	0.156436
	-0.26662	-3.05304	0.002628	0.156673
EVC2;EVC;CCDC96;S100P;KIAA0232;CRMP1;PSAPL1;SORCS2	-0.2908	-3.05318	0.002627	0.156644
	-0.26464	-3.05428	0.002618	0.156436
	0.373239	3.054175	0.002619	0.156436
ENPP3;VNN3;VNN2;VNN1;EPB41L2;SLC18B1;STX7	-0.42145	-3.05436	0.002617	0.156436
	-0.30312	-3.05408	0.002619	0.156436
	0.254359	3.054349	0.002617	0.156436
	0.283794	3.053448	0.002625	0.156559
	0.278471	3.053865	0.002621	0.156481
TTN;NFE2L2	-0.31171	-3.05411	0.002619	0.156436
	-0.53811	-3.05207	0.002636	0.156804
	-0.29198	-3.05245	0.002633	0.156785
CDIP1	-0.64897	-3.05311	0.002628	0.15666
ENSG00000176593	-0.27784	-3.05369	0.002623	0.156523
IKBKAP;EPB41L4B	0.432112	3.054228	0.002618	0.156436
MKL1	-0.44385	-3.05184	0.002638	0.156863
	0.334564	3.053442	0.002625	0.156559
DMRTA2	0.405024	3.052367	0.002634	0.156785
	-0.64751	-3.05366	0.002623	0.156523
	0.279756	3.052987	0.002629	0.156675
SNORA74A	0.380595	3.052661	0.002631	0.156785
	-0.37001	-3.05241	0.002633	0.156785
ADAMTS9-AS2	0.266978	3.052497	0.002633	0.156785
	0.403794	3.052081	0.002636	0.156804
ZNRD1-AS1;HCG18	0.28204	3.052663	0.002631	0.156785
	0.34914	3.053343	0.002626	0.156586
TBC1D27	-0.30101	-3.05353	0.002624	0.156559
AKT3	-0.39541	-3.05225	0.002635	0.156804
LRRC59	0.277175	3.05245	0.002633	0.156785
	-0.29466	-3.05132	0.002642	0.156894
CACNA2D2;BSN;LAMB2;AMT	-0.29679	-3.05219	0.002635	0.156804
NUAK2;PIK3C2B;MDM4;TMEM81	0.372628	3.051936	0.002637	0.156846
	0.257571	3.052439	0.002633	0.156785
	-0.15145	-3.0521	0.002636	0.156804
	0.251476	3.052459	0.002633	0.156785
	0.315626	3.051677	0.002639	0.156882
	0.234287	3.051322	0.002642	0.156894

	-0.19312	-3.05211	0.002636	0.156804
	0.456033	3.051813	0.002638	0.156863
	0.38074	3.050358	0.00265	0.157082
	0.372749	3.049998	0.002653	0.157123
	0.219986	3.049113	0.002661	0.157287
	-0.29691	-3.05107	0.002645	0.15694
C9orf169	0.283992	3.051553	0.00264	0.156894
	0.234319	3.049267	0.00266	0.157275
	-0.41562	-3.05076	0.002647	0.156994
	-0.42865	-3.05164	0.00264	0.156882
	0.395592	3.051211	0.002643	0.156904
	0.331735	3.051042	0.002645	0.15694
	0.20555	3.050763	0.002647	0.156994
EML1;WARS;EVL;CCDC85C;WDR25	-0.30718	-3.05165	0.00264	0.156882
	0.300742	3.051452	0.002641	0.156894
	-0.45028	-3.05131	0.002643	0.156894
	0.359554	3.049926	0.002654	0.157123
HLA-A	0.328954	3.050456	0.00265	0.157056
	0.214924	3.04999	0.002654	0.157123
MXRA8;LINC01128;ANKRD65;VWA1;ENSG00000223764;SSU72;SAMD11;TTLL10;TTLL10-AS1;C1orf222;RNF223;ENSG00000272106;FAM41C	-0.24417	-3.05046	0.00265	0.157056
	-0.32453	-3.0512	0.002643	0.156904
FBLN1;ENSG00000238120;ENSG00000273243	-0.33458	-3.0501	0.002653	0.157123
ENSG00000260807	-0.35794	-3.05087	0.002646	0.156994
TSPAN15;PALD1;HK1	0.331509	3.051393	0.002642	0.156894
	-0.51425	-3.05079	0.002647	0.156994
	-0.51569	-3.049	0.002662	0.157297
	0.286667	3.050708	0.002648	0.156996
MARVELD1;MORN4;SFRP5	-0.38633	-3.05142	0.002642	0.156894
	0.268002	3.050305	0.002651	0.157087
	0.241541	3.049584	0.002657	0.157226
TCF3	-0.37581	-3.04937	0.002659	0.157267
	0.166097	3.049497	0.002658	0.157226
	0.268702	3.049261	0.00266	0.157275
CASKIN2;TTYH2;GALK1;FDXR;SLC16A5;ICT1;SMIM5;SLC9A3R1;DNAI2	0.276983	3.04865	0.002665	0.157408
SHROOM3;FAM47E;SEPT11;CCNG2	0.36479	3.04891	0.002663	0.1573
WBSCR22;ABHD11;LINC00035;GTF2IP1	-0.35888	-3.0502	0.002652	0.15712
	0.301426	3.050478	0.002649	0.157056
	-0.47884	-3.04951	0.002658	0.157226
CHRM3-AS2;CHRM3	-0.38566	-3.04923	0.00266	0.157275
	0.258058	3.04993	0.002654	0.157123
	0.3127	3.049512	0.002658	0.157226
	0.277083	3.046763	0.002681	0.157705
	0.277969	3.048505	0.002666	0.157458
	-0.29919	-3.05011	0.002653	0.157123

HMGN2P3	0.313838	3.049018	0.002662	0.157297
	0.234218	3.046204	0.002685	0.157811
	-0.34521	-3.04954	0.002657	0.157226
GPER1;GET4;ENSG00000224079	0.215579	3.047812	0.002672	0.157585
	-0.32745	-3.04918	0.00266	0.157276
CARS;MRPL23;IGF2;NAP1L4;TSSC2;ENSG00000255367	-0.35983	-3.04668	0.002681	0.157705
PRKCB;ENSG00000261266;ERN2	-0.51324	-3.04835	0.002667	0.157494
	0.460822	3.048171	0.002669	0.157551
	-0.39672	-3.04744	0.002675	0.157701
	0.264847	3.047228	0.002677	0.157705
	0.226	3.046856	0.00268	0.157705
	-0.32413	-3.04725	0.002677	0.157705
	0.331058	3.047042	0.002678	0.157705
CDIPT;SULT1A1;C16orf54	0.473381	3.046178	0.002686	0.157811
FLT4;CNOT6;GFPT2;SCGB3A1	-0.31979	-3.04674	0.002681	0.157705
	-0.5587	-3.04782	0.002672	0.157585
	-0.28342	-3.0481	0.002669	0.157551
	-0.51735	-3.04892	0.002663	0.1573
	0.427722	3.047747	0.002672	0.157595
	-0.22362	-3.04699	0.002679	0.157705
	0.30366	3.046074	0.002687	0.157841
PPP1R8;TAF12	-0.31653	-3.04593	0.002688	0.157844
	-0.23775	-3.04794	0.002671	0.157563
	0.331304	3.046345	0.002684	0.157811
AIF1L;ABL1;PPAPDC3	-0.51828	-3.04834	0.002667	0.157494
	-0.38092	-3.0454	0.002692	0.157937
	0.22078	3.046224	0.002685	0.157811
	0.306475	3.04668	0.002681	0.157705
KIF9-AS1;KIF9;MAP4;PTH1R;NME6;ZNF589;LRRC2;SETD2	-0.21291	-3.0443	0.002702	0.158166
KIAA0922	0.239769	3.047387	0.002675	0.157701
	0.209283	3.04736	0.002676	0.157701
	-0.32509	-3.04668	0.002681	0.157705
CDC42BPA;ENSG00000225934	-0.37008	-3.04801	0.00267	0.157563
	0.283535	3.048137	0.002669	0.157551
ERG;WRB;LCA5L	-0.42746	-3.04494	0.002696	0.158079
	0.310541	3.047946	0.002671	0.157563
	0.47902	3.047399	0.002675	0.157701
KIAA0141;SPRY4;PCDH12;FGF1;PCDH1	-0.48361	-3.0443	0.002702	0.158166
	-0.30481	-3.04649	0.002683	0.157762
	0.231719	3.046778	0.002681	0.157705
	-0.28056	-3.0458	0.002689	0.157844
GNA12;MAD1L1;IQCE;PSMG3;CHST12;TTYH3	-0.45206	-3.04698	0.002679	0.157705
ENSG00000268175;ENSG00000240137;ENSG00000242791;TM4SF18;PFN2	-0.5517	-3.04669	0.002681	0.157705
	-0.28391	-3.04705	0.002678	0.157705
	0.300197	3.045458	0.002692	0.157931
SURF4;RNU6ATAC	0.329042	3.04667	0.002681	0.157705

	-0.39576	-3.04527	0.002693	0.157981
	0.270267	3.046303	0.002685	0.157811
TMCO3;CDC16;ADPRHL1;GAS6;DCUN1D2;RASA3;TMEM255B	-0.51098	-3.04325	0.002711	0.158338
	0.279	3.045777	0.002689	0.157844
STK32B;KIAA0232;EVC	-0.3185	-3.04558	0.002691	0.157891
	0.369077	3.046652	0.002682	0.157705
	-0.28726	-3.04579	0.002689	0.157844
AK9;METTL24;WASF1;DDO	-0.38985	-3.04274	0.002715	0.158353
	0.266946	3.044289	0.002702	0.158166
	0.336542	3.045792	0.002689	0.157844
	0.186077	3.045671	0.00269	0.157868
	-0.34644	-3.04415	0.002703	0.158178
SNORD116-13	-0.3258	-3.04226	0.002719	0.15844
IFT43;GPATCH2L;VASH1;CIPC;SAMD15;AHSA1;TTLL5;ANGEL1;T				
GFB3;SPTLC2;NOXRED1;C14orf166B;SLIRP	-0.33877	-3.04395	0.002705	0.158225
C16orf80;MT1E;CCDC113;CCDC135;KATNB1	-0.32514	-3.04478	0.002698	0.158117
UQCC2;PFDN6	-0.28644	-3.0458	0.002689	0.157844
KIAA0319	-0.48817	-3.04436	0.002701	0.158166
	-0.33163	-3.04481	0.002697	0.158117
PLCG2	-0.35463	-3.04452	0.0027	0.158166
PFKFB2;DYRK3	0.277742	3.045062	0.002695	0.158041
	-0.34259	-3.04466	0.002698	0.158152
	0.360728	3.045762	0.002689	0.157844
	0.172665	3.043837	0.002706	0.158226
	0.285241	3.0452	0.002694	0.157994
	0.435983	3.043689	0.002707	0.158231
	0.331929	3.044437	0.0027	0.158166
OAS1	-0.27737	-3.0433	0.00271	0.158334
HSH2D;PLVAP;USHBP1	0.304417	3.043497	0.002708	0.158301
	0.439028	3.04388	0.002705	0.158226
	0.205074	3.043421	0.002709	0.158317
	0.188092	3.042668	0.002716	0.158353
	0.317927	3.043961	0.002704	0.158225
SSC5D;PPP1R12C;EPS8L1;BRSK1;HSPBP1;ZNF583	-0.3302	-3.04275	0.002715	0.158353
TRIM69;B2M;DUOX1;DUOXA1	0.348139	3.043698	0.002707	0.158231
PPP1R11;TRIM39;LY6G5C;HSPA1A;HCP5;SLC44A4;NELFE;PPP1				
R10;CLIC1	0.429209	3.042489	0.002717	0.158393
	-0.20024	-3.04382	0.002706	0.158226
	0.383776	3.043681	0.002707	0.158231
ARMC9;NGEF	-0.3414	-3.04454	0.0027	0.158166
HSPH1	0.38782	3.044134	0.002703	0.158178
DNAJC16;HSPB7;KAZN;FHAD1;ENSG00000228140;FBLIM1;AG				
MAT;EFHD2;ARHGEF19	0.426454	3.042611	0.002716	0.158353
	0.408169	3.044148	0.002703	0.158178
	0.181819	3.041796	0.002723	0.158501
NDUFB5	0.469208	3.044378	0.002701	0.158166

	-0.15125	-3.04108	0.002729	0.158538
	-0.27901	-3.04268	0.002715	0.158353
	-0.26069	-3.04295	0.002713	0.158353
	0.286988	3.042937	0.002713	0.158353
NTM;ENSG00000175773	0.395492	3.04196	0.002722	0.158464
	-0.22396	-3.04295	0.002713	0.158353
	0.282789	3.042221	0.002719	0.15844
	0.175383	3.040893	0.002731	0.158538
	0.307675	3.041958	0.002722	0.158464
ENSG00000223849;FANCC;MIR27B;AAED1;ZNF367;MIR23B;C9orf3;CDC14B;PTCH1	-0.38814	-3.04006	0.002738	0.158654
RPS3AP6	0.415885	3.041333	0.002727	0.158538
	-0.37043	-3.04052	0.002734	0.158557
KIAA1755;RPRD1B;RALGAPB;VSTM2L	-0.36644	-3.04334	0.00271	0.158334
ENSG00000220660	-0.33372	-3.04202	0.002721	0.158464
ITGA5;COPZ1	0.336441	3.042803	0.002714	0.158353
	0.270348	3.04141	0.002726	0.158538
	0.391875	3.042649	0.002716	0.158353
	-0.18466	-3.04091	0.002731	0.158538
	0.361494	3.04152	0.002725	0.158538
MAD1L1;TTYH3;CHST12;CARD11	-0.31179	-3.04288	0.002714	0.158353
SRP9;PARP1	0.319489	3.042747	0.002715	0.158353
	0.169629	3.042315	0.002719	0.158436
	-0.36767	-3.04274	0.002715	0.158353
MOCOS	0.338795	3.041075	0.002729	0.158538
	0.36172	3.040857	0.002731	0.158538
STMN3;OSBPL2	-0.27192	-3.0421	0.00272	0.158464
	-0.37013	-3.04282	0.002714	0.158353
C1orf222;MXRA8;PRKCZ;MORN1;ANKRD65;SSU72;ATAD3A	0.280517	3.041126	0.002729	0.158538
	-0.48866	-3.03971	0.002741	0.158655
	0.301473	3.040261	0.002736	0.158643
TGIF2;RBL1;VSTM2L;SLA2;RPRD1B;KIAA1755	-0.24273	-3.04094	0.00273	0.158538
	0.410091	3.042323	0.002718	0.158436
ARID3A;ATP8B3;HMHA1	0.381893	3.040756	0.002732	0.158546
MFAP2;PADI1;SDHB;RCC2;MST1P2;RNU1-4;RNU1-2	-0.31679	-3.04102	0.00273	0.158538
	-1.13793	-3.04198	0.002721	0.158464
	-0.32455	-3.04098	0.00273	0.158538
	-0.42214	-3.0416	0.002725	0.158538
PPP1R7;HDLBP	0.364192	3.040566	0.002734	0.158555
HECTD2	-0.24829	-3.0392	0.002745	0.158655
	-0.18446	-3.03994	0.002739	0.158654
PEAR1;SMG5;LAMTOR2	0.216356	3.039326	0.002744	0.158655
	-0.39918	-3.04108	0.002729	0.158538
	-0.34182	-3.03904	0.002747	0.158655
	-0.33408	-3.0408	0.002732	0.158546
FLT4;RNF130;GFPT2;CNOT6	-0.40545	-3.04058	0.002733	0.158555

LYRM2;BACH2	-0.60333	-3.04184	0.002723	0.158501
	0.261672	3.039792	0.00274	0.158655
TRIM39;GABBR1	-0.2687	-3.04117	0.002728	0.158538
MEGF6;TP73-AS1;LINC01134;PRDM16;CEP104	0.25957	3.040218	0.002737	0.158643
	0.364033	3.03979	0.00274	0.158655
	0.402165	3.040957	0.00273	0.158538
VEGFA	0.346413	3.041175	0.002728	0.158538
	0.22745	3.04002	0.002738	0.158654
	-0.35858	-3.03999	0.002738	0.158654
	-0.29273	-3.03948	0.002743	0.158655
IBTK	-0.24555	-3.04011	0.002737	0.158654
ENSG00000259575	-0.30027	-3.041	0.00273	0.158538
	-0.26866	-3.04121	0.002728	0.158538
	0.254907	3.038473	0.002752	0.158655
	0.264736	3.039609	0.002742	0.158655
	-0.24999	-3.04058	0.002733	0.158555
	0.347838	3.041444	0.002726	0.158538
SGIP1	0.279337	3.039253	0.002745	0.158655
CCDC125;CDK7;MARVELD2	-0.28604	-3.03766	0.002759	0.158715
	0.160536	3.038563	0.002751	0.158655
	0.390552	3.040346	0.002735	0.158622
RPL21P75	0.347718	3.039454	0.002743	0.158655
	0.205852	3.038393	0.002752	0.158655
	-0.30321	-3.03896	0.002747	0.158655
	0.382582	3.039396	0.002744	0.158655
	0.244461	3.040621	0.002733	0.158555
P4HTM;DALRD3;TUSC2;ZMYND10;CDHR4;TCTA;LAMB2;NDUFAF3;HYAL2;IP6K1;ENSG00000223343;SEMA3B;PRKAR2A-AS1;ENSG00000273356;BSN;DOCK3;PRKAR2A	-0.24537	-3.03745	0.002761	0.15874
PDCD6;TPPP;TRIP13;MRPL36;LPCAT1;NDUFS6;SDHA;NKD2	-0.62062	-3.03995	0.002739	0.158654
	-0.32058	-3.03848	0.002752	0.158655
TMEM45B	0.348902	3.039401	0.002744	0.158655
	-0.30238	-3.03817	0.002754	0.158655
	0.318782	3.038263	0.002753	0.158655
TMCO3	-0.23895	-3.03979	0.00274	0.158655
	0.333724	3.038973	0.002747	0.158655
	0.30185	3.039727	0.002741	0.158655
	-0.23597	-3.03877	0.002749	0.158655
ANKMY1;PPP1R7;BOK;ENSG00000223991;GPC1;PASK;ENSG00000233392;ENSG00000226321;ENSG00000218416;ENSG00000216921;STK25;HDLBP;FARP2	-0.43922	-3.03789	0.002757	0.158655
	0.348788	3.038624	0.00275	0.158655
	-0.35456	-3.03959	0.002742	0.158655
	0.387686	3.037527	0.00276	0.158721
	0.396844	3.039428	0.002743	0.158655
	0.273283	3.038877	0.002748	0.158655

	0.383881	3.038604	0.00275	0.158655
ZAP70;INPP4A;MGAT4A;YWHAQP5;VWA3B;ACTR1B;FAM178B	0.292034	3.039124	0.002746	0.158655
	-0.34633	-3.03853	0.002751	0.158655
	-0.36218	-3.0391	0.002746	0.158655
	-0.36756	-3.03837	0.002753	0.158655
RNF166	0.225542	3.038839	0.002748	0.158655
	0.340992	3.038161	0.002754	0.158655
PFDN6;NOTCH4;HCG25;TNXB;HNRNPA1P2	0.239961	3.038102	0.002755	0.158655
	0.28184	3.038532	0.002751	0.158655
	-0.20347	-3.03411	0.00279	0.159538
VPS37B	-0.2983	-3.03697	0.002765	0.158851
	-0.47945	-3.03803	0.002755	0.158655
MUC4;MUC20;SLC51A	-0.50369	-3.03787	0.002757	0.158655
	-0.22269	-3.03703	0.002764	0.158851
	0.413469	3.039226	0.002745	0.158655
SATB1;ENSG00000228956	-0.47041	-3.03813	0.002755	0.158655
	0.308978	3.037582	0.002759	0.158715
	0.259536	3.038268	0.002753	0.158655
	-0.42702	-3.03807	0.002755	0.158655
	0.177396	3.036099	0.002772	0.159038
EFCAB7	-0.35588	-3.03783	0.002757	0.158658
	0.168408	3.037199	0.002763	0.158843
	0.37521	3.037598	0.002759	0.158715
	-0.21775	-3.03802	0.002756	0.158655
	0.375154	3.038383	0.002752	0.158655
	0.345285	3.037947	0.002756	0.158655
	0.277195	3.03372	0.002793	0.159538
GFPT1;ADD2;NFU1;SNRPG;TGFA;ANTXR1;ENSG00000229948;A NXA4	-0.36602	-3.03534	0.002779	0.159255
PLXND1	-0.4159	-3.03697	0.002765	0.158851
	0.185823	3.035638	0.002776	0.159174
CALM2;EPCAM;MSH2;ENSG00000260977	-0.54807	-3.03807	0.002755	0.158655
	0.361321	3.036898	0.002765	0.158865
	0.401188	3.037079	0.002764	0.158851
	0.260886	3.037953	0.002756	0.158655
WDR45B;PCYT2;MAFG-AS1;LRRC45;METRNL;ENSG00000261888;C17orf62;ENSG0000 0265678;CCDC57;C17orf70;NOTUM	-0.30092	-3.03676	0.002767	0.158914
	0.269859	3.036177	0.002772	0.159038
LINC00365	-0.3353	-3.03668	0.002767	0.15893
	0.311434	3.036045	0.002773	0.159038
	-0.42819	-3.03566	0.002776	0.159174
MRAS;NME9;FAIM	0.281769	3.036123	0.002772	0.159038
MIPEP	0.541369	3.035837	0.002775	0.159118
	0.288876	3.035392	0.002778	0.159255
GPR146	-0.31612	-3.03712	0.002763	0.158851

	0.162831	3.03435	0.002788	0.159499
ANTXRLP1;SYT15;ZFAND4;ENSG00000231187	0.273179	3.036197	0.002771	0.159038
	0.256916	3.035541	0.002777	0.159202
IQCE	0.213368	3.034977	0.002782	0.159356
	0.363011	3.036111	0.002772	0.159038
	0.394952	3.0342	0.002789	0.159538
	-1.13506	-3.03663	0.002768	0.158936
	0.314226	3.036547	0.002768	0.158955
	-0.17941	-3.03486	0.002783	0.159392
	0.256776	3.036039	0.002773	0.159038
	0.389864	3.035291	0.002779	0.159255
	-0.26426	-3.0361	0.002772	0.159038
	0.324466	3.034758	0.002784	0.159394
	0.289854	3.035263	0.00278	0.159255
RDH10;ENSG00000253339;TMEM70	-0.33494	-3.03473	0.002784	0.159394
TUBA3FP;ENSG00000187905;PPM1F;P2RX6;PPIL2	-0.26535	-3.03417	0.002789	0.159538
	-0.27208	-3.0348	0.002784	0.159394
	0.305309	3.034672	0.002785	0.159402
	0.225959	3.035014	0.002782	0.159356
ENSG00000236467;KCNMA1;ENSG00000225652	-0.35697	-3.03399	0.002791	0.159538
	0.240165	3.034472	0.002786	0.159481
	0.327883	3.033524	0.002795	0.159593
RAD17P2	0.341068	3.03374	0.002793	0.159538
	-0.31346	-3.03442	0.002787	0.159485
CIITA	0.347506	3.034011	0.00279	0.159538
	-0.57301	-3.0322	0.002806	0.159902
	0.220179	3.032483	0.002804	0.159839
	-0.42009	-3.03353	0.002795	0.159593
	0.22065	3.033979	0.002791	0.159538
	-0.18486	-3.03341	0.002796	0.159594
	-0.32043	-3.03345	0.002795	0.159594
	0.26556	3.033821	0.002792	0.159538
	0.247191	3.033794	0.002792	0.159538
C2orf50	-0.38625	-3.03172	0.002811	0.159909
	0.279286	3.033381	0.002796	0.159594
	0.278792	3.033863	0.002792	0.159538
	-0.35031	-3.03379	0.002792	0.159538
CCDC88A;PNPT1	-0.48605	-3.03316	0.002798	0.159649
	0.278914	3.033035	0.002799	0.159686
GRIA1;GALNT10;CNOT8	-0.58672	-3.033	0.002799	0.159686
	0.245813	3.03375	0.002793	0.159538
	-0.27537	-3.03093	0.002818	0.160152
	-0.27863	-3.03241	0.002805	0.159854
	-0.44098	-3.03265	0.002802	0.159776
	-0.26608	-3.0327	0.002802	0.159773
	0.354133	3.032126	0.002807	0.159902
	0.392251	3.03292	0.0028	0.159705

	-0.31254	-3.03335	0.002796	0.159594
	0.282841	3.03059	0.002821	0.160175
ARL4C	-0.37604	-3.03237	0.002805	0.159855
	0.315429	3.031906	0.002809	0.159909
	-0.29072	-3.03107	0.002816	0.160144
	-0.3167	-3.03317	0.002798	0.159649
	0.271753	3.031708	0.002811	0.159909
	0.328591	3.032712	0.002802	0.159773
	-0.25076	-3.03171	0.002811	0.159909
	-0.15838	-3.03182	0.00281	0.159909
	-0.45743	-3.03194	0.002809	0.159909
	0.293732	3.032103	0.002807	0.159902
	0.434055	3.031858	0.002809	0.159909
	-0.31124	-3.03194	0.002809	0.159909
	0.356136	3.031284	0.002815	0.160079
	-0.37398	-3.03144	0.002813	0.160024
	0.423772	3.030622	0.00282	0.160175
NKIRAS2	-0.19173	-3.03046	0.002822	0.160179
	0.185732	3.030666	0.00282	0.160175
	-0.26037	-3.03219	0.002807	0.159902
	-0.30879	-3.028	0.002844	0.160767
	-0.35545	-3.03006	0.002825	0.160291
	-0.27708	-3.03061	0.00282	0.160175
	-0.36617	-3.03111	0.002816	0.160144
	-0.32176	-3.03045	0.002822	0.160179
	0.285994	3.030899	0.002818	0.160152
	-0.22925	-3.03175	0.00281	0.159909
	0.235167	3.0296	0.002829	0.160389
	0.351837	3.030885	0.002818	0.160152
C4orf19;ENSG00000248936	-0.38296	-3.03031	0.002823	0.160206
	0.300547	3.0274	0.002849	0.160767
SCNN1A;NTF3;NOP2	-0.28459	-3.02927	0.002832	0.160455
	-0.22726	-3.0293	0.002832	0.160455
	0.25884	3.029971	0.002826	0.160295
	-0.2321	-3.03019	0.002824	0.160245
	-0.18756	-3.02979	0.002828	0.160353
	0.21055	3.031028	0.002817	0.160144
	-0.35694	-3.02936	0.002832	0.160455
ZMIZ1	0.307842	3.027366	0.002849	0.160767
REPIN1;GIMAP8;LRRC61;GIMAP6;ATG9B;NOS3;CDK5;GIMAP5; GIMAP7;GIMAP1;GIMAP4	-0.44456	-3.02913	0.002834	0.160482
	-0.27927	-3.03063	0.00282	0.160175
	-0.35148	-3.02736	0.002849	0.160767
	0.322347	3.028358	0.00284	0.160696
ERN1;MILR1;LIMD2	0.348409	3.030548	0.002821	0.160175
	0.214382	3.03037	0.002823	0.160198
	-0.21283	-3.02868	0.002838	0.160604

RCOR3	0.391911	3.029704	0.002828	0.160363
	-0.32117	-3.03054	0.002821	0.160175
	0.320566	3.029324	0.002832	0.160455
SCARB1;ZNF664;BRI3BP;TCTN2;GTF2H3;SBNO1;DNAH10	-0.27514	-3.02918	0.002833	0.160479
	-0.31466	-3.02957	0.00283	0.160389
	0.236341	3.027649	0.002847	0.160767
KIAA0922	0.281131	3.029966	0.002826	0.160295
	-0.36853	-3.02736	0.002849	0.160767
TSPAN4;LRRC56;TALDO1;IFITM3;CTSD	-0.39017	-3.02899	0.002835	0.160508
	-0.33561	-3.02799	0.002844	0.160767
CNOT8	-0.43603	-3.02977	0.002828	0.160353
SCCPDH;NLRP3;GCSAML	-0.37565	-3.02841	0.00284	0.160695
RAPGEF4;ENSG00000091436;ENSG00000225205;MLK7-AS1;CYBRD1;SLC25A12;ITGA6	-0.37529	-3.02736	0.002849	0.160767
GATA2;ENSG00000244300;RUVBL1;MCM2	-0.2422	-3.02685	0.002854	0.160846
TSSC1	0.41783	3.027556	0.002848	0.160767
RBM20;BBIP1	-0.50885	-3.0271	0.002852	0.160823
PRR24	0.232895	3.028551	0.002839	0.160646
	0.268385	3.02736	0.002849	0.160767
	-0.24863	-3.02637	0.002858	0.161006
	0.314299	3.026993	0.002853	0.160823
	0.32862	3.029045	0.002834	0.160503
	0.370987	3.028944	0.002835	0.160512
	0.49487	3.027231	0.002851	0.160781
PDZD2	-0.41599	-3.02649	0.002857	0.160983
	0.312393	3.02794	0.002844	0.160767
	-0.27234	-3.02536	0.002867	0.161218
TRAPPC9	-0.70679	-3.02787	0.002845	0.160767
FUOM	-0.48152	-3.02766	0.002847	0.160767
	0.305075	3.028325	0.002841	0.160696
	0.443081	3.028889	0.002836	0.160518
CHD7;KRT8P3	-0.39191	-3.02726	0.00285	0.160781
RNF166;SPIRE2;GAS8	0.490701	3.027636	0.002847	0.160767
SLC37A1;ICOSLG;CSTB;TRPM2	0.340001	3.027827	0.002845	0.160767
	-0.28448	-3.02591	0.002862	0.161135
SCNN1B	-0.40849	-3.02747	0.002848	0.160767
	-0.29287	-3.02734	0.00285	0.160767
	0.430913	3.027678	0.002847	0.160767
	0.195912	3.026861	0.002854	0.160846
	-0.31546	-3.02572	0.002864	0.161138
FN3K;SECTM1;CD7	0.294681	3.028058	0.002843	0.160767
	-0.19165	-3.02577	0.002864	0.161135
ZNF57;GNG7;GNA15;AES;MOB3A;ABHD17A	-0.44885	-3.02542	0.002867	0.161208
IFT140;CCDC78;HN1L;BAIAP3;HAGHL;METRN;PDPK1;ENSG00000261659;HAGH;GFER;SOX8;HS3ST6;MSRB1;ENSG00000260807;UBE2I	-0.48542	-3.02619	0.00286	0.161054
	-0.36107	-3.02778	0.002846	0.160767

	-0.18304	-3.02705	0.002852	0.160823
	0.215545	3.026229	0.00286	0.161053
	0.235184	3.026559	0.002857	0.160972
ARL10	0.359978	3.02698	0.002853	0.160823
	0.246733	3.025602	0.002865	0.161178
BNIPL;RORC;CGN;SELENBP1;S100A11;THEM4;PSMD4;HRNR;EN				
SG00000269621	0.318418	3.025831	0.002863	0.161135
	0.274905	3.025836	0.002863	0.161135
TNK1	-0.27554	-3.025	0.002871	0.161252
DISP1;DUSP10	-0.36853	-3.0244	0.002876	0.161408
SKI;LINC01134	-0.26626	-3.02511	0.00287	0.161252
	-0.31017	-3.02491	0.002871	0.161255
	0.250567	3.026106	0.002861	0.161073
TMEM254;ZMIZ1;ZCCHC24;SFTPD;PPIF;TMEM254-AS1	-0.58039	-3.02494	0.002871	0.161255
	-0.30931	-3.02551	0.002866	0.161184
FZD4;ENSG00000255471;CCDC81	0.322678	3.026443	0.002858	0.160988
	0.320569	3.025781	0.002864	0.161135
DLG5-AS1	0.33448	3.024073	0.002879	0.161501
	-0.3204	-3.02506	0.00287	0.161252
CCL19;DNAI1	0.2014	3.025049	0.00287	0.161252
TMCO3;CDC16;GAS6;ADPRHL1;TMEM255B;DCUN1D2;PCID2;R				
ASA3;TFDP1	-0.35003	-3.02315	0.002887	0.1617
	0.415686	3.025129	0.002869	0.161252
	0.370715	3.024863	0.002872	0.161256
	-0.33232	-3.02324	0.002886	0.161675
	0.162864	3.024225	0.002878	0.161473
	0.303871	3.024768	0.002873	0.161262
	-0.26249	-3.02556	0.002866	0.161178
	0.360928	3.02269	0.002891	0.161848
INPP5D;B3GNT7;EFHD1	-0.35414	-3.02282	0.00289	0.161826
PLAG1	-0.32662	-3.02377	0.002882	0.161504
	0.273901	3.02505	0.00287	0.161252
	-0.21274	-3.02375	0.002882	0.161504
	0.243777	3.024476	0.002875	0.161388
	0.371621	3.023793	0.002881	0.161504
RLTPR;ESRP2	-0.33551	-3.02479	0.002872	0.161262
AP2B1;PIGW;AATF	0.231711	3.023359	0.002885	0.161636
	0.25943	3.022943	0.002889	0.161784
ZNF622	0.334515	3.024104	0.002879	0.161501
	-0.20459	-3.02276	0.002891	0.161836
ENSG00000271204	0.419391	3.023909	0.00288	0.161504
	-0.41052	-3.0237	0.002882	0.161504
LSP1	-0.36492	-3.02391	0.00288	0.161504
	-0.35388	-3.025	0.002871	0.161252
	0.23997	3.023641	0.002883	0.161515
	-0.21136	-3.02214	0.002896	0.162043
	-0.32361	-3.02169	0.0029	0.162164

FOXK1	0.284763	3.024002	0.00288	0.161501
LRRC56;MUC5B;EFCAB4A;SIGIRR;RASSF7;IFITM3;TSPAN4;C11orf35	-0.26465	-3.01994	0.002916	0.162488
	0.347299	3.023744	0.002882	0.161504
NRCAM;DUS4L	-0.78721	-3.02402	0.002879	0.161501
	0.232163	3.02112	0.002906	0.162391
SPTBN1	-0.37913	-3.02237	0.002894	0.161968
BCAN;ENSG00000246203	-0.18228	-3.02146	0.002903	0.16226
	-0.25284	-3.01978	0.002918	0.162488
	-0.30033	-3.02247	0.002893	0.161941
	0.268071	3.022184	0.002896	0.162041
	-0.34634	-3.02193	0.002898	0.162106
	-0.50271	-3.0217	0.0029	0.162164
IGFBP2;PECR;POLHP1	0.310237	3.021809	0.002899	0.162147
ATG5	0.331514	3.022018	0.002898	0.162083
RAB11FIP1;GPR124	-0.45302	-3.0201	0.002915	0.162488
	-0.2615	-3.02094	0.002907	0.162425
NTM	-0.26906	-3.02084	0.002908	0.162429
RPL9P16	0.372885	3.020929	0.002907	0.162425
	0.143608	3.020017	0.002916	0.162488
GIMAP6;GIMAP8;GIMAP5;REPIN1;GIMAP1;GIMAP7;ATG9B;GIMAP4;WDR86-AS1;NOS3;CDK5	-0.23072	-3.0199	0.002917	0.162488
	-0.37633	-3.02134	0.002904	0.162302
MRGPRF;TPCN2;ENSG00000256508	-0.37437	-3.02008	0.002915	0.162488
NFIC;GIPC3;PIP5K1C;ENSG00000205147;TMPRSS9;DAPK3	-0.26614	-3.02086	0.002908	0.162429
	-0.27241	-3.01989	0.002917	0.162488
NRTN;RFX2;FUT6;HSD11B1L	0.710145	3.018761	0.002927	0.162714
C20orf85;PPP4R1L;GNAS	-0.43876	-3.02031	0.002913	0.162488
	0.308442	3.020536	0.002911	0.162488
	0.250865	3.020273	0.002913	0.162488
	-0.3952	-3.02039	0.002912	0.162488
	0.238469	3.020381	0.002912	0.162488
TAP1;TAP2	-0.19172	-3.02049	0.002911	0.162488
	-0.40451	-3.01846	0.00293	0.162714
ARHGEF10;MYOM2;CLN8;KBTBD11	-0.39512	-3.02107	0.002906	0.162395
ENSG00000233369;TBL2	-0.28904	-3.01908	0.002924	0.162646
	0.297888	3.019529	0.00292	0.162503
	0.430328	3.019541	0.00292	0.162503
	-0.21317	-3.01718	0.002942	0.162914
LSP1;C11orf21	-0.31943	-3.02029	0.002913	0.162488
	-0.31937	-3.01976	0.002918	0.162488
ZNF440;FBXW9;ZNF20;KANK2;ZNF627	-0.42251	-3.01977	0.002918	0.162488
	-0.28218	-3.0206	0.00291	0.162488
	0.358816	3.018915	0.002926	0.162708
	-0.29333	-3.02046	0.002912	0.162488
	0.312339	3.019146	0.002924	0.162633

	-0.39831	-3.01859	0.002929	0.162714
	-0.39581	-3.0208	0.002909	0.162429
LPIN1	-0.41155	-3.01991	0.002917	0.162488
	-0.22863	-3.0179	0.002935	0.162853
	-0.38292	-3.01759	0.002938	0.162897
FAM83H-AS1;EEF1D;RHPN1-AS1;ENSG00000255224	-0.28701	-3.01967	0.002919	0.162493
	-0.32145	-3.02004	0.002916	0.162488
	0.317708	3.018785	0.002927	0.162714
ERLIN1;MRPL43;DNMBP;BLOC1S2;MGEA5;CHUK;KCNIP2	-0.34434	-3.01845	0.00293	0.162714
	0.242605	3.016279	0.00295	0.163067
MRPS23;COIL;VEZF1	-0.3261	-3.01923	0.002923	0.162613
	0.36467	3.019401	0.002921	0.162545
ENSG00000272950	0.275617	3.016263	0.00295	0.163067
TBC1D10C;ALDH3B1;UNC93B1;RBM14;PITPNM1;ENSG00000255306;CCS	-0.34494	-3.02006	0.002915	0.162488
	0.20317	3.019815	0.002918	0.162488
	-0.39161	-3.01968	0.002919	0.162493
	0.228073	3.017046	0.002943	0.162914
	0.348817	3.018477	0.00293	0.162714
	0.270879	3.017547	0.002938	0.162897
	0.452974	3.018537	0.002929	0.162714
	0.340444	3.017606	0.002938	0.162897
	0.386648	3.018129	0.002933	0.162791
	-0.24415	-3.01952	0.00292	0.162503
	0.274735	3.018134	0.002933	0.162791
GRASP;ACVRL1;KRT18;POU6F1;KRT7;DAZAP2;SLC11A2;KRT80;GALNT6	0.257515	3.017381	0.00294	0.162914
	0.188334	3.016757	0.002946	0.162989
CCSAP;CAPN9	-0.40682	-3.01874	0.002927	0.162714
SPATA6;ENSG00000225154;TAL1;AGBL4;CYP4X1;CYP4Z1	0.262691	3.017883	0.002935	0.162853
RNF32	0.580724	3.017608	0.002938	0.162897
	-0.83024	-3.01854	0.002929	0.162714
	0.387876	3.017544	0.002938	0.162897
	-0.25382	-3.01779	0.002936	0.16288
CORO1A;MVP;ITGAL;PPP4C	-0.36223	-3.01709	0.002943	0.162914
	0.324225	3.018641	0.002928	0.162714
PDE3A	-0.52013	-3.0185	0.00293	0.162714
	-0.37888	-3.01751	0.002939	0.162897
	0.289898	3.018129	0.002933	0.162791
SLC43A2;GEMIN4;NXN;PITPNA	-0.50825	-3.01797	0.002934	0.162851
C11orf49;AGBL2;CELF1;KBTBD4;DDB2;PACSIN3;NDUFS3	-0.36671	-3.01578	0.002955	0.163166
PSMG3;GNA12;GPR146;IQCE;ELFN1	0.485996	3.015295	0.002959	0.163181
	0.230666	3.01672	0.002946	0.162989
	-0.19829	-3.01533	0.002959	0.163181
CERK	0.414626	3.01611	0.002952	0.163103
	-0.47298	-3.01816	0.002933	0.162791
	0.400661	3.016664	0.002947	0.162989

	-0.24687	-3.01663	0.002947	0.162989
FMN1	0.406144	3.017018	0.002943	0.162914
LPXN	-0.61785	-3.01726	0.002941	0.162914
	0.284784	3.015486	0.002957	0.163181
CPT1C;HSD17B14;RCN3;CARD8	0.4452	3.016622	0.002947	0.162989
VCAM1	-0.43256	-3.01715	0.002942	0.162914
	0.323547	3.017206	0.002942	0.162914
MVP	0.301912	3.017048	0.002943	0.162914
	0.224296	3.01697	0.002944	0.162918
CNDP2;CYB5A;ZNF407;FBXO15	-0.50459	-3.01595	0.002953	0.163145
	0.241372	3.016442	0.002949	0.163039
FAM83G;ALDH3A1	-0.4708	-3.01733	0.00294	0.162914
ENO1-IT1;SLC2A5;ENSG00000234546;PER3	-0.45376	-3.01427	0.002969	0.163366
ATP6V0A1;CNTNAP1;STAT5B	-0.28812	-3.01478	0.002964	0.163272
	0.218251	3.017071	0.002943	0.162914
	0.256279	3.016267	0.00295	0.163067
HEATR2	-0.38425	-3.01413	0.00297	0.163374
DYRK4	0.211389	3.015639	0.002956	0.163181
CCR5;KIF9-AS1;CXCR6;XCR1;KIF9;CCR2	0.434972	3.016498	0.002948	0.163032
	0.266474	3.016223	0.002951	0.163067
CCDC40;BAIAP2-AS1;CBX8;ENSG00000263069;CBX2;ENSG00000175911	-0.34119	-3.01586	0.002954	0.163163
MRPS31;OR7E36P;LINC00332;RGCC	-0.40808	-3.01499	0.002962	0.163232
LINC00222	0.260899	3.015085	0.002961	0.163205
CLDN7	0.202651	3.015363	0.002959	0.163181
	0.373315	3.014739	0.002964	0.163272
HSBP1	-0.3546	-3.01569	0.002955	0.163181
KIF3B;SNTA1;BPIFB1;CBFA2T2;ENSG00000260257;COMMD7	-0.38785	-3.01486	0.002963	0.163258
CERCAM;ODF2;DNM1;COQ4;ST6GALNAC6;TTC16;RALGPS1;WDR34;C9orf117;GARNL3;PKN3;ENG;CIZ1;SH2D3C;GLE1;AK1;SLC2A8;ANGPTL2;LCN2;LRSAM1	-0.35436	-3.01536	0.002959	0.163181
	-0.47925	-3.01521	0.00296	0.163181
	0.392274	3.015827	0.002954	0.163163
	0.287275	3.014893	0.002963	0.163258
ARNTL2	-0.28151	-3.01558	0.002957	0.163181
	-0.27259	-3.01412	0.00297	0.163374
	-0.30507	-3.01467	0.002965	0.163272
	-0.26036	-3.01446	0.002967	0.163334
	0.374995	3.015107	0.002961	0.163205
	0.263069	3.015389	0.002958	0.163181
	0.295357	3.013869	0.002972	0.163437
RAB20;COL4A1;COL4A2;ANKRD10	-0.2846	-3.01328	0.002978	0.163642
	0.239756	3.016032	0.002952	0.163122
	-0.2512	-3.01532	0.002959	0.163181
FRMD4A	-0.33862	-3.01462	0.002965	0.163272
	0.404355	3.014632	0.002965	0.163272

ABCA13;C7orf57;TNS3;PKD1L1	-0.29716	-3.01361	0.002975	0.163515
	-0.50862	-3.01434	0.002968	0.163366
ENSG00000254951	-0.47087	-3.01303	0.00298	0.163667
	0.44279	3.015588	0.002956	0.163181
ANKRD37;C4orf47;LRP2BP	-0.35879	-3.01432	0.002968	0.163366
SLC5A4;SMTN	-0.33031	-3.01523	0.00296	0.163181
PHLPP1	-0.4431	-3.01373	0.002974	0.163476
SHE;ATP8B2;TDRD10;S100A6;NPR1;SNAPIN;DENND4B;ILF2;C1orf43;GATAD2B;S100A14;S100A2;CRTC2;JTB	-0.33136	-3.0125	0.002985	0.163809
	-0.25348	-3.01388	0.002972	0.163437
SLC45A1;SPSB1;PARK7;SLC2A5	-0.39065	-3.01301	0.00298	0.163667
SUSD1;UGCG	0.372842	3.012906	0.002981	0.163667
	-0.28508	-3.0132	0.002979	0.163662
RASL12;RBPMS2;CILP;ZNF609;PARP16;CSNK1G1;TRIP4;ANKDD1A;SLC51B;PLEKHO2	0.329369	3.011979	0.00299	0.163931
	-0.33572	-3.01227	0.002987	0.163868
ENSG00000228242	0.346763	3.013378	0.002977	0.163615
	0.190354	3.01164	0.002993	0.163958
	0.427663	3.013849	0.002973	0.163437
	-0.36953	-3.01107	0.002999	0.164
BCL2L1;KIF3B;TTLL9;CCM2L;HCK;COX4I2	0.23907	3.011815	0.002992	0.163931
MAP4K1	-0.33601	-3.01414	0.00297	0.163374
NAT1;ENSG00000253671;PCM1;SLC7A2	-0.52742	-3.01297	0.002981	0.163667
	0.279951	3.010686	0.003002	0.164069
BLCAP;PPP1R16B	-0.38024	-3.0119	0.002991	0.163931
	-0.29542	-3.01171	0.002993	0.163945
	0.264422	3.014096	0.00297	0.163374
	-0.32302	-3.01122	0.002997	0.164
PPIF;ZMIZ1;ANXA11;TMEM254	-0.36388	-3.01243	0.002986	0.163825
VIMP	0.235273	3.01197	0.00299	0.163931
	-0.25179	-3.01153	0.002994	0.163992
	0.200049	3.010937	0.003	0.164024
	-0.25924	-3.01285	0.002982	0.163673
RPL7P26	-0.43506	-3.01186	0.002991	0.163931
HLA-F;HLA-E;HCP5;HLA-B;PPP1R18;PSORS1C3	0.403109	3.012908	0.002981	0.163667
	0.22906	3.012108	0.002989	0.163928
ESRP2;CDH1;CIRH1A	-1.02937	-3.01303	0.00298	0.163667
	0.310262	3.011409	0.002995	0.163992
	0.437791	3.012922	0.002981	0.163667
AKR1C3	0.335168	3.011708	0.002993	0.163945
	0.339515	3.011817	0.002992	0.163931
NPAS3	0.329789	3.011417	0.002995	0.163992
	-0.32265	-3.01255	0.002985	0.163807
	-0.33091	-3.01235	0.002987	0.163845
	-0.25322	-3.01193	0.002991	0.163931
	-0.26103	-3.01094	0.003	0.164024
	0.444889	3.010787	0.003001	0.164038

IGFBP5	0.255247	3.009465	0.003014	0.164341
CRTC3;FES;MAN2A2	-0.32746	-3.01144	0.002995	0.163992
CINP	0.282616	3.010886	0.003	0.164028
IQCE;GNA12;PSMG3-AS1	0.461866	3.011319	0.002996	0.164
	-0.20375	-3.00848	0.003023	0.164528
	0.236733	3.011133	0.002998	0.164
	0.436005	3.009969	0.003009	0.164233
	0.201963	3.010532	0.003004	0.164127
ARPC3;FAM222A;PPTC7;ACACB	-0.39528	-3.01109	0.002998	0.164
	0.256185	3.010053	0.003008	0.164233
	-0.57892	-3.0102	0.003007	0.164231
	-0.29221	-3.01131	0.002996	0.164
	0.269287	3.010847	0.003001	0.164028
SCARNA21;CLEC10A;BCL6B;ALOX12P2;KIAA0753;DVL2	-0.46035	-3.00853	0.003022	0.164528
	-0.26034	-3.00998	0.003009	0.164233
	-0.264	-3.00946	0.003014	0.164341
UBASH3A;RIPK4;SLC37A1	0.349846	3.01113	0.002998	0.164
	0.250036	3.009957	0.003009	0.164233
KRT23;KRT10;FKBP10	0.389004	3.00983	0.00301	0.164277
TIFAB	0.371062	3.011105	0.002998	0.164
TEAD3;ENSG00000272374;FANCE;PPARD;TCP11;ENSG0000027				
2288	-0.36591	-3.00901	0.003018	0.164387
	0.35514	3.010192	0.003007	0.164231
ACACB;ENSG00000256139;GPN3;ARPC3;GIT2	-0.42602	-3.00951	0.003013	0.164341
VWA7;C6orf25;TUBB;LSM2;CCHCR1;HLA-B	0.248976	3.010021	0.003008	0.164233
	0.322566	3.00802	0.003027	0.164659
	0.237093	3.009484	0.003013	0.164341
HOXB-AS2	-0.28405	-3.0089	0.003019	0.164421
	-0.30217	-3.00841	0.003024	0.164544
	0.337878	3.008839	0.003019	0.16443
RNF166;SPIRE2	-0.37692	-3.01032	0.003006	0.164213
CNTD1;ATP6V0A1;ENSG00000267002	0.236295	3.008091	0.003027	0.164647
	0.236231	3.00908	0.003017	0.164387
	0.176232	3.006503	0.003042	0.165027
	0.232793	3.010166	0.003007	0.164231
	0.340637	3.009495	0.003013	0.164341
CIB1;IDH2;CRTC3;WDR93;AP3S2;KIF7;BLM;HDDC3	-0.33767	-3.00948	0.003013	0.164341
	-0.29108	-3.0092	0.003016	0.164378
COMT	0.299589	3.009357	0.003015	0.164341
	0.21038	3.009338	0.003015	0.164341
	0.323869	3.009063	0.003017	0.164387
DHRS7B	0.30254	3.007457	0.003033	0.164847
	0.249218	3.009004	0.003018	0.164387
	0.290125	3.006941	0.003037	0.164915
	0.370812	3.007945	0.003028	0.164659
	-0.2619	-3.00663	0.00304	0.165027
	0.391962	3.009185	0.003016	0.164378

GPSM3;LST1;HLA-DOB;LTB	-0.31339	-3.00796	0.003028	0.164659
	0.279812	3.007033	0.003037	0.164898
	0.306862	3.008285	0.003025	0.164568
ADARB2	-0.49174	-3.00761	0.003031	0.16479
ATP5I	-0.28928	-3.00851	0.003023	0.164528
	0.370301	3.008656	0.003021	0.164503
	0.271413	3.009379	0.003014	0.164341
	0.245906	3.007839	0.003029	0.164692
	0.895344	3.007088	0.003036	0.16489
	-0.17125	-3.00716	0.003035	0.16489
	0.280116	3.005889	0.003047	0.165194
	0.440519	3.008363	0.003024	0.164548
	0.365187	3.006055	0.003046	0.165171
	-0.22407	-3.00562	0.00305	0.165264
	-0.30251	-3.00662	0.00304	0.165027
	0.270328	3.007241	0.003035	0.16489
	0.335269	3.005308	0.003053	0.165328
	-0.26689	-3.00716	0.003035	0.16489
SH2D2A	-0.2109	-3.00736	0.003033	0.164855
	-0.47008	-3.0057	0.003049	0.16525
	-0.21678	-3.00609	0.003045	0.165171
	-0.15423	-3.00589	0.003047	0.165194
NDUFS6	0.345196	3.007104	0.003036	0.16489
	0.405042	3.002071	0.003084	0.165785
	-0.36065	-3.00324	0.003073	0.165785
	-0.26533	-3.0065	0.003042	0.165027
	0.376023	3.00634	0.003043	0.165066
	0.404416	3.006918	0.003038	0.164915
	0.495183	3.005384	0.003052	0.165328
SDC4;TP53RK;SLC2A10	0.216972	3.004257	0.003063	0.16568
MEOX1;AOC3;PSME3;TMEM106A;BECN1	-0.62817	-3.0065	0.003042	0.165027
RN7SL801P	0.28032	3.00736	0.003033	0.164855
INPP5A;ADAM8;TUBGCP2;LRRC27;STK32C;ECHS1;KNDC1	-0.40489	-3.00643	0.003042	0.16504
	0.403616	3.005303	0.003053	0.165328
GZMA;ARL15	-0.46278	-3.00578	0.003049	0.165231
FBXL16	0.276878	3.005353	0.003053	0.165328
HOXD3;HOXD-AS1;ENSG00000230552	-0.32978	-3.00599	0.003046	0.165183
PDCD6IP;CMTM6;ENSG00000271020;FBXL2;GLB1;CRTAP;CLAS				
P2	-0.35654	-3.00452	0.00306	0.165649
	0.41465	3.002958	0.003075	0.165785
	0.285037	3.004364	0.003062	0.165674
DFFB	0.512006	3.002839	0.003077	0.165785
	0.21929	3.00281	0.003077	0.165785
TSPAN18;HSD17B12	-0.29285	-3.00392	0.003066	0.165758
	0.376622	3.003376	0.003071	0.165785
HDAC3	0.350597	3.00559	0.00305	0.165264

GPR156;NR1I2;MAATS1;PLA1A	-0.3738	-3.00377	0.003068	0.165764
	0.501828	3.005045	0.003055	0.16544
ENTPD1;SORBS1;PDLIM1;CYP2C18;PLCE1;ENSG00000269948	-0.36318	-3.0039	0.003066	0.165758
POU2AF1;ENSG00000255093;BTG4;BCO2;C11orf88;ENSG0000				
0255208;DIXDC1;PIH1D2;ENSG00000255428;ENSG000002549				
80;MIR34C	-0.42013	-3.00431	0.003062	0.165674
PPP6R1;HSPBP1	0.296581	3.004149	0.003064	0.165695
CCNC;ASCC3	0.322553	3.003829	0.003067	0.165758
C22orf34;ENSG00000213279;MAPK12	-0.55191	-3.00452	0.00306	0.165649
	0.332368	3.003822	0.003067	0.165758
NDRG1	-0.37411	-3.0049	0.003057	0.165496
	0.366089	3.004439	0.003061	0.165669
	0.287544	3.004147	0.003064	0.165695
	-0.31647	-3.00291	0.003076	0.165785
	0.239002	3.003884	0.003067	0.165758
FAM84A;MYCN	-0.25201	-3.00241	0.003081	0.165785
	-0.34712	-3.00223	0.003082	0.165785
	-0.35908	-3.00229	0.003082	0.165785
	-0.4504	-3.0037	0.003068	0.16578
	-0.21097	-3.00325	0.003073	0.165785
	0.413435	3.001607	0.003088	0.165816
	0.295042	3.004341	0.003062	0.165674
	0.140401	3.00233	0.003081	0.165785
	-0.19602	-3.00188	0.003086	0.165785
	-0.21858	-3.00238	0.003081	0.165785
STX18;SH3BP2;ADD1;TMEM128;FAM193A	-0.39734	-3.0021	0.003084	0.165785
	0.355994	3.000686	0.003097	0.165912
	-0.25698	-3.00333	0.003072	0.165785
	-0.21541	-3.00098	0.003094	0.165912
C22orf23;APOL3;ANKRD54	0.307292	3.001962	0.003085	0.165785
RPS6KA1;ATPIF1;THEMIS2;PIGV;HMGN2;MED18;NUDC	-0.20042	-3.00081	0.003096	0.165912
	-0.29638	-3.00323	0.003073	0.165785
	-0.33709	-3.00167	0.003088	0.165807
AAED1	0.331426	3.003626	0.003069	0.16578
	0.254711	3.003617	0.003069	0.16578
	0.324892	3.002167	0.003083	0.165785
IGF2;MRPL23;CARS	-0.34524	-3.00228	0.003082	0.165785
	0.381887	3.002786	0.003077	0.165785
	-0.35878	-3.00308	0.003074	0.165785
	-0.36937	-3.00257	0.003079	0.165785
	-0.29364	-3.00187	0.003086	0.165785
	-0.23675	-3.00169	0.003088	0.165807
	-0.24652	-3.00043	0.0031	0.165942
KCTD17;FAM227A;KDELR3	-0.31914	-3.00014	0.003103	0.165976
ZNF134;ZNF470;ZNF583;ZNF304	-0.25768	-3.00231	0.003082	0.165785
	-0.39008	-3.0028	0.003077	0.165785

FOXP4	0.225458	3.001706	0.003087	0.165807
	-0.23035	-3.00111	0.003093	0.165912
	-0.43647	-3.00229	0.003082	0.165785
	0.34629	3.00078	0.003096	0.165912
	-0.34985	-3.00315	0.003074	0.165785
	0.253717	3.002665	0.003078	0.165785
	-0.15928	-3.00169	0.003088	0.165807
EFNB2	0.412391	3.002193	0.003083	0.165785
	0.234769	3.00302	0.003075	0.165785
NLRC5;COQ9;C16orf80;CETP;MT1E;CCDC135;MT1F;KATNB1	0.259606	3.001941	0.003085	0.165785
	0.329795	3.001979	0.003085	0.165785
	-0.35872	-3.00126	0.003092	0.165912
PRR15L;SKAP1;TTLL6;ENSG00000235300;HOXB4	0.388569	3.003042	0.003075	0.165785
	-0.32239	-3.0009	0.003095	0.165912
	0.468452	3.002453	0.00308	0.165785
	-0.25078	-3.00212	0.003083	0.165785
	0.194129	3.001115	0.003093	0.165912
SPEG;DES	-0.40492	-3.00017	0.003102	0.165976
DEGS2	0.347487	3.003022	0.003075	0.165785
	-0.31586	-3.00245	0.00308	0.165785
STPG1	-0.31616	-3.0004	0.0031	0.165942
	0.146108	3.00269	0.003078	0.165785
PADI1	-0.53566	-3.00208	0.003084	0.165785
MDM1	0.279339	3.000463	0.003099	0.165942
	0.214094	3.001064	0.003094	0.165912
HOXA3;HOXA-AS2	-0.23088	-3.00235	0.003081	0.165785
	0.425804	3.001213	0.003092	0.165912
MEI1;TTLL1;MCAT	-0.28326	-3.00249	0.00308	0.165785
	-0.291	-3.00154	0.003089	0.165828
	-0.22368	-2.99996	0.003104	0.165982
	0.233905	3.00214	0.003083	0.165785
DGKA	0.348211	3.000499	0.003099	0.165942
CACNA1A;FBXW9	0.335581	3.000755	0.003097	0.165912
	-0.18524	-3.0003	0.003101	0.165972
	-0.43265	-3.00084	0.003096	0.165912
STMN3;SOX18	0.364972	3.001105	0.003093	0.165912
	0.302413	2.999255	0.003111	0.166209
C1orf168	-0.39698	-3.00091	0.003095	0.165912
	0.394019	3.001377	0.003091	0.165894
	0.286166	2.999337	0.00311	0.166209
HOXA-AS2;HOXA3;ENSG00000214870;TAX1BP1;HOXA2;HOXA5	0.24842	3.000658	0.003098	0.165912
MYH14;CD33;NAPSB;VRK3;KLK12	-0.33169	-3.00009	0.003103	0.165976
	-0.2811	-3.00005	0.003103	0.165976
	-0.35015	-2.99821	0.003121	0.166329
	0.21828	3.000717	0.003097	0.165912

PIAS2	0.322486	2.999966	0.003104	0.165982
SPINT2;PPP1R14A;ZNF540;ZNF573;ZNF527;ZNF607;ZNF568;HNRNPL;ENSG00000266916	-0.39323	-2.99855	0.003118	0.166258
KAZN;DNAJC16;HSPB7;EFHD2;FBLIM1;DDI2	-0.39634	-3.00094	0.003095	0.165912
	0.352887	2.999183	0.003112	0.166217
	0.406619	3.000435	0.0031	0.165942
TMEM119;WSCD2	0.266672	3.000108	0.003103	0.165976
	0.459056	2.999473	0.003109	0.166172
	0.199532	2.999024	0.003113	0.166217
	-0.1562	-2.99728	0.00313	0.16639
	0.344453	2.998839	0.003115	0.166231
	-0.2766	-2.99903	0.003113	0.166217
	0.262002	2.997622	0.003127	0.16639
KIAA1755;RPRD1B;VSTM2L;RALGAPB	-0.36109	-2.99952	0.003109	0.166167
	0.273234	2.9976	0.003127	0.16639
CHCHD3	-0.56374	-2.99955	0.003108	0.166167
	-0.25879	-2.99924	0.003111	0.166209
	-0.32381	-2.99665	0.003136	0.166441
TNXB;SLC44A4;NOTCH4;DDR1;CLIC1	-0.25408	-2.99857	0.003118	0.166258
	0.268274	2.997918	0.003124	0.16639
	0.288117	2.997252	0.003131	0.16639
	0.22891	2.998984	0.003114	0.166217
LRRC27;TTC40;INPP5A;KNDC1	-0.53212	-2.99779	0.003125	0.16639
	0.584442	2.999045	0.003113	0.166217
	0.33589	2.997695	0.003126	0.16639
	-0.40432	-2.99906	0.003113	0.166217
SLC37A1;RSPH1;TMPRSS3;C21orf128;ENSG00000225431;TMPRSS2;UMODL1;ENSG00000235772;LINC00479;LINC00111;ZNF295-AS1;PDE9A;TFF3;ABCG1	-0.4867	-2.99734	0.00313	0.16639
THBS2	0.267499	2.998918	0.003114	0.166231
	0.351159	3.000125	0.003103	0.165976
	0.230268	2.996559	0.003137	0.166441
	0.19637	2.997099	0.003132	0.16639
	-0.50655	-2.99797	0.003124	0.166389
	-0.2779	-2.99926	0.003111	0.166209
	0.397209	2.996726	0.003136	0.166441
TNXB;SLC44A4;LY6G5C;VWA7;CCHCR1;C6orf10;NELFE	0.271484	2.998127	0.003122	0.166329
	-0.25182	-2.99573	0.003145	0.166641
KIAA0125;IGHG2;IGHJ3P;IGHG1;AHNAK2;IGHV3-21;IGHG3;IGHV4-34;IGHM;IGHA1;IGHV1-2;IGHV3-23;C14orf79;GPR132;IGHV4-39;IGHA2;IGHG4;ADSSL1;IGHV3-7;IGHV3-15;IGHGP;CEP170B;IGHV3-11;INF2	-0.34385	-2.99815	0.003122	0.166329
	0.278774	2.998207	0.003121	0.166329
IGHV1-2;IGHG3;KIAA0125;IGHG1;IGHG2;AHNAK2;IGHM;IGHJ3P;IGHV3-21;IGHV3-11;IGHA1	-0.3779	-2.99825	0.003121	0.166329

	-0.18636	-2.99862	0.003117	0.166258
	0.337814	2.996613	0.003137	0.166441
	0.405008	2.998625	0.003117	0.166258
JMJD6	0.267825	2.996517	0.003138	0.166441
TBX2	0.378882	2.998658	0.003117	0.166258
	-0.34115	-2.99885	0.003115	0.166231
TMC8;ENSG00000178404;TMC6;TNRC6C-AS1;C1QTNF1;USP36;TNRC6C;ENSG00000267491;TIMP2;DNAH17	-0.27633	-2.99832	0.00312	0.166329
	0.341338	2.997323	0.00313	0.16639
	0.398297	2.998255	0.003121	0.166329
MBOAT7;OSCAR;MYADM;LILRB2;LILRA1	-0.32218	-2.99642	0.003139	0.166469
	-0.39147	-2.99733	0.00313	0.16639
HCP5	0.334472	2.996621	0.003137	0.166441
	0.19341	2.995386	0.003149	0.166641
	0.3296	2.997114	0.003132	0.16639
	-0.29016	-2.99708	0.003132	0.16639
ABHD17C;BCL2A1	0.416393	2.997469	0.003128	0.16639
SCUBE1;NUP50;ENSG00000226328;PARVB;ENSG00000230922	-0.31913	-2.99528	0.00315	0.166641
RPL5P30	-0.18666	-2.99677	0.003135	0.166441
ENSG00000206739;DGCR6	-0.34749	-2.99858	0.003118	0.166258
	-0.53778	-2.99731	0.00313	0.16639
TNS3	-0.47663	-2.9974	0.003129	0.16639
	0.278353	2.997148	0.003132	0.16639
	0.1843	2.994814	0.003154	0.166662
	-0.32729	-2.99651	0.003138	0.166441
E2F8;ENSG00000255160	-0.55995	-2.99769	0.003126	0.16639
MRPL23;CTSD	0.38079	2.997392	0.003129	0.16639
	-0.37003	-2.99413	0.003161	0.166683
FAM198A;ZNF662	0.281136	2.995217	0.00315	0.166641
DEF6;TCP11	-0.33989	-2.9966	0.003137	0.166441
MYEOV2	0.343673	2.99515	0.003151	0.166641
	0.287522	2.994918	0.003153	0.16665
DNAJC3	-0.24903	-2.99567	0.003146	0.166641
	0.381118	2.994441	0.003158	0.166683
MYCBPAP;COL1A1;ENSG00000248954;CACNA1G;SGCA	-0.30718	-2.99548	0.003148	0.166641
	0.234586	2.995337	0.003149	0.166641
	-0.27191	-2.99705	0.003133	0.16639
	-0.40661	-2.99736	0.00313	0.16639
	-0.24528	-2.9958	0.003145	0.166641
	-0.31582	-2.99749	0.003128	0.16639
GNA14	-0.3102	-2.99455	0.003157	0.166683
	0.303087	2.996099	0.003142	0.166553
	0.251941	2.996333	0.00314	0.166484
	0.36839	2.995625	0.003146	0.166641
	0.30627	2.993961	0.003163	0.166683

DEPDC1B	0.379308	2.997075	0.003132	0.16639
SLC25A45;FERMT3	-0.21412	-2.99665	0.003137	0.166441
RAB36;C22orf15;RTDR1;ENSG00000272019;GNAZ;CABIN1;MMP11	-0.47597	-2.99515	0.003151	0.166641
ADAMTS7	-0.32111	-2.99533	0.003149	0.166641
RASGRP3	-0.43614	-2.99494	0.003153	0.16665
PHF1;HMGA1;KIFC1;BAK1;PFDN6	-0.40245	-2.99619	0.003141	0.166524
	-0.40317	-2.99631	0.00314	0.166484
UQCC2;PFDN6	-0.39071	-2.99444	0.003158	0.166683
	-0.28728	-2.99667	0.003136	0.166441
	-0.35861	-2.9951	0.003152	0.166641
	-0.35012	-2.99509	0.003152	0.166641
	-0.21968	-2.99582	0.003145	0.166641
ADAMTSL5;PALM	0.264509	2.995224	0.00315	0.166641
	0.251902	2.993907	0.003163	0.166683
	-0.31428	-2.99565	0.003146	0.166641
	0.345145	2.993938	0.003163	0.166683
	0.168416	2.995311	0.00315	0.166641
SLC12A1	0.369053	2.993502	0.003167	0.166683
SPAG17	-0.37353	-2.99529	0.00315	0.166641
ASAP1	0.383922	2.995295	0.00315	0.166641
ENSG00000268838;TBC1D2B;HYKK	0.353253	2.993822	0.003164	0.166683
	-0.25301	-2.99472	0.003155	0.166671
	0.23878	2.994997	0.003153	0.16665
ANKRD10	0.35772	2.993879	0.003164	0.166683
	0.360633	2.994862	0.003154	0.166658
	-0.19361	-2.99354	0.003167	0.166683
	0.380697	2.994138	0.003161	0.166683
	0.368065	2.993646	0.003166	0.166683
UAP1;C1orf110;OLFML2B;DDR2;RGS5	0.323027	2.993387	0.003168	0.166683
	0.315403	2.994619	0.003156	0.166681
	-0.30953	-2.99399	0.003163	0.166683
	-0.30116	-2.99387	0.003164	0.166683
	0.1867	2.993514	0.003167	0.166683
	0.243153	2.994665	0.003156	0.166678
	0.319278	2.992559	0.003177	0.166924
DNAAF2;PYGL	0.422285	2.994514	0.003157	0.166683
ATR;ACPL2;TFDP2	0.272617	2.994388	0.003159	0.166683
	0.521196	2.993572	0.003167	0.166683
PPP4R1L;ZBP1;RAE1	-0.4124	-2.9951	0.003152	0.166641
	-0.28324	-2.99473	0.003155	0.166671
	-0.30937	-2.9935	0.003167	0.166683
TIE1;EBNA1BP2;TMEM125;PTPRF;ST3GAL3;C1orf210	-0.46262	-2.99351	0.003167	0.166683
BATF2	0.2962	2.994967	0.003153	0.16665
	-0.1637	-2.99197	0.003182	0.167029
	0.198657	2.992659	0.003176	0.166924
MRPL23;NAP1L4	-0.42244	-2.9916	0.003186	0.167108

	0.27817	2.993777	0.003165	0.166683
	0.258787	2.991275	0.003189	0.167164
	0.229813	2.992205	0.00318	0.166989
	0.34416	2.990457	0.003198	0.167324
	0.245524	2.993447	0.003168	0.166683
SLBP;CRIPAK;ZNF721	0.182695	2.991488	0.003187	0.167108
	0.293444	2.993338	0.003169	0.166688
	0.30209	2.992488	0.003177	0.166924
NRXN2;SIPA1;RASGRP2;CD248;MAP4K2;EFEMP2;CST6;TM7SF2;PPP2R5B;PYGM;LTBP3;MAP3K11;SLC25A45;EHBP1L1;EHD1;RNASEH2C	-0.40433	-2.99148	0.003187	0.167108
TTC39A;FAF1;RAB3B;ENSG00000261664;RNF11	-0.34417	-2.9931	0.003171	0.166778
	-0.34264	-2.99342	0.003168	0.166683
	0.288545	2.993435	0.003168	0.166683
PDCD6	0.301927	2.993752	0.003165	0.166683
MLKL	0.292204	2.99363	0.003166	0.166683
	0.252992	2.991616	0.003186	0.167108
	0.288978	2.993085	0.003171	0.166778
	0.358124	2.994069	0.003162	0.166683
	-0.29063	-2.99258	0.003176	0.166924
	-0.24905	-2.99282	0.003174	0.166893
LCK	0.434256	2.993544	0.003167	0.166683
NDFIP2	-0.39147	-2.99251	0.003177	0.166924
	0.354317	2.992677	0.003176	0.166924
	0.403051	2.99223	0.00318	0.166989
	0.384622	2.989452	0.003208	0.16756
	-0.37259	-2.99227	0.003179	0.166989
	0.307136	2.993461	0.003168	0.166683
	-0.24618	-2.99013	0.003201	0.167399
	0.272354	2.990934	0.003193	0.16722
RFTN1;EAF1-AS1	0.324422	2.990719	0.003195	0.167269
	0.143121	2.991197	0.00319	0.167184
WDR45B;C17orf89	-0.39929	-2.99254	0.003177	0.166924
ATF7;KRT7;PFDN5;MAP3K12;KRT18	-0.26416	-2.99175	0.003185	0.167084
	0.144328	2.991309	0.003189	0.167164
	0.295307	2.989653	0.003205	0.167516
	0.424954	2.992299	0.003179	0.166989
	-0.21225	-2.99208	0.003181	0.167022
CES2	-0.3246	-2.99063	0.003196	0.167274
UNC13B;STOML2;KIAA1161	-0.42797	-2.99206	0.003182	0.167022
CRADD	-0.23196	-2.99059	0.003196	0.167277
MFSD4;DYRK3	-0.29842	-2.99177	0.003184	0.167084
	-0.44989	-2.99037	0.003198	0.167341
PPP1R7;FARP2	-0.31491	-2.99186	0.003184	0.167066
	0.272299	2.989233	0.00321	0.167595
PCDHAC2	0.395856	2.984271	0.00326	0.168542
	-0.53158	-2.99091	0.003193	0.16722

	-0.33692	-2.992	0.003182	0.167029
MGAM	0.394861	2.988635	0.003216	0.167724
DNAJB1;TECR;CACNA1A	-0.34976	-2.99153	0.003187	0.167108
	0.493731	2.990997	0.003192	0.16722
	0.342977	2.989227	0.00321	0.167595
GFM2;FAM169A;HMGCR	-0.39339	-2.99066	0.003196	0.167274
SLC2A5;ENSG00000234546	-0.30232	-2.99002	0.003202	0.16743
	-0.30931	-2.99146	0.003188	0.167108
	0.213838	2.989125	0.003211	0.167628
	-0.21416	-2.99104	0.003192	0.16722
	-0.2556	-2.98848	0.003217	0.167724
	0.312683	2.989581	0.003206	0.167517
	0.40615	2.990345	0.003199	0.167341
	-0.27587	-2.98981	0.003204	0.167476
	0.354611	2.990998	0.003192	0.16722
	-0.2911	-2.99089	0.003193	0.16722
GPSM1	-0.22429	-2.98861	0.003216	0.167724
FAT4	0.38714	2.989809	0.003204	0.167476
	0.309778	2.989721	0.003205	0.167502
NOP56	0.225312	2.988692	0.003215	0.167724
	0.295784	2.988133	0.003221	0.167724
VSTM4;FRMPD2;ARHGAP22;C10orf128;ENSG00000232462;W				
DFY4;PTPN20CP	0.294656	2.990115	0.003201	0.167399
	0.397278	2.990845	0.003194	0.167224
	0.284055	2.989968	0.003202	0.167435
	0.231562	2.987483	0.003227	0.167838
PLEKHM3;KLF7;ADAM23;MDH1B	0.358829	2.990176	0.0032	0.167399
	-0.30993	-2.98864	0.003216	0.167724
ABCA7	-0.40468	-2.98804	0.003222	0.167724
	-0.36377	-2.98925	0.003209	0.167595
ENSG00000224992;SURF4	-0.33434	-2.98837	0.003218	0.167724
	-0.16402	-2.98784	0.003224	0.167765
	0.370142	2.987553	0.003226	0.167833
	-0.36804	-2.98827	0.003219	0.167724
	0.372519	2.986748	0.003235	0.168008
	-0.32335	-2.98823	0.00322	0.167724
SH3BP4;ACKR3	-0.5742	-2.98747	0.003227	0.167838
	0.273454	2.988142	0.003221	0.167724
	0.423263	2.989573	0.003206	0.167517
	-0.28218	-2.98804	0.003222	0.167724
	0.645873	2.987906	0.003223	0.167765
	0.341312	2.986137	0.003241	0.168193
	-0.27486	-2.98734	0.003229	0.167846
ITGAX;ITGAL;ITGAM;SEPT1;C16orf93;TGFB1I1	-0.33614	-2.98846	0.003217	0.167724
	-0.2702	-2.9881	0.003221	0.167724
	0.375689	2.988699	0.003215	0.167724
	-0.31668	-2.98705	0.003231	0.167931

WNT9A	-0.40841	-2.98928	0.003209	0.167595
OARD1	-0.36029	-2.98551	0.003247	0.16831
	0.281731	2.987762	0.003224	0.167765
	0.357424	2.987865	0.003223	0.167765
SLC44A4;PPP1R18;CLIC1;NELFE;PPP1R11;DDR1;HSPA1A;BAG6;NRM;HSPA1L;LY6G5C;TRIM39;MDC1;VWA7;DHX16;PPP1R10;C6orf25;MRPS18B;HSPA1B	-0.38863	-2.9848	0.003254	0.168388
	-0.3114	-2.98883	0.003214	0.167724
	0.255822	2.98837	0.003218	0.167724
CCR1;PTPN23	-0.34725	-2.98733	0.003229	0.167846
MPHOSPH9	0.215427	2.988532	0.003217	0.167724
	0.359639	2.988047	0.003222	0.167724
	0.290975	2.987249	0.00323	0.16787
FAM160A1;TMEM154	-0.40337	-2.98828	0.003219	0.167724
DDX18P1	0.426841	2.988376	0.003218	0.167724
	-0.24135	-2.98824	0.00322	0.167724
	0.356396	2.988535	0.003217	0.167724
HLA-K;HLA-H;OR2I1P	-0.23811	-2.98691	0.003233	0.167965
CCDC65;PRPH;ENSG00000258334;KCNH3;TUBA1A;ENSG00000257954	-0.35093	-2.98589	0.003243	0.168204
	0.265961	2.987789	0.003224	0.167765
	0.261993	2.984762	0.003255	0.168388
RPL13P12	0.248702	2.987185	0.00323	0.167883
	0.470935	2.986038	0.003242	0.168193
	0.373943	2.987419	0.003228	0.167842
SLC35G2	-0.42261	-2.98587	0.003243	0.168204
	-0.49099	-2.98762	0.003226	0.167818
	0.214916	2.985992	0.003242	0.168193
PSMG3;IQCE;GNA12	-0.43432	-2.98687	0.003233	0.167966
PKD1L1	-0.39667	-2.98456	0.003257	0.168456
	-0.3891	-2.98449	0.003257	0.168475
	0.153751	2.986112	0.003241	0.168193
LRRC15;FAM43A	0.256464	2.984975	0.003252	0.168388
	0.342461	2.985075	0.003251	0.168388
	-0.269	-2.98494	0.003253	0.168388
LRRC71;KIRREL;IQGAP3;GPATCH4;PMF1;KIRREL-IT1;FCRL5;PEAR1;NES;CRABP2;HDGF;LMNA	-0.37718	-2.98437	0.003259	0.168519
	-0.26736	-2.98242	0.003278	0.168989
LEPREL2;ATN1;VWF;GNB3;ANO2;SCNN1A;NTF3;IFFO1;ENSG00000257084;CD27-AS1;PTMS	-0.32337	-2.9851	0.003251	0.168388
	-0.23513	-2.98697	0.003232	0.167952
	0.281295	2.986046	0.003242	0.168193
CLSTN3;CD27;IFFO1	0.255489	2.986296	0.003239	0.168163
	0.31639	2.982937	0.003273	0.1689
	0.363992	2.98564	0.003246	0.168281
	-0.30539	-2.98637	0.003238	0.168147
	0.325676	2.984177	0.00326	0.168556

ASF1B	-0.26754	-2.9861	0.003241	0.168193
	-0.22218	-2.98491	0.003253	0.168388
VASH1	-0.25484	-2.98645	0.003238	0.168124
	0.294612	2.98544	0.003248	0.168324
RPAP2;TGFBR3;EVI5	-0.44573	-2.98487	0.003253	0.168388
	0.367115	2.984732	0.003255	0.168388
TJP1	-0.53761	-2.98552	0.003247	0.16831
	0.354956	2.986453	0.003238	0.168124
WBSCR22;ABHD11;CLDN3;ENSG00000233369	0.208547	2.985234	0.00325	0.168388
	0.217296	2.983928	0.003263	0.168646
	0.414719	2.985964	0.003242	0.168193
FDFT1;FAM167A;C8orf12;NEIL2;ENSG00000269918	-0.36979	-2.98318	0.003271	0.168833
ENSG00000240087	-0.30114	-2.98483	0.003254	0.168388
DNAH11;RAPGEF5;ENSG00000228649;FAM221A;FAM126A;CD				
CA7L;CCDC126	-0.47061	-2.98332	0.003269	0.168833
	0.382521	2.98513	0.003251	0.168388
GPHN	-0.39476	-2.98235	0.003279	0.16899
GPSM1;EGFL7	-0.3012	-2.98533	0.003249	0.168363
	-0.23298	-2.98494	0.003253	0.168388
	-0.16925	-2.98572	0.003245	0.168259
	0.297163	2.984841	0.003254	0.168388
	0.262813	2.981524	0.003287	0.169155
	0.423159	2.984244	0.00326	0.168542
	0.181176	2.983472	0.003268	0.168824
	0.327156	2.983511	0.003267	0.168824
CYB561;DDX5	0.321309	2.983101	0.003271	0.168854
	0.21427	2.982338	0.003279	0.16899
	-0.29742	-2.98279	0.003275	0.168934
CCDC40;PCYT2;LRRC45;BAIAP2-AS1;MAFG-				
AS1;ENSG00000261924;TMEM105;NOTUM;LINC00482	-0.44489	-2.9832	0.00327	0.168833
	0.187305	2.982416	0.003278	0.168989
	0.268927	2.982994	0.003272	0.16889
	0.214302	2.982021	0.003282	0.169054
	0.334861	2.982287	0.00328	0.168992
	0.388079	2.983232	0.00327	0.168833
BSN;CACNA2D2;C3orf18;RASSF1;AMT;SEMA3B;DOCK3;UBA7	-0.30758	-2.98398	0.003262	0.168639
	0.318328	2.981444	0.003288	0.169155
	-0.34906	-2.98326	0.00327	0.168833
SUDS3;CCDC60;TAOK3	0.38196	2.983223	0.00327	0.168833
MRPL23;CARS;ENSG00000255367;IGF2	-0.44018	-2.98262	0.003276	0.168981
	-0.29536	-2.98161	0.003287	0.169155
	0.349052	2.979528	0.003308	0.169622
FNBP1;PKN3;TBC1D13;LINC00963;DOLPP1	-0.30691	-2.98136	0.003289	0.169155
ASB4;ENSG00000231170;SHFM1	-0.4686	-2.98289	0.003274	0.168903
TBC1D8;IL1RL1;RFX8;ENSG00000272902;IL18R1	-0.32351	-2.98006	0.003302	0.169554
	-0.27826	-2.98215	0.003281	0.169009

CARD11;IQCE;GNA12;TMEM184A;PSMG3;SDK1	-0.34251	-2.98259	0.003277	0.168981
ROR2	0.351844	2.983658	0.003266	0.168767
	-0.28699	-2.98047	0.003298	0.169501
	-0.35246	-2.98261	0.003276	0.168981
TRAF4;TLCD1;IFT20;NLK;SPAG5;KIAA0100;TIAF1	-0.43974	-2.98222	0.00328	0.168992
	0.268738	2.982229	0.00328	0.168992
FAM78A	0.400092	2.983414	0.003268	0.168833
	-0.30959	-2.98245	0.003278	0.168989
TNRC6C;TIMP2;ENSG00000178404;C1QTNF1;TMC8;CBX2	-0.48693	-2.98134	0.003289	0.169155
SLC45A1;SPSB1;RERE	-0.37356	-2.98158	0.003287	0.169155
PPP1R11;GABBR1	0.335452	2.980086	0.003302	0.169554
	0.2665	2.981373	0.003289	0.169155
SAP30;HAND2-AS1	0.349584	2.978982	0.003313	0.169764
	0.290378	2.981405	0.003289	0.169155
METTL8;ITGA6;SLC25A12;RAPGEF4;ENSG00000225205	-0.39976	-2.97983	0.003305	0.169593
	0.295124	2.981964	0.003283	0.169064
	0.275703	2.98081	0.003295	0.169343
	0.225602	2.98101	0.003293	0.169279
	-0.40708	-2.98249	0.003278	0.168989
EBF2;DPYSL2;ADRA1A;BNIP3L	-0.37784	-2.97983	0.003305	0.169593
MIR143HG;MIR145;ENSG00000253864;MIR143	0.346548	2.979872	0.003304	0.169593
	-0.28198	-2.98132	0.003289	0.169155
	-0.30561	-2.97893	0.003314	0.169764
PIK3C2B;MDM4;NFASC	0.229579	2.981629	0.003286	0.169155
SNPH;SIRPA	-0.40044	-2.97895	0.003314	0.169764
	0.313002	2.980121	0.003302	0.169554
	-0.19684	-2.98019	0.003301	0.169554
CERK;ATXN10	0.400543	2.981445	0.003288	0.169155
PLAGL1	-0.48368	-2.98142	0.003288	0.169155
	0.334602	2.979805	0.003305	0.169593
PVT1	-0.53912	-2.98116	0.003291	0.169222
	0.351745	2.979013	0.003313	0.169764
	0.288374	2.979385	0.003309	0.169644
HLA-DQA2;SLC44A4;HCG25	0.313733	2.980281	0.0033	0.169554
UBTD1	-0.32198	-2.97887	0.003315	0.169774
UBASH3A;RIPK4	0.478494	2.980843	0.003294	0.169343
	0.165172	2.979506	0.003308	0.169622
	0.337838	2.97921	0.003311	0.169716
	0.369446	2.979656	0.003307	0.169622
	0.260862	2.979792	0.003305	0.169593
	0.196318	2.979589	0.003307	0.169622
PLAGL1;PHACTR2;SF3B5	0.437234	2.980165	0.003301	0.169554
	0.244846	2.977381	0.00333	0.170089
	-0.35116	-2.97825	0.003321	0.169888
CECR2	-0.40986	-2.98041	0.003299	0.169514
ACSL6	0.311347	2.979507	0.003308	0.169622
C11orf95	-0.31145	-2.97689	0.003335	0.170285

	0.418561	2.980168	0.003301	0.169554
	0.341332	2.977921	0.003324	0.169959
	0.282267	2.978531	0.003318	0.169863
WDR45B;PCYT2;NOTUM;LRRC45;MAFG-AS1;ZNF750	-0.50199	-2.97779	0.003326	0.169992
C19orf25	0.318183	2.978448	0.003319	0.169873
	0.241704	2.978105	0.003322	0.169932
C22orf34;MAPK12;RABL2B	0.301462	2.979139	0.003312	0.169733
PEX6	-0.39001	-2.97798	0.003324	0.169956
LAMC2	0.315976	2.978813	0.003315	0.169782
	0.3766	2.978367	0.00332	0.169888
	-0.34396	-2.97954	0.003308	0.169622
ZDHHC14;EZR;TAGAP;TATDN2P2	-0.33328	-2.97942	0.003309	0.169644
	0.368845	2.978049	0.003323	0.169941
LRRC43;KNTC1;MORN3;UNC119B;WDR66;DIABLO	-0.38176	-2.97758	0.003328	0.170028
	0.376898	2.97855	0.003318	0.169863
GPR133;FZD10-AS1	0.253103	2.974878	0.003356	0.170884
	0.216013	2.976345	0.003341	0.170437
	0.418484	2.977412	0.00333	0.170089
COX7A2L	0.272685	2.978236	0.003321	0.169888
	0.324428	2.978657	0.003317	0.169845
NID1;RYR2;MTR	-0.4054	-2.97851	0.003318	0.169863
SKI	-0.25708	-2.9776	0.003328	0.170028
SNORA23	-0.21426	-2.97457	0.003359	0.170983
FGF1;PCDHGA5;PCDHGC3;PCDHGB2;PCDHB1;KIAA0141;PCDHGA2;PCDH1;PCDH12;SPRY4;PCDHGA3;PCDHB13;PCDHB9;PCDHGB3;GNPDA1;PCDHGA9;PCDHB5;PCDHB7;PCDHB10;PCDHB14;ARHGAP26;PCDHB16;PCDHGA7;PCDHGA4;ARAP3;PCDHB8;PCDHB12;PCDHB11;PCDHB2;PCDHAC1;PCDHGB7;PCDHB15;PCDHGB1;PCDHB18;PCDHGA11;PCDHGA8;PCDHGB6;PCDHB4	-0.38547	-2.97825	0.003321	0.169888
ATXN2;TCTN1;TMEM116	-0.25617	-2.97607	0.003343	0.170515
CARS	0.284027	2.977575	0.003328	0.170028
	-0.21224	-2.97707	0.003333	0.170214
CBL;SLC37A4;MCAM;PHLDB1	-0.24508	-2.97626	0.003342	0.170437
	-0.46121	-2.9779	0.003325	0.169959
DIO3OS;RCOR1;DIO3;ANKRD9	-0.46972	-2.97823	0.003321	0.169888
ADAM8;FUOM	-0.23909	-2.97728	0.003331	0.170125
	-0.3915	-2.97776	0.003326	0.169992
	0.379687	2.976533	0.003339	0.170437
LATS2;MICU2;LATS2-AS1	0.414766	2.97536	0.003351	0.170729
B3GNT3;JAK3	-0.37969	-2.97588	0.003345	0.170528
MT1E;NLRC5;COQ9;GNAO1;MT1F	-0.46287	-2.97526	0.003352	0.170746
	0.239787	2.976381	0.00334	0.170437
	0.364814	2.974842	0.003356	0.170884
	0.363028	2.975541	0.003349	0.170675
	0.233294	2.974358	0.003361	0.171015
CEP104;MEGF6;TP73-AS1;TP73;DFFB	0.331445	2.974971	0.003355	0.170874

	0.216262	2.974834	0.003356	0.170884
	0.417738	2.976024	0.003344	0.170521
SLBP	0.291836	2.976272	0.003341	0.170437
SNHG3;SPCS2P4;SNORA73B	0.208274	2.976382	0.00334	0.170437
CD9;IFFO1;CLSTN3;ANO2;LEPREL2;VWF;CHD4;MRPL51;COPS7A;ATN1	-0.41661	-2.97424	0.003363	0.171034
ENSG00000227038;STYXL1;POR;MDH2	-0.64929	-2.97591	0.003345	0.170528
C6orf132;RRP36	-0.37777	-2.97631	0.003341	0.170437
PTPRN2;ENSG00000231980;WDR60	-0.35902	-2.97317	0.003374	0.171181
	-0.32477	-2.97427	0.003362	0.171034
	-0.39333	-2.97379	0.003367	0.17113
LRBA;ENSG00000251611;FAM160A1;TMEM154	0.242871	2.976357	0.003341	0.170437
	-0.22227	-2.9737	0.003368	0.17113
RTN4RL1	-0.26062	-2.97409	0.003364	0.171035
FAM81A;MYO1E;CGNL1	-0.41656	-2.97418	0.003363	0.171034
HOXB4;PRR15L;HOXB3;TBKBP1;HOXB-AS2;LRRC46;MIR10A;NPEPPS;TTLL6;COPZ2;HOXB-AS3;CALCOCO2;ITGB3;EFCAB13	0.413862	2.975985	0.003344	0.170521
	-0.27275	-2.97547	0.00335	0.170689
ENSG00000266696	0.214548	2.973671	0.003368	0.17113
	0.322361	2.976484	0.003339	0.170437
	0.206551	2.974476	0.00336	0.171014
	-0.26955	-2.9728	0.003378	0.171204
	-0.43631	-2.97586	0.003346	0.170528
	0.325355	2.973877	0.003366	0.171128
ZNF300P1	0.339222	2.974798	0.003357	0.170884
	0.202288	2.972002	0.003386	0.171345
	-0.35878	-2.97377	0.003367	0.17113
	-0.37536	-2.97253	0.00338	0.171227
DNAH3;VWA3A;ERI2;ENSG00000005189;LYRM1;EEF2K;DCUN1D3	-0.22739	-2.97279	0.003378	0.171204
	0.241204	2.97417	0.003363	0.171034
	0.256264	2.97409	0.003364	0.171035
PPP1R14C;CCDC170;AKAP12;C6orf211;MTHFD1L	0.378356	2.973537	0.00337	0.17113
	0.428889	2.975251	0.003352	0.170746
RTN4IP1	0.271316	2.973489	0.00337	0.17113
	-0.20089	-2.97203	0.003386	0.171345
LINC00675	0.356254	2.973055	0.003375	0.171181
	-0.26748	-2.97363	0.003369	0.17113
TJP3;PTPRS;GIPC3;LRG1;TNFAIP8L1;SEMA6B;APBA3;C19orf10	-0.37486	-2.97252	0.00338	0.171227
	-0.40981	-2.97307	0.003375	0.171181
	0.335388	2.973528	0.00337	0.17113
	-0.28011	-2.97221	0.003384	0.171302
APOBEC4;TRMT1L;LAMC2	-0.29935	-2.97175	0.003389	0.171345
GPR183	0.357168	2.974377	0.003361	0.171015
	0.24377	2.974386	0.003361	0.171015

ENSG00000229951	-0.41547	-2.9735	0.00337	0.17113
	-0.32507	-2.97306	0.003375	0.171181
	0.243062	2.972737	0.003378	0.171204
	-0.39758	-2.97306	0.003375	0.171181
	0.363781	2.97251	0.003381	0.171227
RABL2B;DENND6B	0.235745	2.971487	0.003391	0.171402
	0.365455	2.972461	0.003381	0.171227
ENSG00000251307;FST;DHX29;CCNO	-0.44102	-2.97337	0.003372	0.171171
	0.342096	2.971483	0.003391	0.171402
	0.297402	2.973229	0.003373	0.171181
	0.307566	2.97101	0.003396	0.171516
	0.154444	2.972931	0.003376	0.171204
ASAH2B	0.343667	2.971798	0.003388	0.171345
	-0.32943	-2.97073	0.003399	0.171576
	-0.19311	-2.97	0.003407	0.171762
	0.480381	2.972129	0.003385	0.171323
	0.243544	2.971613	0.00339	0.171384
	-0.53599	-2.97307	0.003375	0.171181
LDB1;KCNIP2;FAM178A;DPCD;C10orf32	-0.52873	-2.97132	0.003393	0.171448
IRF8;ZCCHC14	-0.5928	-2.96866	0.003421	0.171928
	-0.31564	-2.97185	0.003387	0.171345
	-0.30036	-2.97305	0.003375	0.171181
	0.260292	2.97283	0.003377	0.171204
	0.307139	2.973605	0.003369	0.17113
DENND3;TRAPPC9;SLC45A4	-0.71486	-2.96825	0.003425	0.171977
	-0.34734	-2.97242	0.003381	0.171227
	-0.22534	-2.97267	0.003379	0.171217
POLE	-0.26854	-2.97053	0.003401	0.171645
C11orf63;SCN3B;CLMP	-0.34882	-2.97228	0.003383	0.171286
	0.159131	2.971592	0.00339	0.171384
	0.366474	2.972735	0.003378	0.171204
JAK3;FCHO1;IL12RB1;BST2;MYO9B;PLVAP	-0.35495	-2.97276	0.003378	0.171204
DNAJC16;FHAD1;RSG1;KAZN;ENSG00000228140;ARHGEF19;ZB TB17;ENSG00000238142	-0.36798	-2.9719	0.003387	0.171345
	0.347509	2.971812	0.003388	0.171345
	-0.21964	-2.97085	0.003398	0.171536
	0.302461	2.969157	0.003416	0.171911
	0.20175	2.971742	0.003389	0.171345
	-0.35007	-2.97176	0.003388	0.171345
	0.294509	2.969458	0.003413	0.171896
JHDM1D-AS1;KDM7A	-0.4806	-2.97244	0.003381	0.171227
CEP68	-0.32846	-2.97114	0.003395	0.171484
	-0.2956	-2.9697	0.00341	0.171866
SLC17A9	-0.44122	-2.97142	0.003392	0.171416
	0.209159	2.968879	0.003419	0.171911
LRRC15	-0.39523	-2.97028	0.003404	0.171655
	-0.3588	-2.9712	0.003394	0.171475

	0.263198	2.971192	0.003394	0.171475
PDE2A	-0.23583	-2.96933	0.003414	0.171896
	-0.28265	-2.971	0.003396	0.171516
SGIP1	-0.43295	-2.96936	0.003414	0.171896
	0.310579	2.968849	0.003419	0.171911
	0.214142	2.968885	0.003419	0.171911
	0.31719	2.969654	0.003411	0.171866
	0.402496	2.970461	0.003402	0.171646
	-0.34763	-2.96857	0.003422	0.17193
	-0.41069	-2.97042	0.003402	0.171646
	0.303694	2.96955	0.003412	0.171896
PARVG;MCAT;TTLL1;LDOC1L	-0.33235	-2.97085	0.003398	0.171536
	-0.32895	-2.97063	0.0034	0.171611
IFNGR1	-0.32536	-2.96922	0.003415	0.171911
	-0.19339	-2.96809	0.003427	0.171977
	0.241022	2.969054	0.003417	0.171911
	-0.33779	-2.97011	0.003406	0.171724
GALE;CLIC4;ID3	-0.3431	-2.97096	0.003397	0.171517
MPRIP;LRRC48;ALKBH5;PLD6;MIEF2	-0.43048	-2.96892	0.003418	0.171911
	-0.56075	-2.97035	0.003403	0.171655
ARIH1	-0.18183	-2.96875	0.00342	0.17192
	0.249009	2.968068	0.003427	0.171977
CEP104;DFFB;MEGF6;TP73-AS1	-0.43272	-2.96803	0.003428	0.171977
	-0.33019	-2.96937	0.003414	0.171896
	-0.46725	-2.96896	0.003418	0.171911
	0.236754	2.968004	0.003428	0.171977
	0.275508	2.967959	0.003428	0.171979
	0.153629	2.968949	0.003418	0.171911
	0.399141	2.96986	0.003408	0.171817
DHRS7B;B9D1;MFAP4;ULK2;MAPK7;LGALS9B;MEIS3P2;SLC47A1	-0.51367	-2.96813	0.003427	0.171977
	-0.35586	-2.96854	0.003422	0.17193
	-0.2717	-2.96952	0.003412	0.171896
	0.242806	2.9688	0.00342	0.171915
	-0.31361	-2.96814	0.003427	0.171977
	0.301479	2.968715	0.00342	0.17192
	-0.85844	-2.97041	0.003403	0.171646
	0.252545	2.96789	0.003429	0.171986
ITGB2;TRPM2	0.429684	2.969383	0.003413	0.171896
	0.139721	2.96809	0.003427	0.171977
	-0.3687	-2.97029	0.003404	0.171655
DNMBP;ERLIN1;HPSE2;ENTPD7;CHUK;BLOC1S2	-0.48199	-2.96885	0.003419	0.171911
	0.268734	2.968846	0.003419	0.171911
PPFIBP1;PTHLH;KLHL42;ENSG00000248100;ENSG00000247934;ITPR2;ENSG00000256056	-0.36759	-2.96555	0.003454	0.172537
	0.297261	2.967618	0.003432	0.172052
	0.314062	2.968435	0.003423	0.171968

	0.324604	2.966867	0.00344	0.17226
	0.451009	2.968851	0.003419	0.171911
GPATCH2L;LTBP2;MLH3;IFT43;TGFB3;PGF;ZC2HC1C;TTLL5;FCF1				
;ISCA2;ENSG00000259319	-0.45383	-2.96765	0.003432	0.172052
	0.681499	2.969672	0.00341	0.171866
	-0.32587	-2.96804	0.003428	0.171977
COL4A1;COL4A2;RAB20;ANKRD10	-0.29683	-2.96713	0.003437	0.17219
	0.315939	2.968568	0.003422	0.17193
	0.325055	2.967838	0.00343	0.171986
	0.421773	2.965998	0.003449	0.172437
KIF21B;NR5A2	0.275354	2.968001	0.003428	0.171977
AGAP1	0.297726	2.966604	0.003443	0.172291
	-0.5068	-2.96705	0.003438	0.172199
	0.253531	2.967594	0.003432	0.172052
	0.290926	2.967489	0.003433	0.17207
NARS2	-0.39789	-2.96462	0.003464	0.17271
NKD2	0.513897	2.967286	0.003436	0.17215
	-0.26603	-2.96653	0.003444	0.172291
	0.234124	2.966809	0.003441	0.172267
	0.17257	2.96488	0.003461	0.172644
	0.304691	2.967105	0.003438	0.17219
	-0.65321	-2.96565	0.003453	0.172521
	-0.38013	-2.96783	0.00343	0.171986
BHMT	-0.56837	-2.96812	0.003427	0.171977
UBXN11;NUDC;PIGV;ZDHHC18;CNKSR1;HMGN2	-0.32692	-2.96655	0.003443	0.172291
JAM3;IGSF9B	0.415264	2.966456	0.003444	0.172294
FNDC5;S100PBP	-0.44488	-2.96654	0.003444	0.172291
	0.255178	2.965107	0.003459	0.172589
	0.29231	2.967483	0.003434	0.17207
	0.146787	2.966289	0.003446	0.172343
WDR45B;PCYT2;PYCR1	-0.49126	-2.9665	0.003444	0.172291
SMAP2;RHBDL2;CITED4;AKIRIN1;MACF1;ZMPSTE24;BMP8B;MF				
SD2A;KCNQ4;HEYL	0.330516	2.963552	0.003475	0.172862
	0.271364	2.967256	0.003436	0.17215
	-0.42322	-2.96516	0.003458	0.172581
FGD5;SH3BP5	-0.28831	-2.96672	0.003442	0.172291
	-0.41022	-2.96686	0.00344	0.17226
ANKRD11;PIEZO1;TRAPPC2L	0.347651	2.9663	0.003446	0.172343
ARL6;DCBLD2;ENSG00000233280;CLDND1;CRYBG3;ST3GAL6	-0.36855	-2.96453	0.003465	0.172724
NUAK2;PIK3C2B;MDM4	-0.38952	-2.96561	0.003453	0.172521
	0.264019	2.965167	0.003458	0.172581
	-0.31307	-2.96622	0.003447	0.172358
	-0.64351	-2.96433	0.003467	0.17276
	0.339631	2.9642	0.003469	0.172811
	-0.28818	-2.96586	0.003451	0.172471
	0.602458	2.963553	0.003475	0.172862

JAK3;BST2;FCHO1;ENSG00000269640;IL12RB1;ENSG00000254				
503;LRRC25;B3GNT3;MAST3	-0.50349	-2.96664	0.003442	0.172291
FAM92B;C16orf74;MTHFSD;USP10	-0.29125	-2.96527	0.003457	0.172581
	-0.36255	-2.96533	0.003456	0.17258
LINC00900;CADM1	0.267022	2.964635	0.003464	0.17271
AGAP2	0.283251	2.965719	0.003452	0.172505
	-0.2197	-2.96518	0.003458	0.172581
	0.26067	2.965939	0.00345	0.172449
SNCG;GRID1;MMRN2;MINPP1	0.259601	2.964903	0.003461	0.172644
PCSK4;GRIN3B;CNN2;PALM	-0.28703	-2.96602	0.003449	0.172437
	0.200755	2.964116	0.003469	0.172816
FERMT2;NID2;ERO1L;PTGDR	-0.45588	-2.96532	0.003457	0.17258
COTL1	-0.37263	-2.96338	0.003477	0.17289
	-0.25948	-2.96531	0.003457	0.17258
RPL27	0.273725	2.962023	0.003492	0.17319
	-0.41768	-2.96472	0.003463	0.172694
	0.329517	2.965399	0.003456	0.17258
DNAJB6	-0.41708	-2.96485	0.003462	0.172644
	0.135471	2.96415	0.003469	0.172816
AAGAB;RAB11A	-0.55522	-2.9636	0.003475	0.172862
DNM1P47	-0.28498	-2.9637	0.003474	0.172862
	-0.26822	-2.96404	0.00347	0.172837
	0.358704	2.963163	0.00348	0.172942
REEP6	-0.20938	-2.96372	0.003474	0.172862
	0.258558	2.965776	0.003452	0.172495
	-0.1609	-2.96174	0.003495	0.173222
	0.254414	2.962916	0.003482	0.172974
CXCR2;PNKD	0.214949	2.963201	0.003479	0.172942
WDR45B;PCYT2;LRRC45;SLC25A10;NOTUM;CCDC57	-0.32068	-2.96161	0.003496	0.173247
	-0.18427	-2.96368	0.003474	0.172862
	-0.29411	-2.96451	0.003465	0.172724
	-0.32076	-2.96485	0.003462	0.172644
	0.305245	2.964464	0.003466	0.172731
	0.43413	2.962589	0.003486	0.173068
	-0.2116	-2.96377	0.003473	0.172862
RQCD1;DNAJB2;STK11IP	0.288651	2.964424	0.003466	0.172732
C1orf216	-0.347	-2.96304	0.003481	0.17297
	0.162671	2.963976	0.003471	0.172851
	0.260482	2.96354	0.003476	0.172862
	0.298919	2.963455	0.003477	0.172879
	0.554388	2.962483	0.003487	0.173094
	0.413311	2.962373	0.003488	0.173123
	0.292087	2.963035	0.003481	0.17297
POC1B	-0.3973	-2.96294	0.003482	0.172974
TMC8;TMC6;TNRC6C-AS1;RHBDF2	0.266469	2.962929	0.003482	0.172974
HAL	-0.37139	-2.96246	0.003487	0.173094
	-0.31695	-2.96219	0.00349	0.173183

PPP4R1;VAPA	-0.36876	-2.96151	0.003497	0.173263
PSMA5;LAMTOR5;SYPL2;TAF13;CLCC1	-0.39221	-2.96211	0.003491	0.173183
	0.365299	2.963676	0.003474	0.172862
	-0.33095	-2.96211	0.003491	0.173183
	-0.43605	-2.96274	0.003484	0.173045
	-0.26256	-2.95946	0.00352	0.173576
	0.403512	2.962708	0.003485	0.173045
	0.18778	2.962592	0.003486	0.173068
	0.50344	2.963629	0.003475	0.172862
	0.425564	2.963172	0.00348	0.172942
THNSL2	-0.44321	-2.96205	0.003492	0.17319
C17orf85;SHPK	-0.49859	-2.96378	0.003473	0.172862
CIAPIN1	-0.28099	-2.96136	0.003499	0.173305
	0.28136	2.961958	0.003493	0.173204
TP73-AS1	0.631101	2.963432	0.003477	0.172879
	0.286134	2.959959	0.003514	0.173491
FOXP1-AS1	0.233974	2.960617	0.003507	0.173444
	-0.20475	-2.95982	0.003516	0.173543
	0.361548	2.96031	0.00351	0.173484
	0.25085	2.961762	0.003495	0.173222
	0.284396	2.961795	0.003494	0.173222
	0.160621	2.961194	0.003501	0.173305
	0.264505	2.961807	0.003494	0.173222
	0.298001	2.961168	0.003501	0.173305
	-0.38551	-2.96167	0.003496	0.173236
ENSG00000229852;KCNQ5;EIF3EP1;MTO1;SLC17A5;RIMS1;KH DC1	-0.31819	-2.95891	0.003526	0.173733
	-0.36438	-2.96096	0.003503	0.173348
PTPRF;ERI3	-0.46575	-2.96158	0.003497	0.173247
CYS1;KLF11;RRM2;CPSF3;ADAM17;ENSG00000260077;HPCAL1	-0.50675	-2.96212	0.003491	0.173183
FARP1;DOCK9;STK24-AS1;TM9SF2	-0.40634	-2.96094	0.003504	0.173348
	0.277486	2.957607	0.00354	0.173951
ENSG00000255367	-0.41947	-2.96111	0.003502	0.173317
	0.217767	2.960081	0.003513	0.173491
	-0.40792	-2.96129	0.0035	0.173305
	0.236798	2.958457	0.003531	0.173841
	0.247476	2.959994	0.003514	0.173491
	0.295179	2.961287	0.0035	0.173305
DNAH10;CCDC92;TCTN2	-0.34866	-2.9612	0.003501	0.173305
TENM2	-0.45573	-2.96097	0.003503	0.173348
MRGPRF	0.205011	2.958572	0.003529	0.173833
SQLE;LINC00964;MTSS1;FER1L6;ZNF572;ENSG00000254000;E NSG00000237586	-0.42361	-2.96001	0.003514	0.173491
PEX6	-0.49415	-2.96072	0.003506	0.173424
	-0.18763	-2.95929	0.003522	0.17363
	-0.2244	-2.95772	0.003539	0.173949

	0.318398	2.961888	0.003493	0.173222
	0.375929	2.959492	0.003519	0.173576
CCDC138;GCC2;SH3RF3-AS1;SULT1C4	0.352802	2.960029	0.003513	0.173491
	0.310126	2.960097	0.003513	0.173491
CARS	0.281121	2.960572	0.003508	0.173444
ARPC5L;RABEPK;SCAI;PSMB7	-0.24504	-2.95879	0.003527	0.173739
C17orf97;DOC2B;ENSG00000262003	0.406729	2.960848	0.003505	0.173376
THBS2	-0.36947	-2.96038	0.00351	0.173484
SEC14L5	-0.43297	-2.96117	0.003501	0.173305
PRKRIRP7;ENSG00000254352	0.218688	2.960423	0.003509	0.173483
	0.426704	2.960328	0.00351	0.173484
	-0.19039	-2.95945	0.00352	0.173576
ENSG00000259225	0.547522	2.95958	0.003518	0.173576
	0.299584	2.960218	0.003511	0.173491
	0.365444	2.960147	0.003512	0.173491
	-0.20496	-2.96045	0.003509	0.173483
	-0.39229	-2.96058	0.003507	0.173444
	0.25955	2.959135	0.003523	0.173672
	0.454238	2.95902	0.003524	0.173693
ZKSCAN1;ZCWPW1;RABL5;ZNF3;AP4M1;EPHB4;ZNHIT1;GAL3ST4;MCM7;STAG3;ACHE;ZNF655;ENSG00000260336;TRIP6;ENSG00000239521;MOSPD3;GNB2	-0.36885	-2.95845	0.003531	0.173841
	0.294682	2.958854	0.003526	0.173739
SNORA71A;SNORA71D	-0.28424	-2.95907	0.003524	0.173685
RFX2;HSD11B1L;PTPRS;CAPS;ENSG00000267262;CATSPERD;TNFSF14;ENSG00000267299	-0.33688	-2.95699	0.003547	0.17401
	0.237401	2.957284	0.003543	0.173975
	0.259087	2.960081	0.003513	0.173491
HES6;TRAF3IP1	-0.24866	-2.95943	0.00352	0.173576
MAP4K1;GMFG;PLEKHG2;PAK4	-0.23511	-2.95945	0.00352	0.173576
	0.238159	2.959571	0.003518	0.173576
SKI;MEGF6;DFFB;RER1;TP73-AS1	0.417725	2.957848	0.003537	0.173921
	0.30337	2.957226	0.003544	0.173975
	-0.15297	-2.9567	0.00355	0.174029
	-0.3297	-2.9592	0.003522	0.173658
	0.328072	2.955468	0.003563	0.17428
	-0.23808	-2.95956	0.003519	0.173576
AKR1C3	-0.26049	-2.95945	0.00352	0.173576
HIGD1B;EFTUD2;NSF;LRRC37A4P;ACBD4	-0.28411	-2.95727	0.003543	0.173975
	-0.22676	-2.95708	0.003546	0.17401
	0.358915	2.958525	0.00353	0.173839
	-0.31448	-2.95765	0.003539	0.173949
CSNK1A1	-0.44306	-2.95683	0.003548	0.17401
	-0.31345	-2.95765	0.003539	0.173949
TPBG;IBTK	-0.26492	-2.95833	0.003532	0.173862
FKBP10;KRT15;TNS4;IGFBP4;KRT23;KRT20;NR1D1;HAP1;KRT17;KRT12;MED24;ENSG00000234477;LEPREL4	-0.52948	-2.95822	0.003533	0.173884

TACC2	-0.39836	-2.95879	0.003527	0.173739
	0.171606	2.956221	0.003555	0.174135
	-0.32928	-2.95329	0.003587	0.174815
ENSG00000256139	-0.40738	-2.95824	0.003533	0.173884
TAPSAR1;HCP5	-0.25169	-2.95836	0.003532	0.173862
CDCP1;SLC6A20;LRRC2;ZNF660;CLEC3B;ZNF197;LARS2;LZTFL1;				
TMEM158;CXCR6	0.297537	2.956243	0.003555	0.174135
	0.334054	2.957026	0.003546	0.17401
RPF2	-0.31087	-2.95466	0.003572	0.174448
STK10;ERGIC1	-0.35145	-2.95541	0.003564	0.174289
	0.247601	2.957882	0.003537	0.173921
FZD4;SYTL2;ENSG00000255471;CCDC89	-0.51995	-2.95656	0.003551	0.174074
	0.367348	2.957256	0.003544	0.173975
RABL2B;C22orf34;DENND6B;ENSG00000235111	0.429633	2.958003	0.003536	0.173898
NUP37;ARL1	0.418931	2.95474	0.003571	0.174438
C4orf32	0.369467	2.958109	0.003534	0.173898
NSFL1C;C20orf96	-0.31025	-2.95805	0.003535	0.173898
	0.316971	2.957734	0.003538	0.173949
	0.404181	2.958002	0.003536	0.173898
	0.290959	2.957186	0.003544	0.173977
	0.474142	2.958089	0.003535	0.173898
	0.266032	2.955778	0.00356	0.174213
LINC00963	0.199772	2.956252	0.003555	0.174135
	0.281888	2.955999	0.003557	0.174194
	0.173737	2.956058	0.003557	0.17419
	0.342033	2.95726	0.003544	0.173975
	0.405122	2.954729	0.003571	0.174438
FADS3;RAB3IL1	0.265359	2.95693	0.003547	0.17401
HES2	-0.23829	-2.95753	0.003541	0.173972
	-0.80544	-2.95693	0.003547	0.17401
	0.302154	2.955848	0.003559	0.174213
CIITA;TXNDC11	-0.38073	-2.95797	0.003536	0.173898
	0.321994	2.956873	0.003548	0.17401
GIMAP8;ATG9B;GIMAP6;REPIN1	0.47254	2.956679	0.00355	0.174029
OSBPL2;C20orf166-AS1;GATA5;ENSG00000228812	-0.21458	-2.95684	0.003548	0.17401
	0.288841	2.955133	0.003567	0.17436
	-0.28703	-2.95604	0.003557	0.17419
	-0.34075	-2.95645	0.003553	0.174074
	-0.39479	-2.95571	0.003561	0.174228
SH3BP2	-0.2876	-2.95531	0.003565	0.174323
CPNE5;PI16;TBC1D22B	-0.33104	-2.95646	0.003552	0.174074
	-0.45413	-2.95674	0.003549	0.174029
	-0.26873	-2.95593	0.003558	0.174211
GPR183	-0.35675	-2.95729	0.003543	0.173975
	0.149602	2.957225	0.003544	0.173975
GFPT2;FLT4;CNOT6;RNF130	0.34704	2.955796	0.00356	0.174213
DHX57;ARHGEF33;MORN2;GEMIN6;RMDN2-AS1;GALM	-0.35928	-2.95356	0.003584	0.17473

	0.27174	2.954492	0.003574	0.174483
	-0.29238	-2.95517	0.003567	0.174359
	0.285451	2.954979	0.003569	0.174397
	0.33609	2.954189	0.003577	0.174568
TMC8	0.361245	2.957303	0.003543	0.173975
SLC12A4;CMTM4;CDH5;GFOD2;FAM65A;ZDHHC1;RANBP10;RLTPR;CES4A;ATP6V0D1;TSNAXIP1;ENKD1;LCAT;TRADD;FAM96B;TPPP3;CMTM3;CBFB;PLEKHG4	-0.46856	-2.95553	0.003563	0.174267
NFIA	-0.41427	-2.95305	0.00359	0.174842
	0.228765	2.955815	0.003559	0.174213
LDLRAD1;SSBP3;GLIS1;PODN;ENSG00000226754;HSPB11;SLC1A7;ENSG00000197015;ORC1;LRP8	-0.26153	-2.95365	0.003583	0.174698
	-0.39822	-2.95398	0.00358	0.174594
ENSG00000229657	0.307201	2.956449	0.003553	0.174074
	0.385313	2.952883	0.003592	0.174861
	-0.35503	-2.95193	0.003602	0.175058
	0.25795	2.955079	0.003568	0.174369
	0.285088	2.95446	0.003574	0.174483
	-0.3336	-2.95367	0.003583	0.174698
	0.349948	2.955225	0.003566	0.174351
	0.212999	2.953814	0.003581	0.174651
C6orf120	-0.3681	-2.95303	0.00359	0.174842
ENSG00000253773;ESRP1;GEM;C8orf37	-0.39257	-2.95464	0.003572	0.174448
	0.264972	2.954917	0.003569	0.174397
	0.331976	2.954498	0.003574	0.174483
	0.420825	2.954945	0.003569	0.174397
	0.307472	2.954297	0.003576	0.174551
	0.343937	2.955599	0.003562	0.174267
MYO10	0.300058	2.953014	0.00359	0.174842
	-0.30016	-2.95315	0.003589	0.174842
	0.394213	2.95553	0.003563	0.174267
BARX2	-0.42254	-2.95423	0.003577	0.174568
	0.258844	2.952233	0.003599	0.175024
UBL3;FLT1	-0.29937	-2.95396	0.00358	0.174594
APBA2;RPL41P2	-0.43963	-2.95406	0.003579	0.174594
	-0.2979	-2.95338	0.003586	0.174804
	0.157375	2.952717	0.003594	0.174882
	0.206073	2.954152	0.003578	0.174569
	0.38015	2.952511	0.003596	0.174944
	0.155566	2.954766	0.003571	0.174438
	-0.30427	-2.95303	0.00359	0.174842
	0.287184	2.953044	0.00359	0.174842
TMPRSS3;RSPH1;TMPRSS2;SLC37A1;TFF3;ENSG00000237989;C21orf128;ENSG00000225431	-0.38943	-2.95294	0.003591	0.174861
	-0.28422	-2.95331	0.003587	0.174815
	0.253569	2.952443	0.003597	0.174951
SYT7;SLC15A3	0.60853	2.9518	0.003604	0.175059

ADAMTSL5;R3HDM4;CIRBP;SBNO2	-0.3109	-2.95146	0.003608	0.175143
	0.29586	2.952858	0.003592	0.174861
	-0.33167	-2.95198	0.003602	0.175058
	-0.27082	-2.95254	0.003596	0.174944
SEPT7P9	0.23683	2.951045	0.003612	0.175267
	0.364603	2.95073	0.003616	0.175297
	0.246801	2.952157	0.0036	0.175045
LRAT	0.468842	2.951946	0.003602	0.175058
	0.340471	2.951472	0.003607	0.175143
	0.300631	2.954005	0.003579	0.174594
ENSG00000258334;FMNL3;SPATS2;ASIC1;PRPH;WNT10B;KCNH3	0.319195	2.952241	0.003599	0.175024
PYGB;ENTPD6	-0.4898	-2.94863	0.003639	0.175486
ENSG00000129951;GRIN3B;ATP8B3;PCSK4;PLEKHJ1	-0.35774	-2.95279	0.003593	0.174861
	0.310558	2.951538	0.003607	0.17514
SYT15	0.315366	2.95192	0.003602	0.175058
DENND5B;FAM60A	0.271155	2.949915	0.003625	0.175406
	-0.21449	-2.94967	0.003627	0.175406
	0.342628	2.952493	0.003596	0.174944
	0.342355	2.950652	0.003617	0.175312
	-0.32502	-2.9519	0.003603	0.175058
	0.261264	2.952117	0.0036	0.175047
	0.257273	2.949779	0.003626	0.175406
IGLL5	-0.30379	-2.95156	0.003606	0.17514
	-0.22468	-2.95127	0.00361	0.175185
	-0.35699	-2.9528	0.003593	0.174861
FAM185A	0.366502	2.951365	0.003609	0.175164
	-0.19146	-2.95118	0.003611	0.175214
TBCD;WDR45B	-0.26696	-2.94836	0.003642	0.175543
	0.213935	2.951346	0.003609	0.175164
	-0.27037	-2.94934	0.003631	0.175416
SKAP1;ENSG00000235300	0.423416	2.951636	0.003606	0.175127
ZCCHC24;MBL1P	-0.54149	-2.95184	0.003603	0.175058
	-0.20389	-2.94941	0.00363	0.175416
	0.227028	2.949097	0.003634	0.175416
	0.327487	2.950146	0.003622	0.175387
CUZD1	0.321113	2.949572	0.003629	0.175406
	-0.28738	-2.95184	0.003603	0.175058
THEM4;SELENBP1;CGN;BNIPL;RORC;ENSA;MRPS21;C1orf54;CERS2;GOLPH3L	-0.24872	-2.9504	0.003619	0.175355
	0.153145	2.950985	0.003613	0.175279
ENSG00000261019	0.356192	2.949708	0.003627	0.175406
	0.340014	2.95017	0.003622	0.175387
FGFR3	-0.29929	-2.95048	0.003618	0.175354
	0.260425	2.949571	0.003629	0.175406
	0.324404	2.950629	0.003617	0.175312
	0.21188	2.947908	0.003647	0.175704

ALDH5A1	-0.34007	-2.95049	0.003618	0.175354
TMEM254	0.24828	2.950736	0.003616	0.175297
	-0.31709	-2.94964	0.003628	0.175406
	0.261034	2.950734	0.003616	0.175297
ZNF57;GNG7;OAZ1;REEP6;AES;PCSK4	-0.30137	-2.94906	0.003634	0.175416
SPINT1;RHOV	-0.37744	-2.95093	0.003613	0.175287
C15orf26;ZFAND6	-0.53194	-2.94904	0.003634	0.175416
HPSE2;ERLIN1;DNMBP;ENTPD7	0.380946	2.950322	0.00362	0.175358
	0.356168	2.950121	0.003622	0.175387
MYH14	-0.28401	-2.95074	0.003616	0.175297
	0.299494	2.946794	0.00366	0.175897
EPAS1;CALM2;EPCAM;SOCS5;BCYRN1;ENSG00000260977	0.442548	2.949305	0.003632	0.175416
	0.252826	2.94774	0.003649	0.17572
	-0.40862	-2.94852	0.00364	0.175486
FRZB	0.359183	2.947654	0.00365	0.17572
ATP2C2;DNAAF1;CRISPLD2;MBTPS1;ENSG00000260228;FAM92B;KIAA0513	-0.50461	-2.95043	0.003619	0.175355
	-0.21947	-2.94972	0.003627	0.175406
	-0.405	-2.949	0.003635	0.175416
	0.520366	2.949452	0.00363	0.175416
CHST6;ENSG00000203472;FA2H;CFDP1;TMEM231;ADAT1;RFWD3;TMEM170A;ENSG00000262583	-0.28596	-2.95032	0.00362	0.175358
	-0.24054	-2.94623	0.003666	0.176022
	-0.29987	-2.95083	0.003615	0.175297
	-0.35582	-2.94995	0.003624	0.175406
ENSG00000181227	-0.17106	-2.94921	0.003633	0.175416
	0.262972	2.948562	0.00364	0.175486
ANKRD65;TTLL10;C1orf222;TTLL10-AS1;PLEKHN1;ISG15;SSU72;ENSG00000272106	-0.46102	-2.94854	0.00364	0.175486
ENSG00000230739;C1orf110	-0.53953	-2.94985	0.003625	0.175406
	-0.40585	-2.94922	0.003633	0.175416
STK24	-0.42365	-2.94971	0.003627	0.175406
	0.148582	2.949634	0.003628	0.175406
	0.276452	2.949679	0.003627	0.175406
LSG1;FAM43A	-0.3982	-2.9498	0.003626	0.175406
	0.195302	2.947741	0.003649	0.17572
ENSG00000268027	0.276965	2.949241	0.003632	0.175416
	0.302813	2.949005	0.003635	0.175416
LIMCH1	-0.34509	-2.9502	0.003622	0.175387
GPATCH8;MEOX1;GJC1;ACBD4;ENSG00000267505;TMEM106A	-0.30311	-2.9476	0.003651	0.17572
	0.291175	2.947845	0.003648	0.175704
RNF223	-0.33936	-2.94789	0.003647	0.175704
	0.400322	2.948574	0.00364	0.175486
PTS;CRYAB;DLAT;BCO2	-0.32332	-2.94868	0.003639	0.175486
	0.342671	2.949247	0.003632	0.175416

	0.190105	2.946751	0.00366	0.1759
	-0.23285	-2.9469	0.003658	0.175877
	0.309828	2.948698	0.003638	0.175486
	0.338525	2.948528	0.00364	0.175486
	0.402402	2.949025	0.003635	0.175416
	0.221061	2.948139	0.003645	0.175645
	-0.19062	-2.94942	0.00363	0.175416
	0.327226	2.948506	0.00364	0.175486
SIX1;MNAT1;SIX4;PCNXL4;PRKCH;SLC38A6;C14orf39;TMEM30B	0.480537	2.947593	0.003651	0.17572
	0.329324	2.945935	0.003669	0.176067
	-0.33846	-2.94897	0.003635	0.175416
	0.269507	2.94683	0.003659	0.175897
	-0.34466	-2.94809	0.003645	0.17565
PLAU	0.368439	2.947458	0.003652	0.175755
SCP2	0.237896	2.94786	0.003648	0.175704
	-0.27996	-2.94668	0.003661	0.175901
	0.210475	2.947559	0.003651	0.17572
	-0.36585	-2.94733	0.003654	0.175798
	0.308502	2.946342	0.003665	0.176003
CEACAM3;CEACAM6;B9D2;DEDD2	-0.24377	-2.94504	0.003679	0.176164
	0.482329	2.947628	0.00365	0.17572
MREG;SMARCAL1	0.394103	2.944749	0.003683	0.176177
SLBP;ENSG00000272588;ZNF141;ZFYVE28	-0.37818	-2.94706	0.003657	0.175853
IDH1;KLF7;FASTKD2;PLEKHM3	-0.46207	-2.94727	0.003654	0.175798
ATRNL1	-0.33855	-2.94454	0.003685	0.176177
PMEPA1;BMP7	0.334639	2.945413	0.003675	0.176116
S100A3;C1orf189;INTS3;CREB3L4;SHE;TDRD10;GATAD2B;HAX1;SLC27A3;S100A2;NPR1;JTB;ENSG00000223599	-0.437	-2.94387	0.003693	0.176177
	0.400448	2.947066	0.003657	0.175853
	-0.24049	-2.94698	0.003658	0.175858
THOC7	0.365647	2.945858	0.00367	0.176067
	0.257281	2.945231	0.003677	0.176137
	-0.2134	-2.94611	0.003667	0.17603
	-0.28481	-2.94728	0.003654	0.175798
	0.218889	2.945302	0.003677	0.176131
	0.295024	2.945539	0.003674	0.176101
ENSG00000232862;OSCP1;TEKT2;ADPRHL2;C1orf216;MAP7D1;GRIK3;COL8A2;SH3D21	-0.41447	-2.94564	0.003673	0.176101
ADAMTSL2;COL5A1;SARDH;GBGT1;SURF1;SURF2;GTF3C5;DBH-AS1	0.235051	2.946072	0.003668	0.17603
	0.471189	2.94587	0.00367	0.176067
SYDE1;RASAL3;CYP4F3	-0.4602	-2.94652	0.003663	0.175968
PSTPIP1	-0.33271	-2.94698	0.003658	0.175858
ENSG00000246889	0.229166	2.946714	0.003661	0.1759
	0.346073	2.946196	0.003666	0.176022
PTK2B;HMBOX1;CCDC25;FZD3	0.394081	2.94586	0.00367	0.176067

	0.250995	2.947171	0.003655	0.175831
	0.34146	2.944481	0.003686	0.176177
NPR1;ATP8B2;JTB;GATAD2B;CREB3L4;C1orf43;S100A9;TPM3;S100A6;ILF2;S100A8	-0.2828	-2.94611	0.003667	0.17603
RDH10	0.441576	2.946386	0.003664	0.175999
C5orf42	0.245157	2.9456	0.003673	0.176101
	0.289285	2.945563	0.003674	0.176101
CLASP2	-0.30154	-2.94575	0.003671	0.176067
ELAVL1	0.307545	2.945403	0.003675	0.176116
	0.267862	2.946467	0.003663	0.175974
	-0.18541	-2.94514	0.003678	0.176161
ENSG00000242795	0.387772	2.943676	0.003695	0.176184
	0.299591	2.944994	0.00368	0.176164
LINC00689;ENSG00000231980	-0.31489	-2.94293	0.003703	0.176298
	-0.28977	-2.94266	0.003707	0.176353
	0.265156	2.944986	0.00368	0.176164
	-0.32477	-2.94408	0.00369	0.176177
BNIP1	0.38882	2.946201	0.003666	0.176022
	0.366886	2.945073	0.003679	0.176164
PPIF	0.22416	2.944311	0.003688	0.176177
	-0.35199	-2.94577	0.003671	0.176067
CPXM2;LHPP;GPR26	0.332118	2.944835	0.003682	0.176166
FAM107B;FRMD4A	0.218205	2.943301	0.003699	0.176223
ENSG00000232344;LRRC48;ATPAF2	-0.33005	-2.94385	0.003693	0.176177
	0.302421	2.944721	0.003683	0.176177
	-0.33025	-2.94576	0.003671	0.176067
SH3BP4;AGAP1;ARL4C	-0.54719	-2.94533	0.003676	0.176131
ENSG00000237853	-0.23683	-2.94548	0.003674	0.176113
LINC00205	-0.29565	-2.94403	0.003691	0.176177
	0.340143	2.944442	0.003686	0.176177
ADAT2;ENSG00000235740	-0.37928	-2.94158	0.003719	0.176546
C11orf74;PAMR1;RAG2;LDLRAD3	-0.63774	-2.94401	0.003691	0.176177
	0.409307	2.942875	0.003704	0.176298
	-0.35381	-2.94453	0.003685	0.176177
RAPGEF4;ENSG00000091436;ENSG00000225205;CYBRD1;MLK7-AS1;SLC25A12;ITGA6;METAP1D	-0.39979	-2.94367	0.003695	0.176184
PRDX3	0.258785	2.944865	0.003681	0.176166
POLR3K;NME4;TMEM204	0.201584	2.940486	0.003731	0.17656
	-0.3387	-2.94374	0.003694	0.176184
	0.22087	2.944469	0.003686	0.176177
ENSG00000271763	0.224689	2.9444	0.003687	0.176177
SESN1	0.253696	2.942812	0.003705	0.176298
CEP85;CLIC4;RPS6KA1;FAM110D	-0.24136	-2.94345	0.003697	0.176208
C16orf93;MVP;SETD1A;PHKG2;STX4;ZNF688;TMEM219;DOC2A;PRSS53;SEPHS2;SEPT1;PPP4C;GDPD3;QPRT;CTF1;ENSG00000196927;PRR14	-0.47299	-2.94489	0.003681	0.176166
	0.356267	2.945218	0.003677	0.176137

	0.30171	2.944891	0.003681	0.176166
STAB1;ABHD14B	0.315002	2.943907	0.003692	0.176177
MEGF6	0.286683	2.943277	0.003699	0.176223
	0.26652	2.943292	0.003699	0.176223
	0.366857	2.94249	0.003708	0.176363
	0.243625	2.942888	0.003704	0.176298
	-0.2598	-2.94445	0.003686	0.176177
MMP19;RBMS2;ERBB3;BAZ2A;PTGES3;SARNP	-0.30803	-2.944	0.003691	0.176177
	-0.28166	-2.94362	0.003696	0.176195
FAM83H-AS1;FAM83H;MROH6;ZNF34;TSTA3	-0.318	-2.94329	0.003699	0.176223
	0.323617	2.942638	0.003707	0.176353
TBKBP1;SKAP1;HOXB4;NPEPPS;HOXB3;PRR15L;HOXB-AS2	-0.47762	-2.94219	0.003712	0.176476
	0.313036	2.942934	0.003703	0.176298
	0.296359	2.943224	0.0037	0.176232
	-0.35062	-2.94112	0.003724	0.176546
FKBP10;KRT23;HAP1;TTC25;LEPREL4	0.31907	2.944643	0.003684	0.176177
SLC22A15;ENSG00000233730;VANGL1;AMPD1;DENND2C;ATP1A1	-0.45695	-2.94244	0.003709	0.176364
SLC29A3;PCBD1	-0.35572	-2.94387	0.003693	0.176177
	-0.2936	-2.94399	0.003691	0.176177
EPHA1;GSTK1	-0.42639	-2.94418	0.003689	0.176177
	0.342781	2.944065	0.003691	0.176177
	0.385647	2.940973	0.003726	0.176546
NLRC5;GPR114;CX3CL1;CNOT1	-0.27694	-2.94461	0.003684	0.176177
	-0.36662	-2.94436	0.003687	0.176177
	0.246107	2.943502	0.003697	0.176208
NME4;TMEM204;SOX8;HN1L;ENSG00000260807;CACNA1H;UNKL;RGS11;ENSG00000196674;MSLN	-0.28864	-2.94283	0.003705	0.176298
	0.366325	2.943582	0.003696	0.176195
C1QTNF2;EBF1;ENSG00000247699;FABP6;ENSG00000253811	0.39517	2.941087	0.003724	0.176546
	-0.37324	-2.94108	0.003725	0.176546
	0.368022	2.943752	0.003694	0.176184
	0.411504	2.942487	0.003708	0.176363
	0.447421	2.943478	0.003697	0.176208
ENSG00000223642	0.325894	2.940938	0.003726	0.176546
	-1.05088	-2.94405	0.003691	0.176177
	0.419278	2.94396	0.003692	0.176177
YWHAQ	-0.35403	-2.94383	0.003693	0.176177
	0.295595	2.94151	0.00372	0.176546
ENSG00000206567	0.286625	2.94201	0.003714	0.176536
	0.350195	2.942475	0.003709	0.176363
	0.358754	2.942487	0.003708	0.176363
	0.217417	2.939304	0.003745	0.176805
SLC45A1;CAMTA1;PER3	-0.28096	-2.9417	0.003717	0.176546
	-0.29005	-2.94285	0.003704	0.176298

	0.269226	2.941001	0.003725	0.176546
RPL27	-0.24913	-2.93955	0.003742	0.176805
ZSCAN30	0.206126	2.940954	0.003726	0.176546
ASAP1	-0.40261	-2.93953	0.003742	0.176805
PAPSS2;MMRN2;SNCG;GRID1;ADIRF-AS1	-0.22003	-2.9393	0.003745	0.176805
	-0.21852	-2.9415	0.00372	0.176546
	0.251459	2.940744	0.003728	0.176546
	0.278895	2.941794	0.003716	0.176546
	0.311605	2.940655	0.003729	0.176546
MAP1B	0.295748	2.940892	0.003727	0.176546
PLEKHB1;STARD10;DNAJB13;UCP2;C2CD3;PDE2A;P4HA3	-0.34091	-2.94026	0.003734	0.17661
	-0.23188	-2.9414	0.003721	0.176546
	-0.25183	-2.93956	0.003742	0.176805
	-0.31704	-2.9416	0.003719	0.176546
ATF7;PRR13;KRT18;TENC1	0.218784	2.940179	0.003735	0.176617
	0.305468	2.942158	0.003712	0.176476
	0.326771	2.940739	0.003728	0.176546
	-0.3447	-2.94065	0.003729	0.176546
NFKBIE;MRPL14;MAD2L1BP	-0.4112	-2.94295	0.003703	0.176298
	-0.23671	-2.94095	0.003726	0.176546
	0.310398	2.940879	0.003727	0.176546
CTSW;TBC1D10C	0.283641	2.94143	0.003721	0.176546
	-0.29726	-2.94157	0.003719	0.176546
WDR45B;PCYT2;NOTUM;TBCD;LRRC45	-0.45207	-2.94025	0.003734	0.17661
	-0.27339	-2.94117	0.003723	0.176546
KMT2E	0.397337	2.941063	0.003725	0.176546
	0.264562	2.940865	0.003727	0.176546
KRT7;GRASP;BIN2	-0.29865	-2.9412	0.003723	0.176546
	-0.50863	-2.94166	0.003718	0.176546
	-0.28305	-2.93883	0.00375	0.176833
LAX1	-0.32378	-2.93949	0.003743	0.176805
	0.208651	2.941176	0.003723	0.176546
	-0.22953	-2.93971	0.00374	0.176805
	0.14794	2.941666	0.003718	0.176546
ENSG00000271847;TTLL10-AS1	0.293946	2.940652	0.003729	0.176546
	0.305906	2.94097	0.003726	0.176546
	0.263667	2.939411	0.003744	0.176805
MSRB3;RASSF3	0.409754	2.937853	0.003762	0.176973
	-0.31372	-2.94081	0.003728	0.176546
	-0.47148	-2.94058	0.00373	0.176546
DNAH12;ASB14;RNU6-1181P;CCDC66;RNF7P1;RNU6-108P;DENND6A;FLNB;ENSG00000237186;SPATA12;IL17RD	-0.36919	-2.93869	0.003752	0.176841
ZNF132;ENSG00000267858;ENSG00000268912;ENSG00000269473;ENSG00000269054	-0.40384	-2.93902	0.003748	0.176805
KCTD11;DNAH2;CYB5D1;BCL6B;CTDNEP1	0.357266	2.941719	0.003717	0.176546
	-0.31379	-2.93667	0.003775	0.17719

ENSG00000272106;ENSG00000217801;LINC01128;SKI;RNF223;TTLL10;ANKRD65;C1orf222;ATAD3A;TTLL10-AS1	-0.42913	-2.94062	0.00373	0.176546
	0.317	2.939002	0.003748	0.176805
	0.192714	2.938062	0.003759	0.176973
FOXF1;FENDRR	-0.3054	-2.93868	0.003752	0.176841
	0.319664	2.936601	0.003776	0.17719
	0.324735	2.940924	0.003726	0.176546
COTL1;IRF8;ATP2C2	-0.47278	-2.94107	0.003725	0.176546
	-0.22388	-2.94016	0.003735	0.176617
	0.259782	2.938323	0.003756	0.176952
AKT3;ZBTB18;AKT3-IT1	0.343793	2.940583	0.00373	0.176546
	0.345119	2.939184	0.003746	0.176805
	-0.43529	-2.93951	0.003743	0.176805
	-0.32099	-2.939	0.003748	0.176805
	0.195483	2.938064	0.003759	0.176973
	0.281963	2.936866	0.003773	0.17719
	0.318697	2.938896	0.00375	0.176833
	0.200382	2.93938	0.003744	0.176805
ENSG00000203472;CHST6;FA2H;ENSG00000262583;CFDP1;TMEM231;MLKL;ZNRF1	-0.42464	-2.94052	0.003731	0.17656
	-0.43235	-2.93988	0.003738	0.17675
TMEM132A;MS4A8;TMEM216	-0.30367	-2.93608	0.003782	0.177311
TSPAN4;MRPL23;LRRC56;DEAF1;PHRF1;MOB2;TALDO1;IGF2	-0.40852	-2.93869	0.003752	0.176841
	-0.23195	-2.93912	0.003747	0.176805
	0.301928	2.940336	0.003733	0.176602
STX10;NACC1;PODNL1;ZNF136	-0.57649	-2.9379	0.003761	0.176973
	-0.37588	-2.93781	0.003762	0.176973
	0.275681	2.940353	0.003733	0.176602
	0.310639	2.93861	0.003753	0.176855
SETP5	0.26026	2.938162	0.003758	0.176973
	-0.36917	-2.93671	0.003775	0.17719
	0.273669	2.938672	0.003752	0.176841
CCDC30;ZMYND12;ENSG00000230116;RIMKLA;TMSB4XP1;RIMS3;FOXO6;NFYC	-0.3774	-2.93682	0.003774	0.17719
	0.359207	2.939206	0.003746	0.176805
	0.227678	2.936565	0.003776	0.17719
	0.326566	2.93733	0.003768	0.17712
GNAO1;MMP2;LPCAT2;IRX5;CRNDE	0.466323	2.93926	0.003745	0.176805
	-0.39046	-2.9378	0.003762	0.176973
SEC14L5	0.420219	2.93845	0.003755	0.176902
	0.36752	2.939577	0.003742	0.176805
FGF2;BBS12	-0.33103	-2.93899	0.003748	0.176805
	-0.2497	-2.93777	0.003763	0.176973
	-0.13961	-2.93625	0.00378	0.177281
GIPR;SNRPD2	-0.24503	-2.93913	0.003747	0.176805
	-0.28254	-2.93776	0.003763	0.176973

CYP17A1	0.29452	2.938484	0.003754	0.176902
KLHL18;SMARCC1	-0.37219	-2.93782	0.003762	0.176973
	-0.38201	-2.93751	0.003766	0.17708
	0.257142	2.937006	0.003771	0.177176
UBQLN4;MUC1;LMNA	-0.42803	-2.93951	0.003743	0.176805
	0.384363	2.937147	0.00377	0.17716
	-0.3669	-2.9381	0.003759	0.176973
	0.336405	2.935909	0.003784	0.177333
	0.236788	2.938832	0.00375	0.176833
FAM126A;FAM221A	-0.40143	-2.93613	0.003781	0.177304
	-0.4899	-2.93774	0.003763	0.176973
	0.256193	2.935709	0.003786	0.177352
	-0.26506	-2.93669	0.003775	0.17719
HES2	-0.50056	-2.93594	0.003784	0.177333
	0.264131	2.937922	0.003761	0.176973
	0.417558	2.939024	0.003748	0.176805
	-0.342	-2.93714	0.00377	0.17716
GGT6;CXCL16	0.317378	2.935688	0.003787	0.177352
DNM1P46;SYNM;ENSG00000259363;ENSG00000261616;TTC23	-0.39651	-2.93698	0.003772	0.177176
	0.457805	2.937114	0.00377	0.17716
	0.21015	2.93573	0.003786	0.177352
PARP15;PARP14;PARP9	-0.31037	-2.93632	0.003779	0.177274
	0.242663	2.935179	0.003793	0.177369
	0.319652	2.935348	0.003791	0.177369
RHD;ENSG00000261349	0.280777	2.935107	0.003793	0.177369
S100P;SH3TC1;KIAA0232;CCDC96;ABLIM2;HTRA3;SORCS2;AFAP1	0.260497	2.937319	0.003768	0.17712
PDE7B;MAP7	0.355307	2.936998	0.003771	0.177176
MAPRE3;IFT172;RBKS;AGBL5;CCDC121;DRC1;KHK	0.316553	2.937922	0.003761	0.176973
P2RX7;DYNLL1-AS1	-0.35492	-2.93795	0.003761	0.176973
	0.439177	2.935616	0.003787	0.177369
	-0.352	-2.93736	0.003767	0.17712
	-0.45703	-2.93684	0.003773	0.17719
POLD3	0.364688	2.934452	0.003801	0.177403
	-0.32689	-2.93524	0.003792	0.177369
PPM1M;NEK4;DNAH1;STAB1	0.181322	2.933887	0.003808	0.177595
	0.296139	2.935967	0.003783	0.177333
	0.40744	2.935866	0.003785	0.177333
	-0.19621	-2.93656	0.003777	0.17719
	0.320773	2.937296	0.003768	0.17712
	0.3466	2.935873	0.003784	0.177333
	0.301107	2.935225	0.003792	0.177369
MISP;MIDN	-0.39542	-2.93415	0.003805	0.177529
	-0.21555	-2.93664	0.003776	0.17719
ARID3A;GNG7;ZNF57;HMHA1;TCF3;ADAMTSL5;MBD3;SCAMP4	-0.4721	-2.93517	0.003793	0.177369

	-0.60845	-2.93525	0.003792	0.177369
STK16;RQCD1;SPEG	0.241846	2.936782	0.003774	0.17719
ZNF843	0.218658	2.932363	0.003825	0.178006
	0.360382	2.935234	0.003792	0.177369
	0.287004	2.934578	0.0038	0.177403
RASAL3;NWD1;ENSG00000267275;OCEL1	-0.28945	-2.93614	0.003781	0.177304
	0.401018	2.935193	0.003792	0.177369
	0.414868	2.936295	0.00378	0.177274
ZCCHC11;SCP2	0.319057	2.934806	0.003797	0.177369
	0.401516	2.935468	0.003789	0.177369
	-0.39089	-2.93646	0.003778	0.177224
	0.393855	2.935269	0.003792	0.177369
	0.411111	2.935029	0.003794	0.177369
SYTL3;RSPH3;C6orf99;ENSG00000213076;PNLDC1;EZR	-0.45663	-2.93487	0.003796	0.177369
	-0.255	-2.93577	0.003786	0.177352
	-0.26139	-2.93503	0.003794	0.177369
NECAP2;ARHGEF19;CROCC;HSPB7;RSG1;FBLIM1	-0.34849	-2.93493	0.003795	0.177369
	0.263993	2.934965	0.003795	0.177369
	0.287719	2.93447	0.003801	0.177403
ANAPC7;PPTC7;ARPC3	-0.42776	-2.93402	0.003806	0.177558
	-0.2975	-2.93457	0.0038	0.177403
	0.291874	2.934995	0.003795	0.177369
	0.31246	2.932669	0.003822	0.177953
	0.341348	2.935193	0.003792	0.177369
C12orf54;C12orf68;SLC38A4	-0.25873	-2.93276	0.003821	0.177934
	0.336995	2.934528	0.0038	0.177403
	0.254293	2.934963	0.003795	0.177369
	-0.27938	-2.93487	0.003796	0.177369
	0.368142	2.934797	0.003797	0.177369
RNA5SP202	0.388742	2.933765	0.003809	0.177622
	0.259375	2.934729	0.003798	0.177369
	0.282426	2.931473	0.003836	0.178163
	-0.46194	-2.93308	0.003817	0.17781
	0.253192	2.934742	0.003798	0.177369
LINC00426	-0.26985	-2.93235	0.003826	0.178006
	0.355563	2.934507	0.0038	0.177403
DEGS2;HHIPL1	-0.28388	-2.93408	0.003805	0.177548
	-0.42595	-2.9351	0.003794	0.177369
	-0.29928	-2.93147	0.003836	0.178163
P4HTM;DALRD3;TCTA;MAP4;NDUFAF3;LAMB2;NME6;PRKAR2A-AS1;ENSG00000223343;ZNF589;DHX30;COL7A1;PRKAR2A;SLC26A6;NCKIPSD;WDR6	-0.30931	-2.93387	0.003808	0.177595
	-0.33326	-2.93314	0.003816	0.17781
	-0.37065	-2.93231	0.003826	0.178006
	0.299197	2.933434	0.003813	0.177763
	0.266439	2.931862	0.003831	0.178078

	0.431582	2.93317	0.003816	0.17781
	-0.28145	-2.93261	0.003823	0.177953
NRP1	-0.49275	-2.93368	0.00381	0.177651
DAB2IP;PHF19	-0.33396	-2.93416	0.003804	0.177529
	0.266594	2.93188	0.003831	0.178078
CASP10;ALS2CR11;CASP8;NDUFB3;AOX1;FZD7;TMEM237	-0.32017	-2.93227	0.003826	0.178007
	0.168646	2.932517	0.003824	0.177953
	-0.28669	-2.93122	0.003839	0.178163
ZCCHC24;DLG5-AS1;KCNMA1	0.33328	2.933213	0.003815	0.17781
	-0.23499	-2.93258	0.003823	0.177953
	-0.46766	-2.93385	0.003808	0.177595
	-0.2666	-2.93207	0.003829	0.178078
RABL2A;CHCHD5	0.298676	2.931229	0.003839	0.178163
	-0.24576	-2.932	0.00383	0.178078
	-0.43358	-2.93319	0.003816	0.17781
ANKRD65	-0.24476	-2.93087	0.003843	0.178249
LRRC43	-0.21697	-2.93146	0.003836	0.178163
CIB1;CRTC3;FES;ENSG00000258551;UNC45A;FURIN;IDH2	-0.67377	-2.932	0.00383	0.178078
	0.222062	2.93193	0.003831	0.178078
NLRP1;ACAP1;C1QBP	-0.25127	-2.93309	0.003817	0.17781
CCDC163P	0.218883	2.930829	0.003843	0.178254
	-0.5162	-2.93217	0.003828	0.178044
	0.307163	2.931135	0.00384	0.178163
	0.23804	2.931103	0.00384	0.178163
	-0.2922	-2.93127	0.003838	0.178163
	0.277175	2.932647	0.003822	0.177953
	-0.35213	-2.93066	0.003845	0.178306
	0.200797	2.933064	0.003817	0.17781
DPYSL2;EBF2;PPP2R2A	-0.46238	-2.93098	0.003842	0.178213
	-0.33254	-2.93278	0.003821	0.177934
IGHG2;PLD4;IGHA2;AHNAK2	-0.33143	-2.93254	0.003823	0.177953
CALHM2	-0.30963	-2.93072	0.003845	0.178295
	0.273022	2.933073	0.003817	0.17781
	0.348317	2.931868	0.003831	0.178078
ZNF487;ENSG00000236114	0.320012	2.931304	0.003838	0.178163
	0.304301	2.931379	0.003837	0.178163
	-0.22908	-2.93006	0.003852	0.1785
	0.265125	2.929618	0.003858	0.178573
GLT8D2;TXNRD1;APPL2;ENSG00000214198	0.424862	2.930268	0.00385	0.178444
	0.255496	2.931188	0.003839	0.178163
	0.449182	2.931794	0.003832	0.178096
CDCP1;LZTFL1;LTF;CLEC3B	-0.32757	-2.9277	0.00388	0.17912
KCTD17;SH3BP1	0.291271	2.929772	0.003856	0.178567
	0.340256	2.92849	0.003871	0.178972
	0.367643	2.929947	0.003854	0.178524
H3F3A	-0.44798	-2.93121	0.003839	0.178163

	0.219999	2.93057	0.003846	0.178319
EPS8L1;ZNF667	-0.30953	-2.93017	0.003851	0.178462
	0.21767	2.92802	0.003877	0.179074
LRRC6;NDRG1;WISP1;TG	-0.35411	-2.92964	0.003857	0.178573
ACACB;ARPC3;ENSG00000256139	-0.31761	-2.93117	0.003839	0.178163
	-0.56565	-2.92973	0.003856	0.178567
	-0.30589	-2.9302	0.003851	0.178462
	0.31368	2.929218	0.003862	0.178671
TIMP2;C1QTNF1;USP36;CBX2	-0.27955	-2.92892	0.003866	0.178794
PLA2G4C;EHD2;RASIP1;RUVBL2;HRC;SEPW1;FAM83E;NTF4;FUT2;DBP;C5AR2;MEIS3;PPFIA3	-0.40126	-2.93114	0.00384	0.178163
	0.337402	2.929538	0.003859	0.178573
	-0.26575	-2.92974	0.003856	0.178567
LTBP4	-0.54816	-2.93048	0.003848	0.178349
	0.320013	2.931139	0.00384	0.178163
NOS2;LYRM9;SLC13A2;SLC46A1	-0.46794	-2.93151	0.003835	0.178163
SASH1	0.355221	2.929873	0.003855	0.178544
	0.37095	2.930591	0.003846	0.178319
	0.258783	2.928337	0.003873	0.178987
	0.363325	2.927447	0.003883	0.179157
SKP1;PCBD2	0.246204	2.927489	0.003883	0.179153
C1QBP	-0.28762	-2.93002	0.003853	0.178505
	0.214876	2.92778	0.003879	0.17911
	0.185373	2.929543	0.003859	0.178573
	-0.29323	-2.92928	0.003862	0.178656
CD6	0.266741	2.929586	0.003858	0.178573
	-0.26707	-2.92783	0.003879	0.179102
	-0.83502	-2.92839	0.003872	0.178987
	-0.2964	-2.92572	0.003904	0.179433
RFX2;HSD11B1L;PTPRS;ENSG00000267262;CAPS;TNFSF14	-0.37648	-2.92851	0.003871	0.178972
KIAA1755	-0.28992	-2.92658	0.003894	0.179294
COL5A3;KANK2;CNN1;AP1M2;DOCK6;ZNF440;PDE4A;CDKN2D	0.373475	2.927987	0.003877	0.179074
	-0.41725	-2.92705	0.003888	0.179182
C11orf89;TSPAN32	-0.3216	-2.9282	0.003874	0.179013
AGO3;TRAPPC3;PSMB2;MRPS15	0.606363	2.929301	0.003861	0.178656
TBX19;ATP1B1;SELP;GPR161	-0.39242	-2.92769	0.003881	0.17912
IL10RA;CD3G;AMICA1;CD3D;CD3E;CBL;MCAM	0.329606	2.92915	0.003863	0.178688
TMEM204;ENSG00000205890;CCDC64B;MSRB1;HN1L;CACNA1H;PRSS22;ABCA3;PAQR4	0.434503	2.926068	0.0039	0.17943
	-0.25057	-2.92861	0.00387	0.178944
TRIM5	-0.24268	-2.92653	0.003894	0.179294
ARID3A;ADAMTSL5;GNG7;MUM1	0.410413	2.92946	0.00386	0.178596
	-0.24275	-2.92765	0.003881	0.179123
	-0.31464	-2.92758	0.003882	0.179141
	-0.24854	-2.92726	0.003886	0.179182

	0.415299	2.928278	0.003874	0.178992
	0.291204	2.92783	0.003879	0.179102
CSGALNACT1;INTS10;LZTS1;SH2D4A	0.450561	2.928321	0.003873	0.178987
AQP9;TCF12;TEX9	-0.31688	-2.92615	0.003899	0.179404
LIMD2;ERN1;CD79B;ACE;MILR1;MAP3K3	0.337989	2.927274	0.003885	0.179182
	-0.36501	-2.92736	0.003884	0.179182
ENSG00000272902;LONRF2	0.31728	2.928445	0.003872	0.178977
	0.314033	2.926613	0.003893	0.179294
	0.318873	2.926012	0.003901	0.179433
	0.278321	2.927158	0.003887	0.179182
IFLTD1;CASC1;BHLHE41	-0.36298	-2.92792	0.003878	0.179093
	0.43503	2.928147	0.003875	0.179024
PRR26;GTPBP4;ENSG00000225140	0.242213	2.927012	0.003889	0.179183
	0.196357	2.925076	0.003912	0.17955
	0.214838	2.926318	0.003897	0.17937
ZNF792;FXYD5;WTIP;ZNF599;FXYD3	0.306456	2.927546	0.003882	0.179141
TRPM2	-0.26363	-2.92711	0.003887	0.179182
	0.377961	2.925579	0.003906	0.179447
	0.316179	2.924247	0.003922	0.179736
	0.298091	2.927186	0.003887	0.179182
	0.155706	2.925957	0.003901	0.179433
	-0.39536	-2.92725	0.003886	0.179182
ADAMTS2;LMAN2;PDLIM7;AACSP1	0.331625	2.927049	0.003888	0.179182
	0.288876	2.926542	0.003894	0.179294
	0.269632	2.925708	0.003904	0.179433
	-0.22747	-2.92499	0.003913	0.179576
GBAS;PSPH	0.264223	2.925124	0.003911	0.17955
LINC00342;ANKRD36C;DUSP2;ITPRIPL1	0.404025	2.924191	0.003922	0.179747
TUB	0.352257	2.924562	0.003918	0.179673
	-0.26113	-2.92623	0.003898	0.179378
	0.312789	2.924467	0.003919	0.179673
	-0.46531	-2.92681	0.003891	0.179273
	0.30168	2.923385	0.003932	0.179929
	0.235782	2.92711	0.003887	0.179182
FHOD3	-0.30053	-2.92671	0.003892	0.179288
TBC1D10C	0.329865	2.926276	0.003897	0.179374
ZC2HC1C;IFT43;TTLL5;ENSG00000259319;ISCA2	-0.29347	-2.92576	0.003903	0.179433
	-0.41017	-2.92573	0.003904	0.179433
CLDN10;UGGT2	0.308296	2.925769	0.003903	0.179433
	0.420743	2.925745	0.003904	0.179433
	0.33306	2.926617	0.003893	0.179294
	0.393888	2.925337	0.003909	0.179542
ENSG00000266371;NF1	-0.35798	-2.92634	0.003897	0.17937
	-0.22039	-2.92338	0.003932	0.179929
	0.264478	2.924265	0.003921	0.179736
	0.296601	2.924328	0.003921	0.179729
FGFR4	-0.48731	-2.9252	0.00391	0.17955

TTLL6;LRRC46;COPZ2;PRR15L;ENSG00000264920;HOXB5;MRPL10	-0.20948	-2.92159	0.003954	0.180407
ENSG00000264198;IKZF3;PLXDC1	-0.5318	-2.92592	0.003902	0.179433
	0.245448	2.924471	0.003919	0.179673
	0.330085	2.925448	0.003907	0.1795
	-0.33671	-2.92559	0.003906	0.179447
	-0.31647	-2.92674	0.003892	0.179288
	0.473665	2.924514	0.003918	0.179673
	0.344403	2.923124	0.003935	0.179929
	0.394477	2.922889	0.003938	0.179982
	-0.29142	-2.92568	0.003904	0.179433
SEMA3G;SPCS1;PCBP4;PRKCD;GLT8D1	0.237635	2.925267	0.003909	0.17955
	0.245889	2.924467	0.003919	0.179673
CNR1	-0.33907	-2.92319	0.003934	0.179929
CLDN7	0.326581	2.924557	0.003918	0.179673
	-0.19753	-2.92405	0.003924	0.179764
	-0.21393	-2.92174	0.003952	0.18039
	0.293624	2.924112	0.003923	0.179752
	0.22004	2.925675	0.003905	0.179433
MRAS	-0.50167	-2.92382	0.003927	0.179835
	0.315073	2.925125	0.003911	0.17955
	-0.40797	-2.92363	0.003929	0.1799
	0.231288	2.923226	0.003934	0.179929
	0.316726	2.924801	0.003915	0.179645
IQCE;CARD11	-0.45369	-2.92448	0.003919	0.179673
	0.216152	2.92284	0.003939	0.179989
C11orf53;DIXDC1;BCO2;BTG4;POU2AF1;ENSG00000255093;C11orf88;PIH1D2;ENSG00000255208;ENSG00000255428	-0.35689	-2.9252	0.00391	0.17955
KDM5B;PPFIA4;LAX1;ENSG00000214796;MDM4;CYB5R1;PRELP;FMOD	-0.32186	-2.92297	0.003937	0.179972
	-0.27534	-2.92318	0.003934	0.179929
	-0.40132	-2.92509	0.003912	0.17955
	0.269023	2.922668	0.003941	0.180046
	0.296822	2.922359	0.003944	0.180158
	-0.40505	-2.92448	0.003919	0.179673
	0.257003	2.921681	0.003953	0.180397
	0.762553	2.924798	0.003915	0.179645
	-0.36947	-2.92065	0.003965	0.180524
SCAMP2;COX5A	-0.46959	-2.92315	0.003935	0.179929
HLA-DQB1;HLA-DQA1;HLA-DRB1;HLA-DPA1	0.482679	2.919511	0.003979	0.180694
	-0.36714	-2.92359	0.003929	0.179902
RNF157-AS1;SMIM5;FOXJ1;ST6GALNAC2;RNF157;RHBDF2;WBP2;UBALD2;ENSG00000265800;TRIM47;SMIM6;FDXR;SPHK1;SLC16A5;ITGB4;CASKIN2;KIAA0195;GALK1;HN1	-0.50392	-2.92214	0.003947	0.180231
RASGRP1	0.451695	2.92398	0.003925	0.179786

WHAMMP2;ENSG00000270055	-0.35463	-2.92413	0.003923	0.179752
	-0.35756	-2.92363	0.003929	0.1799
	-0.50455	-2.9235	0.003931	0.179929
	0.379243	2.923204	0.003934	0.179929
JADE1;C4orf29	-0.38006	-2.92036	0.003968	0.180526
	-0.25738	-2.92232	0.003945	0.180158
ADCY3;GAREML;GPR113	-0.49302	-2.92317	0.003935	0.179929
	-0.26104	-2.92233	0.003945	0.180158
SNORA7B	-0.30895	-2.9239	0.003926	0.17981
GRAMD3	-0.26733	-2.92032	0.003969	0.18053
PDCD6;TPPP;ENSG00000188242;NKD2	-0.28482	-2.92327	0.003933	0.179929
CEP104	0.184248	2.920532	0.003966	0.180524
WNT5B	0.313742	2.920857	0.003962	0.180504
	0.252261	2.922533	0.003942	0.1801
KDR	0.33001	2.92092	0.003962	0.180504
SEMA3G;DOCK3;STAB1;PCBP4;NEK4;GLT8D1;ITIH3;PPM1M;SF MBT1;NT5DC2;PBRM1;POC1A;RAD54L2;DNAH1	-0.28999	-2.92294	0.003937	0.179972
	0.209806	2.920555	0.003966	0.180524
	0.326282	2.920135	0.003971	0.180556
	0.300532	2.923313	0.003933	0.179929
	0.360369	2.922765	0.003939	0.180011
CERK;ENSG00000234869;CELSR1;WNT7B	-0.38411	-2.92212	0.003947	0.180231
	-0.23068	-2.91996	0.003973	0.180592
ENSG00000224570	0.375941	2.922942	0.003937	0.179972
HOXB-AS2;HOXB4;HOXB3;COL1A1;NXPH3;FAM117A;SGCA;MIR10A;H OXB6;CALCOCO2	-0.40612	-2.92194	0.003949	0.180314
	-0.17982	-2.92145	0.003955	0.180427
	-0.45283	-2.92115	0.003959	0.180491
TTBK2;ZNF106;LTK;TYRO3;NUSAP1;MGA	-0.44749	-2.92047	0.003967	0.180524
ENSG00000264954;C17orf72;ENSG00000264513	-0.29962	-2.92173	0.003952	0.18039
C1orf158;ENSG00000272482;TNFRSF1B;FBXO44;MIIP	-0.38575	-2.92098	0.003961	0.180492
	-0.29986	-2.92114	0.003959	0.180491
NPLOC4;TMEM105;SECTM1;WDR45B;NOTUM	-0.35339	-2.92147	0.003955	0.180427
	0.19088	2.919104	0.003984	0.180694
	0.248166	2.921569	0.003954	0.180407
	0.456483	2.92109	0.00396	0.180491
	-0.23735	-2.91938	0.00398	0.180694
	0.311717	2.921285	0.003957	0.180481
	-0.25019	-2.91934	0.003981	0.180694
VN1R21P	-0.20516	-2.91909	0.003984	0.180694
	0.208844	2.921248	0.003958	0.180481
	0.326406	2.919284	0.003982	0.180694
TBC1D10C;GSTP1;FAM86C2P;UNC93B1;ALDH3B1;PTPRCAP;AL DH3B2;ADRBK1	-0.28354	-2.92156	0.003954	0.180407
ZBED3;IQGAP2	0.304954	2.920386	0.003968	0.180526
EXPH5;C11orf65;SLC35F2;DDX10	-0.43689	-2.92069	0.003964	0.180524

	0.213903	2.920264	0.00397	0.180539
	0.310697	2.920236	0.00397	0.180539
	-0.31974	-2.92009	0.003972	0.180564
	-0.33715	-2.92068	0.003965	0.180524
FBXW9;CACNA1A;ZNF844	0.704282	2.918349	0.003993	0.180871
	0.204199	2.919323	0.003981	0.180694
	0.290881	2.92041	0.003968	0.180526
HLA-L;HSPA1A	0.25364	2.921255	0.003958	0.180481
	0.239046	2.919012	0.003985	0.180694
	0.317478	2.920139	0.003971	0.180556
	-0.52495	-2.91993	0.003974	0.180592
	0.288146	2.920879	0.003962	0.180504
	0.341493	2.91941	0.00398	0.180694
STPG1;MAN1C1;IL22RA1;RCAN3	-0.40634	-2.91761	0.004002	0.181088
	-0.56544	-2.92073	0.003964	0.180524
SCN8A;KRT80;TFCP2	-0.29201	-2.92104	0.00396	0.180492
	0.334223	2.920987	0.003961	0.180492
C11orf49;MADD;AGBL2;KBTBD4;DDB2	-0.3391	-2.9211	0.00396	0.180491
CCDC92	0.286036	2.919086	0.003984	0.180694
GNG11	0.343838	2.918681	0.003989	0.180789
HHEX	0.304014	2.918432	0.003992	0.180871
	-0.4068	-2.91799	0.003997	0.180991
MYCBPAP	-0.38611	-2.91728	0.004006	0.181154
GRAMD2	-0.26411	-2.9205	0.003967	0.180524
	0.29044	2.919015	0.003985	0.180694
	0.305141	2.918825	0.003987	0.180761
	-0.3189	-2.91867	0.003989	0.180789
RNF166	-0.23216	-2.91777	0.004	0.181035
	0.228117	2.919273	0.003982	0.180694
ADARB1;COL18A1;ICOSLG;LRRC3;ITGB2;LRRC3DN;TRPM2;ENS G00000225331;ENSG00000267857;COL18A1-AS1	-0.39602	-2.91911	0.003984	0.180694
	-0.1956	-2.91853	0.003991	0.180846
MYO1F;ENSG00000263264	-0.25929	-2.92047	0.003967	0.180524
	-0.367	-2.91898	0.003985	0.180694
	0.192991	2.916321	0.004018	0.181425
KCNAB2;TAS1R1	0.421926	2.919258	0.003982	0.180694
	0.260401	2.919497	0.003979	0.180694
	0.198298	2.917873	0.003999	0.181022
	-0.3247	-2.91931	0.003981	0.180694
SMIM5;TTYH2	0.433824	2.919646	0.003977	0.180694
	-0.25233	-2.91936	0.003981	0.180694
LPCAT1;TPPP;PDCD6;TRIP13	-0.32271	-2.91907	0.003984	0.180694
GFM2	-0.3478	-2.92062	0.003965	0.180524
	0.328279	2.917432	0.004004	0.181092
	-0.34723	-2.91947	0.003979	0.180694
	-0.42913	-2.91804	0.003997	0.180991
ENSG00000233693	0.317231	2.917122	0.004008	0.181184

	0.135425	2.916493	0.004016	0.181378
C4orf33;HSPA4L;PLK4	-0.3606	-2.91835	0.003993	0.180871
EPS8L1;ZNF71;PTPRH;ZNF667;ZNF667-AS1;SSC5D;ZNF542	-0.27867	-2.91799	0.003997	0.180991
TG	0.283229	2.918396	0.003992	0.180871
	-0.27866	-2.92005	0.003972	0.180565
	-0.31557	-2.91558	0.004027	0.181497
	0.322211	2.917428	0.004004	0.181092
ARHGEF25;ENSG00000224713;PIP4K2C;LRP1;GLI1;PTGES3;B4G				
ALNT1;RBMS2;SMARCC2;SLC26A10;NDUFA4L2;ATP5B	-0.28824	-2.91809	0.003996	0.180991
FXYD3;ZNF792;KIAA0355	-0.23317	-2.91621	0.004019	0.181425
ASPA;HIC1;P2RX5-TAX1BP3;ENSG00000263050;SMG6;TRPV3	-0.44379	-2.91871	0.003989	0.180789
	-0.24777	-2.91724	0.004006	0.181157
	0.400036	2.917822	0.003999	0.181027
	0.342903	2.917626	0.004002	0.181088
	0.21893	2.917866	0.003999	0.181022
	0.265579	2.915871	0.004023	0.181459
	0.33966	2.917552	0.004003	0.181092
	-0.21955	-2.91698	0.00401	0.181223
	-0.19216	-2.91748	0.004004	0.181092
	0.227397	2.915642	0.004026	0.181486
TMC8	0.440667	2.919036	0.003985	0.180694
	0.168987	2.916332	0.004018	0.181425
GPR146;SUN1;MAD1L1;PSMG3;CHST12	-0.46622	-2.91709	0.004008	0.181185
	-0.34103	-2.91668	0.004013	0.181313
RABL2A	-0.22149	-2.91546	0.004028	0.181497
	-0.41472	-2.91594	0.004022	0.181459
TMEM125	0.159465	2.91746	0.004004	0.181092
	0.371937	2.916761	0.004012	0.181307
	-0.44223	-2.91586	0.004023	0.181459
	0.358816	2.916167	0.00402	0.181425
	0.313549	2.915414	0.004029	0.181497
	-0.33935	-2.91719	0.004007	0.181163
	0.36837	2.916691	0.004013	0.181313
	0.163669	2.915829	0.004024	0.181459
	0.405443	2.916237	0.004019	0.181425
C10orf128	0.411512	2.914257	0.004043	0.181785
	-0.42481	-2.91684	0.004011	0.181284
	-0.26044	-2.91431	0.004043	0.181785
AKAP5	0.447756	2.916064	0.004021	0.181446
	-0.20557	-2.91546	0.004028	0.181497
	-0.23333	-2.91589	0.004023	0.181459
	-0.30962	-2.9165	0.004016	0.181378
	-0.28704	-2.91491	0.004035	0.181702
	0.227789	2.916025	0.004021	0.181446

C12orf75;TCP11L2;ENSG00000257438	-0.41021	-2.91603	0.004021	0.181446
C10orf115	-0.42038	-2.91484	0.004036	0.181718
	0.22849	2.915236	0.004031	0.181549
	0.347827	2.912881	0.00406	0.182109
	0.260606	2.911791	0.004074	0.182265
	0.330492	2.915743	0.004025	0.181468
TLR1;RBM47;RHOH;SMIM14	-0.42451	-2.91522	0.004031	0.181549
	-0.23239	-2.91624	0.004019	0.181425
CCDC170;C6orf211	-0.54653	-2.91426	0.004043	0.181785
MAP3K5;LINC00271;MYB;MAP7	-0.41995	-2.91386	0.004048	0.181824
	0.175545	2.912508	0.004065	0.182148
	0.412485	2.914457	0.004041	0.18176
PSMB8;SLC44A4;PSMB9;TNXB;NELFE;NOTCH4;CLIC1;TAP1;HLA-DRA;CFB;HCP5;HLA-B;HNRNPA1P2;HLA-DMB	-0.38177	-2.91467	0.004038	0.181719
PTGDS;LCNL1;GPSM1;UAP1L1;AGPAT2	-0.27053	-2.9135	0.004052	0.181944
	0.213562	2.91452	0.00404	0.18176
	-0.25018	-2.91155	0.004077	0.182345
	-0.2952	-2.91467	0.004038	0.181719
PARP15	0.360756	2.916168	0.00402	0.181425
	0.249678	2.914079	0.004045	0.181785
	-0.62972	-2.91405	0.004046	0.181785
	0.315572	2.912405	0.004066	0.182148
	0.28982	2.912656	0.004063	0.182148
DOK2;HR	0.560382	2.91543	0.004029	0.181497
	-0.34125	-2.91577	0.004024	0.181468
	-0.30613	-2.9136	0.004051	0.181928
SLCO4A1;C20orf166-AS1;GATA5	-0.3878	-2.91286	0.00406	0.182109
	-0.25443	-2.91363	0.004051	0.181928
	0.297232	2.915672	0.004026	0.181486
SUN1;PRKAR1B	-0.35769	-2.91414	0.004045	0.181785
	-0.24852	-2.91404	0.004046	0.181785
CLK4	-0.28697	-2.91394	0.004047	0.181797
	0.261763	2.912462	0.004065	0.182148
NME4;TMEM204;UNKL;CACNA1H;HN1L;RGS11;ENSG00000196674;SOX8;MSLN;FAHD1	-0.41844	-2.91528	0.00403	0.181549
	0.256017	2.914689	0.004038	0.181719
	-0.48311	-2.91472	0.004037	0.181719
LRRC59	0.381014	2.914138	0.004045	0.181785
WDR19	-0.352	-2.91403	0.004046	0.181785
	0.347778	2.912419	0.004066	0.182148
	-0.34944	-2.91555	0.004027	0.181497
	0.365471	2.912712	0.004062	0.182148
MFSD5	0.337689	2.914797	0.004036	0.181719
ILK;ARFIP2	0.215659	2.913997	0.004046	0.181785
	-0.3893	-2.9144	0.004041	0.181772
	-0.30773	-2.91109	0.004082	0.182466
	-0.23146	-2.91308	0.004058	0.182084

MGAT4B	-0.41213	-2.91336	0.004054	0.181991
	-0.26773	-2.91423	0.004043	0.181785
	0.219835	2.914481	0.00404	0.18176
	-0.27098	-2.91038	0.004091	0.182625
SPHK1;SMIM6;ST6GALNAC1;SEC14L1;SMIM5;PRPSAP1;MXRA7				
;UBALD2	0.380719	2.912243	0.004068	0.182185
	0.300021	2.911959	0.004072	0.182248
SYT15;PTPN20A;ANTXRLP1	0.272707	2.914622	0.004039	0.181725
	0.392423	2.912519	0.004065	0.182148
	0.230662	2.912478	0.004065	0.182148
ADARB1;ICOSLG;PFKL;LRRC3	0.196754	2.911819	0.004073	0.182265
	-0.16653	-2.91318	0.004056	0.182045
	0.30436	2.912884	0.00406	0.182109
WDR86-AS1;ATG9B;NOS3;WDR86;LINC01003	-0.35046	-2.91351	0.004052	0.181944
	0.246571	2.912076	0.00407	0.182221
SMG5	-0.22148	-2.91217	0.004069	0.182195
	0.411014	2.912984	0.004059	0.182099
	-0.28456	-2.91248	0.004065	0.182148
FSCN1	-0.33509	-2.91184	0.004073	0.182265
	0.279745	2.911474	0.004078	0.182345
	0.354834	2.912418	0.004066	0.182148
	-0.26732	-2.91075	0.004087	0.182562
	-0.18897	-2.91332	0.004055	0.181991
PSME4	0.468146	2.912022	0.004071	0.182232
	-0.29277	-2.91333	0.004054	0.181991
GNA15	-0.34299	-2.91238	0.004066	0.182148
	0.3023	2.913038	0.004058	0.182088
	-0.31042	-2.91111	0.004082	0.182466
SNX29	0.443457	2.910977	0.004084	0.182488
	0.354517	2.912157	0.004069	0.182195
	0.429449	2.91035	0.004092	0.182625
	-0.45249	-2.91265	0.004063	0.182148
PSMD1;B3GNT7;CAB39	0.218816	2.912344	0.004067	0.182148
MCU;CDH23;SGPL1;ANAPC16	-0.39592	-2.91105	0.004083	0.182466
	0.346361	2.909587	0.004101	0.18283
	-0.16715	-2.90956	0.004101	0.18283
	-0.19651	-2.91183	0.004073	0.182265
MEI1	0.14732	2.90917	0.004106	0.182979
TXNRD1;ENSG00000257438	-0.41768	-2.91153	0.004077	0.182345
ENSG00000237940	-0.40206	-2.91082	0.004086	0.182557
B3GNT3;PBX4;UPF1;ISYNA1;RAB3A;GDF15;KLHL26	0.33348	2.906116	0.004145	0.183616
	0.196017	2.909597	0.004101	0.18283
	0.341842	2.91151	0.004077	0.182345
	-0.48885	-2.91112	0.004082	0.182466
	-0.1669	-2.91057	0.004089	0.182601
TTC18;DNAJC9-AS1;USP54;P4HA1;RNU6-				
833P;ENSG00000227540;PLAU;MRPS16;VCL;ANXA7	-0.28554	-2.90882	0.004111	0.183013

TEAD1	0.353922	2.91167	0.004075	0.182313
	-0.20839	-2.9095	0.004102	0.182831
	0.524544	2.908139	0.004119	0.183134
SLBP	0.21997	2.911308	0.00408	0.182418
	-0.35839	-2.90795	0.004122	0.183222
	0.40536	2.908624	0.004113	0.183035
	-0.21494	-2.91108	0.004082	0.182466
	-0.33798	-2.91021	0.004093	0.182625
TOMM40	-0.34069	-2.91048	0.00409	0.18261
	0.527788	2.9105	0.00409	0.18261
	0.317717	2.910062	0.004095	0.182653
	-0.26022	-2.90834	0.004117	0.183099
	0.23409	2.909791	0.004099	0.182786
MRPL21;TPCN2	0.307253	2.910182	0.004094	0.182625
THBS2	-0.49301	-2.90827	0.004118	0.18312
	-0.33983	-2.90954	0.004102	0.18283
	0.304453	2.90838	0.004116	0.183099
	0.29811	2.909049	0.004108	0.182989
	0.200547	2.909467	0.004103	0.182833
ARFGAP3	0.322658	2.910128	0.004094	0.182636
	-0.27434	-2.90848	0.004115	0.183079
ABCG2;SPARCL1;C4orf36;MAPK10	-0.34871	-2.91027	0.004092	0.182625
	-0.45866	-2.91063	0.004088	0.182585
	-0.18937	-2.9067	0.004137	0.183565
	0.404228	2.90954	0.004102	0.18283
	0.360761	2.908901	0.00411	0.183013
	0.389737	2.910654	0.004088	0.182585
	0.292038	2.910741	0.004087	0.182562
	0.270203	2.9091	0.004107	0.182981
RPL7L1	-0.20609	-2.90642	0.004141	0.183596
LRRC2;CXCR6;CCR1;PRSS50;CCRL2;MAP4	-0.36345	-2.91019	0.004094	0.182625
PDGFB;SUN2;CBX7;FAM83F;DNAL4	-0.30644	-2.90761	0.004126	0.183329
	0.170089	2.905701	0.00415	0.183753
	0.481637	2.908811	0.004111	0.183013
F10;GAS6;TMEM255B;TMCO3	-0.77482	-2.91025	0.004093	0.182625
PRF1	0.334004	2.9089	0.00411	0.183013
	0.299152	2.909097	0.004107	0.182981
BAIAP2	-0.36718	-2.90787	0.004123	0.183247
ENSG00000264198;IKZF3;PLXDC1	-0.37608	-2.91022	0.004093	0.182625
TSPAN18	-0.25772	-2.90823	0.004118	0.183122
LEKR1;LINC00886;VEPH1;TIPARP	-0.34162	-2.9088	0.004111	0.183013
	0.186883	2.908951	0.004109	0.183013
	0.275405	2.907585	0.004126	0.183329
TNFSF14	0.433425	2.907411	0.004128	0.183407
	0.319272	2.906527	0.004139	0.183585
	0.249491	2.907108	0.004132	0.183511
	-0.35979	-2.90865	0.004113	0.183035

ADORA2A-AS1;GGT5	0.281023	2.908766	0.004111	0.183013
MS4A8;DAK;PPP1R32;LRRC10B;CYB561A3;ENSG00000257052;				
VPS37C;TMEM138;TMEM216;TMEM132A	-0.43859	-2.90699	0.004134	0.183511
C17orf66;DUSP14;ENSG00000266956	-0.34064	-2.90771	0.004125	0.183295
GGT7;EIF2S2;EIF6;ITCH;MYH7B	0.477632	2.907732	0.004124	0.183295
DCHS1	0.300034	2.908189	0.004119	0.183125
CYTH3;RNF216;RADIL;ACTB	-0.37269	-2.90669	0.004137	0.183565
	0.213146	2.906577	0.004139	0.183585
	-0.32364	-2.90836	0.004116	0.183099
CEP104;SKI	0.221083	2.906963	0.004134	0.183511
	0.827916	2.908477	0.004115	0.183079
	0.330171	2.904912	0.00416	0.183937
	-0.35971	-2.90616	0.004144	0.183616
CCDC96;KIAA0232	-0.26637	-2.90695	0.004134	0.183511
	-0.30204	-2.90651	0.00414	0.183585
	0.223097	2.908706	0.004112	0.183028
GLUD1	-0.4273	-2.90736	0.004129	0.183417
	0.273543	2.905005	0.004159	0.183937
ZNRD1-AS1	-0.24636	-2.90726	0.00413	0.183455
	-0.23164	-2.90551	0.004152	0.183802
	0.346873	2.904784	0.004161	0.183937
CHCHD3	0.309117	2.903916	0.004172	0.184177
CAPN5;LRRC32;AAMDC	0.242998	2.904636	0.004163	0.183976
CCDC173;BBS5	0.416183	2.906145	0.004144	0.183616
KALRN;ROPN1B	-0.37875	-2.90546	0.004153	0.183812
RHBDF2	0.347078	2.906995	0.004134	0.183511
	-0.39427	-2.90595	0.004147	0.183672
CARS;IGF2;MRPL23;NAP1L4	-0.44097	-2.90564	0.004151	0.18377
	-0.41454	-2.90701	0.004133	0.183511
	0.295893	2.905853	0.004148	0.183706
FSTL3;MISP;R3HDM4;PPAP2C;PALM;ADAMTSL5;GAMT;SHC2;G				
RIN3B;MIDN;TCF3	-0.30463	-2.90327	0.004181	0.184231
	0.131064	2.904254	0.004168	0.184087
	0.293771	2.906418	0.004141	0.183596
	0.293848	2.906288	0.004142	0.183596
SMIM20	-0.3633	-2.90638	0.004141	0.183596
	0.271147	2.905524	0.004152	0.183802
BAIAP2;C17orf89;SLC25A10;GPS1;STRA13	-0.22854	-2.90525	0.004156	0.183891
	-0.19999	-2.90344	0.004179	0.184231
	-0.26353	-2.90657	0.004139	0.183585
MZB1	-0.38956	-2.90674	0.004137	0.183565
	0.431737	2.906736	0.004137	0.183565
	0.328529	2.90629	0.004142	0.183596
WDR45B;PCYT2;LRRC45;MAFG-				
AS1;FN3KRP;ENSG00000261888;ENSG00000262652;METRNL;				
NOTUM	-0.39656	-2.9058	0.004149	0.183719
	0.265765	2.906243	0.004143	0.183602

	0.255633	2.901413	0.004204	0.18454
	0.247582	2.902952	0.004185	0.18436
APBA2	0.376108	2.906684	0.004137	0.183565
	0.382564	2.906328	0.004142	0.183596
TLN1;RUSC2;TPM2;DNAJB5;RECK;GLIPR2;UNC13B;STOML2;GNE;PIGO;CLTA;RMRP;HINT2;VCP	0.378024	2.904607	0.004164	0.183976
	-0.21563	-2.90456	0.004164	0.183976
	-0.3377	-2.90326	0.004181	0.184231
ENSG00000260742	0.220222	2.902234	0.004194	0.184536
TLDC1	-0.22877	-2.90481	0.004161	0.183937
DCDC2B;ZBTB8A;COL16A1;IQCC;TMEM39B;TMEM234;TINAGL1	-0.32156	-2.90396	0.004172	0.184177
GARNL3;RALGPS1;ANGPTL2;PBX3	0.338219	2.902232	0.004194	0.184536
TNFRSF1B;TNFRSF8	-0.26994	-2.90445	0.004166	0.183994
	0.261895	2.902634	0.004189	0.184481
	-0.33497	-2.90386	0.004173	0.184177
BAIAP2	-0.41236	-2.90536	0.004154	0.183846
	-0.50418	-2.90197	0.004197	0.18454
JTB;HCN3;GBAP1	0.25749	2.903401	0.004179	0.184231
STAT5B;FKBP10;RAMP2;ATP6V0A1;CNTNAP1;KRT23;PTRF;STAT5A;KRT13;KRT19;VPS25;TUBG1;KRT20;COASY;LEPREL4;KRT42P;TUBG2;EZH1;ENSG00000267758	-0.31754	-2.90325	0.004181	0.184231
NXPH3;SGCA;COL1A1;CACNA1G;MYCBPAP;ANKRD40	0.580148	2.904815	0.004161	0.183937
ENSG00000261655;PTP4A3	-0.3855	-2.90485	0.004161	0.183937
	0.34981	2.904181	0.004169	0.184109
CCR1	0.223087	2.902869	0.004186	0.184387
FAM213B	0.324254	2.904863	0.00416	0.183937
PDPK1;ENSG00000262370;TCEB2	0.324278	2.90494	0.004159	0.183937
	0.291731	2.904889	0.00416	0.183937
	-0.20966	-2.90606	0.004145	0.183628
	-0.24528	-2.90495	0.004159	0.183937
	0.502148	2.903957	0.004172	0.184177
	0.399249	2.90493	0.00416	0.183937
RCSD1;GPR161;MPC2;TBX19	-0.27231	-2.90338	0.004179	0.184231
GPR110;GPR116;TNFRSF21	-0.20667	-2.90179	0.0042	0.18454
SUGCT	0.31113	2.902377	0.004192	0.184534
ZNF423	-0.3485	-2.90476	0.004162	0.183937
	0.300959	2.903483	0.004178	0.184231
	0.333139	2.904519	0.004165	0.183976
TRPM2	0.510804	2.904521	0.004165	0.183976
	-0.29794	-2.90325	0.004181	0.184231
ANKRD28;BTD;RFTN1;HACL1;GALNT15;SH3BP5;DPH3	-0.36329	-2.90161	0.004202	0.18454
RIPK4;PDE9A;SLC37A1;UBASH3A;TMPRSS2	-0.3409	-2.90235	0.004192	0.184534
	0.312426	2.903886	0.004173	0.184177
	0.186718	2.902089	0.004196	0.18454
	0.396966	2.902453	0.004191	0.184526
CALM2;EPCAM	-0.34566	-2.90061	0.004215	0.184703

SGPP2	-0.33896	-2.90393	0.004172	0.184177
SOX21-AS1;GPR180;GPC6;DNAJC3;DNAJC3-AS1;CLDN10;SOX21	0.383745	2.903492	0.004178	0.184231
MYO9A;UACA;THSD4	0.356533	2.901761	0.0042	0.18454
	0.235672	2.903738	0.004175	0.184204
	0.305981	2.902264	0.004193	0.184536
	0.196669	2.901527	0.004203	0.18454
FAIM2	-0.25246	-2.90379	0.004174	0.184194
	0.296406	2.903497	0.004178	0.184231
ASNA1;ZNF627	0.35732	2.903593	0.004177	0.184229
	-0.32276	-2.90234	0.004193	0.184534
	-0.16703	-2.90258	0.004189	0.184494
RAMP3;POLD2;BLVRA;HECW1;COA1	0.295167	2.901159	0.004208	0.184599
	0.175487	2.90365	0.004176	0.184224
	0.146932	2.900616	0.004215	0.184703
	0.240609	2.901883	0.004198	0.18454
	-0.42065	-2.90182	0.004199	0.18454
	0.301806	2.903053	0.004183	0.184322
	0.368975	2.902742	0.004187	0.18444
	0.241971	2.900502	0.004216	0.184715
UNC13B	-0.45852	-2.90144	0.004204	0.18454
RPS27A	0.382925	2.902488	0.004191	0.184525
NUP210;FBLN2	0.323456	2.901919	0.004198	0.18454
CDS1;NKX6-1	-0.37132	-2.90156	0.004202	0.18454
	0.148068	2.901585	0.004202	0.18454
KLHDC1	0.309565	2.900969	0.00421	0.184637
SYTL3;RSPH3;DYNLT1;EZR;C6orf99;ZDHHC14;ENSG00000213076	-0.43165	-2.89938	0.00423	0.185037
	-0.2874	-2.90363	0.004176	0.184224
SIGLEC9;FPR1	-0.33925	-2.8997	0.004226	0.184973
	0.211606	2.902053	0.004196	0.18454
UGP2;AFTPH	-0.30328	-2.90144	0.004204	0.18454
	-0.35925	-2.90193	0.004198	0.18454
	0.274154	2.899663	0.004227	0.184973
	0.343419	2.90073	0.004213	0.184695
TP73-AS1;MEGF6	0.222822	2.901593	0.004202	0.18454
	-0.25821	-2.90047	0.004216	0.184715
	0.32515	2.901453	0.004204	0.18454
XPNPEP1	-0.52901	-2.90161	0.004202	0.18454
	0.286465	2.899865	0.004224	0.184973
SLC4A8;OR7E47P;TFCP2	0.24595	2.898883	0.004237	0.185108
	0.134395	2.901854	0.004199	0.18454
	-0.19275	-2.89948	0.004229	0.185037
VWF;IFFO1;CLSTN3	0.477926	2.90046	0.004217	0.184715
POLD2	0.212257	2.901226	0.004207	0.184599
	0.289667	2.900546	0.004215	0.184715
	0.246355	2.901086	0.004209	0.184599

ABI3	-0.31281	-2.90201	0.004197	0.18454
DDRGK1	-0.1934	-2.90152	0.004203	0.18454
	0.205078	2.899145	0.004233	0.185086
	0.160912	2.901615	0.004202	0.18454
ACSBG2	-0.35813	-2.90115	0.004208	0.184599
KIAA1841	-0.39039	-2.89972	0.004226	0.184973
	0.324273	2.899036	0.004235	0.185108
	0.384958	2.900752	0.004213	0.184695
	0.383665	2.899683	0.004226	0.184973
	0.169443	2.898786	0.004238	0.185121
	0.262886	2.901106	0.004208	0.184599
	0.295407	2.900764	0.004213	0.184695
C11orf83;TMEM258	0.292675	2.901416	0.004204	0.18454
	0.272735	2.901071	0.004209	0.184599
EGFLAM;LIFR;DAB2;OSMR	0.4092	2.897843	0.00425	0.185353
	-0.23452	-2.90041	0.004217	0.184724
TMC8;TMC6;TNRC6C-AS1	-0.35588	-2.90119	0.004207	0.184599
	0.228877	2.899762	0.004225	0.184973
	0.346112	2.898901	0.004237	0.185108
	-0.33568	-2.89899	0.004235	0.185108
TMEM255B	-0.3775	-2.89979	0.004225	0.184973
	-0.31062	-2.89811	0.004247	0.185314
	0.35614	2.900681	0.004214	0.184703
	0.260719	2.898255	0.004245	0.185273
	-0.20408	-2.89851	0.004242	0.185187
	0.368762	2.899873	0.004224	0.184973
	0.259749	2.896398	0.004269	0.185711
FNBP1;CERCAM;PKN3;DOLPP1;DNM1;COQ4;LINC00963;WDR34;ODF2;GLE1;SPTAN1;TOR1A;TOR1B	-0.3668	-2.89939	0.00423	0.185037
PITPNM2;CLIP1;TMED2	-0.34884	-2.90013	0.004221	0.184861
	0.291747	2.90086	0.004211	0.184679
ENSG00000259881	0.296836	2.8986	0.00424	0.185185
EBPL	-0.46403	-2.89812	0.004247	0.185314
	0.275567	2.899204	0.004233	0.185086
	0.297133	2.898545	0.004241	0.185185
DCDC1;MPPED2;ENSG00000255029	-0.34472	-2.89546	0.004281	0.185904
TMEM255B;GAS6;F10;TMCO3;TFDP1	-0.31933	-2.89897	0.004236	0.185108
	-0.39528	-2.89915	0.004233	0.185086
FRAS1	0.370005	2.897196	0.004259	0.185509
TMEM255B;CDC16;ADPRHL1;GAS6;TFDP1;TMCO3	-0.59623	-2.89919	0.004233	0.185086
	0.331491	2.897498	0.004255	0.185424
CDH23;PALD1;SLC29A3	0.328126	2.897274	0.004258	0.185484
MLLT4;C6orf123	-0.21868	-2.89913	0.004234	0.185086
GLB1L2	0.303049	2.897629	0.004253	0.185379
	-0.25613	-2.89739	0.004256	0.185456
PPP1R7;HDLBP;BOK;PASK	-0.33804	-2.89939	0.00423	0.185037
	0.487971	2.897956	0.004249	0.185351

	-0.39161	-2.89884	0.004237	0.185115
	-0.37835	-2.89891	0.004236	0.185108
SHH	0.274652	2.898043	0.004248	0.185335
	0.444778	2.899575	0.004228	0.185004
	-0.25395	-2.89767	0.004252	0.185379
	0.375154	2.898759	0.004238	0.185121
	0.559406	2.89831	0.004244	0.18526
ENSG00000261659;ENSG00000196674;METRN;IFT140	-0.2321	-2.89596	0.004275	0.185838
TTC18;P4HA1;DNAJC9-AS1;ENSG00000227540;USP54;ANXA7;VCL;MRPS16;RNU6-833P;MCU;CHCHD1	-0.34393	-2.89671	0.004265	0.185687
	-0.31442	-2.89641	0.004269	0.185711
AKR1C2;AKR1C3;AKR1C1;FAM208B	-0.56633	-2.89769	0.004252	0.185379
TNRC6C;TIMP2;CBX2;SYNGR2;C1QTNF1;ENSG00000178404;CANT1	0.234655	2.895646	0.004279	0.185872
	0.302047	2.897072	0.00426	0.18556
	0.165981	2.89609	0.004273	0.185811
IL32	0.231747	2.895932	0.004275	0.185838
	-0.27464	-2.89729	0.004257	0.185484
	0.265345	2.898444	0.004242	0.185204
RASSF1;DOCK3;SEMA3F	-0.26479	-2.8958	0.004277	0.185838
	0.291759	2.898565	0.004241	0.185185
	0.400326	2.897946	0.004249	0.185351
FAM41C;NADK;RER1;TUBB8P11;SCNN1D;CALML6;C1orf86;SKI	-0.38879	-2.89786	0.00425	0.185353
TNXB;SLC44A4;NOTCH4	-0.33875	-2.89655	0.004267	0.185694
	0.193715	2.895509	0.00428	0.185904
	0.253558	2.895875	0.004276	0.185838
	0.218896	2.896885	0.004263	0.185628
	0.177701	2.896473	0.004268	0.185708
RNF144A	-0.43366	-2.89662	0.004266	0.185694
	0.302583	2.896556	0.004267	0.185694
	0.235655	2.897845	0.00425	0.185353
ZNF664;SCARB1;BRI3BP	-0.2545	-2.89558	0.004279	0.185888
	0.389069	2.896702	0.004265	0.185687
CDCA5;VEGFB	0.347324	2.897481	0.004255	0.185424
ENSG00000237423;ZMYND8	-0.30807	-2.89577	0.004277	0.185838
MS4A1	0.372414	2.896678	0.004265	0.185687
	-0.40682	-2.89637	0.004269	0.185711
	-0.23333	-2.89763	0.004253	0.185379
	-0.48225	-2.89584	0.004276	0.185838
	0.160701	2.897038	0.004261	0.18556
	0.262717	2.895391	0.004282	0.185922
DLAT;TTC12;PTS;CRYAB;C11orf88;MIR34C;PIH1D2;C11orf1;BTG4;ENSG00000254980	-0.48939	-2.89398	0.0043	0.186283
	0.325655	2.893794	0.004303	0.186318

TMC5;CCP110;COQ7;GPRC5B;IQCK;ABCC6P1;GDE1;SYT17	-0.31543	-2.89653	0.004267	0.185694
WDR78;TCTEX1D1;SGIP1;C1orf141	-0.36079	-2.89774	0.004252	0.185379
AASS	0.366794	2.89624	0.004271	0.185764
	-0.4097	-2.89611	0.004273	0.185811
	0.26083	2.894324	0.004296	0.186165
	0.45927	2.895259	0.004284	0.185959
	0.363712	2.893323	0.004309	0.186395
	0.425273	2.895741	0.004277	0.185838
	-0.35426	-2.89481	0.00429	0.18608
	-0.38253	-2.89324	0.00431	0.186395
TMEM108;SLCO2A1;SRPRB	-0.3107	-2.89375	0.004303	0.186318
	0.366194	2.895113	0.004286	0.186022
WDR45B;PCYT2;NOTUM;LRRC45;BAIAP2;LINC00482;BAIAP2-AS1;ENSG00000261924;MAFG-AS1;TMEM105;SLC25A10	-0.31794	-2.89497	0.004287	0.186078
	-0.21525	-2.89455	0.004293	0.186119
	0.249187	2.89587	0.004276	0.185838
LRRC27;TUBGCP2;TTC40;PWWP2B;KNDC1;FUOM;INPP5A	-0.39955	-2.89487	0.004289	0.18608
SNHG3;SNORA73B;SNHG12	-0.42328	-2.89466	0.004291	0.186108
	-0.42944	-2.89527	0.004284	0.185959
STAG3L2;WBSCR22;EIF4H	-0.27466	-2.89586	0.004276	0.185838
	-0.25683	-2.89169	0.00433	0.186739
CDIP1;GLIS2;GLYR1;SMIM22;C16orf71;CREBBP;CORO7;SRL;SEC14L5;VASN	-0.32184	-2.89547	0.004281	0.185904
CAV1;TES;ENSG00000243243	-0.44765	-2.89234	0.004322	0.18659
GHRLOS	0.271675	2.894947	0.004288	0.186078
GPR132;AHNAK2;TNFAIP2;ADSSL1;C14orf2;EIF5	0.358807	2.894277	0.004296	0.186165
	0.337464	2.894667	0.004291	0.186108
	0.175152	2.89136	0.004335	0.186739
CACNA1H;TMEM204;HN1L;UNKL;PKD1;ABCA3;PDPK1;SRRM2;C16orf91;TSC2	-0.31708	-2.8935	0.004307	0.186384
	0.354221	2.891558	0.004332	0.186739
HLA-DPB1	0.293078	2.893599	0.004305	0.186349
	0.277697	2.894259	0.004297	0.186165
	0.2095	2.891691	0.00433	0.186739
	0.265426	2.894746	0.00429	0.186097
	0.321488	2.893242	0.00431	0.186395
	0.314682	2.894487	0.004294	0.18613
ZNF366	0.419942	2.893932	0.004301	0.186293
C14orf79;ADSSL1;INF2;KIF26A;CDCA4;JAG2	-0.44012	-2.89102	0.004339	0.186739
SMAP2;HEYL;RIMS3;PABPC4;NFYC;AKIRIN1;KCNQ4;TRIT1;ZMPSTE24;CITED4;MFSD2A	-0.37874	-2.89361	0.004305	0.186349
	-0.54787	-2.8944	0.004295	0.186147
KLHDC7A;CROCC;PADI2;ENSG00000233421	-0.41363	-2.89454	0.004293	0.186119
CNPY4;ENSG00000239521;PCOLCE	-0.17767	-2.89487	0.004289	0.18608

SHQ1;PDZRN3;GPR27	-0.48121	-2.89439	0.004295	0.186147
	-0.2633	-2.89241	0.004321	0.18659
	0.337803	2.894605	0.004292	0.186119
CWC15	0.346934	2.890985	0.00434	0.186739
GIMAP8;GIMAP6;SMARCD3;NOS3;GIMAP5;GIMAP1;GIMAP7;PRKAG2;GIMAP4	-0.43218	-2.89483	0.004289	0.18608
DNAJC16;KAZN;FHAD1;FBLIM1;ENSG00000228140;AGMAT	0.30728	2.890365	0.004348	0.186955
LGALS3	-0.46344	-2.89332	0.004309	0.186395
MIR497HG;CLDN7;TNFSF12;POLR2A;ATP1B2;SLC2A4	-0.23986	-2.89317	0.004311	0.186395
	0.412797	2.893883	0.004302	0.186301
OAT	0.24943	2.892184	0.004324	0.18664
	-0.36413	-2.89252	0.004319	0.18659
	0.306645	2.893602	0.004305	0.186349
ENSG00000239665	0.28465	2.891472	0.004333	0.186739
TXLNA	0.204957	2.889789	0.004355	0.187022
	-0.36237	-2.8928	0.004316	0.18648
	-0.24633	-2.89416	0.004298	0.186201
	0.283524	2.892088	0.004325	0.186675
GALNS	-0.45086	-2.89119	0.004337	0.186739
	-0.20113	-2.89125	0.004336	0.186739
	0.360577	2.893776	0.004303	0.186318
MATN2;CPQ	-0.3894	-2.88998	0.004353	0.187006
	-0.28321	-2.89298	0.004313	0.186395
DHRS3;ENSG00000272482;MIIP;ANGPTL7	-0.27937	-2.89311	0.004312	0.186395
CHST6;ENSG00000203472	-0.42145	-2.89344	0.004307	0.186395
PAQR4;ENSG00000205890;CCDC64B;IL32;CREBBP;PRSS22;PDPK1;ENSG00000262370	-0.28392	-2.89094	0.00434	0.186739
	0.328383	2.891509	0.004333	0.186739
	-0.28472	-2.89328	0.004309	0.186395
	0.282813	2.893018	0.004313	0.186395
	-0.35102	-2.8932	0.00431	0.186395
	0.166942	2.89226	0.004323	0.186616
	0.244577	2.891152	0.004337	0.186739
	-0.38285	-2.89239	0.004321	0.18659
FAM83H-AS1	-0.27355	-2.89164	0.004331	0.186739
	0.346258	2.891112	0.004338	0.186739
TET1;TSPAN15;COL13A1;PBLD;TACR2;STOX1	-0.33224	-2.89337	0.004308	0.186395
MRPS15;AGO3;MTF1	-0.29972	-2.8911	0.004338	0.186739
ENSG00000248441;NR2F2	-0.44292	-2.89102	0.004339	0.186739
	0.369483	2.893114	0.004312	0.186395
BTBD9;TBC1D22B;CPNE5;TMEM217;CDKN1A	-0.30917	-2.89018	0.00435	0.186957
	-0.29894	-2.89178	0.004329	0.186739
	0.377812	2.893011	0.004313	0.186395
BAIAP2;RNF213;PCYT2	0.446571	2.890087	0.004351	0.186961
CYTH3;RNF216;RADIL;ACTB	-0.29546	-2.89174	0.00433	0.186739
CCDC7	0.291778	2.893045	0.004313	0.186395

MRPL23;NAP1L4;TSPAN32;CARS;IGF2	-0.50262	-2.89102	0.004339	0.186739
RABL5;ZCWPW1;EPHB4;ZNHIT1;STAG3;TRIP6;ENSG00000239521;ACHE;MUC12;PCOLCE;ENSG00000260336;GNB2	-0.32086	-2.89019	0.00435	0.186957
	-0.25129	-2.8911	0.004338	0.186739
VCPIP1;ADHFE1	-0.36617	-2.89266	0.004318	0.186539
CACNA1E;ENSG00000243155	0.32678	2.889178	0.004363	0.187112
	-0.33261	-2.8916	0.004331	0.186739
	0.608224	2.891979	0.004326	0.186718
	0.318368	2.892339	0.004322	0.18659
	0.29704	2.89015	0.004351	0.186957
	0.165651	2.89121	0.004337	0.186739
	-0.2608	-2.89185	0.004328	0.186739
PTGES3;ENSG00000224713;RBMS2;TSPAN31;ARHGEF25;BAZ2A;ARHGAP9;PIP4K2C;ATP5B	-0.38714	-2.88928	0.004362	0.187101
NRP1	0.388121	2.887698	0.004383	0.18749
ZNF34;FAM83H-AS1;FAM83H;TSTA3;MROH6;GPIHBP1	-0.74277	-2.8925	0.00432	0.18659
RARG;TENC1;IGFBP6;SLC4A8;BIN2;GALNT6;KRT5;GRASP;ACVRL1	-0.25939	-2.89161	0.004331	0.186739
HEG1;MUC13;ROPN1B	0.282866	2.890824	0.004342	0.18677
TNFRSF14	0.318966	2.892432	0.004321	0.18659
	0.325962	2.890239	0.004349	0.186957
	-0.2665	-2.89132	0.004335	0.186739
TMEM121;C14orf79	-0.25643	-2.8895	0.004359	0.187048
	0.414883	2.88946	0.00436	0.187054
AGAP2;ARHGEF25;B4GALNT1;ENSG00000224713;ERBB3;GLI1;NDUFA4L2	0.339587	2.88863	0.004371	0.187246
	0.344489	2.891407	0.004334	0.186739
MIS12	-0.21275	-2.89139	0.004334	0.186739
PPCS	0.394738	2.890505	0.004346	0.186894
	0.185452	2.889832	0.004355	0.187022
	-0.26052	-2.88964	0.004357	0.187022
	0.299463	2.890911	0.004341	0.186739
	-0.19252	-2.89013	0.004351	0.186957
	0.301808	2.890968	0.00434	0.186739
	0.217239	2.888667	0.00437	0.187246
	-0.27454	-2.88988	0.004354	0.187022
	-0.3357	-2.89019	0.00435	0.186957
FAM110C;SH3YL1	-0.31449	-2.88958	0.004358	0.187022
	0.205876	2.888615	0.004371	0.187246
	0.346563	2.890622	0.004344	0.186846
	0.184548	2.889926	0.004353	0.187015
	-0.33439	-2.891	0.004339	0.186739
FRA10AC1	0.388922	2.890735	0.004343	0.186801
TC2N;CALM1;CCDC88C;ENSG00000260711;NDUFB1;SLC24A4;TTC7B	-0.37011	-2.88866	0.00437	0.187246
THSD1	0.271307	2.886685	0.004396	0.187575
WDR73;UBE2Q2P1;AGBL1;AKAP13;ENSG00000259544	-0.39831	-2.88676	0.004395	0.187575

	0.241448	2.887978	0.004379	0.187405
	-0.37796	-2.89118	0.004337	0.186739
	0.261831	2.887859	0.004381	0.187418
TBX5-AS1;TBX3;TBX5	-0.32983	-2.88672	0.004396	0.187575
PRKCQ	-0.30884	-2.8902	0.00435	0.186957
	0.206149	2.889294	0.004362	0.187101
	-0.30823	-2.88851	0.004372	0.187246
	0.425064	2.889095	0.004364	0.187129
	0.284558	2.88667	0.004397	0.187575
ELN;CLDN4;ABHD11	-0.40116	-2.88975	0.004356	0.187022
	-0.39706	-2.88962	0.004358	0.187022
	-0.44294	-2.88809	0.004378	0.187405
	0.284259	2.887521	0.004385	0.187553
FUT2;AP2S1	-0.24819	-2.88855	0.004372	0.187246
	-0.31696	-2.8879	0.00438	0.187414
SLBP	-0.37955	-2.8888	0.004368	0.187238
	0.185822	2.88883	0.004368	0.187238
CDHR1	-0.32367	-2.886	0.004406	0.187703
	0.148308	2.889244	0.004363	0.187101
	0.195638	2.88695	0.004393	0.187575
	0.219022	2.887176	0.00439	0.187575
	0.337157	2.889618	0.004358	0.187022
	0.230042	2.888836	0.004368	0.187238
KATNB1;CCDC135;ENSG00000260467;ENSG00000259922;ENS G00000260438	-0.23129	-2.88868	0.00437	0.187246
	0.312289	2.886125	0.004404	0.187653
RAPGEF4;ENSG00000091436;CHN1;GPR155	0.347671	2.889716	0.004356	0.187022
	0.278617	2.888296	0.004375	0.187339
	0.271183	2.889159	0.004364	0.187112
	0.248747	2.888514	0.004372	0.187246
SNORA74A;HARS	0.197889	2.887529	0.004385	0.187553
EIF4ENIF1;SMTN;PES1;DRG1;TCN2	0.249132	2.887069	0.004391	0.187575
CACNA2D3	0.382673	2.887489	0.004386	0.187553
	-0.50376	-2.88804	0.004378	0.187405
SDK2;SSTR2;TTYH2;SLC39A11	-0.32844	-2.88578	0.004409	0.187738
SPHK1;SEC14L1	-0.34633	-2.88928	0.004362	0.187101
	0.219005	2.889592	0.004358	0.187022
TXK	-0.28245	-2.884	0.004432	0.18804
ENSG00000260257	0.205043	2.887948	0.00438	0.187405
	0.2433	2.887207	0.004389	0.187575
MRPL36	0.388213	2.888008	0.004379	0.187405
	0.308813	2.887294	0.004388	0.187575
ANKRD31;ANKDD1B;GFM2	-0.25794	-2.88722	0.004389	0.187575
	0.287423	2.886849	0.004394	0.187575
EP400	0.364505	2.886361	0.004401	0.187575
FGFR4;ARL10;DBN1	0.253873	2.882819	0.004448	0.188133
ATPIF1;ENSG00000270605;TMEM200B;TRNAU1AP	-0.4472	-2.88641	0.0044	0.187575

PFKFB2;C1orf116	0.330327	2.88683	0.004395	0.187575
	-0.29716	-2.88849	0.004372	0.187246
	0.354258	2.88474	0.004422	0.187876
C17orf96	0.40399	2.886409	0.0044	0.187575
SH2D2A;SYT11;NTRK1	0.308576	2.884543	0.004425	0.1879
	0.360036	2.886417	0.0044	0.187575
	0.233711	2.886464	0.004399	0.187575
	0.420042	2.887078	0.004391	0.187575
TBC1D8;RFX8;ENSG00000272902;IL18R1;IL1RL1;IL1R1;ENSG00				
000271532	0.432834	2.886737	0.004396	0.187575
CD247	-0.40847	-2.88679	0.004395	0.187575
	0.377937	2.887996	0.004379	0.187405
	-0.29	-2.8874	0.004387	0.187575
	0.360135	2.886616	0.004397	0.187575
KLHL23;BBS5;ERICH2;CCDC173;ENSG00000239467	0.313245	2.886625	0.004397	0.187575
	-0.36007	-2.88528	0.004415	0.187773
	0.244875	2.885444	0.004413	0.187773
	0.369869	2.885003	0.004419	0.187773
FAM216B;OR7E36P;ENOX1;RGCC;VWA8	-0.4099	-2.88591	0.004407	0.187737
	0.271148	2.885345	0.004414	0.187773
GFI1	-0.46041	-2.88799	0.004379	0.187405
SHC4	-0.50564	-2.88513	0.004417	0.187773
	0.15599	2.88396	0.004433	0.18804
	-0.26951	-2.88657	0.004398	0.187575
	0.271863	2.88668	0.004397	0.187575
HCP5;HLA-B;PPP1R10;PPP1R18;HLA-DRA;HLA-C;MICB	0.587373	2.887085	0.004391	0.187575
ZAP70;INPP4A;MGAT4A;YWHAQP5	0.312911	2.887139	0.00439	0.187575
	-0.32917	-2.88501	0.004419	0.187773
	0.3233	2.886763	0.004395	0.187575
	0.290616	2.885584	0.004411	0.187755
NAT1;PCM1;SLC7A2	-0.36403	-2.88324	0.004442	0.188114
	-0.38479	-2.88536	0.004414	0.187773
	-0.34592	-2.88566	0.00441	0.187748
	-0.32572	-2.88571	0.004409	0.187748
	0.213547	2.885616	0.004411	0.187755
	0.260665	2.883562	0.004438	0.188113
	0.295183	2.882857	0.004448	0.18813
LEKR1;VEPH1;LINC00886;ENSG00000243176	-0.31456	-2.8841	0.004431	0.18804
GPR161;MPC2;DCAF6	-0.44163	-2.88326	0.004442	0.188114
	-0.33534	-2.88708	0.004391	0.187575
	-0.35132	-2.88526	0.004415	0.187773
	0.378413	2.8867	0.004396	0.187575
	0.337654	2.884993	0.004419	0.187773
	-0.19804	-2.88341	0.00444	0.188113
	-0.36167	-2.88509	0.004418	0.187773
	0.317748	2.885385	0.004414	0.187773
	-0.23468	-2.88653	0.004398	0.187575

	0.196522	2.885856	0.004407	0.187738
FERMT2;BMP4;DDHD1	0.319831	2.883462	0.00444	0.188113
	0.336697	2.885524	0.004412	0.18777
PTPRE;ADAM12	-0.42224	-2.8851	0.004418	0.187773
CYP2A13	-0.22595	-2.88579	0.004408	0.187738
	0.337396	2.886366	0.004401	0.187575
	-0.23436	-2.88383	0.004435	0.18804
	-0.16404	-2.88624	0.004402	0.187606
	0.306428	2.885675	0.00441	0.187748
	-0.52196	-2.88628	0.004402	0.1876
USP48;HSPG2	0.274863	2.884714	0.004423	0.187876
DENND3	-0.25784	-2.88341	0.00444	0.188113
	-0.32741	-2.88454	0.004425	0.1879
	0.275523	2.881648	0.004464	0.18833
	0.18786	2.88297	0.004446	0.188114
AP1M2;KANK2	-0.31155	-2.88579	0.004408	0.187738
KIAA0922;TRIM2	-0.41562	-2.88642	0.0044	0.187575
	-0.20348	-2.88294	0.004447	0.188114
DALRD3	0.282692	2.884204	0.00443	0.18804
BOLA3	0.335149	2.883621	0.004437	0.188105
	0.36682	2.885198	0.004416	0.187773
	0.380917	2.885491	0.004412	0.18777
TMC8;ST6GALNAC2;ST6GALNAC1	-0.4143	-2.88466	0.004424	0.18789
	0.297581	2.884561	0.004425	0.1879
	0.224257	2.881356	0.004468	0.18839
	0.253009	2.883985	0.004433	0.18804
	0.159127	2.881385	0.004468	0.18839
	0.289242	2.883676	0.004437	0.188093
	0.37543	2.883909	0.004434	0.18804
	0.273321	2.883435	0.00444	0.188113
	0.394207	2.883866	0.004434	0.18804
MGEA5	-0.43215	-2.8848	0.004422	0.187864
	0.412754	2.883165	0.004444	0.188114
	0.248298	2.884425	0.004427	0.187947
	0.268292	2.883923	0.004433	0.18804
	-0.31853	-2.88388	0.004434	0.18804
ENSG00000261655;PTP4A3	0.39126	2.882918	0.004447	0.188114
NRXN2;RASGRP2;MAP4K2;CCDC88B;PRDX5;FERMT3;STIP1;DN				
AJC4;HRASLS2	-0.3324	-2.88293	0.004447	0.188114
	0.249377	2.882928	0.004447	0.188114
	0.324217	2.884998	0.004419	0.187773
	-0.42806	-2.88524	0.004416	0.187773
TENC1;POU6F1;ACVRL1	-0.33454	-2.88237	0.004454	0.188269
	0.172441	2.881798	0.004462	0.18833
	0.372677	2.883225	0.004443	0.188114
	-0.2103	-2.88248	0.004453	0.188236
	0.25274	2.881731	0.004463	0.18833

C6orf211	-0.51637	-2.88379	0.004435	0.188047
	0.259566	2.883895	0.004434	0.18804
	-0.37355	-2.88268	0.00445	0.188195
	0.24998	2.88262	0.004451	0.188209
TIMP2	-0.34918	-2.88384	0.004434	0.18804
BLK	0.312762	2.884136	0.00443	0.18804
	0.288007	2.883541	0.004438	0.188113
	-0.33858	-2.88124	0.004469	0.1884
	-0.4641	-2.88191	0.00446	0.18833
	0.372204	2.882319	0.004455	0.188269
	-0.38898	-2.88169	0.004463	0.18833
	-0.34371	-2.88307	0.004445	0.188114
	-0.29124	-2.88143	0.004467	0.188383
	0.315385	2.883102	0.004444	0.188114
	-0.45734	-2.88187	0.004461	0.18833
	0.268498	2.881143	0.004471	0.1884
	0.351213	2.88222	0.004456	0.188306
	-0.31429	-2.88311	0.004444	0.188114
	0.291366	2.883243	0.004442	0.188114
CDH1;ESRP2;CHTF8;NQO1;NIP7	-0.57262	-2.8815	0.004466	0.188364
SMYD2	0.366696	2.88329	0.004442	0.188114
PCDH1	0.231023	2.88125	0.004469	0.1884
SHANK2;TPCN2;MRGPRF;ANO1;ENSG00000256508;ENSG0000				
0261625;ENSG00000246889	-0.38405	-2.88117	0.00447	0.1884
	0.183424	2.882575	0.004451	0.188216
HSPA12B;ADAM33;CDC25B;C20orf27	-0.34326	-2.88202	0.004459	0.18833
TRIM37;GDPD1	0.171258	2.880798	0.004475	0.188496
	-0.19067	-2.87894	0.004501	0.188893
	-0.38468	-2.8817	0.004463	0.18833
RAD51B	-0.22232	-2.8803	0.004482	0.188603
	0.26716	2.881843	0.004461	0.18833
	-0.31099	-2.88088	0.004474	0.188496
	-0.24743	-2.88171	0.004463	0.18833
	0.303339	2.881228	0.00447	0.1884
	-0.42143	-2.88308	0.004445	0.188114
	0.187665	2.88165	0.004464	0.18833
PHLDB1;KMT2A;MPZL3;ENSG00000255176;BACE1;SCN2B;FXY				
D2;TAGLN;FXYD6;TMPRSS4;PCSK7;HMBS;UBE4A;TREH;TMEM2				
5;IFT46;ATP5L	-0.29715	-2.88056	0.004479	0.188547
SIPA1;CTSW	-0.23057	-2.88248	0.004453	0.188236
IDH1	0.328397	2.882334	0.004455	0.188269
	0.283202	2.881591	0.004465	0.18833
	0.368262	2.881764	0.004462	0.18833
CCDC33;ENSG00000259264;HCN4;CYP11A1;SEMA7A;PML;CSK;				
FAM219B	-0.31703	-2.88019	0.004484	0.188628
	0.391551	2.878123	0.004512	0.189139
	0.380509	2.879191	0.004497	0.188876

	-0.3309	-2.88168	0.004463	0.18833
	0.395992	2.877443	0.004521	0.189289
LINC00284;FAM216B	-0.33696	-2.88083	0.004475	0.188496
KIF24;RN7SKP24;CCL19;ENSG00000230729;DNAI1;ANKRD18B	-0.23878	-2.88036	0.004481	0.188603
	0.417984	2.879077	0.004499	0.188876
	-0.29321	-2.88119	0.00447	0.1884
	0.238254	2.880571	0.004479	0.188547
	-0.60469	-2.88193	0.00446	0.18833
	0.236702	2.881621	0.004464	0.18833
THSD7A;ENSG00000235920;ENSG00000230333	0.376083	2.880973	0.004473	0.188478
	0.348507	2.879261	0.004496	0.188876
KIAA0825;NR2F1	0.288919	2.879948	0.004487	0.18868
	0.395103	2.877524	0.00452	0.189289
CLEC10A;ACAP1;KCTD11	-0.4874	-2.88199	0.004459	0.18833
DNM1P46;SYNM;ENSG00000259363;TTC23;ENSG0000026161				
6	-0.29332	-2.88075	0.004476	0.188496
	-0.36342	-2.87886	0.004502	0.188905
	0.256743	2.880758	0.004476	0.188496
	0.149368	2.878425	0.004508	0.18904
	0.336126	2.880831	0.004475	0.188496
	-0.43861	-2.88033	0.004482	0.188603
ENSG00000255545	0.262289	2.879902	0.004488	0.18868
	0.271795	2.879199	0.004497	0.188876
IL32	0.301049	2.881646	0.004464	0.18833
	0.298083	2.877089	0.004526	0.189343
	-0.27057	-2.88019	0.004484	0.188628
	-0.21061	-2.88001	0.004486	0.18868
	0.678255	2.878527	0.004506	0.189026
	0.40632	2.877438	0.004521	0.189289
	0.256828	2.878883	0.004501	0.188905
	0.194937	2.880569	0.004479	0.188547
METTL2A	0.345885	2.880325	0.004482	0.188603
RNASET2;ENSG00000197146;ENSG00000228648;PRR18	0.337396	2.877485	0.00452	0.189289
ELMO1	-0.36654	-2.88047	0.00448	0.188577
HLA-C	-0.22107	-2.87684	0.004529	0.189389
	0.235944	2.8794	0.004494	0.188876
	-0.3868	-2.87981	0.004489	0.188693
	0.23698	2.879131	0.004498	0.188876
	-0.45685	-2.87826	0.00451	0.189096
EPB41L4B;TXNDC8;C9orf152	0.433624	2.878515	0.004506	0.189026
	0.314754	2.877948	0.004514	0.189175
CYP2W1;CHST12;PSMG3;PDGFA;SUN1;MAD1L1;PRKAR1B	-0.40004	-2.87997	0.004487	0.18868
	0.370839	2.8778	0.004516	0.18923
	-0.29492	-2.87939	0.004495	0.188876
	-0.28628	-2.87827	0.00451	0.189096

	-0.35901	-2.87903	0.004499	0.188876
	0.262685	2.879917	0.004487	0.18868
EGFL7;FAM69B;ENSG00000227512	0.33019	2.879005	0.0045	0.188876
MCAM;TRAPPC4;HYOU1	-0.38255	-2.87903	0.004499	0.188876
	-0.2745	-2.88009	0.004485	0.188668
	0.291259	2.879287	0.004496	0.188876
	0.354007	2.878666	0.004504	0.188977
	-0.47589	-2.87982	0.004489	0.188693
ZDHHC13	-0.34143	-2.87958	0.004492	0.18881
	0.351727	2.87877	0.004503	0.188936
	-0.28084	-2.87711	0.004526	0.189343
ENSG00000224814	0.28218	2.877486	0.00452	0.189289
TJP3;PTPRS;GIPC3	-0.32228	-2.87926	0.004496	0.188876
	0.269777	2.878457	0.004507	0.18904
	0.360589	2.879239	0.004497	0.188876
	0.256648	2.877756	0.004517	0.189237
	0.31811	2.879075	0.004499	0.188876
	-0.24516	-2.87699	0.004527	0.189343
KL;STARD13	-0.22741	-2.8747	0.004559	0.189703
	0.356446	2.876494	0.004534	0.189474
NME4;RGS11;CACNA1H;HBA1;TPSB2;HBA2;ENSG00000261659	-0.41277	-2.87681	0.00453	0.189389
TMEM59	-0.3018	-2.878	0.004513	0.189175
	-0.2424	-2.87608	0.00454	0.189522
ADCK4	-0.25195	-2.87798	0.004514	0.189175
DAB2	0.411419	2.877705	0.004517	0.189248
	0.280219	2.877264	0.004524	0.189343
ZSCAN5A;NAT14;HSPBP1;ZNF264;ZSCAN5D	-0.29663	-2.87625	0.004537	0.189474
	0.342931	2.876456	0.004535	0.189474
	0.262805	2.875646	0.004546	0.189613
	0.306737	2.876602	0.004533	0.189474
	-0.19709	-2.8762	0.004538	0.18948
THRB	-0.38262	-2.87433	0.004564	0.189746
	0.152603	2.874476	0.004562	0.189744
	0.273031	2.877562	0.004519	0.189289
ATP2C2;WFDC1;CRISPLD2;KIAA0513	-0.35953	-2.87544	0.004549	0.189613
	0.230935	2.87639	0.004535	0.189474
	0.147416	2.874571	0.00456	0.189708
	0.207195	2.877103	0.004526	0.189343
	0.275202	2.87606	0.00454	0.189522
	0.286815	2.874645	0.004559	0.189703
NIPAL4	0.263198	2.875336	0.00455	0.189613
	0.333954	2.877929	0.004514	0.189175
TPCN2	-0.31972	-2.87554	0.004547	0.189613
	0.243844	2.874972	0.004555	0.189633
	0.33855	2.877185	0.004525	0.189343
DYNLT1;EZR;RSPH3;ZDHHC14	-0.74812	-2.87652	0.004534	0.189474

PCED1B-AS1;PCED1B	0.330934	2.876564	0.004533	0.189474
	0.232322	2.87633	0.004536	0.189474
	0.237699	2.878182	0.004511	0.189124
	-0.58743	-2.87635	0.004536	0.189474
	0.157606	2.873859	0.00457	0.189806
NDUFB9	-0.35999	-2.87705	0.004526	0.189343
GNA12;LFNG;IQCE	-0.34867	-2.87705	0.004526	0.189343
	-0.31633	-2.8732	0.004579	0.189916
	-0.2613	-2.87701	0.004527	0.189343
ARHGEF15;BCL6B;CLDN7;NLGN2;ATP1B2;KCTD11;MYH10;CTC1;SLC2A4;WRAP53;MPDU1;ELP5;TNFSF12;CYB5D1;MIR497HG;PIK3R6;VAMP2;ACAP1;ENSG00000270606;TMEM107	-0.43401	-2.87578	0.004544	0.189609
VARS2;HCP5	-0.32125	-2.87558	0.004547	0.189613
	0.397078	2.875633	0.004546	0.189613
NYAP1;PCOLCE;ENSG00000239521	-0.4029	-2.87706	0.004526	0.189343
SPAG17;WDR3;GDAP2;FAM46C;CD2	-0.37518	-2.87465	0.004559	0.189703
LINC00926;CGNL1	-0.41108	-2.8744	0.004563	0.189746
TRPV2;TBC1D27	-0.36613	-2.87637	0.004536	0.189474
FMNL3;ENSG00000205537;DDX23	0.196629	2.875263	0.004551	0.189616
	0.439938	2.875957	0.004541	0.189544
PRR15L;HOXB4;HOXB-AS2;ENSG00000239291;HOXB3;HOXB-AS3	-0.28973	-2.87533	0.00455	0.189613
	0.340015	2.875117	0.004553	0.189616
	-0.37749	-2.87551	0.004547	0.189613
	-0.44098	-2.87459	0.00456	0.189708
SLC25A44;ISG20L2	0.177675	2.877081	0.004526	0.189343
	0.327052	2.875485	0.004548	0.189613
	0.386952	2.873483	0.004575	0.189869
	-0.23198	-2.87327	0.004578	0.189906
AQP4;ENSG00000265374;SS18	-0.30236	-2.87266	0.004587	0.190068
	-0.35472	-2.87532	0.00455	0.189613
PM20D1;RAB7L1	0.456665	2.874928	0.004556	0.189633
DYNLL1;MLEC	0.518497	2.87466	0.004559	0.189703
MYO9A;THSD4;UACA	-0.34058	-2.87403	0.004568	0.18977
	0.283457	2.875447	0.004548	0.189613
	0.309677	2.875015	0.004554	0.189633
	-0.29987	-2.87421	0.004565	0.189746
	0.329554	2.87624	0.004538	0.189474
SLC26A11	-0.54379	-2.8756	0.004546	0.189613
	-0.3276	-2.87519	0.004552	0.189616
	-0.24236	-2.8763	0.004537	0.189474
	0.249548	2.87602	0.004541	0.189526
XPNPEP3;A4GALT;PMM1;ZC3H7B;L3MBTL2;ENSG00000231993;CENPM	-0.32093	-2.87203	0.004596	0.190151
	-0.49736	-2.87686	0.004529	0.189389
ELF5	-0.45434	-2.87494	0.004555	0.189633

	0.135488	2.873029	0.004582	0.189928
TSPAN4;MRPL23	0.254246	2.875447	0.004548	0.189613
	0.322538	2.872469	0.004589	0.190068
	0.352292	2.876433	0.004535	0.189474
	0.272743	2.875196	0.004552	0.189616
ZBP1	0.306505	2.875874	0.004543	0.189573
	0.25645	2.875092	0.004553	0.189616
	-0.38165	-2.87411	0.004567	0.189751
	0.362173	2.874242	0.004565	0.189746
	-0.33627	-2.87484	0.004557	0.189664
	-0.37034	-2.8744	0.004563	0.189746
	0.323106	2.874182	0.004566	0.189746
	0.216256	2.874307	0.004564	0.189746
	-0.25551	-2.87362	0.004573	0.189869
APBB2;RBM47;LIMCH1;SMIM14;NSUN7	-0.43186	-2.87401	0.004568	0.18977
	-0.30549	-2.87177	0.004599	0.19021
ZNF473;ENSG00000269091;ENSG00000204666	0.201962	2.87176	0.004599	0.19021
TACR1;SEMA4F;DQX1;DOK1;BOLA3	-0.46405	-2.87093	0.004611	0.190266
ANTXR1	0.460328	2.873593	0.004574	0.189869
TPST1;INTS4L2	0.351019	2.872499	0.004589	0.190068
EXOC3L4	-0.436	-2.87536	0.00455	0.189613
ENSG00000262714	-0.26491	-2.86813	0.00465	0.19074
GRIN1;LCNL1	-0.26464	-2.87314	0.00458	0.189916
ENSG00000228264	-0.28033	-2.87326	0.004579	0.189906
	-0.2074	-2.87225	0.004592	0.190096
	0.260179	2.873821	0.004571	0.189806
HCP5;HSPA1A	-0.34821	-2.87357	0.004574	0.189869
	0.248197	2.873178	0.00458	0.189916
AGPAT6;C8orf4	-0.36095	-2.87206	0.004595	0.190151
	0.201675	2.874219	0.004565	0.189746
	0.263668	2.871599	0.004602	0.19021
	0.273236	2.874195	0.004566	0.189746
	0.841077	2.87516	0.004552	0.189616
	-0.34091	-2.87396	0.004569	0.189783
	0.208437	2.873475	0.004576	0.189869
	0.224487	2.870639	0.004615	0.190322
SH3TC1;ENSG00000251580	0.285237	2.87342	0.004576	0.189869
	0.382304	2.873445	0.004576	0.189869
	0.291853	2.871592	0.004602	0.19021
DNAJC16;FHAD1;ENSG00000228140;RSG1;CROCC;DDI2;FBLIM 1;HSPB7;AGMAT;ENSG00000237301;NECAP2	-0.35904	-2.87246	0.00459	0.190068
UGGT1	-0.35671	-2.87368	0.004573	0.189867
	-0.24902	-2.87102	0.00461	0.190266
	0.264228	2.875087	0.004553	0.189616
	0.236605	2.870832	0.004612	0.190286
ENSG00000253839	-0.4533	-2.87233	0.004591	0.190068
STMN3	-0.40875	-2.87271	0.004586	0.190068

	-0.2769	-2.87244	0.00459	0.190068
POLR1C;MRPL14;TMEM63B;DNPH1;MRPS18A;YIPF3;MAD2L1BP;RSPH9;SLC29A1	0.236057	2.872094	0.004595	0.190151
	-0.28587	-2.87086	0.004612	0.190286
	0.275549	2.874139	0.004566	0.189751
	0.234432	2.872981	0.004582	0.189937
	0.356765	2.872391	0.004591	0.190068
	-0.35692	-2.87383	0.004571	0.189806
	0.33858	2.873275	0.004578	0.189906
CCDC88B;RASGRP2;FERMT3;SIPA1;MAP4K2	-0.3056	-2.87045	0.004618	0.190322
	-0.37207	-2.87142	0.004604	0.190214
TXNDC15	-0.20441	-2.87138	0.004605	0.190214
MCC	-0.38682	-2.8719	0.004597	0.190206
	0.259222	2.870591	0.004616	0.190322
	-0.25287	-2.87217	0.004594	0.190123
TAL1;CMPK1;TSPAN1;AKR1A1;PRDX1;STIL;LURAP1;IPP	-0.34896	-2.87311	0.004581	0.189916
	0.242905	2.871156	0.004608	0.190247
	-0.15822	-2.86974	0.004627	0.190515
FENDRR;SLC7A5;FOXF1	-0.2677	-2.87235	0.004591	0.190068
TSNAXIP1;ZDHHC1;GFOD2;TPPP3;CES4A;RRAD;LRRC36;RANBP10;ENKD1;CMTM4;PLEKHG4;SLC12A4;ATP6V0D1;LCAT	-0.4531	-2.87118	0.004607	0.190247
DNAAF2;CDKL1;ATP5S;NIN;ATL1;ENSG00000259071	-0.37681	-2.86892	0.004639	0.190545
AGAP2;GLI1;ARHGAP9	-0.67362	-2.87176	0.004599	0.19021
	0.238158	2.872392	0.004591	0.190068
ENSG00000188242;SLC9A3;PDCD6;EXOC3;NKD2;TPPP	-0.67713	-2.87347	0.004576	0.189869
	-0.13797	-2.86895	0.004638	0.190545
	-0.55545	-2.87304	0.004582	0.189928
VSTM4;ERCC6;ARHGAP22	-0.3432	-2.87094	0.004611	0.190266
CLMP;SCN3B	0.310291	2.871668	0.004601	0.19021
	0.361308	2.872532	0.004589	0.190068
	0.275056	2.869871	0.004626	0.190515
	0.301536	2.871477	0.004603	0.19021
	0.315058	2.871342	0.004605	0.190214
PLXDC2;MALRD1	0.309941	2.872483	0.004589	0.190068
CCS;PELI3	0.29227	2.871657	0.004601	0.19021
	0.370229	2.871657	0.004601	0.19021
	0.25058	2.872554	0.004588	0.190068
	0.353961	2.867695	0.004656	0.190875
SCARB1;TMEM132B;LINC00939	0.291344	2.871355	0.004605	0.190214
	0.321312	2.869248	0.004634	0.190545
SOBP;PDSS2	-0.36645	-2.87051	0.004617	0.190322
	-0.18044	-2.86974	0.004627	0.190515
	0.235603	2.86868	0.004642	0.190605
	0.288297	2.870587	0.004616	0.190322
	-0.19636	-2.87029	0.00462	0.190371
	0.312391	2.871512	0.004603	0.19021

PERP;HEBP2;NHSL1;ABRACL	-0.48565	-2.86944	0.004632	0.190515
	0.210717	2.870268	0.00462	0.190371
	0.2478	2.871506	0.004603	0.19021
ZKSCAN7;FYCO1	0.368645	2.870506	0.004617	0.190322
	0.263532	2.868925	0.004639	0.190545
	-0.16757	-2.8707	0.004614	0.190322
	-0.25225	-2.87164	0.004601	0.19021
	-0.2368	-2.8711	0.004608	0.190258
EPX	0.250479	2.869571	0.00463	0.190515
	0.201888	2.869034	0.004637	0.190545
	-0.33001	-2.86982	0.004626	0.190515
	0.209266	2.869932	0.004625	0.190515
	0.338328	2.870971	0.00461	0.190266
ROCK2;GREB1	0.253292	2.869622	0.004629	0.190515
ZDHHC4;RNF216;ZNF815P;CYTH3;FSCN1;RAC1	-0.49745	-2.86935	0.004633	0.190515
	0.208643	2.86947	0.004631	0.190515
	0.178327	2.870932	0.004611	0.190266
	-0.41832	-2.87155	0.004602	0.19021
	-0.44243	-2.87043	0.004618	0.190322
	0.411516	2.869794	0.004627	0.190515
	0.27192	2.868925	0.004639	0.190545
	0.229457	2.869567	0.00463	0.190515
HES2;THAP3;KCNAB2	-0.48712	-2.86966	0.004628	0.190515
	0.279837	2.871232	0.004607	0.190247
	0.168419	2.868814	0.00464	0.190546
	0.329548	2.868912	0.004639	0.190545
	-0.18328	-2.87013	0.004622	0.190433
PTGDS;LCNL1;GPSM1;GRIN1;UBAC1;SEC16A;NRARP;ENTPD8;ENSG00000264527;UAP1L1;NOTCH1;INPP5E;TUBB4B;C9orf163;SNAPC4;CAMSAP1;MAN1B1	-0.43428	-2.87122	0.004607	0.190247
	0.34094	2.870497	0.004617	0.190322
	0.253733	2.868401	0.004646	0.190692
ARID3A;HMHA1;GNG7;ZNF57;MOB3A;TCF3;ABHD17A	-0.36578	-2.86923	0.004635	0.190545
PTPRS;RFX2;CAPS;CATSPERD;TRIP10;HSD11B1L;FUT6;FUT3;MLLT1;PLIN3;ENSG00000267262;ENSG00000266983;ENSG00000267589;ENSG00000267427;CRB3	-0.40195	-2.86906	0.004637	0.190545
	-0.34247	-2.87042	0.004618	0.190322
	0.445462	2.870582	0.004616	0.190322
	0.36064	2.868321	0.004647	0.190701
MYC;CCAT1	-0.50484	-2.86735	0.004661	0.190875
SFT2D1	-0.41264	-2.86919	0.004635	0.190545
	-0.43981	-2.86968	0.004628	0.190515
	0.242291	2.869364	0.004633	0.190515
	0.312483	2.869393	0.004632	0.190515
	0.285433	2.867349	0.004661	0.190875
	0.231986	2.869508	0.004631	0.190515
HSPG2;LDLRAD2;CDC42;HP1BP3	0.348538	2.868832	0.00464	0.190546

ANAPC16;ANXA7;DUSP8P5	0.354463	2.869509	0.004631	0.190515
	-0.18339	-2.86694	0.004667	0.190929
GSS;GGT7;EIF2S2;EDEM2;MYH7B;ITCH;EIF6	-0.23504	-2.86855	0.004644	0.190626
	0.281798	2.86751	0.004659	0.190875
UBASH3A	0.412528	2.868951	0.004638	0.190545
	0.331113	2.867843	0.004654	0.19083
	0.224678	2.868587	0.004643	0.190622
	0.313263	2.867454	0.004659	0.190875
	-0.27433	-2.86864	0.004643	0.190607
	0.179783	2.869162	0.004635	0.190545
	-0.2617	-2.86685	0.004668	0.190942
	0.232093	2.868215	0.004649	0.190726
	0.252681	2.86796	0.004652	0.19078
	-0.43865	-2.86822	0.004649	0.190726
	-0.34122	-2.86516	0.004692	0.19142
	-0.26808	-2.86935	0.004633	0.190515
	-0.18644	-2.86689	0.004667	0.190938
	0.421872	2.862956	0.004723	0.191745
	0.34309	2.868071	0.004651	0.190753
	-0.28833	-2.8694	0.004632	0.190515
	-0.29879	-2.86729	0.004662	0.190875
	0.399349	2.86737	0.004661	0.190875
ENSG00000236986	-0.3455	-2.86882	0.00464	0.190546
	-0.39216	-2.86566	0.004685	0.191305
	-0.30487	-2.86833	0.004647	0.190701
LRRC8B	-0.22726	-2.86615	0.004678	0.191185
CRISPLD2	-0.2863	-2.86619	0.004677	0.191185
ST6GALNAC1;ST6GALNAC2;TNRC6C;TMC8	-0.32167	-2.86722	0.004663	0.190875
FBXO18;SFMBT2	-0.39234	-2.86536	0.004689	0.191399
	-0.35342	-2.8674	0.00466	0.190875
	0.293939	2.868126	0.00465	0.19074
	-0.29636	-2.86735	0.004661	0.190875
	-0.27531	-2.8676	0.004657	0.190875
	-0.44349	-2.86759	0.004657	0.190875
	-0.28529	-2.86702	0.004665	0.190918
	0.225485	2.866551	0.004672	0.191079
RUNDC1;BRCA1	0.213961	2.867274	0.004662	0.190875
KPNA1;WDR5B;GOLGB1;IQCB1	-0.54939	-2.86798	0.004652	0.19078
	0.350798	2.867076	0.004665	0.190905
SLC25A13	0.382725	2.864136	0.004706	0.19161
LRRC23;IFFO1;CD27;CLSTN3;CD163L1;SCNN1A;VWF;ANO2;GP R162;C1R;ENSG00000257084	-0.23817	-2.86517	0.004691	0.19142
	-0.32141	-2.86775	0.004655	0.190865
	-0.57428	-2.86753	0.004658	0.190875
HES6	-0.39981	-2.86658	0.004672	0.191078
	0.275947	2.865288	0.00469	0.19142
	0.360267	2.867244	0.004662	0.190875

	-0.23431	-2.86491	0.004695	0.19144
	0.25461	2.866975	0.004666	0.190926
	0.224028	2.866234	0.004677	0.191185
	0.150739	2.865949	0.004681	0.191261
	0.22096	2.867266	0.004662	0.190875
PLEKHF2	0.212397	2.866144	0.004678	0.191185
	0.408672	2.86567	0.004684	0.191305
MRPS15	0.302652	2.864383	0.004703	0.191604
	-0.33215	-2.86557	0.004686	0.191334
NODAL	0.226847	2.866158	0.004678	0.191185
	0.475235	2.867096	0.004664	0.190905
	0.303717	2.865796	0.004683	0.191305
	0.36966	2.863577	0.004714	0.191627
	-0.34828	-2.86309	0.004721	0.191725
CARD8;CD37	-0.32405	-2.86716	0.004664	0.190895
	-0.36865	-2.86476	0.004697	0.191509
	-0.39088	-2.86621	0.004677	0.191185
ZBED4;ENSG00000213279	-0.37861	-2.86365	0.004713	0.191627
SYDE1;TECR;RASAL3;GIPC1	-0.32933	-2.86267	0.004727	0.191783
	-0.1595	-2.86412	0.004706	0.19161
	0.275376	2.865464	0.004687	0.191376
B2M;SQRDL;TRIM69;PDIA3	-0.33385	-2.86385	0.00471	0.191627
	0.194653	2.865113	0.004692	0.19142
	0.246614	2.860823	0.004753	0.192007
	0.382371	2.865163	0.004692	0.19142
SLC22A18	0.170396	2.865876	0.004682	0.191285
ADAMTS2;GFPT2;ZNF354C	-0.24109	-2.86509	0.004693	0.19142
	-0.35571	-2.86443	0.004702	0.191604
RAMP3;AEBP1;NACAD;BLVRA	0.296221	2.86403	0.004708	0.19161
	-0.46146	-2.86648	0.004673	0.191103
	0.297392	2.864226	0.004705	0.19161
	0.377484	2.865187	0.004691	0.19142
	-0.39758	-2.86399	0.004708	0.19161
GIMAP8;REPIN1;GIMAP6;GIMAP1;NOS3;ATG9B;GIMAP5;LRRC 61;GIMAP7;RARRES2;CDK5;GIMAP4;ENSG00000240449	-0.30355	-2.86168	0.004741	0.19192
SYNGR2	0.210553	2.864371	0.004703	0.191604
	-0.23005	-2.86414	0.004706	0.19161
	-0.28775	-2.86601	0.00468	0.191246
PAG1	0.308891	2.864948	0.004695	0.191435
TNRC6C;ST6GALNAC1;LINC00338	-0.32248	-2.86305	0.004722	0.19173
HOMER2	0.287484	2.865038	0.004693	0.19142
	0.205314	2.863712	0.004712	0.191627
ZNF876P;RNF212;ZNF732	-0.47709	-2.86171	0.004741	0.19192
SEC14L1;SAP30BP	0.281677	2.864023	0.004708	0.19161
	-0.22626	-2.86398	0.004708	0.19161
	-0.35234	-2.86458	0.0047	0.191594

	-0.32447	-2.86574	0.004683	0.191305
	-0.37992	-2.86496	0.004695	0.191435
	-0.36834	-2.86253	0.004729	0.191827
GSTM4;FAM102B;GPSM2;CELSR2;C1orf194;STRIP1;GSTM5	-0.35806	-2.862	0.004737	0.191898
	-0.45573	-2.86542	0.004688	0.191382
SYT15	0.302605	2.865651	0.004685	0.191305
	-0.32514	-2.86375	0.004712	0.191627
	-0.25336	-2.86446	0.004702	0.191604
MYCBP2	-0.46396	-2.86184	0.004739	0.191914
ENSG00000214248	-0.19036	-2.86128	0.004747	0.191969
CDC42EP3;GALM	-0.39524	-2.8644	0.004702	0.191604
	0.186498	2.863444	0.004716	0.19165
	0.235048	2.864379	0.004703	0.191604
	0.483617	2.863413	0.004716	0.19165
	0.339376	2.86269	0.004727	0.191783
	0.301835	2.8624	0.004731	0.191848
	0.280833	2.865064	0.004693	0.19142
XPNPEP1;BBIP1	-0.2873	-2.86425	0.004705	0.19161
ODF2L;MCOLN3;MIR4423;WDR63;LPAR3;DDAH1;CTBS	-0.27067	-2.86157	0.004743	0.191945
	0.396393	2.864329	0.004703	0.19161
	0.265342	2.865739	0.004683	0.191305
	0.350853	2.863142	0.00472	0.191725
	0.546698	2.864118	0.004706	0.19161
AP1M2;ZNF627;DOCK6;ENSG00000105520	-0.33873	-2.8614	0.004745	0.191969
LYPD6B	-0.52184	-2.86095	0.004751	0.192007
HOXB-AS2	-0.53704	-2.86264	0.004727	0.191784
	0.215542	2.863703	0.004712	0.191627
SH3BP2	0.267728	2.862764	0.004726	0.191783
MEGF6;PRDM16;PLCH2	0.351961	2.863572	0.004714	0.191627
	0.191542	2.862132	0.004735	0.191898
	-0.24197	-2.86242	0.004731	0.191848
	0.243608	2.864035	0.004708	0.19161
	-0.41144	-2.8639	0.004709	0.191627
	-0.27084	-2.86276	0.004726	0.191783
RPL7L1;RRP36	-0.33749	-2.86314	0.00472	0.191725
	-0.27104	-2.86368	0.004713	0.191627
GTF2E2;RBPMS;KIF13B;HMBOX1	-0.41443	-2.86269	0.004727	0.191783
	0.329154	2.861616	0.004742	0.191937
	-0.35552	-2.86215	0.004734	0.191898
	0.220816	2.860632	0.004756	0.192007
	0.27794	2.862092	0.004735	0.191898
	0.242905	2.863571	0.004714	0.191627
	0.208986	2.861152	0.004749	0.192004
	0.391983	2.863694	0.004712	0.191627
	0.225015	2.862997	0.004722	0.19174
KIAA1462;SVIL;ZNF438	0.258791	2.860207	0.004762	0.19205

TMEM254;ZMIZ1;ANXA11;PPIF	-0.47987	-2.86315	0.00472	0.191725
ENSG00000251438;DTHD1;ENSG00000247193	-0.35554	-2.86206	0.004736	0.191898
	-0.4083	-2.86189	0.004738	0.191914
	0.308972	2.860614	0.004756	0.192007
KATNAL2;C18orf25	-0.37745	-2.86341	0.004717	0.19165
	-0.36144	-2.86032	0.004761	0.19205
GIMAP5;GIMAP1	-0.34427	-2.86213	0.004735	0.191898
	0.241077	2.863163	0.00472	0.191725
RALGAPA1	-0.28754	-2.86246	0.00473	0.191848
MEOX1;AOC3;RND2;AOC2	-0.40931	-2.86347	0.004716	0.19165
AEBP1;HECW1;POLD2;TMED4;ENSG00000261019	-0.42863	-2.86021	0.004762	0.19205
	0.317726	2.859847	0.004767	0.192149
	0.275693	2.861838	0.004739	0.191914
NRXN2;FERMT3;CCDC88B;DNAJC4;BATF2;RASGRP2;TRPT1;CDC42BPG	0.405697	2.863086	0.004721	0.191725
RYR3	0.287344	2.863624	0.004713	0.191627
	-0.32121	-2.86118	0.004748	0.192004
	0.281861	2.861288	0.004747	0.191969
	0.172741	2.862325	0.004732	0.191861
	-0.33409	-2.86279	0.004725	0.191783
	0.271553	2.860978	0.004751	0.192007
VDAC3;SLC20A2;SMIM19;SFRP1	0.25268	2.86284	0.004725	0.191783
HLA-DOA;HLA-DPB1;ZBTB9;HCG25;HLA-DMB;HLA-DMA;UQCC2;TAP2;HLA-DPA1	0.341695	2.861812	0.004739	0.191914
IGF2	-0.32077	-2.8615	0.004744	0.191963
GALNT6;GRASP;TENC1	0.555274	2.862027	0.004736	0.191898
	0.295956	2.861328	0.004746	0.191969
COA1	0.219885	2.862314	0.004732	0.191861
	0.265929	2.860803	0.004754	0.192007
CCBE1	0.412286	2.862104	0.004735	0.191898
LRRC59;FAM117A;SAMD14;MRPL27;PHB;ABI3;SLC35B1;TMEM92	-0.228	-2.86051	0.004758	0.192015
	0.424332	2.859141	0.004777	0.192314
	0.24608	2.860371	0.00476	0.19205
SEC61A1	-0.28577	-2.8593	0.004775	0.192275
	-0.23216	-2.86187	0.004738	0.191914
KLHDC7A;UBXN10;EMC1	-0.28323	-2.86148	0.004744	0.191963
ECE2	0.19043	2.859746	0.004769	0.192149
	0.213058	2.860729	0.004755	0.192007
	-0.41928	-2.86169	0.004741	0.19192
MCAM;CBL;RPL5P30	-0.32331	-2.86128	0.004747	0.191969
DNAJC9-AS1;VCL;TTC18;ENSG00000227540;RNU6-833P;CAMK2G;P4HA1	-0.30712	-2.85983	0.004768	0.192149
	0.288363	2.859928	0.004766	0.192131
KLHL5	0.222053	2.859151	0.004777	0.192314
	-0.24518	-2.8605	0.004758	0.192015
	0.201681	2.861418	0.004745	0.191969

	0.246312	2.860801	0.004754	0.192007
	0.247211	2.85974	0.004769	0.192149
	0.272969	2.859599	0.004771	0.192176
	-0.22214	-2.86053	0.004757	0.192015
	0.339587	2.860841	0.004753	0.192007
	-0.19397	-2.86092	0.004752	0.192007
	-0.30964	-2.85954	0.004772	0.192192
	-0.31768	-2.85978	0.004768	0.192149
	-0.2042	-2.8617	0.004741	0.19192
	0.266065	2.857989	0.004794	0.192657
	0.334321	2.860824	0.004753	0.192007
	-0.2562	-2.86063	0.004756	0.192007
	-0.28192	-2.8592	0.004777	0.192314
	-0.27986	-2.86068	0.004755	0.192007
	-0.22629	-2.86072	0.004755	0.192007
BAI1;PTP4A3;PSCA;LY6D;GPIHBP1;ENSG00000271959	-0.30307	-2.86071	0.004755	0.192007
GAS5	0.236266	2.861037	0.00475	0.192007
	0.218211	2.860425	0.004759	0.192043
	0.239079	2.860952	0.004751	0.192007
	0.188724	2.855865	0.004825	0.193265
	-0.38842	-2.85908	0.004778	0.19233
	-0.18671	-2.86016	0.004763	0.19205
	-0.28983	-2.85789	0.004795	0.192668
	-0.16879	-2.85903	0.004779	0.192342
	-0.31031	-2.85846	0.004787	0.192572
	-0.3015	-2.85993	0.004766	0.192131
	-0.19648	-2.85931	0.004775	0.192275
BTG4;BCO2;TTC12;PIH1D2;ANKK1;C11orf88;MIR34C;ENSG000				
00254980;DLAT;PTS;ENSG00000214264;CRYAB;ENSG0000027				
0179;DRD2;DIXDC1;LAYN	-0.44249	-2.8567	0.004813	0.192987
	-0.44891	-2.85841	0.004788	0.192572
CACNA1H;NME4;RGS11	0.31223	2.857534	0.004801	0.192683
ERG	0.29739	2.858328	0.004789	0.192572
ROR1;CFL1P3;EFCAB7;ENSG00000223949;ENSG00000177452	0.372114	2.856891	0.00481	0.192909
ATG9B;REPIN1	0.381695	2.857869	0.004796	0.192668
	-0.31009	-2.86018	0.004763	0.19205
	-0.21868	-2.8603	0.004761	0.19205
	-0.3827	-2.85825	0.00479	0.192596
CAPN2;TP53BP2	-0.472	-2.85994	0.004766	0.192131
	0.208705	2.86027	0.004761	0.19205
LY6G5C;NELFE;SLC44A4;VWA7;HSPA1A;HCP5;HSPA1L	-0.33952	-2.85585	0.004825	0.193265
	0.267541	2.858675	0.004784	0.192493
GOLGA2P7	0.193541	2.858806	0.004782	0.192436
	-0.25263	-2.85757	0.0048	0.19268
EBF3	-0.70549	-2.85961	0.004771	0.192176
	0.212253	2.854045	0.004851	0.193695

MTMR9LP;TINAGL1;SDC3	-0.50641	-2.85962	0.004771	0.192176
SLBP	0.261067	2.85832	0.004789	0.192572
	0.260614	2.85759	0.0048	0.19268
ERGIC1	0.205899	2.858349	0.004789	0.192572
	-0.38777	-2.8586	0.004785	0.19252
	-0.40033	-2.85797	0.004794	0.192657
	0.284697	2.858185	0.004791	0.192614
	-0.44352	-2.85686	0.00481	0.192909
	-0.28511	-2.85841	0.004788	0.192572
GRIN2A;ENSG00000260432	-0.25048	-2.85773	0.004798	0.192668
	-0.22873	-2.85933	0.004775	0.192275
	0.268575	2.857721	0.004798	0.192668
PLSCR1	-0.34276	-2.85811	0.004792	0.192638
	0.314892	2.857083	0.004807	0.19289
	0.323287	2.857822	0.004796	0.192668
	0.305637	2.856357	0.004818	0.193093
BPNT1	-0.38316	-2.85795	0.004794	0.192657
NUAK2;C1orf186	0.220746	2.857116	0.004807	0.192889
	0.323336	2.857605	0.0048	0.19268
	-0.26224	-2.85796	0.004794	0.192657
EBF3	0.420557	2.856129	0.004821	0.193153
	-0.20749	-2.85641	0.004817	0.193081
KRAS	-0.23838	-2.85695	0.004809	0.192909
TMEM59;LRP8;SSBP3	0.424828	2.857715	0.004798	0.192668
	-0.44137	-2.85893	0.00478	0.192384
	-0.28441	-2.85697	0.004809	0.192909
NES;SYT11;SMG5;MEF2D;ARHGEF2;RAB25;ASH1L;CCT3;CKS1B;				
MTX1	-0.37865	-2.85557	0.004829	0.193335
	0.359427	2.855034	0.004837	0.193433
	0.412084	2.85766	0.004799	0.19268
	0.250302	2.856631	0.004814	0.192989
ANO2;DYRK4;VWF;CD9;RAD51AP1	-0.38062	-2.85688	0.00481	0.192909
	-0.34846	-2.85664	0.004814	0.192989
	-0.35238	-2.85781	0.004797	0.192668
	-0.23578	-2.85545	0.004831	0.193384
	0.145067	2.854815	0.00484	0.193482
	-0.28985	-2.85615	0.00482	0.193153
SLC2A5	-0.41737	-2.85498	0.004837	0.193433
	0.368055	2.855249	0.004834	0.193433
BCCIP;DHX32;FANK1;FANK1-AS1	-0.41138	-2.85263	0.004872	0.194012
ENSG00000261659	-0.44693	-2.85614	0.004821	0.193153
	0.355114	2.856532	0.004815	0.193028
	0.303248	2.856193	0.00482	0.193153
	-0.28451	-2.8543	0.004847	0.193693
	0.190091	2.854066	0.004851	0.193695
	-0.21471	-2.85188	0.004883	0.19411
SEMA3F;KLHDC8B;MST1R;ENSG00000270441;FAM212A	0.37347	2.854223	0.004849	0.193695

	-0.20446	-2.85509	0.004836	0.193433
	-0.28858	-2.85723	0.004805	0.192841
	0.167038	2.855687	0.004827	0.193301
	-0.19859	-2.85496	0.004838	0.193433
	0.233559	2.853059	0.004865	0.19398
	-0.18652	-2.85504	0.004837	0.193433
CCR5;CXCR6;CCR2	0.409943	2.855613	0.004828	0.193326
	0.277489	2.85321	0.004863	0.193963
FXYD3	0.315377	2.856891	0.00481	0.192909
	-0.24102	-2.85512	0.004835	0.193433
	0.306056	2.854887	0.004839	0.193458
FANCD2	-0.23183	-2.85501	0.004837	0.193433
PTPN6;LEPREL2;VWF;ATN1;GNB3;ENSG00000257084;SCARNA 10;CD27-				
AS1;IFFO1;SCNN1A;MRPL51;ENSG00000271969;PTMS	-0.41383	-2.85457	0.004843	0.193588
	0.155865	2.853233	0.004863	0.193963
TOMM40	-0.27696	-2.85513	0.004835	0.193433
	0.373598	2.854528	0.004844	0.193594
	0.252122	2.853107	0.004865	0.19398
	0.262399	2.854401	0.004846	0.19365
	0.277698	2.853	0.004866	0.19398
HES2;ESPN;KCNAB2	0.338728	2.855099	0.004836	0.193433
	-0.38489	-2.85575	0.004826	0.193299
AP3B2	0.369146	2.85366	0.004857	0.193792
	0.352114	2.852919	0.004868	0.19398
	0.478444	2.853893	0.004853	0.193727
	-0.25109	-2.85515	0.004835	0.193433
ATOH8;ENSG00000232504;VAMP8	-0.3045	-2.85415	0.00485	0.193695
	0.378842	2.855842	0.004825	0.193265
	0.264533	2.854978	0.004838	0.193433
	0.297445	2.853753	0.004855	0.193755
RBM28;CCDC136;LRRC4	0.308457	2.852606	0.004872	0.194012
	0.234859	2.855694	0.004827	0.193301
	0.443174	2.852806	0.004869	0.193999
	0.296376	2.854012	0.004852	0.193695
TEAD2;PLA2G4C;HRC;CARD8;RASIP1;EHD2;RUVBL2;EMP3;FUT2 ;CA11;DBP;CYTH2;FAM83E;SEPW1;PLEKHA4;PPP1R15A;HSD17				
B14;PPFIA3	-0.36953	-2.85292	0.004868	0.19398
	-0.37144	-2.85504	0.004837	0.193433
GBP3;CCBL2	0.659413	2.8541	0.00485	0.193695
RN7SKP255	0.318675	2.853855	0.004854	0.193727
	-0.53383	-2.85405	0.004851	0.193695
CCDC24;SLC6A9;CCDC17;TCTEX1D4;C1orf228;ST3GAL3;BEST4	0.289114	2.853431	0.00486	0.193907
COL15A1;TMOD1;NANS;CCDC180;GALNT12;ANKRD18CP	0.266951	2.852287	0.004877	0.194012
	0.477746	2.85287	0.004868	0.19398
	-0.25853	-2.85411	0.00485	0.193695

ENSG00000174171;STARD9;NUSAP1;TMEM87A	-0.45336	-2.85461	0.004843	0.193585
	0.248452	2.854028	0.004851	0.193695
	-0.26424	-2.851	0.004896	0.194474
	0.176171	2.85187	0.004883	0.19411
	-0.32758	-2.8509	0.004897	0.194477
	0.141489	2.853888	0.004853	0.193727
	-0.20567	-2.85236	0.004876	0.194012
LZTFL1	-0.45782	-2.85266	0.004871	0.194012
	-0.38478	-2.85337	0.004861	0.193924
	-0.2999	-2.85164	0.004886	0.194188
	0.330332	2.853833	0.004854	0.193727
	0.268849	2.852978	0.004867	0.19398
	0.287426	2.852512	0.004873	0.194012
	-0.48878	-2.8523	0.004877	0.194012
	0.250554	2.852109	0.004879	0.194061
	0.220004	2.852622	0.004872	0.194012
	0.336152	2.852354	0.004876	0.194012
SSU72;ENSG00000237491	-0.25918	-2.85253	0.004873	0.194012
	-0.2577	-2.85294	0.004867	0.19398
TRAF1;GGTA1P;PHF19;CNTRL	0.27915	2.852885	0.004868	0.19398
AGTRAP;C1orf158	0.374853	2.852634	0.004872	0.194012
	-0.2029	-2.85312	0.004865	0.19398
IL32;SEC14L5;GLYR1;UBN1	-0.34712	-2.85233	0.004876	0.194012
TXNL4A	0.301007	2.851938	0.004882	0.194108
	-0.20489	-2.85194	0.004882	0.194108
TPPP;TRIP13;ZDHHC11B;NKD2;LPCAT1;PDCD6;ZDHHC11;AHRR	-0.23803	-2.85065	0.004901	0.194532
HSP90AA5P	0.314066	2.851979	0.004881	0.194108
TSSC1	0.293537	2.850051	0.00491	0.194701
	0.272061	2.853338	0.004861	0.193924
	0.295792	2.850057	0.00491	0.194701
	0.180414	2.852378	0.004875	0.194012
	0.392707	2.849173	0.004923	0.194763
ENSG00000224713;ARHGEF25;B4GALNT1;PIP4K2C;GLI1;PTGES 3;LRP1;TSPAN31	0.404716	2.850899	0.004897	0.194477
	-0.2251	-2.85258	0.004873	0.194012
FA2H;ENSG00000203472;CHST6;RFWD3;PSMD7	-0.66904	-2.85223	0.004878	0.194016
	0.259531	2.849728	0.004914	0.194763
	-0.31178	-2.85113	0.004894	0.194416
	0.259657	2.84975	0.004914	0.194763
	-0.43725	-2.8504	0.004904	0.194614
KNTC1;DNAH10	-0.37233	-2.85222	0.004878	0.194016
	0.221779	2.850283	0.004906	0.194638
FLT4;ADAMTS2;GFPT2;RNF130	-0.39519	-2.85081	0.004898	0.194486
	0.4275	2.851733	0.004885	0.194154
	-0.30577	-2.85054	0.004902	0.194576
	-0.25625	-2.84926	0.004921	0.194763

ENSG00000264198;IKZF3;PLXDC1;ERBB2	0.395482	2.852493	0.004874	0.194012
	-0.21316	-2.85159	0.004887	0.194203
CXCR6;CCR5	0.302687	2.85093	0.004897	0.194477
ARRDC5	0.318774	2.851325	0.004891	0.19432
TP73-AS1	-0.39364	-2.84911	0.004923	0.194781
	0.292985	2.850387	0.004905	0.194614
ENOX1;LINC00284	-0.30561	-2.85021	0.004907	0.19466
	0.242353	2.849995	0.00491	0.194716
CDH5	0.338957	2.849336	0.00492	0.194763
	0.2947	2.849189	0.004922	0.194763
PIK3CG	-0.65297	-2.85229	0.004877	0.194012
TP73-AS1;MEGF6;DFFB;LINC00982	-0.23553	-2.85144	0.004889	0.19427
	0.331812	2.850392	0.004905	0.194614
	0.210809	2.848328	0.004935	0.19495
MYOM2;ARHGEF10	0.262536	2.848953	0.004926	0.194802
	-0.44885	-2.84937	0.00492	0.194763
TMC8;TMC6;TNRC6C-AS1;ENSG00000178404	-0.34407	-2.85079	0.004899	0.194486
	0.370589	2.849918	0.004912	0.194725
NTF3;SCNN1A;ANO2;IFFO1;C1R;VWF;C1S;CD27-AS1;CLSTN3;ENSG00000257084;CD9	-0.41647	-2.84951	0.004918	0.194763
	0.261136	2.850132	0.004908	0.194691
VPS8	-0.34426	-2.8503	0.004906	0.194638
	0.408462	2.851761	0.004884	0.194154
CYB5R1;ELF3;TMEM183A;PPFIA4;PTPN7;RNPEP;KDM5B;PPP1R12B;UBE2T;ENSG00000227417;TIMM17A;SYT2;SNRPE	-0.41854	-2.84849	0.004933	0.194909
RAB11FIP1;ERLIN2;GPR124	-0.27416	-2.8493	0.004921	0.194763
	0.292505	2.845876	0.004971	0.195431
TENC1;ACVRL1;GRASP;KRT6A;KRT80	-0.20978	-2.84934	0.00492	0.194763
	0.208288	2.850791	0.004899	0.194486
HMBOX1;FZD3;CCDC25	-0.37078	-2.84697	0.004955	0.19531
PLEKHB1;DNAJB13;PPME1;C2CD3;POLD3;UCP2;ENSG00000255847;PGM2L1;ENSG00000254837	-0.34135	-2.84624	0.004966	0.195348
	-0.27667	-2.84974	0.004914	0.194763
ARHGEF10	-0.47268	-2.84889	0.004927	0.194802
	0.189949	2.848557	0.004932	0.194907
	0.320418	2.847029	0.004954	0.19531
	-0.21583	-2.84921	0.004922	0.194763
	-0.25481	-2.84839	0.004934	0.19495
SYF2;TMEM50A	0.30436	2.847062	0.004954	0.19531
	0.159318	2.849216	0.004922	0.194763
MFNG;APOL3;CSF2RB;RAC2;IL2RB;CYTH4;NCF4;C22orf23;ANKRD54;IFT27;APOL2;LGALS2;LGALS1;MYH9;SOX10;SH3BP1;CDC42EP1;CARD10	0.414319	2.849015	0.004925	0.194802
	-0.20187	-2.84959	0.004916	0.194763
	0.338861	2.850707	0.0049	0.194518
	0.293611	2.849759	0.004914	0.194763

	0.295622	2.849444	0.004919	0.194763
	0.295064	2.849512	0.004918	0.194763
CBX2;C1QTNF1;CCDC40	-0.33079	-2.84889	0.004927	0.194802
IFI27L2	-0.28541	-2.84875	0.004929	0.19484
	-0.18836	-2.84775	0.004944	0.195118
	-0.17272	-2.84937	0.00492	0.194763
	0.177792	2.84942	0.004919	0.194763
	0.19954	2.849542	0.004917	0.194763
	0.297578	2.849005	0.004925	0.194802
LDB2	-0.44512	-2.84996	0.004911	0.194719
	0.26861	2.84793	0.004941	0.195054
	0.341901	2.846185	0.004967	0.195348
	-0.31062	-2.84603	0.004969	0.195395
	-0.48688	-2.8466	0.004961	0.19531
	0.277192	2.849272	0.004921	0.194763
	0.430263	2.848703	0.004929	0.19484
	0.147364	2.848513	0.004932	0.194909
ZNF3;STAG3;MUC12;KPNA7;ZKSCAN1;AP4M1;C7orf43	0.290019	2.84816	0.004938	0.194995
	0.251486	2.848937	0.004926	0.194802
ZNF540;SPINT2;ZNF527;PPP1R14A	-0.29891	-2.84794	0.004941	0.195054
	0.180559	2.849614	0.004916	0.194763
COA7	0.256255	2.848706	0.004929	0.19484
PTGIS;ENSG00000224397;SNAI1	0.277862	2.84827	0.004936	0.194966
FAM211A-AS1	-0.19332	-2.84834	0.004935	0.19495
	0.164852	2.845239	0.004981	0.195601
	0.368683	2.846669	0.00496	0.19531
	0.316039	2.846802	0.004958	0.19531
POMP;FLT1	-0.42319	-2.84632	0.004965	0.195348
RAN	0.308986	2.847703	0.004944	0.195118
CXCR2;PNKD;SLC11A1;ENSG00000223923	-0.42039	-2.84713	0.004953	0.19531
CD96	-0.38284	-2.84704	0.004954	0.19531
	0.366237	2.846359	0.004964	0.195348
NTAN1	-0.23941	-2.84806	0.004939	0.195037
ENSG00000203739	0.196406	2.846555	0.004961	0.19531
	0.43418	2.847709	0.004944	0.195118
	-0.27651	-2.8479	0.004941	0.195054
	-0.40279	-2.84704	0.004954	0.19531
TSPAN4;MUC5B;B4GALNT4;IFITM3;EFCAB4A;LRRC56;DEAF1;M				
UC5AC;RNH1;IFITM1;SYT8;IFITM10	-0.64873	-2.84381	0.005002	0.1959
	0.407053	2.848808	0.004928	0.194832
	0.32954	2.846706	0.004959	0.19531
	-0.26221	-2.84724	0.004951	0.19531
	0.276002	2.844027	0.004999	0.1959
	-0.38876	-2.84673	0.004959	0.19531
	0.228298	2.84751	0.004947	0.195212
	0.237013	2.847259	0.004951	0.19531
	-0.22994	-2.8468	0.004958	0.19531

NPLOC4	-0.26229	-2.84553	0.004977	0.195497
	0.330963	2.846893	0.004956	0.19531
	-0.32163	-2.84566	0.004975	0.195497
	-0.27077	-2.84705	0.004954	0.19531
ESRP2;HAS3;CIRH1A;CDH1;CDH3	-0.76823	-2.84801	0.00494	0.195044
CSNK1A1;MIR143HG;MIR145;ENSG00000253864;MYOZ3;MIR143;PDGFRB;SYNPO	-0.33924	-2.847	0.004955	0.19531
TMEM204;HN1L;SOX8;UNKL;ENSG00000260807;UBE2I;ENSG00000196674;ENSG00000261659;HAGH;IFT140;ENSG00000260051;NHLRC4;CCDC78;ZNF598	0.546724	2.845126	0.004983	0.195601
	0.308873	2.84818	0.004937	0.194995
	-0.34587	-2.84382	0.005002	0.1959
	0.257871	2.846513	0.004962	0.19531
	0.388882	2.846251	0.004966	0.195348
	0.142984	2.846909	0.004956	0.19531
	0.235184	2.844268	0.004995	0.195846
	-0.36249	-2.84703	0.004954	0.19531
	0.15524	2.845972	0.00497	0.195395
	0.345233	2.846172	0.004967	0.195348
CTTN;TPCN2;MRGPRF;ANO1;ENSG00000256508;ENSG00000261625	-0.49743	-2.8446	0.00499	0.195771
	0.259461	2.84711	0.004953	0.19531
	-0.22145	-2.84553	0.004977	0.195497
	-0.28094	-2.8453	0.00498	0.195591
NBEAL1	-0.30429	-2.84543	0.004978	0.19553
	0.269643	2.843757	0.005003	0.1959
	-0.31052	-2.8447	0.004989	0.195741
	0.276598	2.846619	0.00496	0.19531
	0.25506	2.844074	0.004998	0.195894
	-0.3655	-2.84597	0.00497	0.195395
	0.253598	2.84325	0.005011	0.196
	-0.30235	-2.84622	0.004966	0.195348
	-0.30464	-2.84658	0.004961	0.19531
	-0.42689	-2.84612	0.004968	0.19536
	0.235361	2.844191	0.004997	0.195862
B2M	-0.24485	-2.8426	0.00502	0.196219
CCDC81;ENSG00000255471	-0.40527	-2.84517	0.004982	0.195601
ZFPM2	0.49382	2.84662	0.00496	0.19531
BCAM;NOVA2;PVR;MARK4;ERCC1;ENSG00000267348	-0.91099	-2.84653	0.004962	0.19531
	-0.43315	-2.84688	0.004957	0.19531
	-0.34135	-2.84218	0.005027	0.196279
	0.244759	2.84399	0.005	0.1959
TM4SF18;ENSG00000224831;CP;PFN2;TSC22D2	-0.40144	-2.84395	0.005	0.1959
ZBTB9;UQCC2;PFDN6;HNRNPA1P2	0.261471	2.845568	0.004976	0.195497
	-0.33495	-2.84481	0.004987	0.195713
DRAM2	0.570297	2.844376	0.004994	0.195825
HES2;CAMTA1;CHD5;THAP3;ESPN	-0.35524	-2.84359	0.005006	0.195901

ENSG00000175898	-0.2487	-2.84472	0.004989	0.195741
BNIP1	-0.3374	-2.84561	0.004975	0.195497
	0.382224	2.845708	0.004974	0.195497
	0.292138	2.843079	0.005013	0.196039
	0.344452	2.844944	0.004985	0.195671
WDR45B;BAIAP2;SLC25A10;PCYT2	-0.37148	-2.84425	0.004996	0.195846
	-0.41368	-2.84644	0.004963	0.195332
	-0.16973	-2.84361	0.005005	0.195901
BAIAP2;PCYT2;RNF213	-0.32296	-2.8456	0.004975	0.195497
	0.228848	2.844526	0.004992	0.195791
	0.262283	2.84626	0.004966	0.195348
	0.129821	2.842921	0.005016	0.196104
	0.230256	2.84411	0.004998	0.195891
	0.164488	2.842327	0.005025	0.196255
HOXB3;SLC35B1;MIR10A;HOXB-AS2;HOXB4;NXPH3;HOXB6	-0.33493	-2.84459	0.004991	0.195771
	0.295542	2.844248	0.004996	0.195846
	0.491909	2.845517	0.004977	0.195497
	0.263432	2.843562	0.005006	0.195901
ENSG00000267554;C17orf66	-0.23589	-2.84314	0.005012	0.196026
IL27RA	0.250074	2.845032	0.004984	0.195638
	0.231254	2.84187	0.005031	0.196317
PITPNC1;PRKCA	0.416154	2.843761	0.005003	0.1959
DPP3;YIF1A;ENSG00000255468	0.294963	2.84514	0.004982	0.195601
GIMAP8;ATG9B	0.285437	2.843458	0.005008	0.195914
TRAF3IP1;MLPH;LINC01107;COL6A3;RAB17;LRRFIP1	-0.36006	-2.84441	0.004993	0.195825
HOXB4;MIR10A;ABI3;HOXB6;PRR15L;TBKBP1;HOXB3;GNGT2;S				
KAP1;HOXB-AS2;NPEPPS	-0.39714	-2.84517	0.004982	0.195601
	0.356079	2.842231	0.005026	0.196279
ZNF239;RASGEF1A	-0.38166	-2.84485	0.004987	0.195707
CRTC3	-0.36103	-2.84237	0.005024	0.196255
	0.385086	2.84355	0.005006	0.195901
	-0.43838	-2.84217	0.005027	0.196279
	0.243807	2.840254	0.005056	0.196634
	-0.46894	-2.84354	0.005006	0.195901
FOXF1;FOXL1;CRISPLD2;FENDRR	0.306487	2.843823	0.005002	0.1959
PRDM6	0.247204	2.842677	0.005019	0.196193
	0.225701	2.843062	0.005013	0.196039
SKI;PRKCZ;VWA1	-0.33185	-2.84438	0.004994	0.195825
	0.231847	2.843787	0.005003	0.1959
CARS	0.18983	2.843675	0.005004	0.195901
KIAA0947	-0.44966	-2.84236	0.005024	0.196255
	0.175518	2.841907	0.005031	0.196317
	-0.21228	-2.84329	0.00501	0.195994
PITPNC1;ABCA10;ENSG00000267731;C17orf58;ABCA9;ABCA6	-0.41184	-2.84116	0.005042	0.196509
	-0.2534	-2.83886	0.005077	0.196936

	0.394773	2.843909	0.005001	0.1959
	0.311196	2.84236	0.005024	0.196255
	-0.20398	-2.84053	0.005052	0.196634
CTTN	0.319921	2.842401	0.005023	0.196255
TNXB;C6orf10;DDR1;SLC44A4;NOTCH4;CLIC1;HSPA1A;BAG6;NE				
LFE	-0.36204	-2.84371	0.005004	0.195901
ITGA9	-0.49356	-2.8368	0.005108	0.197436
AGBL4	-0.22198	-2.84097	0.005045	0.196554
	0.211466	2.842719	0.005019	0.196187
	-0.40712	-2.84286	0.005017	0.196125
PTGDS	-0.36961	-2.84348	0.005007	0.195914
ENSG00000196674;SOX8	-0.19699	-2.84051	0.005052	0.196634
	0.294262	2.842352	0.005024	0.196255
	0.258343	2.840009	0.00506	0.19667
	-0.21966	-2.83989	0.005061	0.19667
	0.264244	2.839482	0.005067	0.196805
RPS6KA1;FAM110D	0.238607	2.841765	0.005033	0.196317
	0.364001	2.843186	0.005012	0.19602
	0.291979	2.841452	0.005038	0.196393
ADCY10P1	-0.24713	-2.84252	0.005022	0.196248
	-0.23587	-2.84111	0.005043	0.196521
	0.335836	2.842154	0.005027	0.196279
	0.260972	2.840841	0.005047	0.196561
ABCB10	0.281865	2.839525	0.005067	0.196805
GPR133;POLE	-0.50858	-2.84103	0.005044	0.196534
	0.422	2.841804	0.005032	0.196317
TMCO3	0.233653	2.841585	0.005036	0.196375
	-0.25175	-2.84192	0.005031	0.196317
SOWAHA	0.322134	2.840831	0.005047	0.196561
NAP1L4;TSPAN32;C11orf21;IGF2;MRPL23;CARS	-0.30181	-2.84034	0.005054	0.196634
	-0.2413	-2.84128	0.00504	0.196456
	0.289491	2.842135	0.005027	0.196279
	0.298916	2.84103	0.005044	0.196534
	0.463181	2.841602	0.005035	0.196375
	0.358337	2.838802	0.005078	0.196937
	0.36532	2.841344	0.005039	0.196438
MYO9A;THAP10	-0.37138	-2.84001	0.00506	0.19667
CAP2;STMND1;RPL7P26;RBM24	-0.31143	-2.84033	0.005055	0.196634
	0.242503	2.840823	0.005047	0.196561
	0.475157	2.841793	0.005033	0.196317
	-0.19441	-2.84202	0.005029	0.196294
	-0.20472	-2.83924	0.005071	0.196874
	-0.2516	-2.84156	0.005036	0.196375
	0.274723	2.840673	0.005049	0.196583
EXOC3L4	-0.44601	-2.84031	0.005055	0.196634
	0.47936	2.842081	0.005028	0.19629
	0.334	2.838596	0.005081	0.196982

ENSG00000243696;TKT	-0.27668	-2.83974	0.005064	0.196735
RAB40B	-0.31592	-2.84205	0.005029	0.19629
	0.470001	2.839293	0.00507	0.196874
KDELR2	0.212886	2.841774	0.005033	0.196317
	0.153486	2.84027	0.005056	0.196634
	-0.29908	-2.83961	0.005066	0.196796
	-0.36423	-2.84151	0.005037	0.196375
INPP5D	0.288859	2.841524	0.005037	0.196375
RNASEL;KIAA1614	-0.3573	-2.84083	0.005047	0.196561
	0.312545	2.840098	0.005058	0.19667
	0.231576	2.840801	0.005048	0.196561
	-0.26376	-2.83799	0.00509	0.197161
SLC4A11	-0.28956	-2.83995	0.00506	0.19667
	0.259437	2.839473	0.005068	0.196805
	0.340564	2.840751	0.005048	0.196572
	-0.3459	-2.83913	0.005073	0.196901
	-0.20907	-2.83923	0.005071	0.196874
	-0.17546	-2.83908	0.005074	0.19691
TFAP2C;RAE1;ZBP1	0.593275	2.840426	0.005053	0.196634
	-0.34576	-2.83991	0.005061	0.19667
	0.272109	2.839896	0.005061	0.19667
SPIRE2;PIEZO1;CBFA2T3;GAS8;ENSG00000260259	-0.34423	-2.83761	0.005096	0.197223
	0.271045	2.836301	0.005116	0.197603
STK32A	-0.41671	-2.84025	0.005056	0.196634
POU2AF1;BTG4;ENSG00000255093;ENSG00000255208	-0.2817	-2.83865	0.00508	0.196982
CD8A	0.31778	2.84043	0.005053	0.196634
	0.406101	2.838009	0.00509	0.197161
	0.423418	2.84014	0.005058	0.19667
	0.258166	2.838031	0.00509	0.197161
	0.283455	2.838478	0.005083	0.19702
	0.313483	2.838607	0.005081	0.196982
	0.456274	2.840682	0.005049	0.196583
ADORA2B;TRIM16;PMP22;ZNF287;ENSG00000226145;CDRT1; ZSWIM7	-0.43054	-2.83889	0.005076	0.196931
MRGPRF;TPCN2	-0.41392	-2.83929	0.00507	0.196874
	0.298693	2.839476	0.005068	0.196805
MTATP6P1;FAM41C	0.381597	2.83703	0.005105	0.19737
	-0.25812	-2.83777	0.005093	0.197179
	0.259517	2.839171	0.005072	0.196894
	-0.26667	-2.83706	0.005104	0.19737
CLDN3;WBSCR27;WBSCR22;ABHD11;CLDN4	0.277451	2.840291	0.005055	0.196634
	0.332919	2.838952	0.005076	0.196925
	0.26114	2.837955	0.005091	0.197163
	0.378824	2.839053	0.005074	0.19691
	-0.25764	-2.83741	0.005099	0.197254
	0.423038	2.837193	0.005102	0.197327

CDIP1;CLUAP1;ENSG00000262370;CREBBP;ENSG00000263011				
;C16orf71;SRL;SMIM22;GLIS2	-0.433	-2.83356	0.005158	0.198216
ZNF487;ENSG00000236114	0.90517	2.838998	0.005075	0.196924
	0.266306	2.837788	0.005093	0.197179
IRX2;MRPL36;NDUFS6	-0.44372	-2.83879	0.005078	0.196937
KIAA1551	0.315308	2.838429	0.005083	0.19702
	0.328772	2.839981	0.00506	0.19667
	-0.3093	-2.83777	0.005093	0.197179
	0.348064	2.837015	0.005105	0.19737
	0.271584	2.838171	0.005087	0.197107
	-0.32319	-2.83667	0.00511	0.197491
MFAP4;ALDH3A2;SLC47A1;B9D1;DHRS7B;KRT16P3;MAPK7	0.361179	2.837279	0.005101	0.197312
	0.296644	2.838422	0.005084	0.19702
	0.40399	2.838684	0.00508	0.196982
	0.253441	2.840065	0.005059	0.19667
	0.230112	2.835453	0.005129	0.197801
	0.301683	2.835108	0.005134	0.19788
	0.301362	2.835517	0.005128	0.197784
	-0.35569	-2.83835	0.005085	0.19702
	0.175773	2.837735	0.005094	0.197179
SNPH;SIRPA	0.238986	2.837903	0.005091	0.197176
ADAMTS2;RNF130;COL23A1;ZNF354C;MAML1;ENSG00000245				
317;CANX	-0.33465	-2.83836	0.005085	0.19702
ENSG00000231789;PIK3CD;CASZ1	0.395159	2.838376	0.005084	0.19702
	0.143957	2.837489	0.005098	0.197224
	0.231608	2.836141	0.005118	0.197638
ENSG00000250790;POLE	-0.2681	-2.83394	0.005152	0.19818
SPATA5L1;SLC28A2;GATM	-0.49769	-2.83752	0.005097	0.197223
	0.197503	2.834853	0.005138	0.197905
ENSG00000246422	-0.40223	-2.83755	0.005097	0.197223
ANO2;VWF;DYRK4	-0.30181	-2.83576	0.005124	0.197709
	-0.27241	-2.8368	0.005108	0.197436
	-0.2589	-2.83894	0.005076	0.196925
	0.325198	2.837526	0.005097	0.197223
	-0.30826	-2.83772	0.005094	0.197179
LINGO4	-0.32463	-2.83551	0.005128	0.197784
RBMS3;TGFBR2;GADL1;ENSG00000203652	0.510849	2.837208	0.005102	0.197327
	-0.27933	-2.83605	0.00512	0.197638
	0.176852	2.835912	0.005122	0.197672
GPR133;ENSG00000256151	-0.43518	-2.83601	0.00512	0.197638
	0.39391	2.834927	0.005137	0.197897
ENSG00000263120	0.250799	2.834814	0.005139	0.197911
	0.359007	2.837768	0.005094	0.197179
	0.201738	2.836014	0.00512	0.197638
ZNF165;HCG14	-0.29141	-2.83653	0.005112	0.197523
	-0.23849	-2.837	0.005105	0.19737

	0.289663	2.832321	0.005177	0.198556
	0.262468	2.836602	0.005111	0.197497
	-0.27501	-2.83687	0.005107	0.19743
	-0.23724	-2.83357	0.005158	0.198216
	0.585186	2.836628	0.005111	0.197497
	0.320474	2.834314	0.005146	0.198046
E2F2;GALE	-0.39429	-2.83611	0.005119	0.197638
NOTUM;CCDC57;BAIAP2	-0.27336	-2.83333	0.005161	0.198306
XPNPEP3	-0.28676	-2.83642	0.005114	0.19755
	0.375129	2.835773	0.005124	0.197709
TOR3A;RALGPS2;SOAT1	0.22295	2.835165	0.005133	0.19787
LOH12CR1;TAS2R30;LRP6	-0.38597	-2.83283	0.005169	0.198391
	0.253809	2.83614	0.005118	0.197638
	-0.15982	-2.83372	0.005155	0.198206
CRY2	0.259104	2.836428	0.005114	0.19755
	0.362879	2.834746	0.00514	0.197915
	0.293183	2.832726	0.005171	0.198434
SLC44A4;NOTCH4;CLIC1;TNXB;NELFE;HSPA1B;HCP5;HSPA1A;D				
DR1;TAP2;GPSM3	-0.36047	-2.83524	0.005132	0.19787
EIF5A2	-0.40603	-2.83289	0.005168	0.198391
	0.162552	2.833009	0.005166	0.198373
	0.336958	2.832141	0.00518	0.198569
BCO2;BTG4;PIH1D2;MIR34C;TTC12	-0.26458	-2.83368	0.005156	0.198206
	0.19392	2.836021	0.00512	0.197638
	0.195512	2.83377	0.005155	0.198206
	-0.2808	-2.83372	0.005156	0.198206
CNNM4	-0.42184	-2.83516	0.005133	0.19787
	0.285785	2.835331	0.005131	0.19784
	-0.38924	-2.83533	0.005131	0.19784
	0.139178	2.832245	0.005178	0.198569
	-0.19012	-2.83558	0.005127	0.197784
	0.249216	2.833898	0.005153	0.198185
CSF1;WDR47;C1orf194;PSMA5;LAMTOR5;SYPL2;KCNC4;ATXN7				
L2;KCNA2;GSTM5	-0.38557	-2.83319	0.005164	0.198352
CCDC40;TMC8;TIMP2;C1QTNF1;CBX2;USP36	0.386215	2.832175	0.005179	0.198569
	0.306022	2.835999	0.005121	0.197638
	0.243624	2.833545	0.005158	0.198216
	0.231329	2.834861	0.005138	0.197905
	0.324005	2.831858	0.005184	0.198637
	0.337597	2.834179	0.005148	0.198071
	-0.60873	-2.83056	0.005204	0.199068
	0.156264	2.832025	0.005182	0.198599
XPNPEP1	-0.27256	-2.83478	0.005139	0.197911
BAIAP2;SLC25A10;CCDC57	0.298833	2.832869	0.005169	0.198391
	0.416632	2.834584	0.005142	0.197957
	-0.23132	-2.83311	0.005165	0.198352
RUNX3	0.495085	2.835875	0.005122	0.197676

	0.325092	2.834665	0.005141	0.197945
	-0.2693	-2.83553	0.005128	0.197784
	0.318416	2.830986	0.005198	0.198967
	-0.24999	-2.83494	0.005137	0.197897
	0.385663	2.834213	0.005148	0.19807
IFFO1;ANO2;VWF;NTF3;SCNN1A;CLSTN3;LEPREL2;C1R;ENSG00000257084;RBP5;LRRC23;C1S;ATN1;PTMS;CD9;CD27-AS1;GPR162;C1RL;C1RL-AS1;GNB3;CD27	-0.40686	-2.83447	0.005144	0.198002
	-0.24909	-2.83459	0.005142	0.197957
	0.171672	2.834356	0.005146	0.198039
	-0.25078	-2.83496	0.005136	0.197897
	0.383133	2.835155	0.005133	0.19787
TMEM255B;TMCO3	-0.59056	-2.83184	0.005184	0.198637
ACACB;ARPC3;PPTC7;KCTD10	-0.3751	-2.83415	0.005149	0.198071
GIMAP5;WDR86-AS1;ATG9B;NOS3	-0.24549	-2.83422	0.005148	0.19807
APOL3	0.345117	2.835077	0.005135	0.19788
	0.323824	2.83235	0.005177	0.198556
	0.271483	2.829607	0.005219	0.199269
	0.325014	2.834938	0.005137	0.197897
CCDC33;SEMA7A	-0.28621	-2.83212	0.00518	0.198569
TMEM117	-0.18735	-2.83164	0.005188	0.198738
MISP;HMHA1;ARID3A	-0.39779	-2.83343	0.00516	0.198267
	-0.17827	-2.83365	0.005157	0.198206
ITGAE	-0.3998	-2.83445	0.005144	0.198002
COL1A1;NXPH3;ENSG00000248954;MYCBPAP;FAM117A;SGCA;PPP1R9B;LRRC59;EPN3;CACNA1G	-0.40584	-2.83211	0.00518	0.198569
	0.212439	2.832828	0.005169	0.198391
	0.243187	2.833117	0.005165	0.198352
PRKCH;ENSG00000258926	-0.34007	-2.83371	0.005156	0.198206
	-0.25167	-2.8337	0.005156	0.198206
EFEMP2;LTBP3;NAALADL1;ENSG00000255468;CD248;YIF1A;TM7SF2;CST6;PYGM;RNASEH2C;SF3B2;SIPA1	-0.33111	-2.83302	0.005166	0.198373
	0.344992	2.831955	0.005183	0.198623
PRPH	-0.29805	-2.83135	0.005192	0.198874
	-0.22113	-2.83231	0.005177	0.198556
ZNF493	0.289553	2.830618	0.005203	0.199068
ARHGEF38;CXXC4;ARHGEF38-IT1;INTS12;ENSG00000250522;NPNT	-0.47455	-2.83139	0.005192	0.198871
	-0.31676	-2.8331	0.005165	0.198352
	-0.2499	-2.83246	0.005175	0.198543
C1orf222	0.212807	2.830862	0.0052	0.198986
RNF144A	-0.32881	-2.83132	0.005193	0.198874
	0.260286	2.832678	0.005172	0.198444
	0.220794	2.830866	0.0052	0.198986
	0.319839	2.832452	0.005175	0.198543
MDM4	-0.30397	-2.83001	0.005213	0.199176
ENSG00000251034	-0.23444	-2.83193	0.005183	0.198623

KANK3;ADAMTS10	-0.31085	-2.83055	0.005205	0.199068
	-0.1911	-2.83056	0.005204	0.199068
	-0.27367	-2.83108	0.005196	0.198946
	0.326071	2.830057	0.005212	0.199176
	0.38838	2.832829	0.005169	0.198391
	0.25479	2.829491	0.005221	0.199303
	0.275354	2.832416	0.005176	0.198546
RHPN1-AS1;FAM83H-AS1;BAI1;TOP1MT;MAPK15;PYCRL;PSCA;RHPN1;ENSG00000254973;LY6H;EEF1D;C8orf31	-0.29381	-2.83028	0.005209	0.199153
	0.287761	2.830486	0.005206	0.199085
	-0.26498	-2.83313	0.005165	0.198352
	0.331114	2.829664	0.005218	0.199263
TMEM66;DUSP4;FZD3;LINC00589;LEPROTL1;FBXO16;TUBBP1;RBPMS	-0.49135	-2.82789	0.005246	0.199668
	-0.23701	-2.83016	0.005211	0.19917
	-0.31869	-2.82766	0.00525	0.199682
	0.370356	2.830235	0.005209	0.199153
LHPP;FANK1	0.369567	2.832159	0.00518	0.198569
NXPH3;COL1A1	0.191304	2.829167	0.005226	0.199335
	0.178237	2.83112	0.005196	0.198946
	0.25314	2.830994	0.005198	0.198967
CD44;SLC1A2;ELF5;ENSG00000255443;ENSG00000184566;HIPK3	-0.39934	-2.82939	0.005223	0.199335
MOK;HSP90AA1;TECPR2;SNORA28;ENSG00000259508;ZNF839	-0.25698	-2.82881	0.005232	0.199443
	0.290541	2.827508	0.005252	0.199718
	0.320306	2.829885	0.005215	0.199197
	0.260335	2.828734	0.005233	0.199448
TESPA1;TENC1;ITGA5;PDE1B;NCKAP1L	0.325318	2.827717	0.005249	0.199681
	0.296925	2.831081	0.005196	0.198946
	-0.25069	-2.8311	0.005196	0.198946
LINC00641	0.361862	2.830545	0.005205	0.199068
CNTN2;DYRK3;NUAK2;C1orf186	-0.40509	-2.82995	0.005214	0.199187
GLYR1;SMIM22	0.29296	2.829284	0.005224	0.199335
	0.244124	2.830812	0.0052	0.198998
	0.349191	2.825048	0.005291	0.200228
	-0.27066	-2.8286	0.005235	0.199478
	-0.13847	-2.82907	0.005227	0.199373
	0.219938	2.82956	0.00522	0.19928
HAAO;PLEKHH2;ENSG00000230587;DYNC2LI1;ENSG00000231826	-0.29364	-2.82758	0.005251	0.19969
SOX8;HN1L;CACNA1H;MSLN;MSRB1;BAIAP3;ENSG00000260807;PDPK1;IFT140;HAGH;RNPS1;UBE2I;UNKL;CASKIN1	-0.70389	-2.82927	0.005224	0.199335
	0.231545	2.82981	0.005216	0.199202
CD6;CD5;SLC15A3	0.274737	2.830934	0.005199	0.198979

	0.269913	2.830222	0.00521	0.199153
	0.363021	2.829193	0.005226	0.199335
	0.264593	2.829028	0.005228	0.199382
	-0.26205	-2.82921	0.005225	0.199335
ITGAL;CORO1A;SPN;C16orf93;ENSG00000261690;QPRT	-0.36421	-2.82716	0.005257	0.199815
ZNF532	-0.32042	-2.82849	0.005237	0.199526
ENSG00000224387;CEP104	-0.34153	-2.82663	0.005266	0.199873
	0.2523	2.830004	0.005213	0.199176
	0.177011	2.828946	0.005229	0.199396
	0.231638	2.830118	0.005211	0.199176
	-0.26082	-2.82894	0.005229	0.199396
CTSW	-0.38887	-2.83025	0.005209	0.199153
	-0.20075	-2.82617	0.005273	0.199923
	0.412265	2.828306	0.005239	0.199562
	-0.27115	-2.82774	0.005248	0.199681
	-0.308	-2.82935	0.005223	0.199335
	-0.22764	-2.82874	0.005233	0.199448
	0.287395	2.830057	0.005212	0.199176
	0.259987	2.825992	0.005276	0.199947
	-0.32229	-2.82965	0.005219	0.199263
	0.285757	2.827124	0.005258	0.199815
	-0.30575	-2.83026	0.005209	0.199153
	-0.21724	-2.82924	0.005225	0.199335
	-0.27474	-2.82715	0.005257	0.199815
PPP1R18;DDR1;TNXB;SLC44A4;C4A;NELFE;FKBPL;CLIC1;PPP1R1				
0;PSORS1C3;HLA-E;HSPA1B	-0.3227	-2.82791	0.005246	0.199668
	-0.26194	-2.82868	0.005234	0.199448
IKZF4	0.227076	2.829879	0.005215	0.199197
	-0.2412	-2.82705	0.005259	0.199815
MRPS31P5	-0.21356	-2.82836	0.005239	0.199562
DNAJA4;CTSH;ACSBG1;IDH3A;WDR61;RASGRF1;ADAMTS7;TBC				
1D2B	-0.40427	-2.82603	0.005275	0.199947
C2orf62;IGFBP2;TNS1;ENSG00000232485;CTDSP1;ENSG00000				
236295	0.338835	2.827202	0.005257	0.199815
	0.45042	2.828004	0.005244	0.199668
	0.38081	2.826302	0.005271	0.199909
	-0.58648	-2.82797	0.005245	0.199668
	-0.22191	-2.82762	0.00525	0.199688
	-0.24934	-2.82881	0.005232	0.199443
FGFR4;ARL10;PDLIM7;TSPAN17;LMAN2;DBN1	-0.38137	-2.82808	0.005243	0.199659
	-0.2782	-2.82665	0.005265	0.199873
RPL17P17	0.400408	2.828042	0.005244	0.199666
	0.248341	2.82983	0.005216	0.199202
	0.245928	2.82687	0.005262	0.199849
GPATCH8;KANSL1;EFTUD2;ENSG00000266918;LRRC37A;HIGD1				
B;GJC1;MAPT;DND1P1	-0.44686	-2.82788	0.005246	0.199668
MAP3K19;MCM6;MGAT5;UBXN4	-0.53446	-2.82707	0.005259	0.199815

	0.165311	2.82786	0.005246	0.199668
	0.120468	2.82645	0.005269	0.199899
B3GNT7;PSMD1	-0.39606	-2.82868	0.005234	0.199448
	0.187884	2.827192	0.005257	0.199815
THNSL2	-0.38696	-2.82769	0.005249	0.199681
	-0.28895	-2.82653	0.005267	0.199873
	-0.38074	-2.82831	0.005239	0.199562
PEAR1;MUC1;SLC50A1;ASH1L;NES;SMG5;FLAD1;MTX1;SYT11;RAB25;LAMTOR2;HDGF;MEF2D	-0.35372	-2.82654	0.005267	0.199873
PBLD;TSPAN15;TYSND1;STOX1;COL13A1;ENSG00000260400;TET1;RUFY2	-0.29218	-2.8268	0.005263	0.199873
ENSG00000238120;FBLN1;WNT7B;RIBC2;CERK	0.283023	2.827767	0.005248	0.199681
EPB41L1;TGIF2;MYL9;SOGA1;ENSG00000232907;DLGAP4	-0.32063	-2.82844	0.005237	0.199537
CDC42BPG;HRASLS2;PYGM;TM7SF2;C11orf95;NAA40;NRXN2;ATL3;GPR137;PRDX5;MAP4K2	-0.53577	-2.82659	0.005266	0.199873
PDE6B;FGFR3;ENSG00000272927;RNF212;ENSG00000273179	-0.44291	-2.82637	0.00527	0.199899
	-0.21853	-2.82266	0.005328	0.200754
EXOC3L2;NOVA2;ERCC1;RELB;CEACAM19;GIPR;ZNF227;PPM1N	-0.26227	-2.82775	0.005248	0.199681
	0.289153	2.825991	0.005276	0.199947
CYP4Z2P;ENSG00000235105;CYP4A11;PPP1R8P1	-0.24035	-2.82594	0.005277	0.199959
ATP6V0A1	0.345011	2.826542	0.005267	0.199873
SLA2;EPB41L1	0.370183	2.826706	0.005265	0.199873
ZNF876P;ZNF732;ENSG00000251188	0.38365	2.82732	0.005255	0.199794
PLEKHA2	0.228046	2.826924	0.005261	0.199843
SLC25A27;TNFRSF21;GPR116	0.263043	2.826254	0.005272	0.199914
	-0.74033	-2.82926	0.005225	0.199335
	-0.35318	-2.82549	0.005284	0.20012
	-0.21388	-2.82615	0.005273	0.199923
CSPG4;ISLR;COX5A	0.291842	2.825819	0.005278	0.200004
ERN2	0.329925	2.828171	0.005242	0.199625
	0.317147	2.826994	0.00526	0.199829
ENSG00000163075;INHBB;RALB;GLI2	-0.2705	-2.82321	0.00532	0.200652
NKD1;ENSG00000260029;ENSG00000261685	0.317302	2.824581	0.005298	0.200315
	0.330104	2.82599	0.005276	0.199947
CACNA1G;MYCBPAP	-0.43993	-2.82308	0.005322	0.200652
	0.230428	2.824188	0.005304	0.2004
	0.407372	2.824665	0.005297	0.200315
	0.249214	2.825696	0.00528	0.200052
PCAT1	-0.4183	-2.8274	0.005254	0.199766
	-0.29402	-2.82656	0.005267	0.199873
	-0.34163	-2.8271	0.005258	0.199815
SNRNP48	0.387871	2.825039	0.005291	0.200228
	0.238025	2.824989	0.005292	0.200228
MLLT4	-0.33727	-2.82466	0.005297	0.200315
	-0.15982	-2.82459	0.005298	0.200315

ANKH;TRIO;DNAH5	0.288828	2.823454	0.005316	0.200645
	0.186965	2.822761	0.005327	0.200754
	-0.35391	-2.82659	0.005266	0.199873
	0.242447	2.826419	0.005269	0.199899
	-0.4338	-2.82424	0.005303	0.200389
	-0.20257	-2.82581	0.005279	0.200004
	-0.27634	-2.82638	0.00527	0.199899
AKR7A2;KLHDC7A	0.31356	2.822311	0.005334	0.200774
	-0.20795	-2.82242	0.005332	0.200774
	-0.20227	-2.82691	0.005261	0.199843
CAPN2;TP53BP2	-0.44034	-2.8232	0.00532	0.200652
LIX1L;ITGA10	0.248936	2.823665	0.005312	0.200554
MAP4K1	-0.32615	-2.82629	0.005271	0.199909
	0.355414	2.823584	0.005314	0.200585
	0.214147	2.824098	0.005306	0.20042
CARS	0.3362	2.825093	0.00529	0.200228
	0.495978	2.82444	0.0053	0.200315
ACOX2;ARF4;FAM3D;PDHB;PXK;C3orf67;ABHD6	-0.42694	-2.8256	0.005282	0.200071
	-0.24414	-2.82457	0.005298	0.200315
	0.323608	2.82506	0.00529	0.200228
	0.258111	2.825243	0.005288	0.200228
	-0.38206	-2.82511	0.00529	0.200228
	0.323194	2.824709	0.005296	0.200315
	0.272696	2.825618	0.005282	0.200071
SALL2;AJUBA	0.245086	2.826189	0.005273	0.199923
KCNQ1OT1	0.208416	2.824924	0.005293	0.200246
NOVA2;SNRPD2	-0.35628	-2.82527	0.005287	0.200228
ENSG00000261175;FOXF1	-0.37636	-2.82321	0.00532	0.200652
CHI3L1;PTPN7	0.339131	2.821168	0.005352	0.200966
DPF3	0.494234	2.82516	0.005289	0.200228
	-0.16489	-2.82216	0.005336	0.200774
	-0.23907	-2.82391	0.005308	0.200477
ENSG00000271318	-0.28283	-2.82279	0.005326	0.200754
TCTE1	0.288378	2.825037	0.005291	0.200228
	0.304874	2.824472	0.0053	0.200315
	0.341997	2.824161	0.005305	0.2004
ROBO4;FEZ1;ESAM;TMEM218;SPA17;PKNOX2;ROBO3	0.333724	2.82213	0.005337	0.200774
	0.282544	2.824462	0.0053	0.200315
TTC39A;DMRTA2	0.389624	2.824703	0.005296	0.200315
	0.209444	2.819463	0.005379	0.201336
KIF21B	0.352855	2.824431	0.0053	0.200315
	0.161668	2.821359	0.005349	0.200966
	0.219239	2.821	0.005355	0.200981
LRRC56;TSPAN4;IFITM3;CD151;DEAF1;IFITM1;MUC5AC;TALDO 1;ENSG00000254815;B4GALNT4;RASSF7	-0.57183	-2.82265	0.005329	0.200754
	-0.18202	-2.82292	0.005324	0.200715
NWD1;SSBP4;OCEL1;C19orf44	-0.36439	-2.8231	0.005321	0.200652

ENSG00000235096;NLRP3	0.276029	2.824545	0.005299	0.200315
	-0.20148	-2.82306	0.005322	0.200652
	0.326398	2.823144	0.005321	0.200652
HSPH1	0.335403	2.822691	0.005328	0.200754
	0.241309	2.822666	0.005328	0.200754
TSNAXIP1;SMPD3;TANGO6;SNTB2;RANBP10;ZFP90;HAS3;NQO1;CDH3;SLC12A4	-0.41001	-2.81947	0.005379	0.201336
	0.143645	2.82381	0.00531	0.200504
	0.235607	2.823282	0.005319	0.200652
	-0.43311	-2.82211	0.005337	0.200774
	-0.28465	-2.82373	0.005311	0.200534
MTMR9LP;FNDC5;S100PBP;HDAC1;SERINC2;LCK	-0.43019	-2.82442	0.0053	0.200315
	0.213168	2.822203	0.005336	0.200774
	0.35448	2.82282	0.005326	0.200754
RNF144A	-0.3017	-2.82202	0.005339	0.200814
	-0.34444	-2.82498	0.005292	0.200228
GARNL3	-0.26098	-2.82342	0.005316	0.200648
	0.332635	2.821266	0.005351	0.200966
	0.335077	2.824019	0.005307	0.20045
	0.363274	2.823076	0.005322	0.200652
	0.259968	2.823118	0.005321	0.200652
KCNE1;ENSG00000243627;CLIC6;ENSG00000273104;ENSG00000272958	-0.45529	-2.81985	0.005373	0.201254
	-0.27196	-2.82052	0.005362	0.201118
	-0.43231	-2.82436	0.005301	0.200332
	-0.58567	-2.82387	0.005309	0.200488
DNMBP;ENTPD7;ERLIN1;HPSE2;GOT1;BLOC1S2	-0.37522	-2.82333	0.005318	0.200652
TSPAN32;TSPAN4;TALDO1	-0.56219	-2.82396	0.005308	0.20047
DHX32;BCCIP;FANK1;ADAM12;FANK1-AS1	-0.32824	-2.82215	0.005336	0.200774
	-0.22084	-2.82323	0.005319	0.200652
	0.280671	2.821657	0.005344	0.200941
	-0.25153	-2.82224	0.005335	0.200774
TSPAN4;IFITM3;LRRC56;IFITM1;EFCAB4A;B4GALNT4;MRPL23;DEAF1;MUC5AC;ENSG00000254815	-0.38864	-2.81864	0.005392	0.2016
	0.228382	2.821098	0.005353	0.200966
	-0.35476	-2.82256	0.00533	0.200774
WNT9A;GJC2;IBA57	-0.32129	-2.82213	0.005337	0.200774
	-0.31661	-2.82016	0.005368	0.201191
	0.260842	2.820941	0.005356	0.200998
	0.316203	2.821609	0.005345	0.200952
TMEM254;DYDC2;DYDC1;SFTPD	-0.36702	-2.82052	0.005362	0.201118
	-0.32498	-2.82152	0.005346	0.200966
	0.30252	2.820675	0.00536	0.201118
	0.306156	2.821054	0.005354	0.200966
	0.223463	2.821902	0.00534	0.200847
ENSG00000223764;SKI;FAM41C;ANKRD65	0.216102	2.820301	0.005366	0.201152
CALM2;EPCAM;ENSG00000234690;FBXO11	-0.33349	-2.82108	0.005354	0.200966

NRN1	0.388756	2.821478	0.005347	0.200966
	0.27251	2.822255	0.005335	0.200774
	-0.382	-2.82221	0.005336	0.200774
SCARB1;ZNF664	-0.30877	-2.82057	0.005362	0.201118
	0.382884	2.820781	0.005358	0.201077
CILP	0.259558	2.820592	0.005361	0.201118
	0.20144	2.822556	0.00533	0.200774
	0.286077	2.817414	0.005412	0.201922
	-0.21508	-2.82107	0.005354	0.200966
	-0.34214	-2.82249	0.005331	0.200774
S100A6;S100A11;THEM4;ILF2;SNAPIN;NPR1;S100A14;S100A16;S100A13;S100A9;S100A10	-0.33801	-2.82189	0.005341	0.200847
	-0.28778	-2.82034	0.005365	0.201152
	0.243764	2.818819	0.00539	0.201531
	0.311003	2.821303	0.00535	0.200966
	-0.40328	-2.82114	0.005353	0.200966
HLA-DMB	0.293531	2.817721	0.005407	0.201871
RAB3IL1;LRRN4CL;C11orf48;FADS3;FADS2	-0.27497	-2.82144	0.005348	0.200966
	-0.29451	-2.82235	0.005333	0.200774
	-0.19432	-2.81846	0.005395	0.201674
GNG7;LMNB2	-0.52494	-2.82246	0.005332	0.200774
S1PR4;MOB3A;ADAMTSL5;PLEKHJ1	-0.26543	-2.81509	0.00545	0.202341
	-0.33666	-2.82244	0.005332	0.200774
PLXDC1;ENSG00000264198;IKZF3;ERBB2;IGFBP4;KRT39;MED24	-0.33514	-2.8211	0.005353	0.200966
PLEKHH2;COX7A2L	-0.35149	-2.82184	0.005341	0.200847
	0.334119	2.81993	0.005372	0.201254
	-0.33285	-2.82185	0.005341	0.200847
	0.198296	2.821418	0.005348	0.200966
	0.290215	2.82033	0.005365	0.201152
	0.309177	2.819764	0.005374	0.201262
	0.27513	2.819802	0.005374	0.201257
	-0.33505	-2.81832	0.005398	0.201721
LPAR6	-0.37584	-2.81652	0.005427	0.202116
	-0.2751	-2.82039	0.005364	0.201149
SERPINB9;SLC22A23;ENSG00000272320;SERPINB6;FAM217A	0.550797	2.819434	0.00538	0.201336
	0.417175	2.817118	0.005417	0.201922
	-0.40303	-2.82043	0.005364	0.201147
	0.32451	2.821068	0.005354	0.200966
	0.340247	2.821231	0.005351	0.200966
	0.296583	2.821186	0.005352	0.200966
PTGDS;EGFL7;ENTPD8;LCNL1	-0.27959	-2.81789	0.005404	0.201836
	0.30577	2.815895	0.005437	0.202262
FCRL2;SH2D2A;FCRL3;FCRL5	-0.33361	-2.81966	0.005376	0.201292
	-0.2817	-2.81914	0.005384	0.201425
	0.305312	2.81918	0.005384	0.201418

	-0.36369	-2.8191	0.005385	0.20143
PSMG3;GPR146;CHST12;PRKAR1B;GPER1	0.24919	2.817971	0.005403	0.201825
	0.453379	2.818814	0.00539	0.201531
	0.325145	2.819655	0.005376	0.201292
PPAPDC1B;TACC1;FGFR1	0.287844	2.821068	0.005354	0.200966
	0.244546	2.820505	0.005363	0.201118
	-0.25234	-2.81871	0.005391	0.201575
	0.198959	2.81838	0.005397	0.201704
BCL11B	0.397442	2.820062	0.00537	0.201225
	-0.21088	-2.82058	0.005362	0.201118
	-0.27793	-2.82015	0.005368	0.201191
	0.163788	2.819882	0.005373	0.201254
	-0.21701	-2.81702	0.005419	0.201945
	0.301238	2.816462	0.005428	0.202127
ZNF831	-0.38013	-2.81984	0.005373	0.201254
C1QTNF2	0.30042	2.819608	0.005377	0.201302
	0.18361	2.819947	0.005372	0.201254
PTH1R;MAP4;IP6K2	-0.22622	-2.81935	0.005381	0.201361
	0.274414	2.819056	0.005386	0.201439
TC2N;NDUFB1;TTC7B;CALM1;ATXN3;ENSG00000260711;CPSF2				
;FBLN5;CATSPERB;SMEK1	-0.47687	-2.81769	0.005408	0.201871
RNF166	-0.60568	-2.8163	0.00543	0.202168
	0.364562	2.817833	0.005405	0.201855
	0.200871	2.817474	0.005411	0.201922
SLC52A2;ZNF250;EXOSC4;ZNF517	0.246189	2.81829	0.005398	0.201722
CCDC40;LRRC45;NOTUM;PCYT2;ENSG00000263069;PYCR1	-0.37972	-2.81477	0.005455	0.202341
DYNLL1;COX6A1;DYNLL1-AS1;UNC119B	0.252941	2.820213	0.005367	0.201187
	0.347537	2.819443	0.00538	0.201336
PLCE1;HHEX;KIF11;MYOF;CEP55	-0.4464	-2.81698	0.005419	0.201945
	-0.21752	-2.81991	0.005372	0.201254
	-0.32685	-2.81663	0.005425	0.202084
	0.257709	2.818458	0.005395	0.201674
	0.375347	2.819333	0.005381	0.201361
	0.261419	2.817247	0.005415	0.201922
RNF8	-0.22994	-2.81698	0.005419	0.201945
WBSCR22;ENSG00000232415;CLIP2;LINC00035;ABHD11;WBSC				
R27;CLDN3	-0.46233	-2.81791	0.005404	0.201836
	0.24572	2.817349	0.005413	0.201922
	-0.1971	-2.81889	0.005388	0.20152
	-0.32154	-2.81628	0.00543	0.202168
CSPG4	-0.26684	-2.81405	0.005467	0.202341
ECSCR;SLC23A1;IK;SPATA24;DNAJC18;CYSTM1;NRG2;TMEM17				
3;PAIP2;MZB1;TMCO6	-0.29977	-2.81691	0.00542	0.201968
	-0.36151	-2.8193	0.005382	0.201366
ARHGEF15;ATP1B2;NLGN2;MYH10;SLC2A4;VAMP2;ZBTB4;MP				
DU1;WRAP53;TNFSF12;NTN1	0.264486	2.813797	0.005471	0.202341

	-0.22916	-2.81503	0.005451	0.202341
	0.270692	2.818118	0.005401	0.20179
	0.294595	2.817743	0.005407	0.201871
GPRC5C;TSEN54	0.254091	2.817984	0.005403	0.201825
PSME2;SLC22A17;NFATC4;PSME1;ADCY4;EFS	0.219555	2.81763	0.005409	0.201871
COTL1;ENSG00000261471;ATP2C2;DNAAF1	0.279357	2.817344	0.005413	0.201922
C1orf222;TTLL10;ANKRD65;TTLL10-AS1;NOC2L;CALML6;MXRA8;PLEKHN1	-0.24148	-2.81814	0.005401	0.20179
TMEM241	-0.36484	-2.81687	0.005421	0.201973
	0.205785	2.817988	0.005403	0.201825
	-0.20928	-2.81541	0.005445	0.202341
MPEG1;MS4A1	-0.40262	-2.81532	0.005446	0.202341
SCEL	-0.52548	-2.81575	0.005439	0.202329
	0.336978	2.817194	0.005416	0.201922
GOT2;CIAPIN1;CNOT1;ENSG00000261270;RSPRY1	-0.39465	-2.81525	0.005447	0.202341
	0.219411	2.817635	0.005409	0.201871
	-0.33204	-2.81751	0.005411	0.201922
	0.389227	2.81716	0.005416	0.201922
	-0.43984	-2.81423	0.005464	0.202341
	-0.50189	-2.81739	0.005413	0.201922
	-0.24345	-2.81277	0.005487	0.202579
LAX1	-0.50597	-2.81765	0.005408	0.201871
	0.169507	2.816107	0.005433	0.202188
	-0.36254	-2.81501	0.005451	0.202341
	0.299281	2.817105	0.005417	0.201922
	0.253487	2.815536	0.005442	0.202341
ZNF57;AES;MATK;ANKRD24;GNA11	-0.26468	-2.8173	0.005414	0.201922
	0.246878	2.81619	0.005432	0.202188
	0.213664	2.814429	0.00546	0.202341
	0.231776	2.816679	0.005424	0.202072
DOC2B;ENSG00000262003;ENSG00000262133	-0.36497	-2.81658	0.005426	0.202095
CAPN2	-0.36857	-2.8136	0.005474	0.202341
EPPIN;WFDC6;TOMM34;HSPD1P21;SYS1;ZNF663P;PKIG;WFDC3;SDC4;SLC35C2;PIGT;ENSG00000269549;ZNF335;WISP2;DNTTIP1	-0.34532	-2.81455	0.005458	0.202341
	0.363308	2.815099	0.00545	0.202341
MAP3K13;LIPH;CHRD;IGF2BP2;C3orf70;POLR2H	0.296481	2.814532	0.005459	0.202341
	-0.38104	-2.81476	0.005455	0.202341
ENSG00000261094	0.366859	2.814804	0.005454	0.202341
	0.295275	2.816076	0.005434	0.202188
MPDU1;ELP5;CLDN7;PHF23;ARHGEF15;TRAPPC1;ENSG00000270606;NLGN2;EIF5A;SLC2A4;ATP1B2	-0.30997	-2.81711	0.005417	0.201922
	0.35861	2.817106	0.005417	0.201922
	0.37527	2.815063	0.00545	0.202341
	0.399063	2.817244	0.005415	0.201922
SOX2-OT;SOX2	0.222247	2.813649	0.005473	0.202341
	0.236103	2.816434	0.005428	0.202127

FAM114A1	0.244307	2.816245	0.005431	0.202175
CD300LF;USH1G;FOXJ1;UBALD2;SMIM6;MRPL38;RAB37;GRB2;				
WBP2;RNF157-AS1	-0.27006	-2.81529	0.005446	0.202341
	0.165931	2.81242	0.005493	0.202591
	-0.15449	-2.81508	0.00545	0.202341
	-0.34646	-2.81528	0.005447	0.202341
	-0.35125	-2.81547	0.005443	0.202341
	-0.19362	-2.81539	0.005445	0.202341
RPS15A;ARL6IP1	0.312809	2.815651	0.005441	0.202341
	0.287309	2.814894	0.005453	0.202341
	0.302233	2.81613	0.005433	0.202188
	-0.30221	-2.81402	0.005467	0.202341
	0.303493	2.81555	0.005442	0.202341
TXNDC12	0.276969	2.814007	0.005467	0.202341
EHD3;DPY30;LCLAT1;SRD5A2	-0.31072	-2.81234	0.005494	0.202595
TCF19	-0.16364	-2.81609	0.005433	0.202188
CSMD2	-0.39539	-2.81432	0.005462	0.202341
	0.366947	2.815471	0.005444	0.202341
	-0.27205	-2.81512	0.005449	0.202341
	-0.35252	-2.81339	0.005477	0.202378
	0.328377	2.81488	0.005453	0.202341
MEGF6	0.29486	2.815216	0.005448	0.202341
	0.211237	2.81446	0.00546	0.202341
	-0.18549	-2.81384	0.00547	0.202341
	-0.28837	-2.81174	0.005504	0.202729
TPPP	0.33826	2.815988	0.005435	0.202223
	-0.26078	-2.81368	0.005473	0.202341
	0.248747	2.8136	0.005474	0.202341
	-0.43717	-2.8157	0.00544	0.202341
SH3BP4	-0.36966	-2.81385	0.00547	0.202341
	0.200198	2.813842	0.00547	0.202341
	0.16723	2.814865	0.005453	0.202341
PSMG3;GPR146;GPER1	0.293082	2.814442	0.00546	0.202341
	-0.32977	-2.81382	0.00547	0.202341
	0.270975	2.815548	0.005442	0.202341
SHROOM3;FAM47E;CDKL2;NAAA	-0.32089	-2.81135	0.005511	0.202785
	0.330898	2.814105	0.005466	0.202341
	-0.63015	-2.81461	0.005457	0.202341
	0.38023	2.814941	0.005452	0.202341
WDR19;C4orf19;FAM114A1;TBC1D1	-0.45225	-2.81384	0.00547	0.202341
	0.254625	2.816412	0.005428	0.202127
	-0.2873	-2.81515	0.005449	0.202341
	0.344326	2.814816	0.005454	0.202341
	-0.3223	-2.81364	0.005473	0.202341
	0.30078	2.815343	0.005446	0.202341
	0.310135	2.814107	0.005466	0.202341
	-0.3549	-2.81131	0.005511	0.202789

	-0.2325	-2.81483	0.005454	0.202341
KPNA7;ZKSCAN1;BAIAP2L1;STAG3;ENSG00000239521;ZNF3	0.306607	2.814315	0.005462	0.202341
CYP4F12;CYP4F3	-0.34727	-2.81409	0.005466	0.202341
	-0.27405	-2.81386	0.00547	0.202341
	0.339808	2.812545	0.005491	0.202589
	-0.24786	-2.8147	0.005456	0.202341
PDCD11	0.22277	2.813789	0.005471	0.202341
	0.244068	2.811289	0.005512	0.202789
PEX6	-0.39248	-2.81275	0.005488	0.202579
	0.220505	2.814358	0.005462	0.202341
	0.333621	2.814327	0.005462	0.202341
CAPS;CATSPERD;RFX2;HSD11B1L;PTPRS;MLLT1;TRIP10;C19orf7 0	-0.32095	-2.8094	0.005543	0.203301
	0.305114	2.810808	0.005519	0.202939
SEMA7A;PML	-0.36148	-2.81456	0.005458	0.202341
	0.376514	2.813736	0.005472	0.202341
	-0.24197	-2.81349	0.005476	0.202358
C11orf89	-0.30577	-2.81406	0.005466	0.202341
TSSC1	0.377687	2.810011	0.005533	0.20314
RPL41;CD63;ATP5B;ERBB3;RBMS2	-0.2825	-2.81343	0.005477	0.202375
	0.372492	2.814082	0.005466	0.202341
	0.282662	2.812964	0.005484	0.202532
	0.389007	2.814869	0.005453	0.202341
	0.22145	2.812686	0.005489	0.202579
	0.257871	2.811649	0.005506	0.202729
CMTM4;CES4A;CMTM3;CDH5	0.357573	2.814615	0.005457	0.202341
ENSG00000261104;MBOAT2	-0.31919	-2.81259	0.00549	0.202589
ENSG00000257252	-0.28412	-2.81201	0.0055	0.202706
	0.284673	2.812491	0.005492	0.202589
	-0.20639	-2.81237	0.005494	0.202591
ZNF44;PRDX2;ASNA1	0.130933	2.811887	0.005502	0.202708
GPR68	0.339645	2.812618	0.00549	0.202589
TSPAN32;C11orf21;ENSG00000255367	-0.45989	-2.8139	0.005469	0.202341
IGJ	-0.42128	-2.81217	0.005497	0.20264
LZTFL1;CDCP1	-0.41615	-2.81357	0.005474	0.202341
	0.839272	2.814122	0.005465	0.202341
UBE2H;ENSG00000238072	-0.36258	-2.81252	0.005491	0.202589
	0.263357	2.814477	0.00546	0.202341
	0.334254	2.809277	0.005545	0.203307
	0.221917	2.812713	0.005488	0.202579
TMPRSS4;IL10RA	-0.43855	-2.80955	0.00554	0.203297
RFX2;ENSG00000267589	0.470058	2.812997	0.005484	0.20253
C1orf189	0.279102	2.813008	0.005484	0.20253
	0.364025	2.813598	0.005474	0.202341
ENSG00000248954	-0.37917	-2.81352	0.005475	0.202357
	-0.36325	-2.81116	0.005514	0.202815

	0.207662	2.811952	0.005501	0.202708
	-0.22245	-2.81181	0.005503	0.202729
	-0.42101	-2.81253	0.005491	0.202589
	-0.34383	-2.81154	0.005507	0.202733
	0.278353	2.813283	0.005479	0.20241
	0.294396	2.812444	0.005493	0.202591
	-0.49265	-2.8133	0.005479	0.20241
	-0.20538	-2.8117	0.005505	0.202729
IL32;TPSB2;CCDC64B;ENSG00000205890;TPSD1;TPSAB1;UBE2I				
;FLYWCH1;HN1L;PAQR4	-0.20926	-2.81053	0.005524	0.203057
C14orf79	-0.24555	-2.8043	0.005627	0.20423
UBE2Q2P1;CSPG4P11;GOLGA6L5P	-0.23698	-2.80993	0.005534	0.203169
PRR15;TAX1BP1;CHN2	0.49068	2.813209	0.00548	0.202438
	0.249875	2.810696	0.005521	0.202989
	0.209939	2.81239	0.005494	0.202591
	0.530498	2.812221	0.005496	0.20263
	-0.29343	-2.81119	0.005513	0.202815
HN1L;ENSG00000205890;ENSG00000262370;HCFC1R1;PDPK1	0.206565	2.811735	0.005504	0.202729
	0.396962	2.811492	0.005508	0.202733
	0.168964	2.811928	0.005501	0.202708
	-0.36513	-2.81038	0.005526	0.203076
	0.316833	2.810179	0.00553	0.203091
UBL3;HSPH1	-0.24664	-2.81268	0.005489	0.202579
	-0.20998	-2.81038	0.005527	0.203076
HHIPL1	-0.26298	-2.80847	0.005558	0.203497
CCDC147	0.328728	2.812723	0.005488	0.202579
	0.184668	2.811487	0.005508	0.202733
C6orf10;SLC39A7	-0.24085	-2.80743	0.005575	0.203758
	0.205832	2.810909	0.005518	0.202895
ENSG00000244300;RUVBL1;RPN1;GATA2	-0.2957	-2.81147	0.005509	0.202733
	-0.33632	-2.81226	0.005496	0.202625
	0.218616	2.811529	0.005508	0.202733
PRTG;PYGO1;NEDD4	0.315602	2.808889	0.005551	0.203398
	-0.41624	-2.81021	0.005529	0.203087
	0.249267	2.812858	0.005486	0.202579
	0.138029	2.808792	0.005553	0.203403
SMC4	-0.27412	-2.81166	0.005506	0.202729
	0.154273	2.811658	0.005506	0.202729
	0.289719	2.811127	0.005514	0.202816
POTEI	0.317849	2.810341	0.005527	0.20308
	-0.36148	-2.80917	0.005546	0.203336
SMIM14;TLR1;TLR6;FAM114A1	-0.28401	-2.80816	0.005563	0.203596
	0.293129	2.807834	0.005568	0.203633
	-0.27881	-2.81098	0.005517	0.202867
TINAGL1;SDC3;COL16A1	-0.34974	-2.80898	0.00555	0.203395
CYP2B7P	0.278082	2.810218	0.005529	0.203087

	0.21065	2.809416	0.005542	0.203301
	0.389641	2.809851	0.005535	0.203201
	-0.40003	-2.81201	0.0055	0.202706
STK32B;EVC2;STX18;TMEM128	0.34183	2.810986	0.005517	0.202867
	-0.21843	-2.81189	0.005502	0.202708
	0.231202	2.810525	0.005524	0.203057
TBX18	0.369982	2.811227	0.005513	0.202808
INPP4A	-0.36962	-2.81162	0.005506	0.20273
RBM24;KDM1B	-0.37514	-2.80831	0.005561	0.203556
BAI1;FAM83H-AS1;GPIHBP1;RHPN1-AS1;C8orf31;TOP1MT;EEF1D;ZNF696	0.34875	2.807835	0.005568	0.203633
	0.297589	2.808541	0.005557	0.203485
	-0.19586	-2.80978	0.005536	0.203218
	-0.16506	-2.80913	0.005547	0.203339
	0.342235	2.809242	0.005545	0.203307
	0.203621	2.809572	0.00554	0.203297
	0.212149	2.810016	0.005532	0.20314
	0.277563	2.808554	0.005556	0.203485
	0.336301	2.80765	0.005571	0.203727
TACSTD2	-0.70358	-2.80946	0.005542	0.203301
	-0.29393	-2.80895	0.00555	0.203395
GIPC3;TJP3	-0.38066	-2.81027	0.005528	0.203087
GIPC3;GNA15;GNG7;TJP3;DAPK3;NFIC;TBXA2R;PIP5K1C	-0.43101	-2.80748	0.005574	0.203758
	-0.2154	-2.80742	0.005575	0.203758
	-0.30864	-2.80689	0.005584	0.203852
	0.321871	2.80968	0.005538	0.203252
	0.18861	2.808465	0.005558	0.203497
	0.252851	2.810413	0.005526	0.203076
TDRD10;SHE;JTB;MTX1;NPR1;ILF2;S100A6;ASH1L	-0.29404	-2.80905	0.005548	0.20337
	0.204517	2.807346	0.005576	0.203758
	0.243171	2.810388	0.005526	0.203076
BAIAP2;WDR45B	0.354478	2.809765	0.005537	0.203218
	0.390863	2.809332	0.005544	0.203307
	0.182821	2.80941	0.005542	0.203301
	0.232545	2.808691	0.005554	0.20343
	0.291668	2.805036	0.005615	0.204177
	0.226039	2.807589	0.005572	0.203729
	0.346685	2.808183	0.005563	0.203596
RUVBL1;CHCHD6;ENSG00000244300;GATA2;RPN1;MGLL	-0.3588	-2.80539	0.005609	0.204085
	0.399426	2.806965	0.005583	0.203845
	-0.58377	-2.79663	0.005756	0.205719
	0.258554	2.805985	0.005599	0.203985
	0.23348	2.808097	0.005564	0.203597
	-0.30608	-2.81022	0.005529	0.203087
	-0.36369	-2.80876	0.005553	0.203403
	-0.25435	-2.80603	0.005598	0.203985
	0.285306	2.808848	0.005552	0.203403

SLC45A1;CAMTA1;RERE	-0.53894	-2.80794	0.005567	0.203633
LRRC37A17P	0.255519	2.80931	0.005544	0.203307
	0.33001	2.806048	0.005598	0.203985
NRCAM;LAMB1	-0.5672	-2.80812	0.005564	0.203597
	0.364582	2.810065	0.005532	0.20314
ITGA7;GLS2;SMARCC2	0.225933	2.808019	0.005565	0.203626
	-0.3235	-2.80924	0.005545	0.203307
SSR4P1;ADARB1;COL6A2	-0.28823	-2.80361	0.005639	0.204383
	0.203768	2.806463	0.005591	0.20394
	-0.25391	-2.80699	0.005582	0.203845
TMPRSS2;SLC37A1;ENSG00000225431;PDE9A;RSPH1;TMPRSS3;LINC00111;C21orf128;RIPK4;TFF3;ENSG00000235772;LINC00479;ZNF295-AS1;UMODL1	-0.32883	-2.80451	0.005624	0.204219
TSTA3;BAI1;GPIHBP1;LYPD2;PSCA;LY6E	-0.40765	-2.80481	0.005619	0.204178
	0.325874	2.807602	0.005572	0.203729
ERCC1;PNMAL2;DACT3;GIPR;HIF3A;PTGIR;NOVA2;RELB;ENSG00000267348;EXOC3L2;MARK4;GEMIN7;MYPOP;PPM1N;EML2	-0.35407	-2.80569	0.005604	0.204042
TMEM204;HN1L;SOX8;MRPS34	0.399003	2.806916	0.005584	0.203852
	0.261245	2.804634	0.005621	0.204219
SLC11A1;WNT10A;CXCR2;CXCR2P1;ENSG00000223923;PNKD;CYP27A1;GMPPA	-0.36967	-2.80446	0.005624	0.204229
	-0.31657	-2.80575	0.005603	0.204042
	0.330843	2.809515	0.005541	0.203299
	-0.25298	-2.80684	0.005585	0.203852
	0.195393	2.805095	0.005614	0.204172
	-0.23736	-2.80491	0.005617	0.204178
	-0.25789	-2.8089	0.005551	0.203398
	0.196118	2.806185	0.005596	0.203985
PKIB	-0.39301	-2.80716	0.00558	0.203798
	0.157692	2.808775	0.005553	0.203403
ATG10-AS1	0.293127	2.806316	0.005593	0.203977
	0.356433	2.807102	0.00558	0.203815
PEAR1;NES;RAB25	-0.28089	-2.80792	0.005567	0.203633
ENSG00000272645	-0.35761	-2.80485	0.005618	0.204178
STAB1;NT5DC2;CACNA2D3;NEK4;GLT8D1;SFMBT1	0.252807	2.804261	0.005628	0.20423
	-0.44661	-2.80825	0.005561	0.203572
	-0.2855	-2.80726	0.005578	0.203758
	0.19357	2.807319	0.005577	0.203758
	0.261965	2.806999	0.005582	0.203845
	0.156475	2.807268	0.005578	0.203758
	0.310144	2.806014	0.005598	0.203985
	0.360305	2.806109	0.005597	0.203985
MYO5A;MYO5C	-0.37113	-2.80587	0.005601	0.204022
	-0.35753	-2.80648	0.005591	0.20394
	0.320961	2.807253	0.005578	0.203758
	0.276593	2.807879	0.005568	0.203633

RASA3	-0.33047	-2.80272	0.005653	0.204596
ZNF876P;WHSC1	0.378637	2.807326	0.005577	0.203758
	-0.26425	-2.80663	0.005588	0.203923
	0.219258	2.807918	0.005567	0.203633
BPGM	-0.3284	-2.80676	0.005586	0.203881
TAS2R20	0.474651	2.808325	0.00556	0.203556
	0.220957	2.80569	0.005604	0.204042
	-0.33076	-2.80392	0.005633	0.204358
	0.393711	2.807461	0.005575	0.203758
	-0.25306	-2.80685	0.005585	0.203852
	-0.29562	-2.80643	0.005592	0.203944
	0.290079	2.805256	0.005611	0.204113
	0.354025	2.805606	0.005605	0.204058
	0.350065	2.80603	0.005598	0.203985
	0.315755	2.804868	0.005618	0.204178
	0.222061	2.803704	0.005637	0.204383
	0.286487	2.805072	0.005614	0.204172
RER1;MEGF6;DFFB;TPRG1L;PLCH2	0.217457	2.806207	0.005595	0.203985
	-0.26794	-2.80666	0.005588	0.203923
IFT20;SUPT6H;MYO18A	-0.21247	-2.80581	0.005602	0.204022
	0.423134	2.804815	0.005618	0.204178
	0.198532	2.805139	0.005613	0.204167
SLC44A4;TNXB;DDR1;NOTCH4;HSPA1L;NELFE;CLIC1;LY6G5C;V				
WA7;HSPA1B;HSPA1A;C6orf10;BAG6;FKBPL	-0.31628	-2.80638	0.005592	0.203954
	-0.32207	-2.80536	0.005609	0.204085
CCDC64B;PRSS22;ENSG00000205890;CLUAP1;IL32;C16orf59;E				
NSG00000272079;HS3ST6;ENSG00000263235;ZNF263	0.434496	2.806169	0.005596	0.203985
ENSG00000223991;ENSG00000233392;ENSG00000226321;PP				
P1R7;BOK;PASK;SNED1;FARP2;ENSG00000216921	-0.37228	-2.80312	0.005647	0.20451
	-0.48631	-2.80109	0.005681	0.204884
	-0.19973	-2.80311	0.005647	0.20451
	0.293565	2.804526	0.005623	0.204219
	0.263514	2.806501	0.00559	0.20394
SLK;NT5C2	-0.37157	-2.80539	0.005609	0.204085
	-0.34745	-2.8065	0.00559	0.20394
	-0.18716	-2.80121	0.005679	0.204884
MYOM2	0.3045	2.804623	0.005622	0.204219
	-0.28862	-2.80601	0.005599	0.203985
	0.288908	2.806112	0.005597	0.203985
PMP22	-0.39528	-2.80312	0.005647	0.20451
	0.249585	2.804879	0.005617	0.204178
MLLT4;THBS2;SMOC2	0.284645	2.806478	0.005591	0.20394
	-0.62571	-2.80535	0.00561	0.204085
	-0.25726	-2.80427	0.005627	0.20423
MCAM;OAF	-0.53366	-2.80482	0.005618	0.204178
	-0.31734	-2.80534	0.00561	0.204085

	-0.22234	-2.80586	0.005601	0.204022
HIST1H2AK	-0.61321	-2.80547	0.005607	0.204085
CGN;THEM4;GOLPH3L;SELENBP1;BNIPL;HRNR;CTSS;CTSK	-0.2972	-2.80323	0.005645	0.204509
	0.157263	2.801469	0.005674	0.204882
	0.238476	2.803099	0.005647	0.20451
ECT2;NCEH1	0.263287	2.804348	0.005626	0.204229
	-0.63024	-2.8054	0.005609	0.204085
ZRANB2	-0.29772	-2.80452	0.005623	0.204219
CFB	-0.21684	-2.80281	0.005652	0.204596
	0.26826	2.800481	0.005691	0.205031
	0.246532	2.801725	0.00567	0.204882
	0.291776	2.805654	0.005604	0.204046
SLC44A4;NELFE	0.321532	2.804365	0.005626	0.204229
FAM83H-AS1	-0.35837	-2.80385	0.005635	0.204358
	-0.26051	-2.80361	0.005638	0.204383
	0.304139	2.802712	0.005654	0.204596
	-0.31562	-2.80151	0.005674	0.204882
	0.210857	2.804574	0.005622	0.204219
	-0.43702	-2.80219	0.005662	0.204786
JAK3;FCHO1;IL12RB1;FAM129C;MYO9B;MAST3;BST2;LRRC25	-0.29717	-2.80379	0.005636	0.20436
	-0.48444	-2.80533	0.00561	0.204085
	0.250212	2.804359	0.005626	0.204229
	0.278396	2.801559	0.005673	0.204882
TNS1;CXCR2;SPEG;WNT6;STK11IP;PNKD	-0.27629	-2.80067	0.005688	0.20503
	0.296223	2.805834	0.005601	0.204022
	0.242961	2.803625	0.005638	0.204383
WSCD2	-0.38168	-2.80272	0.005653	0.204596
	0.285302	2.801822	0.005668	0.204875
ZNF627;ZNF844	0.157622	2.803819	0.005635	0.204358
MFNG;SUN2;LGALS1;C22orf23	-0.32341	-2.80114	0.00568	0.204884
ZG16B;TBC1D24	-0.20515	-2.80156	0.005673	0.204882
E2F8;ENSG00000255160;CSRP3	0.409609	2.803031	0.005648	0.204523
	0.386883	2.803841	0.005635	0.204358
	0.315755	2.804029	0.005632	0.204335
	0.23479	2.803628	0.005638	0.204383
	0.373606	2.80438	0.005626	0.204229
	0.488623	2.801774	0.005669	0.204882
	-0.33794	-2.80456	0.005623	0.204219
	0.227637	2.803548	0.00564	0.204401
	-0.15866	-2.79919	0.005713	0.205193
	0.199308	2.802831	0.005652	0.204596
	-0.17372	-2.8048	0.005619	0.204178
	-0.30129	-2.80151	0.005674	0.204882
	-0.37097	-2.80329	0.005644	0.204486
	-0.40208	-2.80463	0.005621	0.204219

	-0.25588	-2.8033	0.005644	0.204486
IFITM1	0.551665	2.803892	0.005634	0.204358
	0.179612	2.799132	0.005714	0.205194
KCTD7	-0.45165	-2.8007	0.005687	0.20503
EPAS1;SOCS5;BCYRN1	-0.47269	-2.80216	0.005663	0.204786
	0.211214	2.801929	0.005667	0.204845
	-0.2002	-2.8019	0.005667	0.204848
	-0.16774	-2.80275	0.005653	0.204596
CEBPB	-0.44774	-2.80135	0.005676	0.204884
	0.332049	2.801264	0.005678	0.204884
	-0.17939	-2.80273	0.005653	0.204596
	-0.33054	-2.80244	0.005658	0.204707
CLPX;MAP2K1;ENSG00000261544	-0.21435	-2.80119	0.005679	0.204884
CAMTA1;SLC45A1	-0.40534	-2.80251	0.005657	0.204683
	0.36431	2.801065	0.005681	0.204884
NICN1	-0.22017	-2.80224	0.005661	0.204775
TMEM254-AS1;SFTPA2;TMEM254	-0.36004	-2.80418	0.005629	0.204262
ST6GALNAC1;TNRC6C	-0.27603	-2.80342	0.005642	0.204459
	0.334158	2.800548	0.00569	0.20503
EPHA4	-0.32124	-2.79922	0.005712	0.205193
FLI1;ARHGAP32;TMEM45B;ETS1	0.502393	2.803352	0.005643	0.204485
SNORA23	0.237726	2.801738	0.00567	0.204882
	-0.1896	-2.79776	0.005737	0.205528
NUAK1;ENSG00000257438;TCP11L2;APPL2	0.303061	2.801091	0.005681	0.204884
YIF1A	0.223677	2.799251	0.005712	0.205193
	-0.3254	-2.80124	0.005678	0.204884
	0.357486	2.800424	0.005692	0.205031
	0.29045	2.802111	0.005664	0.204786
	0.23786	2.803869	0.005634	0.204358
	0.125493	2.799766	0.005703	0.205182
	0.212206	2.801534	0.005673	0.204882
	-0.36891	-2.80308	0.005647	0.20451
	0.290298	2.80053	0.00569	0.20503
ISCA2;MLH3;IFT43;FCF1;GPATCH2L;ENSG00000259319;ZC2HC1C	-0.33728	-2.79872	0.005721	0.205248
	-0.27593	-2.80213	0.005663	0.204786
	0.402977	2.799965	0.0057	0.205182
	-0.29396	-2.80153	0.005673	0.204882
CSGALNACT2;ENSG00000230555;CXCL12	0.345572	2.801675	0.005671	0.204882
	0.280642	2.802082	0.005664	0.204787
NSFL1C;TGM3;ENSG00000226644;EBF4;CPXM1;SIRPA	-0.27599	-2.79972	0.005704	0.205182
ENSG00000253864;MIR143HG;MIR143;NDST1;MIR145;SYNPO;AFAP1L1;CSNK1A1;ANXA6;GPX3;PDGFRB;DCTN4;GM2A	-0.23444	-2.80129	0.005677	0.204884
COL5A2;TFPI;COL3A1;CALCRL;ENSG00000224063	0.384833	2.801953	0.005666	0.204845
	-0.25525	-2.79932	0.005711	0.205193
	0.278659	2.800197	0.005696	0.2051

NRN1;FARS2;F13A1	0.420497	2.800241	0.005695	0.2051
DOK2;REEP4;GFRA2	-0.36537	-2.80241	0.005659	0.204711
	-0.26368	-2.80119	0.005679	0.204884
	0.307496	2.800579	0.005689	0.20503
	0.347889	2.802645	0.005655	0.204618
	-0.26064	-2.80231	0.00566	0.204755
SLC43A2	0.197996	2.798888	0.005718	0.205224
	0.154375	2.800427	0.005692	0.205031
CA11	-0.27879	-2.79701	0.00575	0.205613
	-0.27621	-2.80132	0.005677	0.204884
	0.274459	2.801467	0.005674	0.204882
DNMBP;SFXN3	0.306224	2.801028	0.005682	0.20489
	0.305186	2.799871	0.005701	0.205182
	-0.23378	-2.79956	0.005706	0.205193
TBC1D10C;AIP;FAM86C2P	-0.1296	-2.80115	0.00568	0.204884
	0.247632	2.799884	0.005701	0.205182
	-0.32363	-2.79858	0.005723	0.205248
	-0.25086	-2.79966	0.005705	0.205182
	-0.1838	-2.79733	0.005744	0.205613
	-0.38944	-2.80052	0.00569	0.20503
	-0.44328	-2.79857	0.005723	0.205248
	0.375628	2.799984	0.005699	0.205182
ADRBK1	0.185903	2.799827	0.005702	0.205182
	0.326803	2.799827	0.005702	0.205182
	0.176966	2.800654	0.005688	0.20503
	-0.27521	-2.79797	0.005733	0.20547
LCP1	0.400028	2.798827	0.005719	0.205224
	0.223232	2.797116	0.005748	0.205613
	0.245712	2.800512	0.00569	0.20503
	0.186628	2.796059	0.005766	0.205817
NAP1L4;TSPAN32;IGF2	0.364078	2.799542	0.005707	0.205193
	0.317802	2.800619	0.005689	0.20503
COLQ	0.323593	2.799431	0.005709	0.205193
	-0.41966	-2.79972	0.005704	0.205182
	0.327794	2.798868	0.005718	0.205224
SPSB1;RBP7;APITD1;PGD	0.56606	2.799276	0.005711	0.205193
	0.370873	2.799274	0.005711	0.205193
	0.174799	2.800224	0.005695	0.2051
	0.345273	2.8007	0.005687	0.20503
SCARB1;ZNF664;BRI3BP	-0.25147	-2.79976	0.005703	0.205182
	0.319383	2.799569	0.005706	0.205193
ENSG00000229605	0.454801	2.796312	0.005762	0.205742
	-0.3558	-2.80028	0.005694	0.205099
ENSG00000225670	-0.3278	-2.79857	0.005723	0.205248
AGO3;ADPRHL2;C1orf216;COL8A2;TEKT2	0.3449	2.799682	0.005704	0.205182
	0.138599	2.799066	0.005715	0.205209
	-0.29902	-2.80135	0.005676	0.204884

	0.257537	2.799954	0.0057	0.205182
	0.169681	2.799311	0.005711	0.205193
	-0.2246	-2.79932	0.005711	0.205193
	0.292367	2.799163	0.005713	0.205193
ARHGEF10;CLN8;MYOM2	-0.44831	-2.79872	0.005721	0.205248
	-0.17966	-2.7998	0.005702	0.205182
	0.293949	2.798038	0.005732	0.205462
SZRD1	-0.37503	-2.79885	0.005718	0.205224
	-0.30044	-2.79781	0.005736	0.205513
	-0.16726	-2.79771	0.005738	0.205544
	-0.35332	-2.79741	0.005743	0.205613
	-0.26539	-2.79899	0.005716	0.205212
	-0.30418	-2.79721	0.005746	0.205613
	-0.23428	-2.79523	0.00578	0.20595
	-0.26041	-2.79848	0.005725	0.205279
	-0.27488	-2.79886	0.005718	0.205224
	0.263221	2.799162	0.005713	0.205193
	0.245895	2.794268	0.005797	0.206106
	-0.4717	-2.79697	0.00575	0.205613
DHRS4-AS1	-0.32352	-2.7987	0.005721	0.205248
GPR133	0.425281	2.797124	0.005748	0.205613
C1QTNF1;TIMP2;TNRC6C	0.270503	2.797497	0.005741	0.205613
PPP1R7	-0.22272	-2.79864	0.005722	0.205248
	-0.38123	-2.79947	0.005708	0.205193
SYNJ1;SOD1;C21orf59;C21orf119;MIS18A	-0.35572	-2.79567	0.005773	0.205903
	0.276623	2.799374	0.00571	0.205193
	0.411229	2.79856	0.005723	0.205248
	0.21375	2.797049	0.005749	0.205613
	-0.37675	-2.79657	0.005757	0.20572
ENSG00000141854;IL27RA;CACNA1A;DNAJB1	-0.34286	-2.79787	0.005735	0.205496
	0.396411	2.79734	0.005744	0.205613
	-0.27405	-2.79801	0.005733	0.205465
TSTA3;GPIHBP1;ZNF251;ZNF517	-0.30731	-2.7979	0.005735	0.205494
	0.230552	2.797241	0.005746	0.205613
TNFRSF1B;FBXO2	-0.2787	-2.79934	0.00571	0.205193
	0.352042	2.799022	0.005716	0.205209
	-0.45322	-2.79647	0.005759	0.205742
	0.306759	2.797229	0.005746	0.205613
	0.265695	2.796386	0.00576	0.205742
	-0.29794	-2.79698	0.00575	0.205613
	0.240291	2.797099	0.005748	0.205613
STXBP1;GARNL3;LCN2;CERCAM;ENSG00000225032	0.2306	2.797395	0.005743	0.205613
	-0.37524	-2.79845	0.005725	0.20528
	-0.17828	-2.79507	0.005783	0.205979
	0.327437	2.796295	0.005762	0.205742
	-0.18212	-2.79827	0.005728	0.205376
	0.200562	2.797468	0.005742	0.205613

IFT80;IQCJ-SCHIP1-AS1;LXN;RPL6P8	-0.29602	-2.79707	0.005749	0.205613
	0.135276	2.794611	0.005791	0.206106
MRGPRF;UNC93B1;PITPNM1;ALDH3B1;GSTP1;FAM86C2P;ENS				
G00000255306;ALDH3B2;CDK2AP2;TPCN2	0.359604	2.799048	0.005715	0.205209
WBSCR17	-0.41241	-2.79529	0.005779	0.20595
	-0.27545	-2.79618	0.005764	0.205786
HIGD1A	0.314686	2.791852	0.005838	0.206541
	0.216925	2.792379	0.005829	0.206419
CD34	-0.34194	-2.79719	0.005747	0.205613
	0.310455	2.797456	0.005742	0.205613
	0.357721	2.794955	0.005785	0.206003
	0.22375	2.795998	0.005767	0.205817
	0.26475	2.79664	0.005756	0.205719
ESRP2;SNTB2;CDH1;SLC12A4;NFAT5;GFOD2;RANBP10	-0.32211	-2.79348	0.00581	0.206222
FZD1	0.386745	2.796403	0.00576	0.205742
RASSF1;UBA7;TUSC2	0.387986	2.796277	0.005762	0.205742
	0.241221	2.795486	0.005776	0.20594
KAT7;PDK2	-0.20197	-2.79821	0.005729	0.205389
	-0.35369	-2.79719	0.005747	0.205613
EHBP1;FAM161A;WDPCP;TMEM17	-0.37306	-2.79236	0.005829	0.206419
	0.225901	2.797374	0.005744	0.205613
	0.264136	2.796922	0.005751	0.205624
	-0.39604	-2.7966	0.005757	0.205719
	0.294268	2.796614	0.005756	0.205719
	-0.33034	-2.79809	0.005731	0.205445
	-0.31013	-2.79508	0.005783	0.205979
	-0.18997	-2.79575	0.005771	0.205874
	-0.36267	-2.79287	0.005821	0.206341
	0.411791	2.795984	0.005767	0.205817
	0.196522	2.795831	0.00577	0.205874
	-0.24499	-2.79607	0.005766	0.205817
ARHGEF15;ACAP1;CLDN7;KCTD11;MPDU1;BCL6B;ELP5	0.337831	2.797319	0.005745	0.205613
RMDN2-AS1	-0.67894	-2.79576	0.005771	0.205874
	0.304602	2.793859	0.005804	0.206132
	-0.23381	-2.79576	0.005771	0.205874
NKD2;TPPP	-0.34455	-2.79523	0.00578	0.20595
	0.298334	2.795935	0.005768	0.20583
	0.29641	2.793282	0.005813	0.206227
CNDP2	-0.63403	-2.79543	0.005777	0.20594
	0.319248	2.79504	0.005783	0.205979
TSPAN4	-0.31499	-2.79633	0.005761	0.205742
	0.322917	2.794468	0.005793	0.206106
GPC1;ENSG00000218416	-0.4098	-2.79559	0.005774	0.205933
	0.254014	2.794274	0.005796	0.206106
	0.27644	2.795142	0.005782	0.205968
	-0.15033	-2.7939	0.005803	0.206132
	-0.40836	-2.79337	0.005812	0.206222

HMGN4	-0.29142	-2.79282	0.005821	0.206341
	-0.22887	-2.79419	0.005798	0.206106
	0.32863	2.795427	0.005777	0.20594
ISYNA1;B3GNT3	-0.74053	-2.79637	0.005761	0.205742
	0.305543	2.796617	0.005756	0.205719
	0.294661	2.79662	0.005756	0.205719
UQCRQ	0.233459	2.796039	0.005766	0.205817
NDUFB3;SUMO1	-0.38292	-2.79432	0.005796	0.206106
CCM2L;FOXS1;ENSG00000268457;RNU1-94P	-0.31022	-2.79538	0.005778	0.20594
	-0.31698	-2.79538	0.005777	0.20594
SSU72;RER1;PANK4	-0.33982	-2.79544	0.005776	0.20594
ARHGAP31;COX17;GTF2E1	-0.37536	-2.79355	0.005809	0.206222
	-0.40867	-2.79431	0.005796	0.206106
SAP130;CYP27C1;HS6ST1	-0.31948	-2.79263	0.005825	0.206341
	0.149847	2.794908	0.005786	0.206008
	0.160874	2.793346	0.005812	0.206222
SLC16A4	0.183472	2.793509	0.00581	0.206222
	0.163118	2.794484	0.005793	0.206106
DUSP10	-0.39069	-2.79421	0.005798	0.206106
	-0.3839	-2.79463	0.00579	0.206106
	0.385191	2.795262	0.00578	0.20595
GPSM1	-0.27572	-2.7937	0.005806	0.206179
	-0.30734	-2.79433	0.005795	0.206106
	-0.32756	-2.79223	0.005832	0.206474
	-0.40904	-2.79273	0.005823	0.206341
SCAI	0.34306	2.795456	0.005776	0.20594
	-0.3714	-2.79454	0.005792	0.206106
SMIM5	0.41257	2.794124	0.005799	0.206106
	-0.23703	-2.78736	0.005916	0.207503
	-0.48977	-2.79536	0.005778	0.20594
SLC44A4;LY6G5C;NOTCH4;TNXB;C6orf10;NELFE;VWA7;HCP5;HSPA1A;ENSG00000272221;CLIC1;DDR1;HSPA1B;TAP2;CCHCR1;ENSG00000225914	-0.25504	-2.79446	0.005793	0.206106
SDK2;COG1;CDC42EP4	-0.30361	-2.79438	0.005795	0.206106
ARHGAP11B	-0.44292	-2.79517	0.005781	0.205968
	0.290608	2.793882	0.005803	0.206132
	0.297156	2.794056	0.0058	0.206106
ESRP2;CDH1;SNTB2;NFAT5;NIP7;SLC12A4	-0.45165	-2.79289	0.00582	0.206341
	0.267218	2.793978	0.005802	0.206122
	0.25236	2.793386	0.005812	0.206222
ENSG00000264198;IKZF3;ERBB2;PLXDC1	0.452651	2.792462	0.005828	0.206419
MFNG	-0.35637	-2.79494	0.005785	0.206003
	0.292979	2.794098	0.005799	0.206106
HSP90AA1;ZFYVE21;MOK;TRMT61A	-0.4333	-2.79632	0.005761	0.205742
	0.213339	2.792415	0.005828	0.206419
EFCAB4B;ENSG00000196138	-0.41841	-2.79262	0.005825	0.206341
	0.274251	2.791979	0.005836	0.206535

	-0.40183	-2.79309	0.005817	0.20629
NPHP4;CHD5	-0.32323	-2.79348	0.00581	0.206222
	-0.30356	-2.79453	0.005792	0.206106
C17orf97;SLC43A2;ENSG00000263050;DOC2B;MYO1C;HIC1;IN				
PP5K;YWHAE;PITPNA;GEMIN4;TLCD2;NXN;RTN4RL1	-0.54643	-2.79265	0.005824	0.206341
SH2D2A	-0.35921	-2.78924	0.005883	0.207185
	-0.24506	-2.79419	0.005798	0.206106
ZBTB20	0.362879	2.79267	0.005824	0.206341
	0.189444	2.790305	0.005865	0.206949
	-0.21735	-2.79374	0.005806	0.206174
	-0.33582	-2.79454	0.005792	0.206106
	0.300651	2.794806	0.005787	0.206053
	0.290351	2.793296	0.005813	0.206227
	0.447273	2.794116	0.005799	0.206106
	-0.42818	-2.79339	0.005812	0.206222
FADD	0.309197	2.792061	0.005834	0.206535
	-0.28916	-2.79177	0.00584	0.206569
	-0.34642	-2.7943	0.005796	0.206106
LSM2;RGL2	0.331973	2.793358	0.005812	0.206222
	0.389555	2.791226	0.005849	0.206728
	0.388276	2.793443	0.005811	0.206222
B3GNT2;EHBP1	-0.29727	-2.79056	0.00586	0.20693
HERC1;RAB11A;PTPLAD1;SNX1;RASL12;ANKDD1A;IGDCC4;CSN				
K1G1;VWA9;FAM96A;RBPMS2;PLEKHO2;TRIP4	-0.44139	-2.79174	0.00584	0.206569
	0.405569	2.794128	0.005799	0.206106
	0.312727	2.790008	0.00587	0.206979
EIF5;C14orf2;AHNAK2;BAG5	0.334436	2.794042	0.0058	0.206106
	0.245008	2.791261	0.005848	0.206724
	0.242393	2.79205	0.005835	0.206535
	-0.29307	-2.79268	0.005824	0.206341
	0.227097	2.792017	0.005835	0.206535
	-0.37863	-2.7932	0.005815	0.206259
	0.263625	2.793058	0.005817	0.206295
	0.521666	2.790855	0.005855	0.20686
DHX32	-0.23225	-2.79064	0.005859	0.206917
	-0.35845	-2.79379	0.005805	0.206158
	0.402548	2.79396	0.005802	0.206122
	-0.37198	-2.79272	0.005823	0.206341
	-0.27264	-2.79152	0.005844	0.206635
STYXL1;RHBDD2	0.347657	2.791936	0.005837	0.206535
KLHL29	-0.268	-2.79279	0.005822	0.206341
	-0.24998	-2.79311	0.005816	0.20629
HHIPL1	-0.28746	-2.79011	0.005868	0.206979
	-0.42476	-2.78981	0.005873	0.207048
	0.268087	2.791422	0.005845	0.206666
	0.270299	2.791645	0.005842	0.206609

SAA1;HPS5;ZDHHC13	0.28821	2.790319	0.005865	0.206949
	-0.28823	-2.78704	0.005922	0.207533
ENSG00000237940	0.250012	2.79137	0.005846	0.206675
ENSG00000259251;VPS13C;APH1B;HERC1	-0.3736	-2.79062	0.005859	0.206917
CEP63;EPHB1	0.254089	2.792625	0.005825	0.206341
	0.272058	2.792879	0.00582	0.206341
	0.383813	2.79185	0.005838	0.206541
	-0.37974	-2.79036	0.005864	0.206949
	0.257285	2.790822	0.005856	0.20686
	-0.37766	-2.79184	0.005838	0.206541
HSPA8	-0.41538	-2.78916	0.005885	0.207185
NTF3	0.328435	2.790419	0.005863	0.206949
	0.251459	2.790991	0.005853	0.206837
	0.248891	2.789252	0.005883	0.207185
	-0.18637	-2.78698	0.005923	0.207533
NRCAM;LAMB1	0.330486	2.790347	0.005864	0.206949
	0.285329	2.791951	0.005836	0.206535
MMP17;POLE	0.349256	2.790243	0.005866	0.20697
	-0.42559	-2.79048	0.005862	0.206949
EYA4;MOXD1;ENPP1	-0.38656	-2.78902	0.005887	0.207185
	0.32433	2.791995	0.005836	0.206535
IGHV3-7;IGHG2	0.208205	2.790115	0.005868	0.206979
	0.163315	2.791587	0.005843	0.206627
	0.250755	2.791518	0.005844	0.206635
	-0.34323	-2.79235	0.005829	0.206419
	-0.26209	-2.79084	0.005855	0.20686
	0.176016	2.789669	0.005876	0.207052
	0.254322	2.789734	0.005875	0.207052
	0.27584	2.787611	0.005912	0.207461
	0.27277	2.791126	0.005851	0.206772
	0.247101	2.787363	0.005916	0.207503
MEI1;TTLL1;MCAT;EFCAB6-AS1;EFCAB6;CENPM	-0.31896	-2.79141	0.005846	0.206666
PPP1R18;DDR1;SLC44A4;HSPA1A;NELFE;CLIC1;HSPA1L;LY6G5C; VWA7;TNXB;HSPA1B;PPP1R10;NOTCH4;NRM;FKBPL;RNF5;BAG 6	-0.37402	-2.78682	0.005925	0.207581
TARSL2;ENSG00000259363	-0.44476	-2.78665	0.005928	0.207631
	0.352535	2.790015	0.00587	0.206979
ASPA	0.353414	2.787062	0.005921	0.207533
	0.251284	2.789614	0.005877	0.207064
	0.265179	2.790608	0.00586	0.206917
	0.251265	2.787543	0.005913	0.207477
TRAF5;DTL	0.272243	2.790432	0.005863	0.206949
	-0.25747	-2.78904	0.005887	0.207185
	0.174893	2.789495	0.005879	0.20712
ERGIC1	-0.22358	-2.78811	0.005903	0.207364
	-0.31632	-2.79041	0.005863	0.206949
	0.26131	2.787517	0.005913	0.207477

	0.142715	2.790859	0.005855	0.20686
	-0.47002	-2.78809	0.005903	0.207364
TTYH1	0.236762	2.788355	0.005899	0.207354
	0.285553	2.789424	0.00588	0.207129
	-0.30098	-2.79062	0.005859	0.206917
ENSG00000203739;DNM3OS;TNFSF4;DNM3;ENSG00000231615	-0.24894	-2.78945	0.00588	0.207129
RMI1;IDNK;KIF27;C9orf64	-0.41859	-2.78859	0.005895	0.207354
	-0.23266	-2.78913	0.005885	0.207185
	0.228358	2.788997	0.005887	0.207185
	0.118508	2.788168	0.005902	0.207364
	-0.36095	-2.78847	0.005897	0.207354
	-0.17559	-2.78918	0.005884	0.207185
	-0.3102	-2.78434	0.005969	0.208269
	-0.25536	-2.79005	0.005869	0.206979
CCDC88A	-0.34427	-2.78853	0.005896	0.207354
TTLL5	0.237881	2.790012	0.00587	0.206979
ARID3A;MISP;PPAP2C;SHC2	-0.52928	-2.79	0.00587	0.206979
	-0.34333	-2.78851	0.005896	0.207354
P2RX1;ASPA;GGT6;SMTNL2	-0.22223	-2.78991	0.005872	0.207
	-0.21102	-2.78969	0.005875	0.207052
	0.245199	2.789146	0.005885	0.207185
FAM222A	-0.41781	-2.78911	0.005886	0.207185
SHE;SYT11;MUC1;ATP8B2;MTX1;FLAD1;SLC50A1;ASH1L;TDRD10	-0.38324	-2.78828	0.0059	0.207364
	-0.35576	-2.79081	0.005856	0.20686
NAP1L4;CARS;TSPAN32;MRPL23;IGF2;OSBPL5	-0.24996	-2.78701	0.005922	0.207533
	0.233841	2.789661	0.005876	0.207052
FHL2	0.301567	2.787411	0.005915	0.207503
	0.229267	2.789748	0.005874	0.207052
	0.145716	2.787613	0.005912	0.207461
	-0.2116	-2.78576	0.005944	0.207894
	-0.3883	-2.78902	0.005887	0.207185
	-0.29368	-2.79	0.00587	0.206979
FUOM;TTC40	-0.32886	-2.78833	0.005899	0.207354
	-0.34883	-2.78843	0.005897	0.207354
TNFRSF1B	-0.39648	-2.78839	0.005898	0.207354
	0.312711	2.787864	0.005907	0.207409
FAM115C;KEL;FAM115B	-0.42227	-2.78875	0.005892	0.207302
	0.432083	2.787943	0.005906	0.207398
CLDN7;ARHGEF15;CTC1;MPDU1;KCTD11;NLGN2;ACAP1;SLC2A4;ATP1B2;ELP5;VAMP2;PIK3R6;CYB5D1;TNFSF12;MYH10	-0.48673	-2.78896	0.005888	0.207193
CARS;TSSC2	-0.23285	-2.78819	0.005902	0.207364
	0.244492	2.783885	0.005977	0.208427
	0.234678	2.787692	0.00591	0.207455

TSGA10;KIAA1211L;CNGA3;VWA3B;ENSG00000273045;TMEM131	0.194541	2.787814	0.005908	0.207411
	0.359917	2.788566	0.005895	0.207354
ZDHHC23;GRAMD1C;SIDT1;ENSG00000259976;KIAA1407;ZBTB20	0.413287	2.787923	0.005906	0.207398
	0.310521	2.785809	0.005943	0.207894
	0.355869	2.787394	0.005915	0.207503
	0.333997	2.789917	0.005872	0.207
ENSG00000271314	-0.37006	-2.78518	0.005954	0.208039
	0.340585	2.782024	0.00601	0.208858
	0.362535	2.787598	0.005912	0.207461
	0.222067	2.787296	0.005917	0.207527
	-0.32813	-2.78836	0.005899	0.207354
TMEM40;TPRXL;FBLN2;C3orf83	-0.35012	-2.78785	0.005907	0.207409
	0.395244	2.787792	0.005908	0.207411
	0.321128	2.787255	0.005918	0.207533
ASB2;C14orf142;UNC79;PRIMA1;NDUFB1;ATXN3;RIN3;FAM181A-AS1	-0.25842	-2.78686	0.005925	0.207571
	0.322317	2.784181	0.005972	0.208313
	0.334706	2.788151	0.005902	0.207364
	-0.19978	-2.787	0.005922	0.207533
ENSG00000196674	-0.30422	-2.78716	0.00592	0.207533
	0.293841	2.783439	0.005985	0.208566
HCP5;HLA-B;HLA-E;HLA-C	0.309786	2.78924	0.005883	0.207185
	-0.14778	-2.7857	0.005945	0.207894
	-0.37952	-2.78816	0.005902	0.207364
	0.182374	2.78525	0.005953	0.208039
	-0.35331	-2.78814	0.005902	0.207364
	0.202374	2.78707	0.005921	0.207533
	-0.40179	-2.78861	0.005894	0.207354
	0.347859	2.785029	0.005957	0.208054
FAM78A	0.280828	2.787189	0.005919	0.207533
	-0.39247	-2.78801	0.005905	0.207379
	-0.22852	-2.78803	0.005904	0.207379
	-0.31517	-2.78638	0.005933	0.207703
	0.360695	2.786786	0.005926	0.207584
	0.213258	2.786174	0.005937	0.207761
CLMN;ENSG00000260806;PAPOLA;AK7	-0.35362	-2.7861	0.005938	0.207764
DTX2;UPK3B	-0.42309	-2.78695	0.005923	0.207533
MGA;KRT8P50	-0.45963	-2.78674	0.005927	0.207594
	-0.48905	-2.7857	0.005945	0.207894
	0.236241	2.786369	0.005933	0.207703
USP43	0.275498	2.782172	0.006007	0.208858
	0.25683	2.786503	0.005931	0.20769
	-0.26468	-2.78645	0.005932	0.20769
	-0.39851	-2.78838	0.005898	0.207354
	-0.28937	-2.7851	0.005956	0.208054

	0.312584	2.784721	0.005962	0.208178
HCP5;GPSM3;HSPA1B;HSPA1A;DDR1;HLA-B	0.490618	2.783616	0.005982	0.208541
PLEKHG2;FBXO17;RYR1;PAF1;SPINT2;ZNF573	-0.36368	-2.78616	0.005937	0.207761
	0.243059	2.783942	0.005976	0.208409
DGKE	-0.38424	-2.78695	0.005923	0.207533
	-0.53755	-2.78188	0.006012	0.208858
CDC25B;MRPS26;ATRN	-0.32933	-2.78573	0.005944	0.207894
	0.266593	2.785504	0.005948	0.207944
HMHA1	-0.33013	-2.78471	0.005962	0.208178
	0.45168	2.785554	0.005948	0.20793
	0.236407	2.783148	0.00599	0.208642
SNX19	0.397464	2.785555	0.005948	0.20793
	0.24027	2.786136	0.005937	0.207761
	0.232194	2.786217	0.005936	0.207761
	-0.1813	-2.78496	0.005958	0.208054
	0.295655	2.783409	0.005985	0.208566
ITGA5	0.200169	2.786265	0.005935	0.207749
CRTC3;ABHD2;KIF7;FES;CIB1;FANCI	-0.31661	-2.78322	0.005989	0.208617
C1QTNF7;ENSG00000251379	0.327586	2.784387	0.005968	0.208255
	-0.18117	-2.78515	0.005955	0.208039
	-0.32443	-2.7871	0.005921	0.207533
	0.290742	2.784467	0.005967	0.20824
	-0.31285	-2.78497	0.005958	0.208054
EBF1	-0.28463	-2.78345	0.005985	0.208566
	-0.38971	-2.78646	0.005932	0.20769
FOSB	-0.38058	-2.78645	0.005932	0.20769
XBP1;EMID1;ZNRF3;TTC28;ENSG00000226471;LIF	-0.19918	-2.78085	0.006031	0.209156
THEM4;POGZ;S100A10;PSMD4	0.262289	2.785203	0.005954	0.208039
	0.201059	2.784963	0.005958	0.208054
	0.261456	2.783439	0.005985	0.208566
	-0.20332	-2.78426	0.00597	0.208283
HOXB-AS3	-0.29261	-2.7829	0.005994	0.208732
MRAS	0.330306	2.785566	0.005947	0.20793
	0.327643	2.785871	0.005942	0.207889
	-0.31174	-2.78271	0.005998	0.208745
	-0.24508	-2.78467	0.005963	0.208185
	-0.3959	-2.78242	0.006003	0.208834
	0.42137	2.782128	0.006008	0.208858
	0.424863	2.785208	0.005954	0.208039
	0.263946	2.782774	0.005997	0.208742
	-0.32686	-2.78341	0.005985	0.208566
COL10A1	0.358284	2.78184	0.006013	0.208868
KMT2A;MPZL3;PHLDB1	0.201589	2.783318	0.005987	0.208586
SSU72;SKI;LINC00982;MXRA8;NADK;ANKRD65;RER1	-0.34935	-2.78311	0.005991	0.208648
NSMCE1;TUFM	-0.29161	-2.78458	0.005965	0.208203
WDR45B	-0.34693	-2.78015	0.006043	0.209263
	0.254415	2.781623	0.006017	0.208934

	0.307423	2.780809	0.006031	0.209164
BCL2;PHLPP1;SERPINB11	0.449418	2.784634	0.005964	0.208188
	-0.27116	-2.77942	0.006056	0.209334
TBC1D4	0.352691	2.785178	0.005954	0.208039
	-0.23105	-2.78572	0.005945	0.207894
	0.363625	2.783787	0.005979	0.208455
	0.246266	2.782114	0.006008	0.208858
	0.223628	2.781978	0.006011	0.208858
PITPNM2	-0.36739	-2.78501	0.005957	0.208054
	0.275477	2.78447	0.005967	0.20824
DDR2;OLFML2B;RGS5;RGS4;C1orf110;C1orf226;FCGR3B;NOS1AP	0.213806	2.784422	0.005967	0.208251
	0.237266	2.785157	0.005955	0.208039
	-0.3192	-2.78427	0.00597	0.208283
C1QBP;GP1BA	0.272603	2.782704	0.005998	0.208745
SPATA18;RASL11B	-0.50882	-2.78017	0.006043	0.209263
	0.333786	2.783295	0.005987	0.208586
KAZN	-0.28407	-2.78407	0.005974	0.208348
	0.398719	2.782778	0.005996	0.208742
	0.231156	2.782658	0.005999	0.208756
	0.145439	2.781345	0.006022	0.209021
SDC4;SLC2A10;TP53RK	0.2383	2.783431	0.005985	0.208566
	0.321919	2.783382	0.005986	0.208566
TET1;COL13A1	-0.33387	-2.78031	0.00604	0.209249
IFFO1;CLSTN3;VWF;RBP5;C1R;SCNN1A;LEPREL2;C1RL;CD27;C1S;CD9;CD163L1;C1RL-AS1;LRRC23;ENSG00000257084;ATN1	-0.3337	-2.78113	0.006026	0.209103
DDHD1	-0.47895	-2.78254	0.006001	0.2088
	0.133752	2.780446	0.006038	0.209201
	0.384176	2.784078	0.005974	0.208348
HHAT;TRAF3IP3	-0.35215	-2.78289	0.005994	0.208732
SKI;CEP104;MEGF6;TP73-AS1;DFFB;ENSG00000269896;RER1;MORN1;LINC01134	0.392258	2.777648	0.006088	0.209774
IFT140;CLDN9	-0.2599	-2.78055	0.006036	0.20919
	0.307057	2.781977	0.006011	0.208858
NBEA;DCLK1	-0.39014	-2.78239	0.006003	0.208836
PMP22	-0.4473	-2.78282	0.005996	0.208742
	0.267358	2.783785	0.005979	0.208455
	0.242169	2.781676	0.006016	0.208923
	0.223102	2.782222	0.006006	0.208858
SCML4;PRDM1	0.245212	2.774944	0.006136	0.210573
	0.374313	2.780627	0.006035	0.20919
	0.144559	2.781128	0.006026	0.209103
	0.342106	2.780575	0.006035	0.20919
	-0.3341	-2.78178	0.006014	0.208892
KIAA1841	0.357934	2.782287	0.006005	0.208858
	-0.21898	-2.78025	0.006041	0.209254

CERCAM;FAM102A;LCN2;STXBP1	-0.20544	-2.78076	0.006032	0.209177
	-0.45496	-2.78253	0.006001	0.2088
	0.455675	2.781518	0.006019	0.208955
	-0.31781	-2.78116	0.006025	0.209103
ATP1B2;SLC2A4;MYH10	0.298635	2.780979	0.006028	0.209139
TMEM14B;PHACTR1;SYCP2L;NEDD9;EDN1	-0.26329	-2.77805	0.00608	0.209689
	0.288298	2.779758	0.00605	0.20929
	0.178583	2.78191	0.006012	0.208858
	-0.24564	-2.77995	0.006047	0.20929
	0.255394	2.778909	0.006065	0.209436
RAB25;PEAR1;SMG5;NES;IQGAP3;SLC25A44;TMEM79;ENSG00				
000246203;RIT1;SYT11	-0.336	-2.78212	0.006008	0.208858
SPINT2;EID2;PSMD8	0.237811	2.780322	0.00604	0.209249
	0.216031	2.782764	0.005997	0.208742
UBXN11;CD164L2;WDTC1	0.269539	2.780888	0.00603	0.209149
	0.246487	2.782324	0.006004	0.208858
	0.202118	2.780959	0.006029	0.209139
GLRX3	-0.28524	-2.78212	0.006008	0.208858
	-0.37306	-2.78156	0.006018	0.208955
ENSG00000249574	-0.44247	-2.78006	0.006045	0.209274
PIH1D1;PRRG2	0.304885	2.782928	0.005994	0.208732
	0.237588	2.780561	0.006036	0.20919
	0.430625	2.780992	0.006028	0.209139
SLC7A1	0.160478	2.779306	0.006058	0.209334
LCK;MARCKSL1;DCDC2B	0.325974	2.782428	0.006003	0.208834
	0.360366	2.781954	0.006011	0.208858
ABHD2	-0.24082	-2.78194	0.006011	0.208858
TTC5	0.310152	2.781478	0.006019	0.208955
	0.15582	2.77975	0.00605	0.20929
CAMK2N1;HP1BP3;PLA2G5;NBL1;EIF4G3;AKR7A2;UBXN10	-0.31987	-2.78204	0.006009	0.208858
	-0.30289	-2.78092	0.006029	0.209149
	0.235924	2.780024	0.006045	0.209274
	-0.2662	-2.77932	0.006058	0.209334
	-0.39552	-2.7783	0.006076	0.209661
DNAH5	-0.30722	-2.77695	0.0061	0.209903
COL4A1;COL4A2;RAB20	0.268667	2.778798	0.006067	0.209449
MARCH6;CCT5;CMBL;FAM173B	-0.33536	-2.78062	0.006035	0.20919
	-0.5347	-2.78022	0.006042	0.209254
SCN11A	-0.2428	-2.78048	0.006037	0.209199
PLAU	-0.22241	-2.78167	0.006016	0.208923
CASZ1	0.154206	2.779341	0.006057	0.209334
ATHL1	0.197519	2.778992	0.006064	0.209402
	0.270522	2.78049	0.006037	0.209199
	0.31665	2.779912	0.006047	0.20929
	0.211021	2.772446	0.006181	0.21128
TRPM2	0.213511	2.779819	0.006049	0.20929

	0.152441	2.779062	0.006062	0.209401
	0.251318	2.779469	0.006055	0.209334
	-0.31882	-2.77956	0.006053	0.209334
HES6;TRAF3IP1	-0.33308	-2.78149	0.006019	0.208955
	0.251265	2.781076	0.006027	0.209118
LPCAT1;TPPP;ZDHHC11B;ENSG00000188002	-0.30251	-2.78189	0.006012	0.208858
	-0.29349	-2.7774	0.006092	0.209784
OLFML1;AKIP1;DENND5A;STK33	0.325027	2.777867	0.006084	0.209706
	0.26114	2.779828	0.006049	0.20929
IRF8	0.397857	2.780027	0.006045	0.209274
	0.332546	2.777724	0.006086	0.209774
	0.31334	2.778346	0.006075	0.209648
ENSG00000262601	0.227565	2.778806	0.006067	0.209449
	-0.23264	-2.78025	0.006041	0.209254
	0.274253	2.779696	0.006051	0.209307
	0.349803	2.780645	0.006034	0.20919
ERBB2;PLXDC1;IGFBP4;MIEN1;PCGF2;NR1D1;ENSG00000264198	0.27124	2.777869	0.006084	0.209706
NOTCH4;TNXB;SLC44A4;PBX2;EHMT2;VWA7;TCF19;C6orf10;ENSG00000225914;PRRC2A;NELFE	-0.30939	-2.78003	0.006045	0.209274
PIGU;DYNLRB1;CBFA2T2;PROCR;MAP1LC3A	-0.25603	-2.77415	0.006151	0.210802
LINC00689	-0.421	-2.77862	0.00607	0.209514
	0.200923	2.779607	0.006053	0.209328
	-0.32774	-2.77814	0.006079	0.209689
	-0.19134	-2.77758	0.006089	0.209784
GIPC3;TBXA2R;GNG7;ZNF57	-0.41826	-2.77862	0.00607	0.209514
	-0.33472	-2.77935	0.006057	0.209334
	-0.31031	-2.77729	0.006094	0.20979
ZNF571-AS1;PSMD8;SPINT2;ZNF420;ZNF793	0.420038	2.776783	0.006103	0.209952
DOC2B	-0.346	-2.78061	0.006035	0.20919
	0.247542	2.779437	0.006056	0.209334
	-0.28806	-2.77929	0.006058	0.209334
	-0.34976	-2.77795	0.006082	0.209689
	0.393974	2.779934	0.006047	0.20929
	0.190799	2.779469	0.006055	0.209334
	-0.33153	-2.77598	0.006118	0.210178
ECHS1	-0.27415	-2.7798	0.006049	0.20929
	-0.37555	-2.77878	0.006067	0.209449
GEMIN8P4;LRRC8C;GBP6;LRRC8B;GBP2	-0.34162	-2.77376	0.006158	0.210914
	0.317663	2.77982	0.006049	0.20929
	-0.28873	-2.77909	0.006062	0.209401
CYS1;RRM2;KLF11	-0.68087	-2.77902	0.006063	0.209401
	0.276887	2.776712	0.006104	0.209958
	0.400534	2.77887	0.006066	0.209443
	0.244525	2.779073	0.006062	0.209401

PODN;SLC1A7;ZFYVE9;HSPB11;LRP8;PRPF38A;GLIS1;TCEANC2;TMEM59;LDLRAD1;YIPF1;DIO1;SCP2;ZCCHC11;ENSG00000270172	0.318389	2.776693	0.006105	0.209958
FRMD6;ABHD12B;MAP4K5	0.410307	2.77856	0.006071	0.209533
FLI1;ARHGAP32;ETS1	-0.37809	-2.7793	0.006058	0.209334
	-0.26055	-2.77679	0.006103	0.209952
ZBED6CL	0.391214	2.779649	0.006052	0.209319
	0.359689	2.777672	0.006087	0.209774
SRSF9;COX6A1;COQ5	-0.25796	-2.77905	0.006063	0.209401
BEND7	-0.41598	-2.77824	0.006077	0.209664
CPNE5;TBC1D22B;PI16;CDKN1A	-0.46278	-2.77699	0.006099	0.209891
	-0.34323	-2.77644	0.006109	0.210014
	-0.27607	-2.77704	0.006099	0.209891
	-0.28927	-2.77618	0.006114	0.210122
	0.210359	2.778006	0.006081	0.209689
FNBP1;FAM78A	-0.29789	-2.778	0.006081	0.209689
	-0.36502	-2.77824	0.006077	0.209664
	-0.25375	-2.77795	0.006082	0.209689
	-0.25227	-2.77918	0.00606	0.20939
	-0.25245	-2.77747	0.006091	0.209784
	-0.39465	-2.77818	0.006078	0.20968
	0.380841	2.776599	0.006106	0.209966
	0.361999	2.777405	0.006092	0.209784
	-0.35135	-2.77565	0.006124	0.210317
SNX1;ANKDD1A;PLEKHO2;RASL12;IGDCC4;ZNF609;CSNK1G1;RBPMS2;PIF1	-0.52885	-2.7761	0.006115	0.210137
RPS15AP10	0.220925	2.776758	0.006104	0.209952
	-0.23378	-2.77738	0.006093	0.209784
	0.284202	2.777015	0.006099	0.209891
IRF8;ATP2C2	0.447833	2.777999	0.006081	0.209689
PEAR1;NES;SYT11;HDGF;MEF2D;MTX1;ASH1L;RAB25;LRRC71;SMG5;LAMTOR2;CCT3	-0.26363	-2.77579	0.006121	0.210244
	0.280637	2.774157	0.00615	0.210802
	0.327769	2.777028	0.006099	0.209891
	0.269847	2.777294	0.006094	0.20979
GAS8;SPIRE2;GALNS;SPATA33;ENSG00000260259;C16orf3;URAHP;PIEZO1	-0.2862	-2.77677	0.006103	0.209952
CUTA	0.184776	2.776477	0.006109	0.210007
	0.284866	2.777358	0.006093	0.209784
	0.261487	2.771721	0.006195	0.211365
	0.329751	2.768708	0.00625	0.212075
P4HTM;LAMB2;NME6;DALRD3;PRKAR2A-AS1;BSN;WDR6;MAP4;NCKIPSD;COL7A1;TCTA;ZNF589	-0.38272	-2.7777	0.006087	0.209774
TP73-AS1;MEGF6;DFFB	-0.25995	-2.77747	0.006091	0.209784
MYH14	0.295952	2.777951	0.006082	0.209689
WDR45B	0.213946	2.776016	0.006117	0.210174
	-0.30737	-2.77741	0.006092	0.209784

	-0.27896	-2.77664	0.006106	0.209961
NWD1;MYO9B;BRD4;NOTCH3;RASAL3;SIN3B;KLF2;SYDE1;WIZ; C19orf44;TPM4	-0.355	-2.77416	0.00615	0.210802
MYO1C;INPP5K;HIC1;SCARF1;ENSG00000262003;SLC43A2	-0.23703	-2.77432	0.006148	0.210802
	-0.40076	-2.77741	0.006092	0.209784
	0.223858	2.77508	0.006134	0.21055
CSGALNACT1;LZTS1	-0.46955	-2.77344	0.006164	0.210993
	0.290787	2.774761	0.00614	0.210612
	0.157193	2.777048	0.006098	0.209891
	0.137202	2.774126	0.006151	0.210802
HLA-DMA;TAP1;TAP2;TAPSAR1;PSMB9;HLA-DPB1;HLA-DMB;HLA-DPA1;HLA-DOA;HLA-DRA	-0.34161	-2.7765	0.006108	0.210007
	-0.34683	-2.77232	0.006184	0.211291
ENSG00000272106;SKI;SSU72;ANKRD65;SAMD11;MXRA8;AURKAIP1;FAM41C	-0.2358	-2.77588	0.006119	0.210209
CARD8;HRC;CPT1C;PRRG2	0.282991	2.776273	0.006112	0.210099
	0.35415	2.775534	0.006126	0.21037
	-0.44287	-2.77623	0.006113	0.210107
	0.248834	2.776142	0.006115	0.21013
PREX1	-0.29104	-2.77393	0.006155	0.210837
RUNX3	0.527322	2.777525	0.00609	0.209784
	-0.16266	-2.77495	0.006136	0.210573
	-0.3639	-2.77275	0.006176	0.21119
KCNA2;KCNA3	0.303495	2.775953	0.006118	0.210179
	-0.3111	-2.77539	0.006128	0.210415
HOXA3;HOXA2	-0.27702	-2.77409	0.006152	0.21081
	-0.20492	-2.77493	0.006136	0.210573
SLC23A2;CDS2;CDC25B;PRNP	-0.53035	-2.77663	0.006106	0.209961
SYT11;NES;PEAR1;MEF2D;SH2D2A;LRRC71;NTRK1;ENSG00000223503	0.339424	2.775336	0.006129	0.210425
	0.292203	2.772095	0.006188	0.211291
	-0.27531	-2.77503	0.006135	0.210563
AFAP1L2;ADRB1	-0.43589	-2.77472	0.00614	0.210618
	0.310716	2.774843	0.006138	0.210595
GAS6;F10	-0.44206	-2.77431	0.006148	0.210802
BAIAP2;SLC25A10;PCYT2;RNF213	-0.3305	-2.77295	0.006172	0.211165
	0.205864	2.772313	0.006184	0.211291
RPS17L;UBE2Q2P6;RPS17	-0.50495	-2.77206	0.006189	0.211291
TRAF1	-0.37579	-2.77539	0.006128	0.210415
	0.182504	2.773459	0.006163	0.210993
	-0.24873	-2.77344	0.006163	0.210993
	0.374206	2.775219	0.006131	0.21048
	0.351667	2.77538	0.006128	0.210415
	-0.20671	-2.77295	0.006172	0.211165
	-0.42012	-2.77102	0.006208	0.211482
ZCCHC14	0.352107	2.773135	0.006169	0.211113

FGFBP1;LDB2	-0.32559	-2.77345	0.006163	0.210993
GJA1	0.483108	2.773083	0.00617	0.211128
	0.357344	2.774778	0.006139	0.210612
	0.316023	2.774896	0.006137	0.210579
	0.331322	2.772117	0.006187	0.211291
	-0.17381	-2.77263	0.006178	0.211202
	0.316705	2.77282	0.006175	0.21119
RNF166	0.315548	2.77265	0.006178	0.211202
	-0.21159	-2.77165	0.006196	0.211381
	0.384679	2.774144	0.006151	0.210802
NFATC4	-0.22545	-2.77426	0.006149	0.210802
	0.429083	2.773841	0.006156	0.210878
SNORA38	0.232183	2.77345	0.006163	0.210993
AQP1;PDE1C;INMT;ADCYAP1R1	0.361813	2.773586	0.006161	0.210993
CTBP2;OAT;LHPP;DHX32;BCCIP	-0.32104	-2.77114	0.006205	0.21144
	-0.39696	-2.774	0.006153	0.210833
	0.214528	2.770041	0.006225	0.211684
TRPV4;KCTD10	-0.3909	-2.77205	0.006189	0.211291
	-0.26159	-2.77426	0.006149	0.210802
	-0.23732	-2.77449	0.006145	0.210731
	0.324564	2.773964	0.006154	0.210835
	0.232372	2.772728	0.006176	0.21119
	-0.37331	-2.7722	0.006186	0.211291
CYTH3;RNF216	0.515634	2.773461	0.006163	0.210993
	0.362447	2.773278	0.006166	0.211041
	0.273095	2.772068	0.006188	0.211291
	0.216237	2.770257	0.006221	0.211645
GABBR1;HLA-A	0.245662	2.772415	0.006182	0.21128
DNAJC9-AS1	0.182282	2.770922	0.006209	0.211504
	0.272968	2.771255	0.006203	0.211419
TIGD4;SFRP2;TRIM2;TMEM154;KIAA0922	-0.40237	-2.7709	0.00621	0.211504
	0.397946	2.773995	0.006153	0.210833
CYB5R1	-0.3825	-2.77152	0.006198	0.211381
	0.300502	2.771405	0.0062	0.211392
	0.35989	2.772893	0.006173	0.211178
	0.341125	2.772942	0.006172	0.211165
	-0.56997	-2.77468	0.006141	0.210628
	0.34692	2.771291	0.006203	0.211413
	-0.28406	-2.76905	0.006244	0.211987
	-0.30746	-2.77039	0.006219	0.211643
MANSC1;PRB2;ETV6;DUSP16	-0.35065	-2.76971	0.006231	0.21179
	-0.21333	-2.7734	0.006164	0.211
DUSP10	-0.26513	-2.77067	0.006214	0.211562
CLEC1A;A2M;FAM66C;MFAP5	0.31223	2.769657	0.006232	0.211805
FER1L6;FAM83A;FER1L6-AS1;SQLE;ENSG00000255080;TBC1D31;FAM91A1;FAM83A-AS1;C8orf76	-0.35877	-2.77182	0.006193	0.21133

	0.303615	2.770293	0.006221	0.211645
	0.403624	2.771519	0.006198	0.211381
	-0.32616	-2.77151	0.006199	0.211381
	-0.28638	-2.77281	0.006175	0.21119
	0.19597	2.77335	0.006165	0.211013
MBP;ENSG00000265778	-0.41118	-2.76884	0.006247	0.212054
LRRC49;CT62;GRAMD2;THAP10;HEXA-AS1;MYO9A;PARP6	-0.3176	-2.76602	0.006299	0.212766
	-0.17309	-2.77196	0.00619	0.211302
	-0.2974	-2.77279	0.006175	0.21119
CALM1;TC2N;RPS6KA5;ENSG00000260711;CCDC88C;ATXN3	-0.37952	-2.76859	0.006252	0.21209
WDR45B;TBCD	-0.30057	-2.7713	0.006202	0.211413
	0.300773	2.77097	0.006208	0.211494
	-0.1889	-2.76684	0.006284	0.212552
CACNA1C	0.245505	2.772277	0.006185	0.211291
	-0.20535	-2.76916	0.006242	0.211965
	0.289225	2.771437	0.0062	0.21139
	0.214576	2.771182	0.006204	0.211434
	0.25809	2.769836	0.006229	0.211729
ENSG00000235531;TRPA1	0.449761	2.772609	0.006179	0.211202
	-0.32173	-2.77106	0.006207	0.211472
GPR133	-0.29383	-2.7724	0.006182	0.21128
	0.352945	2.772711	0.006177	0.21119
	0.287409	2.770043	0.006225	0.211684
CAPN5;LRRC32	0.381178	2.770255	0.006221	0.211645
ANGPTL7	0.258233	2.771805	0.006193	0.21133
	0.179818	2.771329	0.006202	0.211413
	-0.31691	-2.7706	0.006215	0.211591
	-0.21285	-2.77204	0.006189	0.211291
	0.40838	2.77155	0.006198	0.211381
	-0.27423	-2.77161	0.006197	0.211381
FUCA1;GALE;SRRM1;PITHD1;CLIC4;STPG1;ENSG00000261326;				
HMGCL;LUZP1;ID3;LYPLA2;RCAN3	-0.34411	-2.76941	0.006237	0.211897
	-0.20412	-2.77164	0.006196	0.211381
AQP1;GGCT;PRR15	-0.25594	-2.77187	0.006192	0.21133
TNFSF14	-0.39781	-2.77209	0.006188	0.211291
	0.264867	2.770433	0.006218	0.211642
CLEC1A;YBX3	0.358171	2.772076	0.006188	0.211291
INPP5A	-0.22086	-2.77077	0.006212	0.211547
HOXB4;HOXB-AS2;NXPH3;LRRC46;PRR15L;TTLL6	-0.43642	-2.77024	0.006222	0.211645
	-0.61999	-2.77203	0.006189	0.211291
KIF26A;C14orf2;INF2;C14orf79;JAG2	-0.23296	-2.77183	0.006193	0.21133
	0.428509	2.770873	0.00621	0.211504
	-0.34665	-2.77052	0.006217	0.211624
PSAPL1;ABLIM2;S100P;KIAA0232;SORCS2;AFAP1;CCDC96;SH3T				
C1	0.221115	2.770061	0.006225	0.211684

ELF3;CYB5R1;RNPEP;PPP1R12B;LMOD1;CSRP1;TMEM9;LGR6;ADIPOR1;IPO9;KLHL12;UBE2T;KDM5B;TMEM183A;NAV1;KIF21B;ENSG00000234678;RABIF;SYT2;TIMM17A	-0.34005	-2.77118	0.006205	0.211434
ENSG00000225746;ENSG00000271417;MEG8;MEG3	-0.33213	-2.76859	0.006252	0.21209
	0.122389	2.771992	0.00619	0.211298
INPP5A;ECHS1	-0.23203	-2.76837	0.006256	0.212168
	0.306486	2.771436	0.0062	0.21139
	0.254974	2.768363	0.006256	0.212168
HSD17B8	-0.1422	-2.76908	0.006243	0.211987
ZNF546	0.2952	2.767877	0.006265	0.212251
	-0.3228	-2.77028	0.006221	0.211645
	-0.37122	-2.77072	0.006213	0.211547
ROCK2	-0.25238	-2.76634	0.006293	0.21269
	-0.34489	-2.77009	0.006224	0.211684
	0.184465	2.765322	0.006312	0.21289
ZNF229	-0.23698	-2.76635	0.006293	0.21269
PIK3C2B;MDM4;SNRPE	-0.41233	-2.77001	0.006226	0.211689
	-0.28728	-2.77038	0.006219	0.211643
	-0.20836	-2.76942	0.006237	0.211897
MEGF6;LINC00982;PRDM16;ENSG00000272235	0.255963	2.770723	0.006213	0.211547
IFNG-AS1;MDM2;ENSG00000251301	-0.338	-2.76829	0.006257	0.212168
	-0.27402	-2.76897	0.006245	0.21201
	-0.24609	-2.76793	0.006264	0.212251
CD248;EFEMP2;LTBP3;CTSF;TM7SF2;CCS;SIPA1;SLC25A45;PPP2R5B;SNX15;SF3B2;MAP3K11;RNASEH2C;FIBP;CNIH2;ZNHIT2;EHBP1L1;PELI3;NAALADL1;BANF1;ENSG00000254510;YIF1A;CST6	0.317566	2.767474	0.006272	0.21236
	0.848131	2.764022	0.006336	0.213021
	0.228238	2.769186	0.006241	0.211963
SCUBE1;ENSG00000226328;NUP50;PARVB;ENSG00000230922	-0.3741	-2.76794	0.006264	0.212251
	0.292992	2.768774	0.006249	0.212068
	0.328999	2.768342	0.006256	0.212168
FSTL3;PALM;PPAP2C;ADAMTSL5;MUM1;SHC2;OAZ1;MISP;TCF3;GAMT;SF3A2;BTBD2	-0.21425	-2.76696	0.006282	0.212511
BCL11B;DEGS2;EVL	0.342073	2.768826	0.006248	0.212054
SLC36A1;CD74	0.28255	2.770483	0.006217	0.211628
	0.217643	2.76645	0.006291	0.21268
	0.144644	2.769892	0.006228	0.211729
SOWAHB	-0.31122	-2.76706	0.00628	0.212496
	0.265314	2.764849	0.006321	0.212902
	0.26641	2.767425	0.006273	0.21236
	-0.3009	-2.76814	0.00626	0.212241
	0.279753	2.769256	0.00624	0.211949
	-0.52298	-2.77004	0.006225	0.211684
SCARF1;FAM101B;MYO1C;YWHAE;HIC1	-0.31111	-2.76924	0.00624	0.211949
HCP5;LTB;HLA-B;HLA-DRA;HSPA1A;HSPA1B;DDR1	0.297189	2.76904	0.006244	0.211987

FCHO1;JAK3;IL12RB1;FAM129C;MYO9B	0.367529	2.769875	0.006228	0.211729
	0.214032	2.766777	0.006285	0.212554
	-0.17791	-2.7694	0.006237	0.211897
TMEM204;HN1L;SOX8;ENSG00000260807	0.425725	2.767978	0.006263	0.212251
	-0.19733	-2.76831	0.006257	0.212168
	-0.26733	-2.76836	0.006256	0.212168
	0.267341	2.767806	0.006266	0.212251
	-0.33372	-2.7674	0.006274	0.21236
	-0.46545	-2.76806	0.006262	0.212251
	0.354671	2.769274	0.006239	0.211949
	-0.35649	-2.76961	0.006233	0.211817
	0.307545	2.764362	0.00633	0.212983
IFT46;AMICA1;MCAM;KMT2A;CCDC153;TRAPPC4;C2CD2L;MPZL3;USP2	-0.22118	-2.76492	0.00632	0.212902
	-0.28583	-2.76867	0.00625	0.212082
	-0.27641	-2.7679	0.006265	0.212251
C4A;ENSG00000225914	-0.43231	-2.76742	0.006273	0.21236
TESPA1;NCKAP1L;ITGB7;ITGA5;PDE1B	0.259679	2.766201	0.006296	0.212729
DNAH6;DUXAP1;TRABD2A;MAT2A;GGCX;LDHAP7;POLR1A;CAPG	-0.28953	-2.76736	0.006275	0.212362
LRRC59	0.337741	2.768109	0.006261	0.212246
	0.23584	2.767885	0.006265	0.212251
	-0.23625	-2.76874	0.006249	0.21207
	-0.26767	-2.76858	0.006252	0.21209
	-0.1897	-2.76764	0.006269	0.212337
	0.303218	2.767552	0.006271	0.212357
MAPK10;C4orf36;NUDT9;KLHL8;HSP90AB3P	-0.41648	-2.76642	0.006292	0.21268
	0.331931	2.769832	0.006229	0.211729
	-0.24559	-2.76596	0.0063	0.212766
	-0.25492	-2.76532	0.006312	0.21289
RNF166	0.31523	2.767824	0.006266	0.212251
	0.351928	2.767846	0.006266	0.212251
MEG3;DEGS2	-0.26859	-2.76713	0.006279	0.212487
C17orf89;STRA13	-0.29868	-2.76882	0.006248	0.212054
	-0.32618	-2.76596	0.0063	0.212766
	-0.2176	-2.76684	0.006284	0.212552
	-0.25123	-2.76556	0.006308	0.212874
MRPS7;ICT1;HN1;ATP5H;SLC9A3R1	-0.30463	-2.76673	0.006286	0.212567
	0.303409	2.765584	0.006307	0.212874
PTPRB	0.396305	2.765499	0.006309	0.212881
	-0.24349	-2.76748	0.006272	0.21236
	-0.70354	-2.76596	0.0063	0.212766
	0.330497	2.766046	0.006299	0.212766
SNX29;LITAF;ZC3H7A	-0.3329	-2.7653	0.006313	0.21289
SECTM1;CD7	0.278331	2.765731	0.006305	0.21282
	0.268187	2.766452	0.006291	0.21268
PPP1R18;DDR1	-0.38135	-2.76447	0.006328	0.21298

	0.273853	2.76483	0.006321	0.212902
	0.316322	2.766797	0.006285	0.212554
LINC00663;SSBP4	-0.29289	-2.76578	0.006304	0.21282
	-0.21567	-2.76443	0.006329	0.21298
	-0.251	-2.76297	0.006356	0.213212
	0.323905	2.763808	0.00634	0.213063
SNX29;LITAF;ENSG00000188897;CPPED1	-0.27625	-2.76525	0.006313	0.212902
	0.236542	2.765734	0.006304	0.21282
CEP41;SMO;NRF1;KLHDC10;UBE2H;SMKR1;FLNC;TSPAN33;IRF5				
;TPI1P2	-0.29902	-2.7678	0.006266	0.212251
STRBP;GGTA1P	0.444681	2.764823	0.006321	0.212902
	-0.31779	-2.76622	0.006296	0.212729
	0.261403	2.763711	0.006342	0.213063
	-0.1584	-2.76347	0.006346	0.213104
CEP104;TP73	-0.40094	-2.76468	0.006324	0.212921
TBC1D10C	-0.43225	-2.76756	0.006271	0.212357
	0.184952	2.763767	0.006341	0.213063
AP3M2;SMIM19;SLC20A2;GINS4;VDAC3	-0.25379	-2.76231	0.006368	0.213318
	0.340964	2.766955	0.006282	0.212511
RNU2-59P	-0.31002	-2.76702	0.006281	0.212505
	0.358734	2.766214	0.006296	0.212729
	0.244978	2.76511	0.006316	0.212902
MRPS7;SPHK1;ICT1;CASKIN2;ST6GALNAC1;SMIM6;GALK1	0.311861	2.764858	0.006321	0.212902
	0.131834	2.765033	0.006317	0.212902
	0.264099	2.766545	0.00629	0.212665
	-0.2009	-2.76171	0.006379	0.213452
	0.2914	2.765398	0.006311	0.212888
	-0.34338	-2.76739	0.006274	0.21236
	0.337132	2.765443	0.00631	0.212882
	-0.24104	-2.76706	0.00628	0.212496
ARID3A	-0.22536	-2.76582	0.006303	0.21282
	-0.31188	-2.76508	0.006317	0.212902
	-0.28821	-2.76538	0.006311	0.212888
SKI;MXRA8;PRDM16;NADK	0.480346	2.766414	0.006292	0.21268
	0.225384	2.762147	0.006371	0.213318
	-0.18918	-2.76595	0.0063	0.212766
	-0.17411	-2.76617	0.006296	0.212729
PSMB3;MLLT6;MIEN1	-0.26269	-2.76431	0.006331	0.212983
TLN2;RAB8B;TPM1;ENSG00000259498;ENSG00000166104	0.36013	2.765127	0.006316	0.212902
	-0.28298	-2.7646	0.006326	0.212926
	0.305849	2.765449	0.00631	0.212882
	-0.21482	-2.76459	0.006326	0.212926
	0.299151	2.765739	0.006304	0.21282
	0.307607	2.763622	0.006344	0.213063
	-0.21018	-2.76237	0.006367	0.213318

	-0.27273	-2.76416	0.006334	0.213021
SERPINB6;TUBB2A	-0.34654	-2.76568	0.006306	0.212836
GNG12	-0.23605	-2.76503	0.006317	0.212902
INPP5D;NGEF	0.32692	2.763274	0.00635	0.21313
	-0.17951	-2.76247	0.006365	0.213318
	-0.19206	-2.76471	0.006324	0.212921
	-0.32703	-2.76518	0.006315	0.212902
	0.298082	2.762966	0.006356	0.213212
	0.339455	2.761126	0.00639	0.213493
	0.200412	2.764023	0.006336	0.213021
	-0.51077	-2.76385	0.006339	0.213063
	0.30931	2.764427	0.006329	0.21298
MXRA8;SAMD11;ANKRD65;RNF223;ENSG00000272106;ENSG0				
0000223764;SKI;VWA1;ENSG00000271847;TTLL10	-0.32984	-2.76374	0.006341	0.213063
	-0.33285	-2.76433	0.00633	0.212983
	0.420716	2.764763	0.006322	0.212904
ERO1L	0.198996	2.764158	0.006334	0.213021
	0.240751	2.765173	0.006315	0.212902
LIMD2;ENSG00000265702	0.303133	2.765011	0.006318	0.212902
PVRL3;C3orf52;ENSG00000261488;CD200;ENSG00000272761;				
GCSAM;PHLDB2;SLC9C1;TMPRSS7;CCDC80	0.428725	2.762672	0.006361	0.213272
FTSJ2	0.257627	2.764792	0.006322	0.212902
EXOC6B	-0.50287	-2.76308	0.006354	0.213212
	0.289827	2.762159	0.006371	0.213318
	0.193516	2.761419	0.006385	0.21349
	0.38624	2.761136	0.00639	0.213493
	0.316336	2.762786	0.006359	0.213234
TMEM105;TBCD;LINC00482;WDR45B	0.263012	2.762534	0.006364	0.213318
	0.190151	2.764805	0.006322	0.212902
	0.284659	2.765531	0.006308	0.212878
	0.409135	2.763633	0.006343	0.213063
	0.316327	2.763396	0.006348	0.213104
CIITA;TXNDC11	0.275735	2.764317	0.006331	0.212983
	0.192494	2.762227	0.00637	0.213318
	-0.33195	-2.76499	0.006318	0.212902
ABHD17C;KIAA1199;ENSG00000259649	-0.42315	-2.76494	0.006319	0.212902
	0.323282	2.762979	0.006356	0.213212
	0.304031	2.763631	0.006343	0.213063
	-0.32089	-2.76464	0.006325	0.212926
SCCPDH	-0.25035	-2.76407	0.006335	0.213021
CYTIP;UPP2	-0.42611	-2.76367	0.006343	0.213063
IL2RB	-0.16501	-2.76372	0.006342	0.213063
	-0.29501	-2.76407	0.006335	0.213021
C17orf66;SLFN12L	-0.27776	-2.76317	0.006352	0.213178
	0.188904	2.761388	0.006385	0.21349
	-0.27397	-2.76296	0.006356	0.213212

TSPAN4;IGF2;MUC5AC;MRPL23;TALDO1;ENSG00000250397;D				
EAF1;CD81	-0.27219	-2.75962	0.006418	0.214011
	0.333874	2.764197	0.006333	0.213021
	-0.49671	-2.76334	0.006349	0.213104
MLLT4;SMOC2;FGFR1OP;ENSG00000228648;DACT2	-0.57577	-2.76214	0.006371	0.213318
RUNX3;STPG1;IL22RA1	-0.36203	-2.76405	0.006336	0.213021
	0.347371	2.762873	0.006358	0.21323
	-0.31186	-2.76124	0.006388	0.213493
	-0.18896	-2.76358	0.006344	0.213071
	-0.30442	-2.76195	0.006375	0.213369
MEG3	-0.39426	-2.76109	0.006391	0.213493
ANKDD1B;POC5	-0.44852	-2.76146	0.006384	0.21349
TNFAIP2	-0.24073	-2.76206	0.006373	0.213338
	0.13628	2.762621	0.006362	0.213287
MISP;ARID3A;PPAP2C;FSTL3;GPX4	-0.35187	-2.7622	0.00637	0.213318
NDUFS3	-0.30115	-2.76291	0.006357	0.213225
TSPAN32;C11orf89;NAP1L4;MRPL23;CARS;C11orf21;IGF2	-0.3374	-2.75903	0.00643	0.214021
	0.25665	2.762789	0.006359	0.213234
	0.314167	2.763557	0.006345	0.213071
HCP5;HSPA1B;C2;HSPA1A;CLIC1	0.240456	2.762825	0.006358	0.213234
	0.30818	2.76343	0.006347	0.213104
RAB2B	0.18842	2.763985	0.006337	0.213021
	0.217783	2.76399	0.006337	0.213021
	0.223562	2.76237	0.006367	0.213318
	0.306394	2.761191	0.006389	0.213493
CDK8	-0.2389	-2.76302	0.006355	0.213212
DHX16;TRIM31;PPP1R18;DDR1;GABBR1;NRM;TRIM26	0.555543	2.763937	0.006338	0.213034
	-0.37684	-2.76337	0.006348	0.213104
	-0.40114	-2.761	0.006393	0.213521
GPR161;DUSP27	0.296858	2.760965	0.006393	0.213521
	0.207699	2.760046	0.00641	0.213897
NCKAP5	-0.24705	-2.75828	0.006444	0.214128
	0.33474	2.762264	0.006369	0.213318
	0.2848	2.76141	0.006385	0.21349
ADAMTS9-AS2;ADAMTS9-AS1;SNTN;ADAMTS9;SYNPR-AS1	-0.37822	-2.75951	0.006421	0.214021
ITGA11;CALML4;GLCE;PIAS1;KIF23	0.390097	2.762444	0.006366	0.213318
	0.210501	2.762102	0.006372	0.213327
	-0.2902	-2.76066	0.006399	0.21366
ELF1	0.405118	2.76338	0.006348	0.213104
	0.259576	2.75936	0.006423	0.214021
	-0.39018	-2.75952	0.00642	0.214021
	0.313704	2.762217	0.00637	0.213318
	0.213189	2.758157	0.006446	0.214162
	-0.30256	-2.76097	0.006393	0.213521
MIPOL1	-0.63296	-2.76184	0.006377	0.213405

	-0.27347	-2.76077	0.006397	0.213607
HN1L	0.241474	2.761526	0.006383	0.21349
SLIT3;WWC1	-0.47161	-2.7612	0.006389	0.213493
	-0.17677	-2.76233	0.006368	0.213318
	0.379724	2.762714	0.006361	0.213262
	0.334397	2.758997	0.00643	0.214021
	0.316634	2.760036	0.006411	0.213897
ENSG00000269938	-0.21982	-2.75907	0.006429	0.214021
	0.298799	2.76227	0.006369	0.213318
DOC2B	0.194787	2.761516	0.006383	0.21349
	0.279368	2.762424	0.006366	0.213318
	0.304172	2.759201	0.006426	0.214021
	-0.24245	-2.76134	0.006386	0.213493
SH2D2A;PEAR1;SYT11	-0.27904	-2.76188	0.006376	0.213399
	-0.18272	-2.75923	0.006426	0.214021
PTCH1	-0.3867	-2.7615	0.006383	0.21349
	-0.26151	-2.76002	0.006411	0.213897
HCP5;HSPA1A;SLC44A4;DDR1;HLA-B;BAG6;HLA-DRB5;CLIC1	0.359755	2.761578	0.006382	0.21349
FAM83F	-0.23315	-2.75983	0.006415	0.213958
TCTN1;IFT81;TRPV4;MMAB;USP30;KCTD10;C12orf76	-0.45851	-2.75906	0.006429	0.214021
MISP;MIDN	0.30965	2.761325	0.006386	0.213493
EVI2B;EVI2A;ENSG00000265739	-0.33857	-2.75975	0.006416	0.213963
TTC39A;ENSG00000261664;AGBL4	0.272386	2.758551	0.006439	0.214081
	-0.28933	-2.75931	0.006424	0.214021
GALE	-0.28991	-2.76109	0.006391	0.213493
	-0.29625	-2.75832	0.006443	0.214127
	0.30222	2.761282	0.006387	0.213493
	0.302072	2.758264	0.006444	0.214128
ZNF169;FGD3	0.313554	2.761447	0.006384	0.21349
	-0.31056	-2.76044	0.006403	0.213766
	-0.33304	-2.7618	0.006378	0.213415
	-0.60427	-2.75845	0.00644	0.214096
CPSF3;YWHAQ	0.300479	2.758229	0.006445	0.214134
	-0.37373	-2.76029	0.006406	0.213791
	0.306949	2.761465	0.006384	0.21349
	-0.21382	-2.7597	0.006417	0.213981
NPLOC4;OXLD1;STRA13;BAIAP2;PCYT2;SIRT7;SLC25A10;ANAPC 11	-0.22547	-2.75577	0.006491	0.214744
	-0.21383	-2.75898	0.00643	0.214021
	-0.274	-2.75951	0.00642	0.214021
	0.27955	2.758939	0.006431	0.214021
	0.333244	2.760503	0.006402	0.213742
BIN2	-0.35274	-2.7603	0.006406	0.213791
C22orf23;MFNG	-0.29555	-2.7587	0.006436	0.214023
LETM1;ATP5I;WHSC1;ZNF876P	-0.65524	-2.76199	0.006374	0.213364
	0.32309	2.761231	0.006388	0.213493

	0.385906	2.759046	0.006429	0.214021
	0.183329	2.760042	0.006411	0.213897
	0.270719	2.760333	0.006405	0.213791
	-0.2345	-2.75904	0.006429	0.214021
BAK1;TAP1;TAP2;HSPA1L;KIFC1	0.349107	2.758736	0.006435	0.214023
	0.246063	2.75703	0.006467	0.214498
	0.334897	2.755406	0.006498	0.214776
	-0.32461	-2.7579	0.006451	0.214275
	0.262686	2.760849	0.006395	0.213576
GRTP1	-0.35481	-2.75911	0.006428	0.214021
CDON	-0.17807	-2.7568	0.006472	0.214513
	0.305818	2.75887	0.006433	0.214023
	0.237728	2.756957	0.006469	0.214498
	-0.2022	-2.75652	0.006477	0.214537
	0.309925	2.759881	0.006414	0.213958
	0.29727	2.757456	0.006459	0.214468
	-0.23347	-2.75872	0.006435	0.214023
TNKS	0.302527	2.758421	0.006441	0.214096
	0.26845	2.758814	0.006434	0.214023
	-0.29018	-2.75864	0.006437	0.214042
LY9;CD84;CD48;SLAMF1	0.20313	2.754182	0.006521	0.214975
	-0.28552	-2.75655	0.006476	0.214537
RFTN2	0.31876	2.758967	0.006431	0.214021
MMRN2	-0.42001	-2.76041	0.006404	0.213766
TIE1;ELOVL1;PPCS	0.205841	2.7566	0.006475	0.214537
	0.256437	2.757143	0.006465	0.214498
ADAMTS10;ZNF358;KANK3;ZNF559;STXBP2	0.348589	2.757255	0.006463	0.214498
	-0.19784	-2.75936	0.006423	0.214021
ZNF473;CCDC114;CPT1C;MED25;VRK3;ENSG00000269091;FA				
M83E;PTOV1-AS1;SLC6A16;FUZ;ENSG00000197813	0.33805	2.75879	0.006434	0.214023
	-0.32233	-2.75895	0.006431	0.214021
ZNF683;THEMIS2	-0.4032	-2.75779	0.006453	0.214325
	0.233609	2.759781	0.006415	0.213961
GFI1	-0.30424	-2.75933	0.006424	0.214021
VIMP;DNM1P47;TARSL2;ASB7;ENSG00000259430	0.403838	2.756492	0.006477	0.21454
CARS;ENSG00000255367;CDKN1C	-0.39175	-2.75542	0.006498	0.214776
	0.255716	2.754371	0.006518	0.214975
NOVA2;GIPR;ERCC1;NPAS1	-0.33098	-2.75896	0.006431	0.214021
EDEM2;PROCR;ERGIC3	0.283551	2.752846	0.006547	0.215272
	-0.25491	-2.75909	0.006428	0.214021
	-0.31319	-2.75983	0.006414	0.213958
IFNE;CDKN2B;CDKN2A	0.194182	2.755774	0.006491	0.214744
	-0.28527	-2.75873	0.006435	0.214023
	0.239799	2.757957	0.00645	0.214254
	0.336869	2.756759	0.006472	0.214523
	0.292359	2.756215	0.006483	0.214681
	0.267825	2.757059	0.006467	0.214498

MYCBP;MACF1;TRIT1;HEYL;PPIE;AKIRIN1;ZMPSTE24	-0.45541	-2.75532	0.0065	0.214792
ENSG00000242299	-0.18829	-2.75606	0.006486	0.214692
	0.36152	2.758496	0.00644	0.214096
	0.366212	2.757576	0.006457	0.214443
	0.201749	2.759813	0.006415	0.213958
	-0.40611	-2.75577	0.006491	0.214744
	0.147754	2.756964	0.006469	0.214498
	-0.25637	-2.75928	0.006425	0.214021
	-0.2492	-2.75875	0.006435	0.214023
SIGLEC1	-0.3016	-2.7549	0.006508	0.214912
	-0.66456	-2.75371	0.00653	0.21506
	-0.25996	-2.75902	0.00643	0.214021
	0.26158	2.758815	0.006434	0.214023
	-0.28833	-2.75845	0.006441	0.214096
	-0.24186	-2.75712	0.006466	0.214498
CDH2	0.324328	2.755719	0.006492	0.21476
	0.205136	2.757483	0.006459	0.214468
PALM;ATP8B3	-0.37271	-2.75442	0.006517	0.214975
CTSW;NRXN2;BATF2;SIPA1;SLC25A45	0.189907	2.758046	0.006448	0.214215
	0.208848	2.757252	0.006463	0.214498
	0.286837	2.756851	0.006471	0.214513
	0.259546	2.757404	0.00646	0.214484
IL17RD;ERC2	0.259971	2.755485	0.006497	0.214776
	0.298448	2.759169	0.006427	0.214021
	-0.32147	-2.75653	0.006477	0.214537
	-0.40696	-2.75752	0.006458	0.214463
ZNF382;ZFP82;ZNF568;ZNF529;ZNF566	0.281349	2.755158	0.006503	0.214796
	-0.31463	-2.7538	0.006529	0.215034
	0.197827	2.757102	0.006466	0.214498
MKS1;BZRAP1;DGKE	-0.32807	-2.75838	0.006442	0.214103
	-0.1881	-2.7572	0.006464	0.214498
	-0.18309	-2.75452	0.006515	0.214975
	0.351535	2.756152	0.006484	0.214692
BCL6B;CLDN7;MPDU1;ACAP1;MIR497HG	-0.22647	-2.75611	0.006485	0.214692
C15orf27	-0.33557	-2.75601	0.006487	0.214692
	0.247656	2.756601	0.006475	0.214537
ENSG00000240859	-0.29488	-2.75704	0.006467	0.214498
	-0.31071	-2.75429	0.006519	0.214975
RNF216;RAC1	-0.46933	-2.75252	0.006553	0.215298
	-0.33791	-2.75539	0.006498	0.214776
	0.227932	2.756917	0.006469	0.214501
CSF1;GSTM5;GSTM3;CLCC1;SYPL2	0.313985	2.757009	0.006468	0.214498
	-0.44292	-2.7569	0.00647	0.214501
	-0.43297	-2.75667	0.006474	0.214537
	-0.63777	-2.75045	0.006593	0.215869
	0.236722	2.757125	0.006465	0.214498
	-0.31174	-2.75733	0.006462	0.214496

	0.293469	2.755276	0.006501	0.214795
SPECC1;ENSG00000264932	0.309221	2.756021	0.006486	0.214692
ZDHHC13;HTATIP2	-0.38335	-2.75634	0.00648	0.214617
	0.272558	2.754736	0.006511	0.214975
TACC1;PPAPDC1B;FGFR1;GPR124;DDHD2;PLEKHA2;ZNF703	-0.30214	-2.75353	0.006534	0.215124
	0.257955	2.75735	0.006461	0.214496
SSC5D;ZNF865;TMC4	0.491692	2.753412	0.006536	0.215173
RER1;MEGF6;PRDM16;LINC00982	0.4555	2.756106	0.006485	0.214692
LINC00908	0.341983	2.755502	0.006496	0.214776
NFIX	-0.17569	-2.75661	0.006475	0.214537
SUN1	-0.32994	-2.75399	0.006525	0.214986
C14orf142	-0.26406	-2.75402	0.006524	0.214983
	-0.33525	-2.75564	0.006494	0.214776
	0.355916	2.753954	0.006526	0.214989
DLL4;C15orf52;RMDN3	0.324081	2.754543	0.006514	0.214975
CTBS;RPF1	0.487719	2.755958	0.006488	0.21471
	0.253033	2.754222	0.006521	0.214975
PKP1;LAD1;PTPN7;ENSG00000224818	-0.32393	-2.75582	0.00649	0.214744
	-0.3413	-2.75428	0.00652	0.214975
DHRS3;FBXO6	0.354542	2.755061	0.006505	0.214825
	-0.24245	-2.75541	0.006498	0.214776
	-0.35864	-2.75451	0.006515	0.214975
	0.356807	2.756643	0.006475	0.214537
	0.249932	2.757249	0.006463	0.214498
	0.350297	2.753716	0.00653	0.21506
	-0.5072	-2.75149	0.006573	0.215561
	0.246354	2.755868	0.006489	0.214744
UNC79;PPP4R4;ASB2;PRIMA1;IFI27L2;C14orf142	0.282513	2.752767	0.006548	0.215288
	-0.15735	-2.75413	0.006522	0.214975
	0.269655	2.754381	0.006518	0.214975
	0.336174	2.754258	0.00652	0.214975
ZNF154;ZNF584	0.391623	2.755425	0.006498	0.214776
	0.277232	2.753623	0.006532	0.215094
	0.173264	2.755267	0.006501	0.214795
LCK;LAPTM5	-0.20119	-2.7555	0.006496	0.214776
	-0.54342	-2.75549	0.006497	0.214776
POLD3;KCNE3;KLHL35	-0.17145	-2.75516	0.006503	0.214796
MRRF;LHX6	0.518564	2.756808	0.006471	0.214513
	0.157526	2.753371	0.006537	0.215173
GPR110	0.309426	2.754561	0.006514	0.214975
	0.259509	2.755536	0.006496	0.214776
	-0.32373	-2.75603	0.006486	0.214692
ABHD6	0.27123	2.754622	0.006513	0.214975
	-0.23495	-2.75252	0.006553	0.215298
	0.259287	2.753398	0.006536	0.215173
	-0.34479	-2.75538	0.006499	0.214776

TTC22	0.261644	2.755139	0.006503	0.214796
	0.196634	2.752404	0.006555	0.215298
APBB2	0.244653	2.749307	0.006615	0.216211
RUNX3	0.358336	2.754405	0.006517	0.214975
	0.2176	2.750766	0.006587	0.215754
	0.305008	2.752737	0.006549	0.215291
	0.22694	2.752639	0.006551	0.215298
	0.34003	2.754131	0.006522	0.214975
	-0.15433	-2.75314	0.006541	0.215239
	0.329824	2.752983	0.006544	0.215239
	0.236749	2.755133	0.006503	0.214796
	0.419908	2.754016	0.006525	0.214983
	0.32912	2.753869	0.006527	0.215009
	0.445503	2.754738	0.006511	0.214975
C7orf57;ABCA13;UPP1;PKD1L1;HUS1	-0.32856	-2.75192	0.006565	0.215442
	0.154032	2.754173	0.006522	0.214975
	0.326492	2.75282	0.006547	0.215272
	-0.31421	-2.7516	0.006571	0.215528
	0.33497	2.754601	0.006513	0.214975
	-0.3134	-2.75206	0.006562	0.215405
	0.284611	2.752615	0.006551	0.215298
GAS8;ENSG00000260259;SPATA33;SPIRE2;C16orf3;ANKRD11	-0.37479	-2.75429	0.006519	0.214975
	0.340479	2.753879	0.006527	0.215009
	-0.22	-2.75434	0.006518	0.214975
	0.368891	2.752604	0.006552	0.215298
ENSG00000265458	-0.24537	-2.75284	0.006547	0.215272
	0.334099	2.753062	0.006543	0.215239
	0.288689	2.750713	0.006588	0.215771
	0.254834	2.752281	0.006558	0.215346
RRP12	0.219835	2.754308	0.006519	0.214975
S100PBP	0.338811	2.755174	0.006502	0.214796
ABLIM3;MIR143HG;MIR145;ENSG00000253864;MIR143	0.22786	2.75451	0.006515	0.214975
	-0.21733	-2.75197	0.006564	0.215441
	-0.20437	-2.75316	0.006541	0.215239
	0.268194	2.754061	0.006524	0.214983
TRAF4	-0.39776	-2.75249	0.006554	0.215298
	-0.29243	-2.75216	0.00656	0.215372
	0.241612	2.751293	0.006577	0.215604
	-0.32892	-2.75299	0.006544	0.215239
	-0.20347	-2.7536	0.006532	0.215094
BAIAP2;RNF213;PCYT2	0.399653	2.753268	0.006539	0.215222
BAIAP2;RNF213	0.280973	2.753024	0.006543	0.215239
	0.393157	2.754108	0.006523	0.214975
	0.239253	2.751319	0.006576	0.215604
	0.253825	2.752383	0.006556	0.215298
	0.368536	2.752564	0.006552	0.215298

	0.272719	2.749826	0.006605	0.216033
	0.201393	2.75164	0.00657	0.215518
	-0.33352	-2.74857	0.006629	0.216349
	0.299497	2.752983	0.006544	0.215239
	0.223043	2.750215	0.006597	0.215919
	-0.23881	-2.75282	0.006547	0.215272
KIAA1462;SVIL;PTCHD3P1;MPP7;WAC-AS1	-0.41518	-2.75094	0.006583	0.215709
	-0.28422	-2.75153	0.006572	0.215557
UBL3;POMP;LINC00365	-0.372	-2.74915	0.006618	0.216229
ADARB1	0.310607	2.751945	0.006564	0.215442
CIB1;ABHD2;MFGE8;KIF7;HAPLN3;ACAN;PEX11A;WDR93	0.27302	2.751344	0.006576	0.215604
	0.313975	2.75457	0.006514	0.214975
ARID3A;HMHA1	0.256126	2.751856	0.006566	0.215462
	0.297208	2.750542	0.006591	0.215845
HDAC3	-0.18861	-2.75095	0.006583	0.215709
	0.347481	2.74698	0.00666	0.21667
	-0.16063	-2.74782	0.006644	0.216539
PLVAP;USHBP1;MYO9B;NR2F6;KLF2;NWD1	-0.41894	-2.75081	0.006586	0.215754
MEGF6;RER1;SKI;TPRG1L;PRDM16	0.338277	2.753061	0.006543	0.215239
RPS3AP26	0.297929	2.750258	0.006597	0.215909
	0.201769	2.752133	0.006561	0.215373
SLC17A9;RGS19	-0.41101	-2.74962	0.006609	0.216113
	-0.17668	-2.75182	0.006567	0.215462
	0.258514	2.750586	0.00659	0.215835
	0.322451	2.752977	0.006544	0.215239
ENSG00000255248	-0.39143	-2.74922	0.006617	0.216216
	0.358435	2.750826	0.006586	0.215754
EXOC3L2;NOVA2	0.32656	2.752223	0.006559	0.215365
	0.219564	2.751162	0.006579	0.21567
	0.31816	2.752976	0.006544	0.215239
	0.286846	2.745818	0.006683	0.216862
	0.234171	2.747801	0.006644	0.216539
MFSD6;C2orf88;NAB1	-0.43067	-2.75131	0.006576	0.215604
	0.343873	2.752431	0.006555	0.215298
	-0.23698	-2.7518	0.006567	0.215462
DIP2C	0.436227	2.749766	0.006606	0.216054
	0.248035	2.747345	0.006653	0.216626
	-0.51782	-2.74906	0.00662	0.216253
	0.330026	2.749687	0.006608	0.216087
	-0.2654	-2.75239	0.006556	0.215298
	0.306535	2.750104	0.0066	0.215973
	0.384629	2.748817	0.006624	0.216322
	0.276458	2.750963	0.006583	0.215709
	-0.37841	-2.75247	0.006554	0.215298
	-0.44391	-2.75248	0.006554	0.215298
	0.287373	2.748194	0.006636	0.216504

INMT;PRR15;AQP1;ENSG00000223813;CHN2;FAM188B	0.410362	2.750346	0.006595	0.21587
	0.333938	2.751781	0.006567	0.215462
	0.216802	2.749867	0.006604	0.216033
EFS;AJUBA;SLC7A7;CDH24;REM2;SLC22A17;ZFHX2;RBM23	-0.28214	-2.74837	0.006633	0.216425
	0.325204	2.751693	0.006569	0.215501
	-0.34758	-2.74984	0.006605	0.216033
	0.352193	2.751436	0.006574	0.21558
HAUS3	0.277501	2.750507	0.006592	0.215851
	0.356948	2.748639	0.006628	0.216337
ARRB2;ATP2A3;RAP1GAP2	0.310836	2.747996	0.00664	0.216525
	-0.22026	-2.75078	0.006587	0.215754
	0.26673	2.749429	0.006613	0.216181
	-0.24944	-2.75108	0.006581	0.215688
RNF166	-0.26423	-2.75108	0.006581	0.215688
	0.159597	2.748632	0.006628	0.216337
	-0.40785	-2.74716	0.006657	0.216626
SAMD12	-0.34623	-2.748	0.00664	0.216525
COX14;FAM186A	-0.19615	-2.74989	0.006604	0.216033
ELOVL5;TRAM2	-0.31181	-2.748	0.00664	0.216525
	-0.36662	-2.7461	0.006677	0.216851
	-0.3644	-2.74942	0.006613	0.216181
	0.345891	2.749278	0.006615	0.216213
	-0.18561	-2.7499	0.006603	0.216033
ENSG00000264198;IKZF3;PLXDC1	-0.41406	-2.7522	0.006559	0.215365
	0.274374	2.750967	0.006583	0.215709
	-0.25822	-2.74988	0.006604	0.216033
	0.326556	2.747793	0.006644	0.216539
	-0.35213	-2.7504	0.006594	0.215869
	0.27691	2.750367	0.006594	0.21587
	-0.30684	-2.74797	0.006641	0.216525
FAM110C	-0.28616	-2.75006	0.0066	0.215985
C2orf88;HIBCH	0.288259	2.748856	0.006624	0.216322
	0.217529	2.749234	0.006616	0.216216
	0.182621	2.747826	0.006644	0.216539
	-0.25273	-2.74795	0.006641	0.216525
	-0.2993	-2.74884	0.006624	0.216322
	-0.29139	-2.7504	0.006594	0.215869
	0.254612	2.748066	0.006639	0.216525
ENSG00000268657;SMEK1;SLC24A4;CATSPERB	-0.30759	-2.74908	0.006619	0.216253
MAF1	0.206123	2.749172	0.006618	0.216229
USP43	0.280748	2.749382	0.006613	0.216181
	0.29085	2.748447	0.006632	0.216407
	-0.2893	-2.74689	0.006662	0.21667
	0.221827	2.748635	0.006628	0.216337
	0.454632	2.747691	0.006646	0.216571
CACNA1C-AS4;CACNA1C;TSPAN9	-0.29599	-2.74719	0.006656	0.216626

HLA-DMA;HLA-DMB;HLA-DOA	-0.3272	-2.74819	0.006637	0.216504
	0.194357	2.748736	0.006626	0.216324
CYP1B1-AS1	-0.31985	-2.74763	0.006647	0.216572
	0.206112	2.745956	0.00668	0.216855
	-0.17804	-2.74087	0.00678	0.217631
NOTCH4	-0.25131	-2.74939	0.006613	0.216181
	-0.33358	-2.74759	0.006648	0.216572
	0.240882	2.748388	0.006633	0.216425
DNAJC16;KAZN;FHAD1;HSPB7;RSG1;FBLIM1;DDI2;ENSG00000228140;NECAP2	-0.33775	-2.74947	0.006612	0.216181
	0.281718	2.746227	0.006675	0.216851
	-0.32713	-2.74694	0.006661	0.21667
MEGF10;LMNB1;MARCH3	-0.55913	-2.74874	0.006626	0.216324
	-0.23075	-2.74681	0.006663	0.21668
ZBP1	-0.22993	-2.74485	0.006701	0.216949
	0.291796	2.746492	0.006669	0.216752
TTLL1;MCAT	-0.33983	-2.7477	0.006646	0.216571
	-0.40107	-2.74861	0.006628	0.216337
BAIAP2	0.344326	2.747585	0.006648	0.216572
	0.567246	2.746133	0.006676	0.216851
	0.200119	2.746866	0.006662	0.21667
	-0.20016	-2.74718	0.006656	0.216626
	-0.23895	-2.74713	0.006657	0.216627
LRTOMT;SHANK2;PDE2A;FCHSD2;NUMA1;STARD10	-0.30925	-2.7475	0.00665	0.216597
ZFYVE28	-0.37002	-2.74875	0.006626	0.216324
	-0.412	-2.74686	0.006662	0.21667
ENSG00000184566	0.391837	2.748949	0.006622	0.216305
	-0.24869	-2.74557	0.006688	0.216877
	0.322604	2.748028	0.00664	0.216525
	0.301491	2.745365	0.006691	0.216901
PCDH12;SPRY4;PCDHGA12;PCDHGC5;ARAP3;PCDHGB6;PCDHGA4;PCDHGA2;PCDHAC1;PCDHGB8P;PCDHGB2;PCDHB19P;PCDHGA11;HDAC3;PCDHGA9;PCDHB9;ENSG00000271871;PCDHGA6;PCDHGC4;PCDHB15;PCDHGA5;PCDHGC3;PCDHGA8;PCDHB10;PCDHB18;PCDHGB3;PCDHGA10;PCDHB12;TAF7	-0.44683	-2.74672	0.006665	0.216706
	0.347422	2.745636	0.006686	0.216862
TMTC1	0.34664	2.747185	0.006656	0.216626
	0.390908	2.747247	0.006655	0.216626
	-0.21111	-2.74539	0.006691	0.216901
	-0.26832	-2.74722	0.006655	0.216626
	0.386745	2.748821	0.006624	0.216322
	-0.26101	-2.74749	0.00665	0.216597
TULP3;CACNA1C;PRMT8;FKBP4	-0.24703	-2.7472	0.006656	0.216626
	0.184595	2.743987	0.006718	0.217172
	-0.18082	-2.74787	0.006643	0.216539
	0.252784	2.743411	0.00673	0.21727

	0.233481	2.746581	0.006668	0.216741
ZNF347	-0.24814	-2.74801	0.00664	0.216525
	0.289793	2.744902	0.0067	0.216949
PARP15;PARP14;PARP9	0.309113	2.747429	0.006651	0.216612
	0.266733	2.74676	0.006664	0.216697
PFDN6	0.256063	2.747063	0.006658	0.216655
ENSG00000265845	-0.23782	-2.74587	0.006682	0.216862
	-0.27468	-2.74405	0.006717	0.217172
	-0.276	-2.74417	0.006715	0.217172
	-0.3039	-2.74486	0.006701	0.216949
PRDX5;NRXN2;PLA2G16;PPP2R5B;STIP1;RASGRP2;HRASLS2;TM				
7SF2;MAP4K2;CCDC88B;ZNHIT2	-0.31736	-2.74693	0.006661	0.21667
	0.325706	2.746951	0.006661	0.21667
	0.158595	2.745656	0.006686	0.216862
ADCY4;IPO4;CDH24	0.212073	2.743159	0.006735	0.217294
	-0.16464	-2.74595	0.00668	0.216855
	-0.23946	-2.74762	0.006648	0.216572
	-0.24969	-2.74444	0.00671	0.217103
	-0.25591	-2.74584	0.006682	0.216862
	-0.24984	-2.74536	0.006692	0.216901
	0.175389	2.746639	0.006667	0.216724
	0.25817	2.74508	0.006697	0.216949
	-0.49588	-2.7453	0.006693	0.216906
INPP5A;ECHS1;TUBGCP2	-0.40171	-2.74535	0.006692	0.216901
	0.240238	2.745011	0.006698	0.216949
UNC79;FAM181A-AS1;C14orf142	-0.29538	-2.74528	0.006693	0.216906
	0.233795	2.744958	0.006699	0.216949
	0.360641	2.746048	0.006678	0.216851
	0.322581	2.74084	0.00678	0.217631
	-0.27252	-2.74717	0.006656	0.216626
	-0.40472	-2.74615	0.006676	0.216851
	-0.2837	-2.74637	0.006672	0.216798
PKP3	-0.30149	-2.74535	0.006692	0.216901
ATF7IP	-0.31707	-2.74597	0.00668	0.216855
	-0.39428	-2.74742	0.006652	0.216612
	0.308557	2.745363	0.006691	0.216901
ZHX2	-0.35183	-2.74516	0.006695	0.216949
	0.227134	2.739884	0.006799	0.217808
	0.35084	2.744063	0.006717	0.217172
	0.30618	2.745629	0.006686	0.216862
CEP68;SPRED2	0.361705	2.743948	0.006719	0.217172
	0.30904	2.743984	0.006718	0.217172
FCHSD2;ARAP1	-0.38259	-2.74668	0.006666	0.216718
	-0.31278	-2.74652	0.006669	0.21675
MDH1	0.260418	2.745672	0.006685	0.216862
SNORA60	0.185303	2.744913	0.0067	0.216949
	-0.36065	-2.74378	0.006722	0.217203

	0.16262	2.745105	0.006697	0.216949
	-0.27409	-2.74632	0.006673	0.216813
USP2-AS1;ENSG00000254561;PDZD3;C2CD2L;USP2;ENSG00000254590;CCDC153;CBL;OAF;PVRL1;ARHGEF12;MCAM	-0.31602	-2.74606	0.006678	0.216851
	0.390123	2.74656	0.006668	0.216741
	0.27108	2.745695	0.006685	0.216862
	0.256748	2.744112	0.006716	0.217172
SMO;LRRC4	-0.28767	-2.74492	0.0067	0.216949
	-0.2823	-2.74561	0.006687	0.216862
	0.142038	2.741867	0.00676	0.217421
	0.325738	2.746162	0.006676	0.216851
RNU1-4;RNU1-2	-0.25894	-2.74501	0.006698	0.216949
	0.30903	2.744885	0.006701	0.216949
PSMB8;LSM2	0.19867	2.744709	0.006704	0.217007
	0.219248	2.743842	0.006721	0.217203
HCP5;HLA-B;HLA-DRA;HSPA1A;LTB;PPP1R10;HLA-C;MICB;HSPA1B	0.358281	2.745652	0.006686	0.216862
	0.194542	2.742266	0.006752	0.217306
	0.342508	2.741298	0.006771	0.217575
	0.265105	2.744427	0.00671	0.217103
	-0.43162	-2.74561	0.006687	0.216862
	0.258114	2.743819	0.006722	0.217203
HECTD2	-0.40757	-2.74257	0.006746	0.217301
	-0.36213	-2.74464	0.006706	0.21702
	-0.3128	-2.74414	0.006715	0.217172
	-0.36975	-2.74409	0.006716	0.217172
	-0.32142	-2.74637	0.006672	0.216798
ENSG00000267107	-0.33128	-2.7441	0.006716	0.217172
	0.26644	2.744636	0.006706	0.21702
	0.371905	2.744155	0.006715	0.217172
DHRS3	-0.21757	-2.7415	0.006767	0.217539
MYOZ3;PDGFRB;ANXA6;SYNPO;HMGXB3;NDST1	-0.423	-2.74298	0.006738	0.217301
	0.23728	2.746118	0.006677	0.216851
	0.487462	2.742301	0.006751	0.217301
	-0.38064	-2.74494	0.0067	0.216949
	0.323097	2.743141	0.006735	0.217294
	0.296175	2.743681	0.006724	0.217203
	0.308289	2.743578	0.006726	0.217214
PPIAP29	-0.32288	-2.74187	0.00676	0.217421
	0.297023	2.742427	0.006749	0.217301
	0.320401	2.741824	0.006761	0.217421
MYO7A	-0.30489	-2.74128	0.006772	0.217575
	-1.07301	-2.74594	0.00668	0.216855
	0.182031	2.74104	0.006776	0.21762
	0.289126	2.743516	0.006728	0.217227
	-0.354	-2.74536	0.006691	0.216901

	0.179096	2.743717	0.006724	0.217203
	0.254307	2.745657	0.006686	0.216862
TPST1;INTS4L2	-0.40705	-2.74393	0.00672	0.217172
ENSG00000267056	0.28809	2.741834	0.006761	0.217421
BRD9	0.293114	2.742624	0.006745	0.217301
WDTC1	-0.26405	-2.741	0.006777	0.21762
	0.311803	2.741435	0.006769	0.217539
	0.137761	2.743216	0.006733	0.217294
HPSE2;RRP12;MARVELD1;FRAT2;FRAT1	-0.43772	-2.74362	0.006726	0.217203
SGCD	0.316858	2.742452	0.006749	0.217301
ABI3	-0.21362	-2.74298	0.006738	0.217301
	0.249258	2.742337	0.006751	0.217301
	-0.42195	-2.74209	0.006756	0.217368
EBF3	0.296072	2.742335	0.006751	0.217301
	0.259195	2.738375	0.006829	0.217995
	-0.17754	-2.74298	0.006738	0.217301
	0.264818	2.74284	0.006741	0.217301
TRAC;SLC7A7;RBM23	-0.4461	-2.74403	0.006718	0.217172
SLC35B1;LRRC59	0.240782	2.743634	0.006725	0.217203
TARSL2	0.286436	2.744773	0.006703	0.216983
	0.233785	2.743365	0.006731	0.217283
ZNF559;ADAMTS10;KANK3;ZNF358;CD320	0.264031	2.740285	0.006791	0.217676
	0.196731	2.740789	0.006781	0.217631
	0.267568	2.74238	0.00675	0.217301
ENSG00000257176	-0.15775	-2.741	0.006777	0.21762
WBSCR22;ABHD11;CLDN4;CLIP2;LINC00035;LAT2	-0.39452	-2.74051	0.006787	0.217631
	-0.32781	-2.74351	0.006728	0.217227
DGKE;C17orf67	-0.34557	-2.74514	0.006696	0.216949
	0.330475	2.740611	0.006785	0.217631
	0.365482	2.74377	0.006723	0.217203
	0.214506	2.738729	0.006822	0.217995
ENSG00000268575;ENSG00000227775	0.34035	2.741806	0.006761	0.217421
	0.337694	2.74144	0.006768	0.217539
	0.243181	2.74109	0.006775	0.217617
	0.372993	2.742899	0.00674	0.217301
	0.302084	2.739859	0.0068	0.217808
	-0.23807	-2.74279	0.006742	0.217301
IRX5	0.329828	2.743254	0.006733	0.217294
	-0.21114	-2.74319	0.006734	0.217294
REV3L;FYN	-0.22626	-2.74235	0.00675	0.217301
THSD1	-0.30689	-2.74431	0.006712	0.217163
CAPG	-0.22642	-2.74148	0.006768	0.217539
	-0.24297	-2.74393	0.006719	0.217172
TTC26;JHDM1D-AS1	-0.37451	-2.74233	0.006751	0.217301
	-0.24256	-2.7422	0.006753	0.217315
ENSG00000269896;CEP104;SKI;MORN1;MEGF6;TTC34;FAM21 3B;ENSG00000271847;DFFB;LINC01134	-0.26422	-2.74451	0.006708	0.217087

	0.31911	2.743217	0.006733	0.217294
	-0.2055	-2.74109	0.006775	0.217617
	-0.25987	-2.74115	0.006774	0.217617
IL32;TPSB2;CCDC64B;ENSG00000205890;TPSAB1;TPSD1	-0.24924	-2.74252	0.006747	0.217301
	0.392328	2.742727	0.006743	0.217301
POLR2K	-0.35069	-2.74032	0.006791	0.217676
	-0.22019	-2.74333	0.006731	0.217286
	-0.3439	-2.74267	0.006744	0.217301
	-0.24692	-2.743	0.006738	0.217301
	0.26818	2.742559	0.006746	0.217301
	-0.24273	-2.74282	0.006741	0.217301
	0.122933	2.742242	0.006753	0.217306
	0.29465	2.738929	0.006818	0.217995
	0.276526	2.740559	0.006786	0.217631
	-0.20345	-2.74187	0.00676	0.217421
RNF223	0.328461	2.741753	0.006762	0.217421
	0.32421	2.743225	0.006733	0.217294
	-0.29674	-2.74237	0.00675	0.217301
CTBP2;LHPP;BCCIP;OAT;DHX32	-0.33387	-2.74294	0.006739	0.217301
BOC;GTPBP8	-0.37179	-2.74362	0.006726	0.217203
	-0.20767	-2.73863	0.006824	0.217995
	0.276496	2.73948	0.006807	0.217864
	0.157472	2.742702	0.006744	0.217301
	0.286108	2.741316	0.006771	0.217575
	-0.19698	-2.74054	0.006786	0.217631
RNF166;CBFA2T3;PIEZO1;ENSG00000259881;ENSG00000261226;KLHDC4;ENSG00000224888;SNAI3	-0.25764	-2.74263	0.006745	0.217301
	0.209779	2.739241	0.006812	0.217947
	0.151425	2.742451	0.006749	0.217301
	0.303595	2.743661	0.006725	0.217203
	-0.18093	-2.73958	0.006805	0.217846
OGFOD2	0.202948	2.740551	0.006786	0.217631
TMCO3;TMEM255B;GAS6;ADPRHL1;CDC16;DCUN1D2;PCID2;TFDP1	-0.3828	-2.73959	0.006805	0.217846
	-0.30989	-2.74076	0.006782	0.217631
	0.259321	2.740582	0.006785	0.217631
ST3GAL2;IL34;CDH1;SNTB2;ENSG00000261777;NQO1	-0.36807	-2.74234	0.006751	0.217301
	-0.27315	-2.74238	0.00675	0.217301
	0.24355	2.741798	0.006761	0.217421
STXBP4	-0.37021	-2.74048	0.006787	0.217631
	0.171388	2.741676	0.006764	0.217452
	0.244341	2.741751	0.006762	0.217421
	0.289968	2.741788	0.006762	0.217421
	-0.18309	-2.7425	0.006748	0.217301
	0.153987	2.739878	0.006799	0.217808
	-0.31456	-2.74047	0.006788	0.217631
	0.352549	2.740473	0.006788	0.217631

	-0.2263	-2.74028	0.006791	0.217676
OAS1	-0.32591	-2.7399	0.006799	0.217808
HLA-DOA	-0.39993	-2.74294	0.006739	0.217301
	0.393326	2.739959	0.006798	0.217808
CCM2L	0.252567	2.740646	0.006784	0.217631
CWC15	0.241379	2.739808	0.006801	0.217808
	0.172004	2.742325	0.006751	0.217301
	0.362335	2.739752	0.006802	0.217808
ENSG00000245466	-0.34299	-2.7404	0.006789	0.217656
	-0.24041	-2.73841	0.006828	0.217995
	-0.29226	-2.73855	0.006826	0.217995
	0.431495	2.741168	0.006774	0.217617
R3HDM4;HMHA1;CDC34	-0.291	-2.73846	0.006827	0.217995
	-0.52099	-2.73996	0.006798	0.217808
GIMAP5;GIMAP2;GIMAP7;GIMAP8;ATG9B;GIMAP4;GIMAP6;TMEM176A;GIMAP1;TMEM176B	-0.50653	-2.74085	0.00678	0.217631
	-0.24317	-2.73956	0.006806	0.217846
PIEZO1;GAS8;ENSG00000260259	-0.34056	-2.74136	0.00677	0.217573
KRT80;KRT7;TENC1;GRASP;ACVRL1	-0.20513	-2.74027	0.006792	0.217676
	0.345956	2.73742	0.006848	0.21817
	-0.35215	-2.738	0.006837	0.218086
	0.315507	2.737579	0.006845	0.21817
	-0.36381	-2.74061	0.006785	0.217631
TDRD10;SHE;JTB	0.313375	2.736981	0.006857	0.218193
	-0.36073	-2.73874	0.006822	0.217995
TNNT3	0.285666	2.738448	0.006828	0.217995
CTTN	0.197557	2.739149	0.006814	0.217947
	-0.2676	-2.73928	0.006811	0.217947
	0.217673	2.74075	0.006782	0.217631
	-0.34813	-2.74108	0.006776	0.217617
	0.291965	2.738816	0.00682	0.217995
	0.201059	2.738468	0.006827	0.217995
HES1	-0.29599	-2.73586	0.006879	0.218387
	-0.2147	-2.73912	0.006814	0.217947
	0.310802	2.738757	0.006822	0.217995
	0.239364	2.738099	0.006835	0.218086
	0.282004	2.738037	0.006836	0.218086
DALRD3;P4HTM;DHX30;PRKAR2A;NME6;MAP4;KIF9;PRKAR2A-AS1;LAMB2;FCF1P2;NDUFAF3;CSPG5	-0.48154	-2.74053	0.006786	0.217631
	0.23799	2.739963	0.006798	0.217808
	0.25557	2.739133	0.006814	0.217947
KIAA1841;BCL11A;ENSG00000233953;PAPOLG	-0.25148	-2.73852	0.006826	0.217995
CASZ1;AGTRAP	-0.28754	-2.74089	0.006779	0.217631
	0.330767	2.737735	0.006842	0.21817
FGFR4	-0.27171	-2.73753	0.006846	0.21817
TUBA4A	-0.21464	-2.73718	0.006853	0.218193
	0.373899	2.738031	0.006836	0.218086

	-0.2656	-2.73973	0.006802	0.217808
ENSG00000242428	-0.43662	-2.73794	0.006838	0.218108
	-0.42186	-2.73969	0.006803	0.21781
	-0.24785	-2.73855	0.006826	0.217995
PAN2	0.28976	2.737753	0.006841	0.21817
	-0.34718	-2.73523	0.006892	0.218532
	0.276626	2.738994	0.006817	0.217993
	-0.30609	-2.73858	0.006825	0.217995
	0.166338	2.738152	0.006834	0.218086
	0.307754	2.740796	0.006781	0.217631
RAD51AP1	0.172441	2.739735	0.006802	0.217808
DNM1;CERCAM;COQ4;FNBP1	-0.1757	-2.73889	0.006819	0.217995
ANKRD54;FAM227A	0.133181	2.735889	0.006879	0.218387
	-0.28377	-2.7392	0.006813	0.217947
	0.341682	2.733575	0.006925	0.218825
	-0.32853	-2.73926	0.006811	0.217947
	-0.30512	-2.73731	0.00685	0.21817
	0.286474	2.739092	0.006815	0.217947
FBXO6;AGTRAP	-0.27603	-2.73788	0.006839	0.218111
C12orf73	-0.34014	-2.7377	0.006843	0.21817
SPEG;WNT6;DES;TUBA4A	-0.30912	-2.73511	0.006894	0.21854
	-0.32429	-2.73868	0.006823	0.217995
RNF166;PIEZO1;CBFA2T3;ENSG00000260923	-0.41237	-2.73761	0.006844	0.21817
	-0.26205	-2.73686	0.006859	0.218193
DYNLT1;RSPH3;EZR;TMEM181	-0.47554	-2.73698	0.006857	0.218193
PITPNC1;ENSG00000267731;C17orf58	-0.37255	-2.73638	0.006869	0.218329
MEI1;ACO2;CENPM;SLC25A17	-0.36872	-2.7381	0.006835	0.218086
	0.341771	2.739528	0.006806	0.21785
	0.229234	2.737254	0.006851	0.218186
	0.290347	2.738106	0.006834	0.218086
	-0.31444	-2.73688	0.006859	0.218193
PRIMA1	0.278963	2.737426	0.006848	0.21817
ITPR2;SSPN	-0.33056	-2.73615	0.006874	0.218386
ENSG00000258752	0.2842	2.737536	0.006846	0.21817
	-0.34191	-2.73978	0.006801	0.217808
	0.221306	2.739723	0.006802	0.217808
NOVA2;EXOC3L2;ENSG00000267348;GIPR;PTGIR;ERCC1;HIF3A;RELB;DACT3;MARK4;PPP5C;PPM1N;MYPOP;GEMIN7;PPP1R13L	-0.41176	-2.73636	0.006869	0.218329
	0.219055	2.737144	0.006854	0.218193
	0.262072	2.735918	0.006878	0.218387
	0.254119	2.739162	0.006814	0.217947
	-0.38964	-2.73743	0.006848	0.21817
	-0.19129	-2.737	0.006856	0.218193
	0.212524	2.737646	0.006844	0.21817
	-0.23879	-2.73529	0.006891	0.218532
	0.295669	2.736696	0.006863	0.218215

	0.392983	2.738806	0.006821	0.217995
	0.244004	2.737324	0.00685	0.21817
	-0.14297	-2.73704	0.006856	0.218193
	0.269904	2.738483	0.006827	0.217995
	-0.18323	-2.73764	0.006844	0.21817
SLCO4A1;C20orf166-AS1;CABLES2	0.321482	2.738012	0.006836	0.218086
	0.178264	2.738408	0.006828	0.217995
RPP25	0.339905	2.738702	0.006823	0.217995
	-0.25264	-2.73694	0.006858	0.218193
PDLIM4;ACSL6;ENSG00000234290;P4HA2;C5orf56;SOWAHA;UQCRQ	0.279473	2.735838	0.00688	0.218387
	-0.26761	-2.73683	0.00686	0.218193
ENSG00000172974;AFTPH	-0.38112	-2.7367	0.006863	0.218215
	0.254201	2.736368	0.006869	0.218329
	0.72246	2.739097	0.006815	0.217947
	0.224836	2.738607	0.006825	0.217995
	0.343539	2.73623	0.006872	0.218365
	0.231246	2.738188	0.006833	0.218086
ENSG00000252778;STK33	-0.31584	-2.7354	0.006888	0.218532
	-0.37076	-2.73881	0.00682	0.217995
	0.270381	2.736926	0.006858	0.218193
	0.17788	2.735064	0.006895	0.21854
	-0.27497	-2.73737	0.006849	0.21817
	0.309709	2.736732	0.006862	0.218215
	0.221171	2.734613	0.006904	0.218611
GLRX3	-0.25567	-2.73448	0.006907	0.218649
	0.400569	2.738384	0.006829	0.217995
	0.317691	2.736559	0.006865	0.21827
BNIP1	-0.26742	-2.7373	0.00685	0.21817
	-0.21622	-2.73401	0.006916	0.218739
	-0.27257	-2.73584	0.00688	0.218387
LSM2;RNF5;CLIC1	0.199131	2.73657	0.006865	0.21827
LAMB2;MAP4;PRKAR2A-AS1	-0.21876	-2.73525	0.006891	0.218532
ADCY7;ZNF423;SNX20	-0.29348	-2.7346	0.006905	0.218611
	0.262944	2.734396	0.006909	0.218665
	0.228088	2.735597	0.006885	0.218443
CARD8;SEPW1	0.381938	2.73699	0.006857	0.218193
YIF1A	-0.28483	-2.73634	0.00687	0.218329
	-0.24226	-2.73748	0.006847	0.21817
	-0.23702	-2.73557	0.006885	0.218444
SENP7;IMPG2	-0.33332	-2.73791	0.006838	0.21811
	-0.30852	-2.7352	0.006893	0.218534
	0.279439	2.732669	0.006943	0.21898
	0.32943	2.736146	0.006874	0.218386
	0.144309	2.734963	0.006897	0.21854
	0.187113	2.735683	0.006883	0.218421
	0.324234	2.734145	0.006914	0.218734

LRRC59	0.260382	2.736282	0.006871	0.218348
	-0.22491	-2.73474	0.006902	0.218611
KIAA1009;UBE3D	-0.41503	-2.73672	0.006862	0.218215
	0.234498	2.734669	0.006903	0.218611
	0.271511	2.734652	0.006903	0.218611
SLC44A4;NOTCH4;TNXB;C6orf25;DDR1;FKBPL;CLIC1	-0.34032	-2.73606	0.006875	0.218387
SOX18	0.263704	2.737361	0.006849	0.21817
PARD6B;BCAS4;MOCS3;SNAI1	-0.24402	-2.73523	0.006892	0.218532
	-0.19848	-2.7347	0.006902	0.218611
NALCN;TM9SF2;TMTC4	-0.26607	-2.73473	0.006902	0.218611
	0.370069	2.735771	0.006881	0.218403
	-0.26901	-2.73459	0.006905	0.218611
	0.208246	2.73366	0.006923	0.218812
	-0.26292	-2.73496	0.006897	0.21854
	0.289505	2.735736	0.006882	0.218403
HSPA1A;HNRNPA1P2	0.207447	2.732405	0.006949	0.218998
PLCG1;ZHX3	-0.39494	-2.73653	0.006866	0.218271
	0.205389	2.736001	0.006876	0.218387
	0.275126	2.736904	0.006858	0.218193
	0.256255	2.736839	0.00686	0.218193
	0.249607	2.735163	0.006893	0.21854
	0.268096	2.735599	0.006885	0.218443
	0.363557	2.735057	0.006895	0.21854
	-0.15171	-2.73377	0.006921	0.218812
	0.387328	2.735762	0.006881	0.218403
MYO9B;USHBP1;NR2F6	-0.25889	-2.73601	0.006876	0.218387
	0.216058	2.735357	0.006889	0.218532
	-0.2164	-2.73453	0.006906	0.218635
	0.216038	2.734221	0.006912	0.218718
ALS2CR11	-0.30092	-2.73734	0.00685	0.21817
TSPAN4;ENSG00000251661	-0.41672	-2.73598	0.006877	0.218387
	0.348832	2.733677	0.006923	0.218812
	0.311497	2.737055	0.006855	0.218193
	-0.19478	-2.73215	0.006954	0.219082
	-0.22816	-2.73597	0.006877	0.218387
	0.332429	2.735335	0.00689	0.218532
	0.200244	2.736061	0.006875	0.218387
	-0.23219	-2.73585	0.00688	0.218387
HIST1H4C	0.36745	2.732538	0.006946	0.218987
	0.303822	2.735068	0.006895	0.21854
	0.402175	2.736935	0.006858	0.218193
NUDT19	0.222174	2.734981	0.006897	0.21854
	0.217025	2.733715	0.006922	0.218812
RASSF4	0.350739	2.735254	0.006891	0.218532
	-0.28623	-2.73438	0.006909	0.218665
	-0.18016	-2.73267	0.006943	0.21898
	0.41733	2.734993	0.006897	0.21854

SYNGR2	0.3042	2.734695	0.006903	0.218611
GFM2;FAM169A;ARHGEF28	-0.37924	-2.73357	0.006925	0.218825
	0.288587	2.731943	0.006958	0.219116
	-0.41801	-2.73405	0.006916	0.218739
THUMPD3	0.304345	2.733369	0.006929	0.218904
CAPN9;ENSG00000244137;GNPAT;SPRTN;COG2	-0.40377	-2.73289	0.006939	0.218953
	-0.19125	-2.73425	0.006912	0.218715
CD300LF	-0.33054	-2.73373	0.006922	0.218812
ARHGEF1	-0.18212	-2.73411	0.006914	0.218739
	0.351586	2.73401	0.006916	0.218739
	0.312432	2.733312	0.00693	0.218924
LY6G5C;SLC44A4;C6orf10;VWA7;TCF19;TNXB;NOTCH4;NELFE;E NSG00000225914;C6orf47;CCHCR1;HSPA1L;HSPA1A;ENSG000 00272221	-0.29696	-2.732	0.006957	0.219099
	-0.37571	-2.73301	0.006937	0.218953
SPIRE2;RNF166;SNAI3	0.426399	2.732805	0.006941	0.218971
	0.263305	2.732332	0.00695	0.218998
	0.245508	2.733425	0.006928	0.218884
	0.291485	2.733687	0.006923	0.218812
	0.368313	2.732509	0.006947	0.218987
LDB2	-0.48454	-2.73415	0.006914	0.218734
FCHSD2;RELT;P2RY6	0.330605	2.734385	0.006909	0.218665
DIP2C;PRR26;IDI1;GTPBP4	-0.40921	-2.73491	0.006898	0.218555
	0.275954	2.733688	0.006923	0.218812
	0.279601	2.733017	0.006936	0.218953
	-0.19273	-2.73173	0.006962	0.219186
SURF6	-0.24419	-2.73326	0.006932	0.218943
CTNNA1;SNORA74A	0.428646	2.732846	0.00694	0.218962
HNRNPU-AS1	0.229935	2.734044	0.006916	0.218739
	0.315204	2.733183	0.006933	0.218947
KIF9-AS1	-0.21805	-2.73386	0.006919	0.218812
	0.210915	2.732574	0.006945	0.218987
SUN1;PSMG3;ENSG00000240859;GPR146;MAD1L1;PRKAR1B	-0.34778	-2.73083	0.006981	0.21957
	0.31815	2.733641	0.006924	0.218812
ZNF736	0.262899	2.732615	0.006945	0.21898
	0.290641	2.732885	0.006939	0.218953
UBXN10;CAMK2N1;AKR7A2;NBL1;UBXN10-AS1;PLA2G5	-0.44409	-2.73432	0.00691	0.218689
	0.30934	2.732686	0.006943	0.21898
	0.228932	2.733227	0.006932	0.218945
ENSG00000249574;PDGFA;PSMG3;ELFN1	0.412263	2.730946	0.006978	0.21957
MRPL21	-0.21725	-2.73317	0.006933	0.218947
	-0.37219	-2.73312	0.006934	0.218949
	-0.26418	-2.73249	0.006947	0.218987
PIGP	0.240914	2.732474	0.006947	0.218987
STX18;SH3BP2	-0.50912	-2.73202	0.006956	0.219097
	0.329225	2.731803	0.006961	0.219157

	0.223698	2.730109	0.006995	0.219704
	-0.32137	-2.73182	0.00696	0.219157
	-0.31026	-2.73204	0.006956	0.219097
PEX6	-0.40447	-2.73289	0.006939	0.218953
	-0.36527	-2.73344	0.006928	0.218884
	-0.3147	-2.73302	0.006936	0.218953
	-0.19416	-2.73314	0.006934	0.218949
ETF1P2	0.284824	2.731441	0.006968	0.219355
KRR1P1	0.328376	2.733747	0.006922	0.218812
	0.444241	2.732227	0.006952	0.219049
	0.447118	2.730868	0.00698	0.21957
	-0.23006	-2.73261	0.006944	0.21898
	0.311062	2.732934	0.006938	0.218953
C22orf34	-0.34557	-2.73294	0.006938	0.218953
	-0.27284	-2.73245	0.006948	0.218987
LAT2;NCF1	-0.30359	-2.73237	0.006949	0.218998
TRAF1;GGTA1P;NDUFA8;GSN;RAB14	-0.3924	-2.73309	0.006935	0.218949
	0.226691	2.728947	0.007019	0.220052
TSPAN4;TALDO1	0.265154	2.72976	0.007002	0.219764
RSPH3;C6orf99;ENSG00000213076;SLC22A3	0.358522	2.732636	0.006944	0.21898
	-0.29927	-2.73071	0.006983	0.219593
	-0.29553	-2.72865	0.007025	0.220052
	-0.24563	-2.72844	0.007029	0.220125
ENSG00000261744;ZFPM1	-0.32008	-2.73033	0.006991	0.21966
	0.145149	2.732042	0.006956	0.219097
C16orf71;CDIP1;CORO7;SMIM22;SRL	-0.40838	-2.73063	0.006985	0.219621
	-0.2538	-2.73234	0.00695	0.218998
SRI;ABCB1;TP53TG1;RUNDC3B;ABCB4;KIAA1324L	-0.42558	-2.73062	0.006985	0.219621
RPS13	-0.18724	-2.72927	0.007012	0.219968
CCM2L;BPIFB1	0.284906	2.730888	0.006979	0.21957
HLA-A	-0.23513	-2.72923	0.007013	0.219968
ERO1L	0.328855	2.730162	0.006994	0.219686
	0.268326	2.732653	0.006944	0.21898
CDK7;CCDC125;SLC30A5;ENSG00000250237	0.27896	2.730001	0.006997	0.219741
RELT	-0.29961	-2.72971	0.007003	0.219764
	-0.27877	-2.72887	0.007021	0.220052
	-0.15788	-2.72604	0.007078	0.220487
	-0.2567	-2.72918	0.007014	0.219968
PRKCDBP	-0.16236	-2.73023	0.006993	0.219686
	-0.2093	-2.73018	0.006994	0.219686
	0.322493	2.732088	0.006955	0.219097
	0.168022	2.729399	0.00701	0.219915
RUVBL1;COPG1;GATA2;RPN1	-0.32188	-2.73181	0.006961	0.219157
	-0.38459	-2.73043	0.006989	0.21966
	-0.18294	-2.73124	0.006972	0.219465
	-0.31206	-2.72792	0.00704	0.220243
	0.205751	2.730075	0.006996	0.21971

	-0.34909	-2.72978	0.007002	0.219764
	-0.14879	-2.72877	0.007023	0.220052
	-0.14337	-2.7288	0.007022	0.220052
	-0.15416	-2.73051	0.006987	0.219652
VIMP	0.370461	2.73109	0.006975	0.219531
	-0.21393	-2.73079	0.006981	0.219574
	-0.41302	-2.73042	0.006989	0.21966
	0.394302	2.730963	0.006978	0.21957
	-0.37475	-2.73122	0.006973	0.219465
MLK7-AS1	0.345664	2.730984	0.006977	0.21957
	0.193199	2.730374	0.00699	0.21966
	0.229281	2.730352	0.00699	0.21966
	-0.19595	-2.73084	0.00698	0.21957
	0.306289	2.729078	0.007016	0.220003
TRNP1;RCC1;TRNAU1AP;SNHG3;ATPIF1	-0.48999	-2.7279	0.00704	0.220243
MFNG;APOBEC3G	-0.32434	-2.73049	0.006987	0.219652
	0.257703	2.728672	0.007024	0.220052
	-0.15488	-2.7278	0.007042	0.220248
C15orf26	0.234098	2.730769	0.006982	0.219574
	0.24781	2.730334	0.006991	0.21966
	0.221707	2.728811	0.007022	0.220052
RGS13	0.415059	2.72923	0.007013	0.219968
	-0.21705	-2.72765	0.007045	0.220256
KLHDC7A	0.196553	2.727853	0.007041	0.220248
FAM198A;ZBTB47;ZNF662;TRAK1	0.481455	2.730164	0.006994	0.219686
	0.319814	2.729717	0.007003	0.219764
	-0.27234	-2.72872	0.007024	0.220052
	0.240233	2.729878	0.007	0.219757
KBTBD4;C11orf49;PTPRJ;NDUFS3;SPI1	-0.27642	-2.72757	0.007047	0.22028
DNAJC16;ARHGEF19	-0.33311	-2.72601	0.007079	0.220487
	-0.2993	-2.72383	0.007124	0.220854
CPNE5;PI16;FGD2;RNF8;PPIL1;CDKN1A	-0.32637	-2.7263	0.007073	0.220487
	-0.16092	-2.72774	0.007043	0.220248
SCARNA10;MRPL51	-0.26389	-2.7303	0.006991	0.21966
	-0.25983	-2.72873	0.007023	0.220052
RHPN2;LRP3;TSHZ3	0.305146	2.727384	0.007051	0.220318
KIF3A;SLC22A4;P4HA2;PDLIM4;GDF9;SEPT8;HSPA4	-0.22896	-2.72885	0.007021	0.220052
	0.244673	2.727677	0.007045	0.220256
	0.31377	2.72813	0.007036	0.220194
FAM92B;USP10;ENSG00000262601;C16orf74	-0.32494	-2.7298	0.007001	0.219764
SHH	-0.29878	-2.72882	0.007021	0.220052
	-0.30605	-2.72991	0.006999	0.219757
	-0.34988	-2.73084	0.00698	0.21957
PPP1R18;GABBR1;DDR1;NRM;PPP1R10;MDC1	-0.30299	-2.72792	0.00704	0.220243
	-0.18304	-2.72863	0.007025	0.220052
	0.2055	2.729536	0.007007	0.219851
PRR5L	0.250957	2.729874	0.007	0.219757

	-0.1623	-2.72736	0.007051	0.220318
	-0.35337	-2.72723	0.007054	0.220335
	0.381239	2.729928	0.006999	0.219757
STAB1	-0.33102	-2.72917	0.007014	0.219968
ENSG00000237234;ENSG00000270661;LAMA4;ENSG00000226440;GTF3C6;SLC16A10	0.329376	2.726372	0.007072	0.220487
ZNF334	-0.30646	-2.72713	0.007056	0.220347
TNFAIP8L1;CATSPERD;HSD11B1L;PTPRS;ZFR2;LRG1;SEMA6B;ANKRD24;C19orf70;SH3GL1	-0.29898	-2.72479	0.007104	0.22068
SUN1;HEATR2;FAM20C;PDGFA;PRKAR1B	-0.47926	-2.72974	0.007003	0.219764
	0.243608	2.727248	0.007054	0.220335
PLXDC1;SRCIN1;ARHGAP23	-0.30062	-2.72624	0.007074	0.220487
APOL3;MFNG;CSF2RB	-0.33581	-2.73052	0.006987	0.219652
PGD;TMEM201;APITD1;ANGPTL7;PIK3CD;UBE4B	-0.39462	-2.72598	0.007079	0.220487
	0.271485	2.724859	0.007103	0.220678
	0.338214	2.724283	0.007115	0.220738
	0.256181	2.727282	0.007053	0.220335
AES;GNA11;ZNF57	-0.41094	-2.72703	0.007058	0.220398
ENSG00000261664	0.239954	2.728158	0.007035	0.220194
	0.243814	2.728391	0.00703	0.22014
PIGV;ATPIF1	-0.31401	-2.72819	0.007034	0.220194
	-0.20441	-2.72661	0.007067	0.220475
	-0.27905	-2.72953	0.007007	0.219851
	0.278828	2.728161	0.007035	0.220194
CCDC78;NHLRC4;METRN;ENSG00000261659;HAGHL;ENSG00000196674;WDR90;RHBDF1;PIGQ;SOX8;NME4;HBA2;WDR24;RGS11;HBA1;SNRNP25;CHTF18;MSLN;ENSG00000260807	-0.34473	-2.72621	0.007075	0.220487
TM9SF2;FARP1	0.239713	2.72917	0.007014	0.219968
	0.292213	2.728491	0.007028	0.220124
	0.321901	2.728146	0.007035	0.220194
MT2A	-0.27092	-2.72642	0.00707	0.220487
	-0.44901	-2.72806	0.007037	0.220224
	0.150469	2.72178	0.007166	0.221161
	-0.35503	-2.72675	0.007064	0.220475
ISLR	-0.44453	-2.72488	0.007102	0.220678
B4GALT4	0.322917	2.726828	0.007062	0.220473
	-0.26235	-2.7247	0.007106	0.220713
PLAC8	0.310808	2.728261	0.007033	0.220194
	-0.43763	-2.72584	0.007082	0.220519
	0.266015	2.727789	0.007043	0.220248
MYO1F;PEX11G;CD320	-0.2919	-2.72845	0.007029	0.220125
SLC16A5;FDXR;SPHK1;SLC9A3R1;GALK1;ICT1;MRPS7;SAP30BP;HN1;CASKIN2;SMIM6	-0.32025	-2.72609	0.007077	0.220487
	0.211479	2.724204	0.007116	0.220738
PSMG3;GPR146	0.368507	2.724524	0.00711	0.220735
	0.343855	2.729059	0.007017	0.220003

	-0.36849	-2.72323	0.007136	0.220914
	0.303469	2.727695	0.007044	0.220256
CTDP1	-0.31249	-2.72214	0.007159	0.221091
	0.169805	2.726746	0.007064	0.220475
KCTD1;AQP4	-0.26831	-2.72508	0.007098	0.220632
	0.213055	2.724206	0.007116	0.220738
ATOX1	0.401845	2.72661	0.007067	0.220475
	0.312339	2.728018	0.007038	0.220233
HLA-F;PPP1R18;HLA-E;HCP5	0.364715	2.727446	0.00705	0.220318
	0.234121	2.724607	0.007108	0.220735
STX3;ENSG00000214797;TCN1;SLC25A47P1;ENSG00000225802	-0.4107	-2.72776	0.007043	0.220248
	0.281909	2.72657	0.007067	0.220477
FNDC4	0.218252	2.727379	0.007051	0.220318
CTSW;SIPA1;SLC25A45;NRXN2;BATF2;RASGRP2	-0.35939	-2.72865	0.007025	0.220052
	0.221244	2.72478	0.007104	0.22068
FYN	-0.34647	-2.72874	0.007023	0.220052
	0.297776	2.725899	0.007081	0.220519
	0.252946	2.723376	0.007133	0.220914
LIX1L;ITGA10;POLR3C;CHD1L;ANKRD35;CD160;PEX11B;FMO5;RBM8A	-0.39159	-2.72562	0.007087	0.220574
RAF1	0.278116	2.726642	0.007066	0.220475
	0.248191	2.727179	0.007055	0.220347
WDR45B;TBCD;ALYREF;PCYT2	-0.2645	-2.72777	0.007043	0.220248
	0.255946	2.725426	0.007091	0.220592
UNC79;PPP4R4;FAM181A;FAM181A-AS1;C14orf142;SERPINA1	-0.31057	-2.72617	0.007076	0.220487
KCNMB2	0.283979	2.724481	0.00711	0.220735
	0.381747	2.723341	0.007134	0.220914
	0.182601	2.726451	0.00707	0.220487
	-0.24271	-2.72737	0.007051	0.220318
GSTK1;EPHA1;KEL	-0.36714	-2.72449	0.00711	0.220735
HK2;TACR1;ENSG00000270571;SEMA4F	-0.2472	-2.72792	0.00704	0.220243
TIMP2;SEC14L1;C1QTNF1	-0.25331	-2.72824	0.007033	0.220194
	-0.25706	-2.72541	0.007091	0.220592
LIFR	0.313266	2.727567	0.007047	0.22028
	0.276979	2.726615	0.007067	0.220475
	-0.30528	-2.72739	0.007051	0.220318
PLCG2;ENSG00000260682;C16orf46;DYNLRB2;CMIP	-0.46931	-2.72655	0.007068	0.220477
	-0.36274	-2.72447	0.007111	0.220735
	-0.33469	-2.72362	0.007128	0.220909
CALD1;FAM180A;EXOC4;C7orf73	0.287088	2.725016	0.007099	0.220632
	-0.33251	-2.72635	0.007072	0.220487
NDST1	0.222848	2.725394	0.007092	0.220592
	0.173789	2.724817	0.007104	0.22068
SERPINA1;IFI27	-0.28987	-2.72255	0.00715	0.220955
HLA-A;OR2I1P;TRIM27;HLA-F;PRR3	-0.25521	-2.7253	0.007093	0.220602

	-0.29707	-2.72583	0.007083	0.220519
GFM2;ARHGEF28	-0.40183	-2.7244	0.007112	0.220737
	0.363886	2.726076	0.007078	0.220487
PRB2;PRR4;PRB4;PRH2;PRB3;PRB1	-0.3965	-2.72397	0.007121	0.220781
	0.164588	2.725303	0.007093	0.220602
	0.347766	2.725491	0.00709	0.220592
B3GNT3	0.301768	2.727148	0.007056	0.220347
	0.300333	2.726228	0.007074	0.220487
	0.179633	2.726825	0.007062	0.220473
	0.398987	2.72439	0.007112	0.220737
PDCD7	-0.25413	-2.72502	0.007099	0.220632
	0.200903	2.725423	0.007091	0.220592
	0.305134	2.726974	0.007059	0.220417
	0.283383	2.726811	0.007063	0.220473
	0.190021	2.725766	0.007084	0.22053
	0.24048	2.72608	0.007078	0.220487
C10orf128;WDFY4;ARHGAP22;FRMPD2;PTPN20CP;VSTM4;ENS				
G00000232462	-0.30871	-2.72554	0.007089	0.220592
XYLB;ITGA9	0.23659	2.725778	0.007084	0.22053
MAP4;IP6K2;DALRD3	-0.24441	-2.72501	0.0071	0.220632
CHCHD3	0.298423	2.72413	0.007118	0.220743
	0.151603	2.72605	0.007078	0.220487
CD22;FXYD5;DMKN;ZNF792	0.317392	2.72523	0.007095	0.220619
LINC00478	0.325414	2.724444	0.007111	0.220735
	0.496291	2.722941	0.007142	0.220914
	0.299642	2.726619	0.007066	0.220475
	-0.3375	-2.72508	0.007098	0.220632
	0.365895	2.723198	0.007137	0.220914
NOP2	-0.22215	-2.72345	0.007132	0.220914
	0.316048	2.725632	0.007087	0.220574
CTSF;PC;CHKA	-0.24672	-2.72192	0.007163	0.221115
FUOM;TUBGCP2	-0.20033	-2.72585	0.007082	0.220519
	0.345509	2.725438	0.007091	0.220592
	-0.32987	-2.7238	0.007124	0.220858
MRGPRF;UNC93B1	0.237775	2.722362	0.007154	0.220993
GLT8D2;APPL2;TXNRD1;ENSG00000214198;C12orf75	0.408456	2.718826	0.007228	0.22182
SCARNA10	0.279334	2.725074	0.007098	0.220632
DOCK3	-0.30282	-2.72447	0.007111	0.220735
	-0.32919	-2.72629	0.007073	0.220487
TACC1;FGFR1;GPR124;DDHD2;PLEKHA2	0.185983	2.723024	0.007141	0.220914
	0.161784	2.723239	0.007136	0.220914
ENSG00000235669	-0.27057	-2.72337	0.007133	0.220914
GVINP1	-0.3058	-2.72727	0.007053	0.220335
MISP;FSTL3;ADAMTSL5;GNG7;PALM;ARID3A;SCAMP4;GAMT;G				
RIN3B;PCSK4;TCF3;REEP6;ENSG00000129951;CNN2;GPX4	-0.42349	-2.72617	0.007076	0.220487
	-0.26654	-2.72295	0.007142	0.220914

	-0.29906	-2.72523	0.007095	0.220619
	0.210159	2.723084	0.007139	0.220914
	-0.5272	-2.72673	0.007064	0.220475
SEPT4;MSI2;DGKE;MKS1;TRIM25;C17orf67	0.366744	2.721986	0.007162	0.221115
ENSG00000231980;PTPRN2;RNF32	-0.2892	-2.72271	0.007147	0.22094
RASAL3;NWD1;SYDE1	-0.46415	-2.72407	0.007119	0.220748
	0.291963	2.72572	0.007085	0.220544
	0.362619	2.724295	0.007114	0.220738
	0.197458	2.725071	0.007098	0.220632
CTSS;GOLPH3L;SELENBP1;POGZ;THEM4;SEMA6C;ADAMTSL4;S100A11;CGN;HRNR;PSMB4;PSMD4;ARNT;FLG;ENSA;FAM63A;RORC	-0.40058	-2.726	0.007079	0.220487
	0.213607	2.722041	0.007161	0.221115
RAB37;CASKIN2;GRB2;CD300A;MYO15B	-0.25859	-2.72298	0.007141	0.220914
	-0.19485	-2.72092	0.007184	0.221405
	-0.16162	-2.72115	0.007179	0.221389
	0.210453	2.723387	0.007133	0.220914
	0.384518	2.722416	0.007153	0.220993
	-0.34361	-2.72224	0.007157	0.221039
	0.205618	2.723292	0.007135	0.220914
CREB3L4;NPR1;ATP8B2;JTB;DENND4B;S100A6;CRTC2;C1orf43;GATAD2B;SLC27A3;SNAPIN;S100A3;HAX1;ENSG00000223599	-0.28214	-2.72352	0.00713	0.220914
	0.385397	2.725006	0.0071	0.220632
	0.254473	2.723035	0.00714	0.220914
	-0.1689	-2.72007	0.007202	0.22162
SMIM5	-0.37524	-2.72633	0.007072	0.220487
	-0.39331	-2.72625	0.007074	0.220487
	0.336818	2.724102	0.007118	0.220745
ANKK1;CADM1;TTC12;NNMT	-0.32018	-2.72352	0.00713	0.220914
	-0.30433	-2.7195	0.007214	0.2217
	-0.3054	-2.72461	0.007108	0.220735
	0.243374	2.722944	0.007142	0.220914
	0.294862	2.724884	0.007102	0.220678
	0.277834	2.723549	0.00713	0.220914
ADAMTS10;KANK3;PEX11G;CERS4;CD320;INSR;CTXN1	-0.4294	-2.72299	0.007141	0.220914
	0.240529	2.726021	0.007079	0.220487
	0.321993	2.722737	0.007146	0.22094
SKI;MEGF6;TP73-AS1;RER1;LINC00982;LINC01134;CEP104;DFFB	0.3329	2.719924	0.007205	0.221635
	0.375893	2.722961	0.007142	0.220914
ENSG00000259881;ENSG00000261226;PIEZO1	0.28478	2.724011	0.00712	0.220772
	-0.41444	-2.72431	0.007114	0.220738
	0.206532	2.722396	0.007154	0.220993
	-0.33143	-2.72344	0.007132	0.220914
	0.212593	2.724188	0.007116	0.220738

UAP1L1;PTGDS;GPSM1;CAMSAP1;EGFL7;LCNL1;UBAC1;NOTCH1;TUBB4B;NPDC1	-0.46777	-2.72374	0.007126	0.220867
	0.175918	2.724148	0.007117	0.220743
	-0.26958	-2.72111	0.00718	0.221389
FLT4;ADAMTS2	-0.28744	-2.72454	0.007109	0.220735
	0.386504	2.725465	0.00709	0.220592
	0.14992	2.723208	0.007137	0.220914
DNTTIP2;GCLM;ABCD3;ARHGAP29	-0.35212	-2.72371	0.007126	0.220867
TPPP;PLEKHG4B	0.321755	2.724269	0.007115	0.220738
PVRL4;LY9;SLAMF1;CD84;FCRL6;LINC01133;SLAMF6;SLAMF8;CD244;FCGR2C	0.602305	2.724262	0.007115	0.220738
	-0.32154	-2.72322	0.007136	0.220914
RASSF1	-0.39328	-2.72531	0.007093	0.220602
	-0.31222	-2.7228	0.007145	0.22094
	-0.3415	-2.71912	0.007222	0.22182
	-0.26595	-2.72268	0.007148	0.22094
	-0.2818	-2.72042	0.007195	0.221502
	-0.445	-2.72118	0.007179	0.221389
ARHGAP42;ENSG00000248027	-0.39726	-2.71888	0.007227	0.22182
	-0.47992	-2.72209	0.00716	0.221109
SHISA6;DNAH9	-0.45197	-2.72267	0.007148	0.22094
	0.2177	2.721153	0.007179	0.221389
	0.221652	2.715413	0.0073	0.222576
	0.202633	2.723724	0.007126	0.220867
	-0.30486	-2.72277	0.007146	0.22094
	0.323945	2.722574	0.00715	0.220955
FOXA2;CD93	0.323343	2.722768	0.007146	0.22094
	-0.17827	-2.7227	0.007147	0.22094
	0.239224	2.723272	0.007135	0.220914
ESCO2	0.235117	2.720613	0.007191	0.221471
	0.233275	2.722914	0.007143	0.220914
	0.336458	2.720828	0.007186	0.221405
	0.315471	2.720168	0.0072	0.221605
	-0.224	-2.72249	0.007152	0.22098
	-0.2429	-2.72236	0.007154	0.220993
	0.297238	2.720599	0.007191	0.221471
LYN;TMEM68;SDR16C5;LINC00968	0.338799	2.717774	0.00725	0.222026
	0.231218	2.72023	0.007199	0.221596
	0.214003	2.721901	0.007164	0.221115
	-0.35944	-2.7189	0.007226	0.22182
	-0.4421	-2.72294	0.007142	0.220914
GMDS;ENSG00000230433	-0.29592	-2.71426	0.007324	0.222698
	0.296868	2.722627	0.007149	0.220954
	-0.37223	-2.7211	0.00718	0.221389
ENSG00000224570;ENSG00000226891;DNAJC6;LEPR;AK4;PDE4B	-0.34529	-2.72066	0.00719	0.221463
	0.276742	2.721688	0.007168	0.221204

ARID3B	0.272524	2.722341	0.007155	0.220993
	0.300448	2.720661	0.00719	0.221463
ARL10;DBN1;NSD1;ENSG00000170089;N4BP3;NOP16;RMND5B;SIMC1;COL23A1	-0.28397	-2.71881	0.007228	0.22182
	-0.41057	-2.72317	0.007137	0.220914
	0.235248	2.72093	0.007184	0.221405
ICAM3;ACP5;RGL3;ICAM1;EPOR;CDKN2D	-0.33825	-2.72257	0.00715	0.220955
	0.266471	2.721161	0.007179	0.221389
CYTH3	-0.31753	-2.72185	0.007165	0.221134
	-0.27375	-2.72191	0.007164	0.221115
	-0.29579	-2.72091	0.007184	0.221405
	0.323205	2.719904	0.007205	0.221635
	-0.20486	-2.71767	0.007252	0.222037
	0.372319	2.719857	0.007206	0.221644
C1orf216;COL8A2	-0.33357	-2.72158	0.00717	0.221257
	0.244979	2.719333	0.007217	0.221773
	0.310952	2.717658	0.007252	0.222037
NSUN7	-0.25856	-2.71828	0.007239	0.221986
RASSF4;HNRNPF	0.292218	2.719596	0.007212	0.221684
	0.327683	2.720452	0.007194	0.221502
KLHL29;ENSG00000115128	-0.22464	-2.72002	0.007203	0.221621
	-0.46197	-2.72113	0.00718	0.221389
	-0.34502	-2.7208	0.007187	0.221405
	0.267709	2.718131	0.007242	0.221991
BAIAP2	0.514936	2.721973	0.007162	0.221115
FAM83H-AS1;LY6D;GPIHBP1;TSTA3;FAM83H;GPT;EEF1D	-0.32993	-2.72124	0.007178	0.221389
	0.270275	2.719305	0.007218	0.221776
	0.378674	2.721025	0.007182	0.221405
IRF4	0.242526	2.721195	0.007178	0.221389
MKLN1	-0.33488	-2.72013	0.007201	0.221605
MFAP2	0.345643	2.720455	0.007194	0.221502
	0.222092	2.71824	0.00724	0.221991
SLC44A4;TNXB;VWA7;LY6G5C;HSPA1L;NOTCH4;NELFE;C6orf10;EHMT2	-0.32776	-2.7183	0.007239	0.221986
	0.243022	2.718935	0.007226	0.22182
	0.316953	2.719436	0.007215	0.221723
	-0.26331	-2.72089	0.007185	0.221405
	0.27663	2.72142	0.007174	0.221344
	0.351571	2.719572	0.007212	0.221684
	-0.32941	-2.72098	0.007183	0.221405
TNFAIP3	0.37653	2.718748	0.00723	0.22182
MYL12B;MYOM1;EMILIN2;TGIF1	-0.43186	-2.7199	0.007206	0.221635
C6orf10	-0.43993	-2.71914	0.007221	0.22182
	0.337868	2.718125	0.007243	0.221991
ENTPD1;LCOR	0.265216	2.7213	0.007176	0.221389
CALHM2;C10orf32	-0.35994	-2.72194	0.007163	0.221115
	-0.18699	-2.72087	0.007185	0.221405

	-0.5866	-2.7169	0.007268	0.222293
GIMAP5;GIMAP2;GIMAP6;GIMAP7;GIMAP4	-0.32894	-2.71673	0.007272	0.222333
	0.213532	2.716022	0.007287	0.222489
	0.374584	2.720458	0.007194	0.221502
STK10	-0.35913	-2.71892	0.007226	0.22182
	0.215612	2.71807	0.007244	0.221991
	0.166309	2.718725	0.00723	0.22182
	0.226899	2.720132	0.007201	0.221605
	0.349976	2.719597	0.007212	0.221684
WNT9A	-0.38296	-2.7189	0.007226	0.22182
TSPAN4;LRRC56	-0.26153	-2.71901	0.007224	0.22182
CARF	0.338323	2.719529	0.007213	0.221695
SLC37A3	-0.36769	-2.71891	0.007226	0.22182
	-0.16863	-2.72087	0.007185	0.221405
	0.411739	2.719264	0.007219	0.221786
	-0.36618	-2.71788	0.007248	0.221991
	-0.26588	-2.72082	0.007186	0.221405
	-0.39343	-2.72012	0.007201	0.221605
S100P;HTRA3	-0.24749	-2.71837	0.007237	0.221962
POU3F1;RSPO1;DNALI1;GRIK3;ENSG00000224592	-0.43817	-2.71702	0.007266	0.222255
	0.160418	2.720408	0.007195	0.221502
PTCH2;ATP6V0B;TIE1;SLC2A1;TMEM53	-0.36999	-2.71902	0.007224	0.22182
	0.239283	2.717265	0.007261	0.222148
	0.290283	2.717882	0.007248	0.221991
STYXL1;SRRM3;ENSG00000259628;HIP1;RHBDD2;POM121C;HSPB1	-0.37747	-2.71861	0.007232	0.221869
YPEL4;APLNR;SERPING1;SLC43A1;TNKS1BP1;OR5BA1P;SLC43A3	-0.47624	-2.71979	0.007208	0.221653
	0.155013	2.717634	0.007253	0.222037
	0.230834	2.715785	0.007292	0.222489
	-0.52194	-2.71601	0.007287	0.222489
	0.23845	2.719908	0.007205	0.221635
CD6;CD5	-0.31286	-2.71746	0.007257	0.222084
	0.303266	2.71961	0.007212	0.221684
CLIP1;ENSG00000256304	-0.34963	-2.71897	0.007225	0.22182
MLKL	0.361645	2.720024	0.007203	0.221621
	0.337205	2.7198	0.007208	0.221653
	0.324474	2.717264	0.007261	0.222148
	-0.24743	-2.71792	0.007247	0.221991
PTPRN2	0.309711	2.718195	0.007241	0.221991
	0.360543	2.71421	0.007325	0.222706
SHANK3;MAPK12;MAPK11	0.246412	2.717955	0.007246	0.221991
	0.285531	2.714751	0.007314	0.222673
	-0.3562	-2.71769	0.007252	0.222037
DGKE	-0.32347	-2.71758	0.007254	0.222054
ASPA;TRPV3;SPNS2	0.318086	2.718931	0.007226	0.22182
	0.329498	2.71577	0.007292	0.222489

SEC14L1;TK1	-0.50399	-2.71645	0.007278	0.222387
	0.184395	2.717273	0.00726	0.222148
LETM1;SPON2;ATP5I	-0.29007	-2.71799	0.007245	0.221991
	0.25429	2.717541	0.007255	0.222065
WDR45B;PCYT2;LRRC45	-0.47308	-2.71801	0.007245	0.221991
	0.170942	2.720402	0.007195	0.221502
SLC26A2;SYNPO;PDGFRB;HMGXB3	0.293715	2.71852	0.007234	0.221913
	0.311461	2.718828	0.007228	0.22182
CBX2;TIMP2;C1QTNF1;TNRC6C;USP36;ENSG00000178404;CYT				
H1;CBX8;CANT1	0.317493	2.716611	0.007274	0.222345
	0.333025	2.719596	0.007212	0.221684
CD22;KIAA0355;DMKN;ZNF792;FXYD5;ZNF599;CLIP3	-0.25095	-2.71808	0.007243	0.221991
BAI1	-0.2553	-2.71768	0.007252	0.222037
	-0.25741	-2.71582	0.007291	0.222489
	-0.33868	-2.71874	0.00723	0.22182
	0.371706	2.716374	0.007279	0.222406
	-0.22035	-2.71519	0.007304	0.222635
THUMPD3;OGG1;JAGN1	-0.35212	-2.71874	0.00723	0.22182
	-0.25489	-2.71579	0.007292	0.222489
	-0.35958	-2.71977	0.007208	0.221653
	0.29615	2.71801	0.007245	0.221991
STAB1;PARP3	0.2025	2.719593	0.007212	0.221684
	0.23152	2.716322	0.00728	0.222406
KLHDC8B;LAMB2;UBA7	-0.22805	-2.71183	0.007376	0.223018
	-0.26999	-2.71581	0.007291	0.222489
	-0.2413	-2.71846	0.007235	0.221933
	-0.65091	-2.71526	0.007303	0.222624
	-0.25728	-2.71317	0.007347	0.222806
MAP4K1;RINL;PLEKHG2	0.282458	2.717835	0.007249	0.222003
TNFRSF1B;PLOD1;TNFRSF8;MIIP;DHRS3;ENSG00000272482	-0.29661	-2.7149	0.007311	0.222654
	-0.50298	-2.71744	0.007257	0.222084
PRF1	-0.21239	-2.71872	0.00723	0.22182
	-0.32882	-2.7179	0.007247	0.221991
	0.183849	2.71479	0.007313	0.222673
	0.369488	2.713264	0.007345	0.222806
RAB17;MLPH;ACKR3;COL6A3;HES6	-0.42703	-2.7165	0.007277	0.222386
PTPLA;VIM	0.338084	2.716679	0.007273	0.222333
	0.245778	2.716865	0.007269	0.222293
	0.283288	2.71524	0.007303	0.222624
MYO1C;NXN;SLC43A2;GEMIN4;ENSG00000262003;YWHAE;SC				
ARF1;SMG6;HIC1;INPP5K;C17orf97;ENSG00000262810;PITPNA	0.285092	2.712117	0.00737	0.223018
	0.245182	2.71604	0.007286	0.222489
	-0.14383	-2.71596	0.007288	0.222489
TMC8;RHBDF2;TMC6;ST6GALNAC2;TNRC6C-AS1	-0.23164	-2.71465	0.007316	0.222689
	-0.15025	-2.71456	0.007318	0.22269

CEP85;CNKSR1;UBXN11;RPS6KA1	-0.33161	-2.71591	0.007289	0.222489
	0.316952	2.717141	0.007263	0.22221
MCM9;ENSG00000216316;CEP85L;PLN	-0.48221	-2.71455	0.007318	0.22269
TP73-AS1	-0.3409	-2.71296	0.007352	0.222806
	0.177687	2.718419	0.007236	0.221946
SHCBP1;GPT2	-0.23871	-2.71632	0.007281	0.222406
RB1CC1	0.388231	2.713795	0.007334	0.222708
	0.294611	2.716611	0.007274	0.222345
	0.151269	2.717039	0.007265	0.222255
SLC44A4;VWA7;LY6G5C;C6orf10;NOTCH4;NELFE;TNXB;TCF19; HSPA1L;ENSG00000225914;CCHCR1;BAG6;ENSG00000272221; HSPA1A;EHMT2;PBX2;CLIC1;BTNL2	-0.40387	-2.71413	0.007327	0.222708
DHX16	0.27199	2.71749	0.007256	0.222082
	0.215117	2.714955	0.007309	0.222654
INPP5D	0.330416	2.716771	0.007271	0.222322
	-0.25642	-2.71587	0.00729	0.222489
TBX19;RCSD1;MPC2;CD247	-0.36977	-2.71395	0.007331	0.222708
ASPA;HIC1;P2RX1;C17orf85;TRPV3	-0.29394	-2.71615	0.007284	0.222477
	-0.23389	-2.71505	0.007307	0.222636
PPP1R3B	-0.48012	-2.71316	0.007347	0.222806
	-0.38704	-2.71807	0.007244	0.221991
	0.337316	2.714353	0.007322	0.222698
CHN1;ENSG00000091436;RAPGEF4;MLK7-AS1	0.329902	2.71688	0.007269	0.222293
ENSG00000231720;RNASET2	0.329444	2.715998	0.007287	0.222489
	0.201754	2.714378	0.007322	0.222698
NGRN;PEX11A;CRTC3;ENSG00000259212	0.370609	2.714419	0.007321	0.222698
CXCR4	0.165595	2.713773	0.007334	0.222708
	-0.29515	-2.71525	0.007303	0.222624
	0.291845	2.712744	0.007356	0.222807
	0.163587	2.714278	0.007324	0.222698
	-0.16198	-2.71386	0.007332	0.222708
	0.24769	2.715509	0.007298	0.222551
ENSG00000236740	0.327706	2.715501	0.007298	0.222551
HCP5;HLA-F;HLA-E;HLA-B	-0.29992	-2.71697	0.007267	0.222276
	-0.24012	-2.71405	0.007329	0.222708
ZAP70;TMEM131	-0.28203	-2.71788	0.007248	0.221991
	0.279799	2.716698	0.007273	0.222333
	0.256084	2.716359	0.00728	0.222406
	0.295127	2.714694	0.007315	0.222673
	0.243658	2.716584	0.007275	0.222347
	0.242099	2.715173	0.007305	0.222635
	-0.27551	-2.71427	0.007324	0.222698
CYS1;CPSF3;GRHL1	0.305534	2.713821	0.007333	0.222708
	0.260748	2.714711	0.007314	0.222673
	0.287777	2.713484	0.00734	0.222765
TNFRSF1B;ENSG00000272482	-0.37809	-2.71479	0.007313	0.222673
WDR45B	-0.36125	-2.71677	0.007271	0.222322

	0.367744	2.712734	0.007356	0.222807
	0.214495	2.713756	0.007335	0.222708
	0.205037	2.715528	0.007297	0.222551
	0.297486	2.715593	0.007296	0.222551
ADRB1;AFAP1L2;TRUB1;C10orf118;DCLRE1A	-0.35711	-2.71487	0.007311	0.222654
	0.364043	2.71506	0.007307	0.222636
	-0.21773	-2.71533	0.007301	0.222613
BNIP1	-0.25069	-2.71351	0.00734	0.222765
MAD1L1;TTYH3	-0.2425	-2.71384	0.007333	0.222708
	-0.34026	-2.71561	0.007295	0.222551
	-0.28251	-2.71488	0.007311	0.222654
MEG3;DIO3OS	0.273701	2.714396	0.007321	0.222698
	0.250152	2.711124	0.007391	0.223188
	0.325116	2.715963	0.007288	0.222489
	-0.21038	-2.71272	0.007357	0.222807
	-0.23453	-2.71471	0.007314	0.222673
SUGCT	-0.39234	-2.71406	0.007328	0.222708
BBS4;HCN4	-0.22478	-2.71185	0.007375	0.223018
	0.280768	2.713862	0.007332	0.222708
	0.201545	2.710163	0.007411	0.223451
	0.267205	2.715464	0.007299	0.222559
GRAP2;ENSG00000225528;MCHR1;CACNA1I;XPNPEP3	-0.38566	-2.71627	0.007281	0.222419
SEMA3G;DOCK3;PCBP4;ITIH3;SPCS1;POC1A	-0.24414	-2.7149	0.007311	0.222654
CNOT11;IL1R2;PDCL3	-0.44911	-2.71262	0.007359	0.222823
	-0.28334	-2.71352	0.00734	0.222765
	0.311142	2.713058	0.00735	0.222806
	0.29657	2.716463	0.007277	0.222387
	0.321465	2.716135	0.007284	0.222477
IGLV1-40	0.400124	2.715553	0.007297	0.222551
	-0.28387	-2.71582	0.007291	0.222489
COL17A1;SLK	-0.43345	-2.71343	0.007342	0.222775
	-0.2931	-2.7151	0.007306	0.222636
ENSG00000228140;FHAD1;AGMAT;DNAJC16	-0.35779	-2.71176	0.007377	0.223018
	0.248141	2.715072	0.007307	0.222636
PARP14	-0.18754	-2.71409	0.007328	0.222708
	0.23165	2.711744	0.007377	0.223018
	0.43772	2.715627	0.007295	0.222551
	-0.37326	-2.71318	0.007347	0.222806
	0.338905	2.7142	0.007325	0.222706
	0.310072	2.712944	0.007352	0.222806
CUL4A	0.246612	2.714477	0.007319	0.222698
	0.184886	2.70953	0.007425	0.223579
IRX3;ENSG00000259725	0.282951	2.714546	0.007318	0.22269
	0.24447	2.713131	0.007348	0.222806
	0.242966	2.71204	0.007371	0.223018
	0.274374	2.713676	0.007336	0.222743
	0.261353	2.712529	0.007361	0.222865

	0.163314	2.708706	0.007443	0.223777
	0.344114	2.714399	0.007321	0.222698
	0.254334	2.712968	0.007351	0.222806
	0.265714	2.714584	0.007317	0.22269
	0.273917	2.711916	0.007374	0.223018
	0.201473	2.713902	0.007332	0.222708
	0.219695	2.712683	0.007357	0.222807
SLC39A7	0.235281	2.715075	0.007307	0.222636
PROZ	0.311743	2.713254	0.007345	0.222806
	0.229388	2.713629	0.007337	0.222758
ZNF34;FAM83H-AS1;TSTA3;FAM83H;GPIHBP1;EEF1D	-0.47628	-2.7149	0.007311	0.222654
BCL11A;PEX13	0.348223	2.712852	0.007354	0.222806
GRASP;ACVRL1;GALNT6;KRT7;TENC1	-0.28113	-2.71222	0.007367	0.223017
	-0.42266	-2.71127	0.007388	0.223163
RLTPR;CMTM4;CES4A;ZDHHC1;CDH5;RANBP10;GFOD2;ENKD1; TRADD;TPPP3	-0.39031	-2.71314	0.007348	0.222806
	-0.20593	-2.71067	0.0074	0.223277
	0.237853	2.711764	0.007377	0.223018
	-0.21513	-2.71313	0.007348	0.222806
	0.291718	2.712938	0.007352	0.222806
	0.257533	2.712192	0.007368	0.223018
	-0.18854	-2.71171	0.007378	0.223018
	-0.28437	-2.7144	0.007321	0.222698
	-0.18363	-2.71177	0.007377	0.223018
	-0.36022	-2.71284	0.007354	0.222806
WBSCR17	-0.47589	-2.71126	0.007388	0.223163
ZNHIT1;AP1S1	-0.21142	-2.7111	0.007391	0.223188
	0.374962	2.713787	0.007334	0.222708
	0.295615	2.71234	0.007365	0.222956
	0.361477	2.714045	0.007329	0.222708
	-0.30753	-2.71334	0.007344	0.222806
	-0.20238	-2.71147	0.007383	0.223106
ENSG00000231980	-0.40889	-2.71167	0.007379	0.223024
TWIST2;TRAF3IP1;HES6	0.345245	2.708524	0.007446	0.223777
	0.321694	2.708796	0.007441	0.223777
	0.385047	2.711704	0.007378	0.223018
	-0.25068	-2.71381	0.007334	0.222708
PRKCH	-0.42321	-2.71293	0.007352	0.222806
GALNT6;GRASP;DAZAP2;POU6F1;SLC11A2;METTL7A;ACVRL1;S LC4A8;KRT7;OR7E47P	-0.25416	-2.71024	0.00741	0.223448
	0.250679	2.711736	0.007378	0.223018
CD248;CTSF;AIP;UNC93B1;GSTP1;FAM86C2P;ALDH3B2;ALDH3 B1;CCS;TBC1D10C	-0.24971	-2.71008	0.007413	0.223451
	0.528811	2.711965	0.007373	0.223018
	-0.45286	-2.71429	0.007323	0.222698
	0.238608	2.71347	0.007341	0.222765
	0.283125	2.712681	0.007358	0.222807

	-0.27923	-2.71396	0.00733	0.222708
	0.32212	2.712987	0.007351	0.222806
	0.265842	2.708287	0.007452	0.223777
CYCS	-0.19341	-2.7135	0.00734	0.222765
HSD17B1P1	0.20748	2.712906	0.007353	0.222806
	0.236254	2.712709	0.007357	0.222807
	-0.34703	-2.7116	0.007381	0.223057
	0.420758	2.712859	0.007354	0.222806
	0.407083	2.713482	0.007341	0.222765
TMEM254;DYDC2;DYDC1;MAT1A	-0.25825	-2.71088	0.007396	0.223224
	0.365582	2.71127	0.007388	0.223163
ARRB2;RAP1GAP2	-0.34425	-2.71067	0.0074	0.223277
PDE2A	0.245161	2.709744	0.00742	0.223558
	-0.20269	-2.71184	0.007375	0.223018
TNXB;TCF19;C6orf48;LY6G5C;C6orf10;LSM2	0.417564	2.71086	0.007396	0.223224
TRPM2	-0.25935	-2.71191	0.007374	0.223018
	0.300344	2.71107	0.007392	0.223191
ENSG00000271763;ENSG00000258676;ENSG00000260337	0.36447	2.712418	0.007363	0.222921
	0.276031	2.713021	0.00735	0.222806
	0.288564	2.704498	0.007533	0.224574
ZKSCAN1;ENSG00000239521;STAG3;ZNF3;AP1S1	-0.34605	-2.71308	0.007349	0.222806
	-0.23578	-2.7112	0.007389	0.223184
	-0.21807	-2.71129	0.007387	0.223163
HSD17B13	0.335407	2.712669	0.007358	0.222807
SPACA6P	-0.23169	-2.71077	0.007398	0.223245
	-0.25779	-2.71093	0.007395	0.223224
ABCD3;ARHGAP29;DNTTIP2;GCLM;FAM69A	0.265317	2.70769	0.007464	0.223877
	0.300098	2.709995	0.007415	0.223474
	-0.39523	-2.71085	0.007397	0.223224
	0.336049	2.70735	0.007472	0.223966
	0.28948	2.711721	0.007378	0.223018
XPNPEP3;PMM1;ZC3H7B;ENSG00000231993	-0.24217	-2.70807	0.007456	0.223798
	-0.17194	-2.71061	0.007402	0.223285
DENND4B;SNAPIN;S100A6;ATP8B2;SHE;TDRD10	-0.27913	-2.70885	0.00744	0.223777
	0.222915	2.708612	0.007445	0.223777
	-0.3864	-2.71216	0.007369	0.223018
	0.30362	2.714007	0.007329	0.222708
	-0.17391	-2.712	0.007372	0.223018
	-0.27456	-2.70951	0.007425	0.223579
	-0.21985	-2.70778	0.007463	0.223853
C2CD2L;PDZD3;OAF;USP2-AS1;CBL;ENSG00000254590;ENSG00000254561;MCAM;CCDC153;PHLDB1;DPAGT1	-0.36342	-2.71197	0.007373	0.223018
	-0.19588	-2.70941	0.007427	0.223608
KRT15;CNTD1;TTC25;KRT13	-0.21015	-2.71089	0.007396	0.223224
PPIL1	-0.24343	-2.70814	0.007455	0.223789
	-0.27926	-2.71006	0.007414	0.223451

DLG2	0.331001	2.710468	0.007405	0.223358
	0.335719	2.711119	0.007391	0.223188
	-0.24981	-2.70806	0.007456	0.223798
CCDC78;IFT140;METRN;BAIAP3;NHLRC4;HN1L;GFER;HS3ST6;E				
NSG00000196674;HAGHL	-0.32067	-2.71009	0.007413	0.223451
RGS19	-0.28398	-2.71096	0.007394	0.223224
	0.358023	2.710176	0.007411	0.223451
CTSW;SLC25A45;CCDC88B;BATF2;SIPA1;NRXN2	-0.41006	-2.71155	0.007382	0.223068
KMT2E;RINT1;SYPL1	-0.4272	-2.71197	0.007373	0.223018
	-0.36319	-2.70857	0.007445	0.223777
	0.41917	2.70996	0.007416	0.223474
	0.307075	2.710437	0.007405	0.223362
	-0.71311	-2.7094	0.007428	0.223608
	0.247894	2.708835	0.00744	0.223777
	0.282612	2.709147	0.007433	0.223722
	0.335899	2.710887	0.007396	0.223224
	0.265477	2.711284	0.007387	0.223163
	-0.21525	-2.70576	0.007506	0.224327
	0.255898	2.709946	0.007416	0.223474
	-0.23312	-2.70794	0.007459	0.223825
SELL	0.38517	2.710808	0.007397	0.223234
	0.245356	2.70869	0.007443	0.223777
	0.219964	2.704425	0.007535	0.224574
TAB1;PLA2G6;SLC16A8;MGAT3;SYNGR1;KDELR3;NPTXR	0.27583	2.709609	0.007423	0.223566
	0.33515	2.710611	0.007402	0.223285
	0.264393	2.709263	0.007431	0.223677
	0.222114	2.70778	0.007462	0.223853
	0.444429	2.709544	0.007425	0.223579
	0.348762	2.707013	0.007479	0.223994
TTYH2;LINC00511	-0.45822	-2.70832	0.007451	0.223777
TOB2	0.325951	2.710093	0.007413	0.223451
BBS9;KBTBD2;RP9	-0.4185	-2.70876	0.007441	0.223777
	0.317353	2.709481	0.007426	0.223586
	0.224887	2.70963	0.007423	0.223566
	0.240239	2.71112	0.007391	0.223188
	-0.31168	-2.7084	0.007449	0.223777
	-0.20741	-2.70661	0.007488	0.224104
	-0.3788	-2.70854	0.007446	0.223777
GPIHBP1	0.157737	2.707986	0.007458	0.223825
	0.249752	2.708163	0.007454	0.223789
	-0.258	-2.70819	0.007454	0.223789
	-0.20474	-2.7073	0.007473	0.223973
	-0.30449	-2.7053	0.007516	0.224394
	0.349169	2.708245	0.007452	0.223777
	-0.38776	-2.70862	0.007444	0.223777
DDX52	-0.28038	-2.70684	0.007483	0.224016
PTP4A3	-0.28077	-2.70825	0.007452	0.223777

	-0.3026	-2.70962	0.007423	0.223566
	0.305593	2.707495	0.007469	0.223917
	-0.21893	-2.70876	0.007441	0.223777
ENSG00000261716;RPRD2;CTSK	0.318075	2.70964	0.007422	0.223566
	0.186592	2.705834	0.007504	0.224327
FAM83H-AS1;RHPN1-AS1;BAI1;GPIHBP1;TSTA3;RHPN1	0.319881	2.704605	0.007531	0.224574
RIN3	0.378116	2.709887	0.007417	0.223497
	0.213518	2.709109	0.007434	0.223728
	0.3673	2.706738	0.007485	0.224038
	0.210913	2.706448	0.007491	0.224129
INTS4L1;ENSG00000232906;ENSG00000229064	0.243514	2.707367	0.007471	0.223966
	0.269876	2.709647	0.007422	0.223566
TMEM212	-0.36894	-2.70587	0.007504	0.224327
	0.383859	2.709243	0.007431	0.223677
	-0.19143	-2.70849	0.007447	0.223777
TRIT1;SMAP2;MYCBP	-0.27167	-2.70839	0.007449	0.223777
	-0.2375	-2.70872	0.007442	0.223777
KIF26A;IGHG2;IGHA1;C14orf2;IGHGP;PLD4;C14orf79;JAG2;IGH A2;IGHG4	-0.31014	-2.71006	0.007414	0.223451
	0.312035	2.70749	0.007469	0.223917
MRPS31;LINC00332;LHFP	-0.35574	-2.70422	0.007539	0.224574
	-0.4217	-2.70679	0.007484	0.224036
	0.216043	2.706288	0.007495	0.224186
	0.412939	2.708077	0.007456	0.223798
	0.189871	2.709746	0.00742	0.223558
	0.176013	2.708994	0.007436	0.223774
	-0.18339	-2.70616	0.007497	0.224241
TBC1D10C;ALDH3B1;MRGPRF;UNC93B1;PITPNM1;GSTP1	-0.27395	-2.71031	0.007408	0.22343
MISP;FSTL3;ARID3A;SHC2;PPAP2C;MOB3A;HMHA1;REEP6;GPX 4	-0.24177	-2.70273	0.007572	0.224846
MBOAT1;ENSG00000226786;ENSG00000228412	0.314329	2.708455	0.007448	0.223777
C1orf216	-0.4669	-2.70654	0.007489	0.224117
INPP5A	-0.2696	-2.7045	0.007533	0.224574
	0.318665	2.706903	0.007481	0.223994
	-0.6351	-2.71023	0.00741	0.223448
ZNF660	-0.27157	-2.70597	0.007502	0.224315
EBF2;DPYSL2	-0.28483	-2.70721	0.007475	0.223994
	-0.20623	-2.70824	0.007453	0.223777
	-0.25246	-2.7032	0.007562	0.224739
B3GNT7	-0.32797	-2.70839	0.007449	0.223777
	-0.17932	-2.70547	0.007512	0.224394
	-0.30153	-2.707	0.007479	0.223994
	0.271984	2.704072	0.007543	0.224597
	0.174293	2.704144	0.007541	0.224597
	0.346238	2.707334	0.007472	0.223966
PKD1L1;TNS3	-0.35194	-2.70702	0.007479	0.223994

TSPAN4;ENSG00000251661;IFITM3;TALDO1;IFITM1;DEAF1	-0.29493	-2.70711	0.007477	0.223994
NTF3;CCND2;ANO2	-0.18267	-2.70866	0.007444	0.223777
	0.256496	2.704953	0.007524	0.224502
ITIH5	0.337147	2.704891	0.007525	0.224511
DAK	0.241977	2.708626	0.007444	0.223777
	-0.2841	-2.70831	0.007451	0.223777
PHTF1;BCL2L15;OLFML3;HIPK1;LRIG2;SLC16A1-AS1;MAGI3	0.322332	2.706573	0.007488	0.224113
	0.311998	2.708428	0.007448	0.223777
TSTA3;BAI1;LY6D;MROH6	-0.25989	-2.70694	0.007481	0.223994
	0.236909	2.707948	0.007459	0.223825
ENSG00000213080	-0.32351	-2.70849	0.007447	0.223777
	0.306969	2.706953	0.00748	0.223994
PLCG1	0.300284	2.708331	0.007451	0.223777
	0.318901	2.706489	0.00749	0.224127
PRF1	-0.20143	-2.70586	0.007504	0.224327
	0.226908	2.707483	0.007469	0.223917
	0.189171	2.707637	0.007466	0.223882
DNAJA4;ACSBG1;CTSH;ADAMTS7;WDR61;RASGRF1;IDH3A	-0.35929	-2.70364	0.007552	0.224639
	-0.39242	-2.70909	0.007434	0.223728
	-0.2987	-2.70693	0.007481	0.223994
GDPD5;CAPN5;ARRB1;UVRAG;B3GNT6	-0.56408	-2.70697	0.00748	0.223994
	0.273853	2.705447	0.007513	0.224394
	-0.16135	-2.70147	0.007599	0.22499
	0.217918	2.70824	0.007453	0.223777
ZNF101P2	-0.48337	-2.70691	0.007481	0.223994
	-0.24689	-2.70781	0.007462	0.223853
	0.282804	2.707824	0.007461	0.223853
	0.177468	2.706478	0.007491	0.224127
	0.306906	2.70858	0.007445	0.223777
	0.195398	2.707779	0.007462	0.223853
	0.276436	2.702027	0.007587	0.224921
	-0.20265	-2.7032	0.007562	0.224739
	0.347065	2.705614	0.007509	0.224341
	-0.8072	-2.70369	0.007551	0.224639
	-0.35398	-2.70711	0.007477	0.223994
	0.323891	2.704385	0.007536	0.224574
	-0.28925	-2.70533	0.007515	0.224394
TCF21;MOXD1;SLC2A12;TBPL1;EYA4;VNN3;SLC18B1;ENSG0000				
0227954	0.367132	2.704243	0.007539	0.224574
	0.263252	2.706948	0.00748	0.223994
FAM81A	0.284791	2.705293	0.007516	0.224394
	0.411405	2.705703	0.007507	0.224327
SUN2;PDGFB;CBX7;DNAL4;FAM83F	-0.27981	-2.7054	0.007514	0.224394
	0.349393	2.702233	0.007583	0.224906

KAZN;RNU1-1;DDI2	-0.2642	-2.70372	0.00755	0.224639
	0.25768	2.707634	0.007466	0.223882
	-0.32998	-2.70643	0.007492	0.224129
	-0.31584	-2.70703	0.007479	0.223994
DAXX	0.398553	2.705312	0.007516	0.224394
	0.300221	2.707063	0.007478	0.223994
FGD5;ZFYVE20;GRIP2;ANKRD28;TPRXL;TMEM43;BTD;HACL1;E				
NSG00000251576;ENSG00000228242	0.291187	2.70529	0.007516	0.224394
PDZD2;ENSG00000272086	-0.2824	-2.70749	0.007469	0.223917
	0.267806	2.703514	0.007555	0.224668
	-0.40829	-2.70496	0.007523	0.224502
	0.415535	2.704223	0.007539	0.224574
	0.326821	2.7039	0.007546	0.224605
	0.2646	2.702076	0.007586	0.224912
	0.260855	2.705733	0.007507	0.224327
	0.251127	2.704346	0.007537	0.224574
	0.229621	2.703937	0.007546	0.224597
HOOK3	-0.33139	-2.70605	0.0075	0.224276
	0.240105	2.705684	0.007508	0.224327
	-0.26282	-2.7053	0.007516	0.224394
	0.341562	2.704756	0.007528	0.224567
	0.267743	2.705739	0.007507	0.224327
FAM81B;ENSG00000225165;CAST;MCTP1	-0.33818	-2.70077	0.007615	0.225079
BCL11B;DEGS2;WARS;EVL;ENSG00000225746;MEG3	0.457615	2.705106	0.00752	0.224468
	0.270147	2.703978	0.007545	0.224597
ENSG00000269353	-0.32937	-2.70627	0.007495	0.224186
	0.200297	2.704921	0.007524	0.224507
	0.198722	2.706126	0.007498	0.224245
	0.278579	2.704324	0.007537	0.224574
	0.237862	2.707734	0.007463	0.223865
MRGPRF;ENSG00000256508	0.484082	2.706759	0.007484	0.224038
	0.233084	2.704268	0.007538	0.224574
CIAO1;ENSG00000259848	-0.32787	-2.70587	0.007504	0.224327
	0.362682	2.704954	0.007524	0.224502
ABHD2;KIF7;FANCI;MFGE8;NTRK3	-0.30523	-2.70636	0.007493	0.224157
	0.251933	2.704073	0.007543	0.224597
ENSG00000213222;C2orf27A;PLEKHB2;CCDC74A;CCDC74B;PT				
PN18	0.26996	2.704784	0.007527	0.224565
EVC;S100P;STK32B;EVC2	-0.37672	-2.7051	0.00752	0.224468
	0.249471	2.702994	0.007566	0.224761
	-0.31348	-2.70576	0.007506	0.224327
	-0.34925	-2.70472	0.007529	0.224574
	-0.24551	-2.70236	0.00758	0.224906
	0.256459	2.704623	0.007531	0.224574
DOC2B;YWHAE;GLOD4;SCARF1	-0.31032	-2.70245	0.007578	0.224887
	0.252439	2.704214	0.00754	0.224574
	0.256115	2.703264	0.00756	0.224739

	0.375264	2.704444	0.007535	0.224574
	0.366468	2.703939	0.007546	0.224597
	0.489904	2.705709	0.007507	0.224327
	0.359036	2.705658	0.007508	0.224328
	-0.35798	-2.70433	0.007537	0.224574
	0.234334	2.705513	0.007511	0.224391
	0.320867	2.703131	0.007563	0.224744
	-0.3408	-2.70333	0.007559	0.224723
	-0.33419	-2.70296	0.007567	0.224761
FIZ1;LENG9;TMC4	0.244106	2.701667	0.007595	0.224985
	0.214241	2.700818	0.007614	0.225079
	0.30966	2.703781	0.007549	0.224639
	-0.38835	-2.70504	0.007522	0.224495
	0.2776	2.69625	0.007715	0.225928
	0.249895	2.704473	0.007534	0.224574
	0.295537	2.701967	0.007589	0.224921
MSI2;DGKE;EPX	-0.37181	-2.70271	0.007572	0.224846
PRF1	-0.35916	-2.70526	0.007517	0.2244
	0.254477	2.70087	0.007613	0.225079
	0.196609	2.701588	0.007597	0.224985
LMCD1;THUMPD3	-0.49626	-2.70221	0.007583	0.224906
FYTTD1	-0.29257	-2.7043	0.007538	0.224574
	0.201599	2.702608	0.007575	0.224886
	-0.17915	-2.70384	0.007548	0.224631
	0.264992	2.703696	0.007551	0.224639
	0.171065	2.704285	0.007538	0.224574
TSSC1	0.299778	2.701286	0.007604	0.22499
	-0.16284	-2.70025	0.007626	0.225221
	-0.35614	-2.70402	0.007544	0.224597
RN7SL517P	0.273279	2.701252	0.007604	0.22499
	0.293773	2.70112	0.007607	0.225049
HIST1H3A;HIST1H4C;HIST1H4H;HIST1H2BB;HIST1H3B;HIST1H2BF;HIST1H3C;HIST1H4F;HIST1H3F;HIST1H3D;PPIAP29;HIST1H1D;HIST1H2BH;HIST1H2AB;HIST1H4B;HIST1H1A;HIST1H2BC;HIST1H2AE;HIST1H2BG	0.259894	2.700962	0.007611	0.225058
	-0.16324	-2.70253	0.007576	0.224886
	-0.65829	-2.69957	0.007641	0.225321
	0.437517	2.704404	0.007535	0.224574
BAI3;COL19A1	-0.36982	-2.69834	0.007668	0.22547
	-0.16914	-2.7034	0.007557	0.224722
	-0.20434	-2.70225	0.007582	0.224906
	0.423905	2.702235	0.007583	0.224906
	0.159956	2.702118	0.007585	0.224912
ENSG00000231615;DNM3;ENSG00000203739	0.265719	2.70363	0.007552	0.224639
	0.220206	2.702465	0.007578	0.224887
	0.325552	2.702162	0.007584	0.224906
KIF26A;C14orf2;INF2;RCOR1	-0.29205	-2.70258	0.007575	0.224886

NUMB	-0.18617	-2.69761	0.007684	0.225603
	0.313557	2.701932	0.007589	0.224927
	0.30712	2.703342	0.007559	0.224723
	0.224801	2.701976	0.007588	0.224921
PRSS22;IL32;ABCA3;PAQR4;CCDC64B;ENSG00000262370;ENSG00000205890;C16orf59;ZNF263	-0.24911	-2.70158	0.007597	0.224985
	-0.34119	-2.70321	0.007562	0.224739
	0.277345	2.704656	0.00753	0.224574
	0.231354	2.701264	0.007604	0.22499
	0.205298	2.704452	0.007534	0.224574
	0.322823	2.704044	0.007543	0.224597
	0.26386	2.702725	0.007572	0.224846
PAX1	-0.35563	-2.7037	0.007551	0.224639
	-0.3754	-2.70216	0.007584	0.224906
ENSG00000268172	0.188556	2.70126	0.007604	0.22499
	-0.18287	-2.70165	0.007596	0.224985
GPATCH8	0.214549	2.703132	0.007563	0.224744
RUNX1T1	0.321288	2.703382	0.007558	0.224722
	-0.42346	-2.70293	0.007568	0.224761
MXRA7	0.253841	2.700079	0.00763	0.225246
	-0.34373	-2.70008	0.00763	0.225246
	0.237079	2.700591	0.007619	0.225158
	0.311658	2.702081	0.007586	0.224912
	-0.28828	-2.70407	0.007543	0.224597
	-0.29958	-2.70298	0.007566	0.224761
	-0.30384	-2.70249	0.007577	0.224887
ENSG00000213222;PLEKHB2	0.388259	2.701596	0.007597	0.224985
	-0.20375	-2.70294	0.007567	0.224761
	-0.29291	-2.70398	0.007545	0.224597
	0.224614	2.703591	0.007553	0.224649
ENSG00000261183;DLL4;RMDN3;C15orf52;LTK;MGA;ENSG00000259536;SRP14-AS1	-0.28562	-2.70256	0.007576	0.224886
SH2D2A	0.302465	2.702159	0.007584	0.224906
	0.186557	2.700359	0.007624	0.225201
	0.186666	2.700761	0.007615	0.225079
	-0.37076	-2.69832	0.007669	0.22547
	-0.16871	-2.70352	0.007555	0.224668
	0.174488	2.703187	0.007562	0.224739
CASS4	0.247214	2.700492	0.007621	0.225191
	-0.23604	-2.7014	0.007601	0.22499
	-0.17918	-2.70186	0.007591	0.224942
TBC1D4	-0.38416	-2.70051	0.00762	0.225191
	-0.26143	-2.70123	0.007605	0.22499
	0.222442	2.701278	0.007604	0.22499
	-0.26833	-2.70366	0.007552	0.224639
	-0.2125	-2.70099	0.00761	0.225058
	0.348141	2.701828	0.007592	0.224947

AIM2;ENSG00000213080;FCRL6;LY9	0.269073	2.702919	0.007568	0.224761
CNIH1	0.31204	2.701966	0.007589	0.224921
ARHGAP29;ABCD3;GCLM;DNTTIP2;TMED5	-0.32132	-2.70231	0.007581	0.224906
	0.180336	2.701299	0.007603	0.22499
	0.285136	2.699656	0.007639	0.225318
PPP1R10	-0.37481	-2.6968	0.007702	0.22584
	0.264405	2.702158	0.007584	0.224906
PARVG	-0.53887	-2.70291	0.007568	0.224761
	0.214519	2.699275	0.007648	0.225436
	-0.27849	-2.70097	0.007611	0.225058
	-0.2792	-2.69631	0.007713	0.225928
	-0.21511	-2.70013	0.007629	0.225246
C1orf186;SLC41A1;RAB7L1;KLHDC8A	0.294057	2.699248	0.007648	0.225439
	-0.50187	-2.70308	0.007564	0.224758
	0.307864	2.701039	0.007609	0.225058
	0.28046	2.701806	0.007592	0.224947
	0.319755	2.698433	0.007666	0.22547
SERPINB6;SERPINB1;WRNIP1;SLC22A23;FAM50B	-0.22231	-2.69973	0.007638	0.225318
CORO2B;ENSG00000245750;PAQR5;ENSG00000259641;ENSG00000259426	-0.33833	-2.70124	0.007605	0.22499
	-0.29286	-2.69985	0.007635	0.225299
	0.256534	2.702194	0.007584	0.224906
TNRC6C;ST6GALNAC2;ST6GALNAC1;ENSG00000267506	-0.25421	-2.69842	0.007667	0.22547
HEBP1;LRP6;GRIN2B	0.296571	2.699625	0.00764	0.225318
	0.278257	2.700278	0.007626	0.225221
CLUAP1;ZNF263	0.378496	2.701748	0.007593	0.224953
	0.337901	2.701444	0.0076	0.22499
ZNF3;PCOLCE;ZKSCAN1;STAG3;BUD31;KPNA7;GAL3ST4;ENSG00000239521;AP4M1	0.337692	2.698442	0.007666	0.22547
	0.261065	2.700297	0.007625	0.225221
TTC16;ST6GALNAC6;COQ4;C9orf117;ANGPTL2;AK1;SNORA65;TOR2A;DNM1;CDK9;GARNL3;STXBP1;RALGPS1	-0.28889	-2.7013	0.007603	0.22499
	0.249199	2.70132	0.007603	0.22499
	-0.20455	-2.70254	0.007576	0.224886
	0.239536	2.701008	0.00761	0.225058
	-0.24444	-2.69348	0.007776	0.226543
	0.22274	2.698727	0.00766	0.22547
	-0.20296	-2.701	0.00761	0.225058
AHNAK2;GPR132	-0.20988	-2.70178	0.007593	0.224951
	0.307342	2.701265	0.007604	0.22499
	0.383335	2.700383	0.007623	0.225201
LINC00964	-0.25206	-2.69802	0.007675	0.225498
	0.266569	2.698188	0.007672	0.22549
	-0.29693	-2.69645	0.00771	0.225914
	-0.23249	-2.69503	0.007742	0.226117
	0.278199	2.698433	0.007666	0.22547
TPCN2;CTTN;ANO1	-0.23221	-2.69891	0.007656	0.22547

EFEMP2;TM7SF2;NRXN2;LTBP3;CST6;PRDX5;PYGM;VEGFB;ZNH				
IT2;NAALADL1;SF3B2;SNX15;MRPL49;FIBP	-0.32209	-2.69836	0.007668	0.22547
RALGPS2	-0.30926	-2.70045	0.007622	0.225201
	0.160687	2.698691	0.007661	0.22547
	-0.2354	-2.69801	0.007676	0.225498
	-0.30806	-2.70036	0.007624	0.225201
C4A;NOTCH4;ENSG00000225914	-0.48781	-2.69991	0.007634	0.225272
	0.208841	2.698694	0.007661	0.22547
	0.230931	2.699338	0.007646	0.225436
	0.360809	2.698765	0.007659	0.22547
PWWP2B	-0.29061	-2.69957	0.007641	0.225321
NT5C3A;BBS9	-0.33251	-2.69872	0.00766	0.22547
	0.241445	2.699935	0.007633	0.225272
	-0.57352	-2.69793	0.007677	0.225509
	0.292753	2.700036	0.007631	0.225254
	0.486993	2.700899	0.007612	0.225079
GSTM3;HENMT1;CYB561D1;CSF1	0.217169	2.699631	0.00764	0.225318
	0.287066	2.700381	0.007623	0.225201
GOLGA3	0.353128	2.699952	0.007633	0.225272
	-0.285	-2.70189	0.00759	0.224938
	-0.27496	-2.6985	0.007665	0.22547
	0.305867	2.700072	0.00763	0.225246
IL32;ENSG00000262370;C16orf71;CDIP1;CLUAP1;GLIS2	-0.31612	-2.70077	0.007615	0.225079
	-0.36372	-2.69965	0.007639	0.225318
ATP2C2;TLDC1	-0.248	-2.69803	0.007675	0.225498
	0.234381	2.6988	0.007658	0.22547
USP49	0.277785	2.699012	0.007653	0.22547
	-0.31292	-2.6986	0.007663	0.22547
TSSC1	0.31631	2.697487	0.007687	0.225666
	0.289118	2.698522	0.007664	0.22547
	0.344726	2.699767	0.007637	0.225318
	-0.2465	-2.69824	0.007671	0.225472
SRPR	-0.22315	-2.69651	0.007709	0.225914
	0.233387	2.699968	0.007632	0.225272
	-0.18583	-2.69783	0.00768	0.225509
	0.228244	2.697333	0.007691	0.225729
	-0.16774	-2.69387	0.007767	0.226459
C11orf21;TSPAN32	-0.48953	-2.70077	0.007615	0.225079
	0.237325	2.700635	0.007618	0.225145
	-0.26667	-2.69971	0.007638	0.225318
	0.266674	2.695888	0.007723	0.225977
HOXA-AS2;HOXA2;HOXA5;HOXA3;TAX1BP1	-0.38915	-2.69897	0.007654	0.22547
	0.144596	2.697837	0.007679	0.225509
	-0.39153	-2.69918	0.00765	0.225467
CCDC109B	-0.43275	-2.7001	0.007629	0.225246
TRIM25	0.384372	2.696143	0.007717	0.225928
GPSM3;LTB;TAPSAR1;HCP5	-0.26152	-2.69839	0.007667	0.22547

IL17RD;DENND6A;FLNB;RNF7P1;ERC2;ASB14;DNAH12	0.303519	2.696018	0.00772	0.225939
LTBP4;PRX;AXL	-0.35737	-2.6997	0.007638	0.225318
	0.272482	2.697737	0.007682	0.225535
	0.146258	2.699067	0.007652	0.22547
	-0.35834	-2.69843	0.007666	0.22547
	-0.31931	-2.69887	0.007657	0.22547
ACACB	0.243797	2.697439	0.007688	0.225682
	-0.2286	-2.69717	0.007694	0.225757
	0.275365	2.698262	0.00767	0.225472
	0.310398	2.700108	0.007629	0.225246
	0.457846	2.698967	0.007654	0.22547
DNAJB9	0.343165	2.696839	0.007702	0.225839
MISP;ARID3A;PPAP2C;HMHA1;SHC2;GPX4;REEP6	-0.26833	-2.69585	0.007724	0.225977
CALHM2;USMG5;NT5C2;MGEA5	-0.24944	-2.69928	0.007648	0.225436
	-0.42077	-2.69808	0.007674	0.225498
	-0.24972	-2.69855	0.007664	0.22547
	-0.44955	-2.69783	0.00768	0.225509
SMOC2;MLLT4	0.324642	2.698534	0.007664	0.22547
	-0.36176	-2.69787	0.007679	0.225509
GPR157;ENO1	-0.37103	-2.69884	0.007657	0.22547
	0.269349	2.69931	0.007647	0.225436
	0.270056	2.697169	0.007694	0.225757
	-0.38805	-2.69835	0.007668	0.22547
SLBP	-0.36735	-2.6985	0.007665	0.22547
	0.305869	2.698137	0.007673	0.225498
ARMC9;CAB39	-0.30395	-2.69591	0.007722	0.225977
	-0.21006	-2.69716	0.007694	0.225757
	0.279157	2.697231	0.007693	0.225755
	0.220902	2.697096	0.007696	0.225765
	-0.37494	-2.69379	0.007769	0.226478
PCDH1;CD14;PCDH12;TMCO6;KIAA0141	0.263481	2.696588	0.007707	0.22591
	0.301369	2.695388	0.007734	0.22607
	-0.40202	-2.69616	0.007717	0.225928
	-0.28849	-2.69697	0.007699	0.225832
TENC1	-0.22208	-2.69639	0.007711	0.225928
CCDC158	0.389049	2.69849	0.007665	0.22547
	0.219677	2.699549	0.007642	0.225321
	0.25099	2.69664	0.007706	0.22591
	0.253452	2.692812	0.007791	0.226667
	0.339945	2.69899	0.007654	0.22547
TBC1D10C	0.363887	2.69891	0.007656	0.22547
PPOX;SLAMF1;OLFML2B;USP21;NR1I3	-0.37358	-2.69828	0.00767	0.225472
	0.284752	2.69837	0.007668	0.22547
TMEM255B;GAS6	0.350111	2.696438	0.00771	0.225914
	0.256361	2.69679	0.007703	0.22584
	0.254767	2.695952	0.007721	0.225967
	-0.38354	-2.6979	0.007678	0.225509

TSG101;UEVLD;NUCB2;SPTY2D1	0.247424	2.693904	0.007767	0.226459
WNT9A	-0.3405	-2.69257	0.007797	0.22676
	0.368882	2.697874	0.007679	0.225509
	-0.38517	-2.69622	0.007715	0.225928
	-0.27581	-2.69838	0.007667	0.22547
	-0.33865	-2.69873	0.00766	0.22547
	0.452695	2.693429	0.007777	0.226543
	-0.35298	-2.69774	0.007682	0.225535
C12orf49;MED13L;RNFT2;HRK	-0.35302	-2.69831	0.007669	0.22547
PTP4A2P2	0.196889	2.694783	0.007747	0.226187
	0.180439	2.695762	0.007725	0.225998
THEM4;SNAPIN	0.343202	2.69649	0.007709	0.225914
	-0.2908	-2.69385	0.007768	0.226459
ZMIZ1;PPIF;TMEM254	0.242247	2.695077	0.007741	0.226105
	0.240747	2.691741	0.007815	0.226959
	-0.41061	-2.69687	0.007701	0.225839
CMKLR1	-0.24006	-2.6956	0.007729	0.22607
	0.240851	2.695075	0.007741	0.226105
	0.267702	2.698103	0.007674	0.225498
	-0.35498	-2.69555	0.00773	0.22607
	0.398702	2.696314	0.007713	0.225928
	0.354847	2.696844	0.007701	0.225839
CCT5;ENSG00000250001	-0.46026	-2.69478	0.007747	0.226187
	0.264738	2.696886	0.0077	0.225839
HNF4G	-0.47411	-2.69614	0.007717	0.225928
	0.208202	2.696629	0.007706	0.22591
FLI1;TP53AIP1	0.331254	2.695353	0.007735	0.22607
	0.205779	2.696172	0.007716	0.225928
	0.342079	2.694546	0.007752	0.226248
PRKCZ;SKI	-0.66221	-2.69812	0.007673	0.225498
ARHGEF10L;AKR7A2	0.230023	2.695259	0.007737	0.22607
ENSG00000272144	0.174471	2.696906	0.0077	0.225839
FANK1;ADAM12;FANK1-AS1;LHPP;DHX32;BCCIP;ENSG00000258539	-0.41381	-2.69522	0.007737	0.22607
	0.340629	2.694552	0.007752	0.226248
ANKH;RBBP4P1;DNAH5;TRIO	-0.43043	-2.69713	0.007695	0.22576
GNA12;IQCE;CHST12	-0.58616	-2.69726	0.007692	0.225755
TNXB;HLA-DOA	0.354669	2.697318	0.007691	0.225729
	-0.16514	-2.69543	0.007733	0.22607
CPXM2;LHPP	-0.36006	-2.6951	0.00774	0.226105
	-0.31663	-2.69293	0.007789	0.226667
	0.221014	2.696249	0.007715	0.225928
	0.2386	2.692912	0.007789	0.226667
PVRL4;F11R;ENSG00000213080;SDHC;MPZ;TSTD1;ATP1A2;UFC1;NCSTN;OLFML2B;ADAMTS4;C1orf192	-0.28654	-2.69529	0.007736	0.22607
	-0.30726	-2.6966	0.007707	0.22591
	-0.27739	-2.6947	0.007749	0.226198

	0.376719	2.69627	0.007714	0.225928
PAQR3	-0.43195	-2.69119	0.007828	0.227093
	-0.3332	-2.69469	0.007749	0.226198
SELPLG	-0.26018	-2.69207	0.007808	0.226877
	-0.37022	-2.69607	0.007719	0.225928
	0.274144	2.692326	0.007802	0.226783
	0.325488	2.695117	0.00774	0.226105
	-0.14368	-2.69413	0.007762	0.226346
HUS1	0.261262	2.695306	0.007736	0.22607
	0.334308	2.69606	0.007719	0.225928
	0.351414	2.696088	0.007718	0.225928
BLOC1S4	0.343848	2.694973	0.007743	0.22614
	0.253816	2.696516	0.007709	0.225914
	0.251819	2.694228	0.00776	0.226346
	0.286874	2.694885	0.007745	0.226166
DNASE1L3;FLNB	0.286476	2.696482	0.007709	0.225914
ENSG00000260977;EPCAM;EPAS1;SOCS5	0.249073	2.691287	0.007825	0.227093
	0.205043	2.694148	0.007761	0.226346
	0.405707	2.694461	0.007754	0.226257
	0.331178	2.695485	0.007732	0.22607
	-0.31085	-2.6942	0.00776	0.226346
DOPEY2;TTC3;CBR3-AS1;HLCS	-0.47662	-2.69362	0.007773	0.226543
	0.151373	2.694847	0.007746	0.226175
SLC37A1;ICOSLG;CSTB;PDE9A;TRAPPC10;ENSG00000225331;C				
BS;UBASH3A	-0.74641	-2.69371	0.007771	0.226511
	-0.3115	-2.69584	0.007724	0.225977
	0.261207	2.693841	0.007768	0.226459
	0.237465	2.695571	0.00773	0.22607
	0.282068	2.69535	0.007735	0.22607
	0.217945	2.695635	0.007728	0.226065
	-0.2038	-2.69168	0.007817	0.226959
	-0.18365	-2.69333	0.00778	0.226561
	-0.22373	-2.69095	0.007833	0.227174
HN1;ENSG00000263786;ST6GALNAC1;UBALD2	-0.23394	-2.69451	0.007753	0.226252
RPL13AP5;ENSG00000269948	0.236339	2.694615	0.007751	0.226234
	-0.21416	-2.69581	0.007724	0.225984
LTBP3;PYGM;NAALADL1;VEGFB;BATF2;NRXN2;STIP1;TM7SF2;R				
NASEH2C	0.516935	2.696098	0.007718	0.225928
CHD7	-0.28962	-2.69527	0.007736	0.22607
ADAMTS9-AS2	0.399562	2.693947	0.007766	0.226452
SNORA20	0.224869	2.692887	0.00779	0.226667
	0.313024	2.693027	0.007786	0.226667
SLC35F2;CWF19L2;KDELC2;ELMOD1;EXPH5	-0.30699	-2.69078	0.007837	0.227207
THBS2	0.490808	2.693	0.007787	0.226667
MEIG1;C10orf111;CDNF;RPP38;FAM107B;ACBD7	-0.28755	-2.69342	0.007778	0.226543
PDZD8	0.308507	2.693407	0.007778	0.226543

NRXN2;PRDX5;EFEMP2;TM7SF2;PYGM;LTBP3;CST6;RASGRP2; MAP4K2;PPP2R5B;YIF1A;EHBP1L1;SIPA1;SF3B2;ZNHIT2;MAP3K 11;SLC25A45;NAALADL1;MRPL49;CNIH2;SNX15;FIBP;BANF1	-0.37771	-2.69489	0.007745	0.226166
	0.338577	2.69539	0.007734	0.22607
	-0.36109	-2.69449	0.007754	0.226252
	-0.23472	-2.69535	0.007735	0.22607
CLN8;ARHGEF10	-0.29074	-2.69155	0.00782	0.227012
ENSG00000261889	0.225633	2.689305	0.00787	0.227768
	0.237155	2.694168	0.007761	0.226346
	-0.22937	-2.68997	0.007855	0.227588
	0.193395	2.694273	0.007759	0.226333
ZBTB46;STMN3;PTK6	-0.27343	-2.69524	0.007737	0.22607
	0.16333	2.692044	0.007808	0.226877
C5orf42;ENSG00000248969;SPEF2	-0.37869	-2.69341	0.007778	0.226543
	0.240927	2.692472	0.007799	0.22678
	0.296506	2.692007	0.007809	0.226877
	-0.32886	-2.69442	0.007755	0.226265
	-0.41511	-2.69298	0.007788	0.226667
	0.302365	2.693282	0.007781	0.226561
BDKRB2;CLMN;SYNE3;LINC00341	0.250999	2.69117	0.007828	0.227093
FBXO11	0.155448	2.693587	0.007774	0.226543
	-0.47679	-2.69355	0.007775	0.226543
	0.285315	2.694711	0.007749	0.226198
	0.194011	2.693607	0.007773	0.226543
	0.167106	2.691949	0.007811	0.226877
	0.310316	2.689376	0.007869	0.227737
	-0.18957	-2.69538	0.007734	0.22607
PDLIM7;ARL10;FGFR4;DBN1;PRR7;TSPAN17	-0.45236	-2.69061	0.007841	0.227238
	-0.26237	-2.69432	0.007758	0.22632
	-0.25567	-2.69296	0.007788	0.226667
	-0.33221	-2.69119	0.007828	0.227093
	-0.233	-2.69258	0.007797	0.22676
FGD3	-0.24318	-2.69099	0.007832	0.227161
PCYT2;WDR45B;LRRC45;MAFG-AS1;CCDC57;ENSG00000265678;METRNL;B3GNTL1	-0.33466	-2.69247	0.007799	0.22678
KHK;KRTCAP3	-0.44548	-2.69331	0.00778	0.226561
	0.317923	2.691127	0.007829	0.227102
RNF216;CYTH3;ENSG00000230733;AIMP2;RAC1	-0.41296	-2.68943	0.007867	0.227737
COASY;KRT19;PSME3	-0.29835	-2.6932	0.007782	0.226596
EFHD1;NGEF	-0.30722	-2.69349	0.007776	0.226543
	0.243114	2.690688	0.007839	0.227235
C5AR1	0.238738	2.692333	0.007802	0.226783
	0.254875	2.692873	0.00779	0.226667
	0.381861	2.687857	0.007903	0.228161
SMOC2	0.307034	2.692813	0.007791	0.226667
	0.284917	2.692819	0.007791	0.226667

	0.339378	2.692784	0.007792	0.226669
RASAL3;TECR;DNAJB1;SYDE1;GIPC1;AP1M1	-0.18625	-2.69286	0.00779	0.226667
	0.340194	2.692386	0.007801	0.22678
PILRA	-0.25577	-2.69165	0.007817	0.22696
	0.287258	2.692108	0.007807	0.226877
	0.341944	2.69263	0.007795	0.226754
	-0.32079	-2.69147	0.007821	0.227047
	0.34521	2.688704	0.007884	0.227856
	-0.29645	-2.69345	0.007777	0.226543
	0.209723	2.69178	0.007814	0.226956
ACVR1B;GRASP;ITGB7;ACVRL1;OR7E47P;KRT18;KRT80;ATP5G2	-0.36272	-2.69061	0.007841	0.227238
	-0.2355	-2.69252	0.007798	0.22678
	0.456068	2.691252	0.007826	0.227093
	0.185769	2.687242	0.007917	0.228277
	-0.32512	-2.68322	0.008009	0.229065
TNS1;SPEG	-0.23909	-2.68848	0.007889	0.227941
	0.2558	2.688958	0.007878	0.227841
	0.22155	2.691421	0.007822	0.227065
	-0.29597	-2.6917	0.007816	0.226959
TEAD2;PLA2G4C;CPT1C;EHD2;RUVBL2;EMP3;RASIP1;CA11;RRAS;RCN3;FAM83E;SEPW1;CCDC114;PPFIA3;NTF4;DBP;HRC;PRRG2;ZNF114;CYTH2;ADM5;FUT1;PLEKHA4;FCGRT;MAMSTR;PPP1R15A;GYS1	-0.3447	-2.69116	0.007828	0.227093
	0.249395	2.689661	0.007862	0.227705
	-0.2677	-2.69239	0.007801	0.22678
	-0.31916	-2.69199	0.00781	0.226877
PCYT2;MAFG-AS1;LRRC45	-0.26257	-2.69178	0.007814	0.226956
	-0.22091	-2.69169	0.007816	0.226959
	0.360365	2.69082	0.007836	0.227195
ZBTB9	0.366302	2.693302	0.00778	0.226561
	-0.27917	-2.69106	0.007831	0.22713
SNX33	-0.2999	-2.69087	0.007835	0.227192
UBXN7-AS1	0.277322	2.690876	0.007835	0.227192
	-0.2316	-2.69066	0.00784	0.227238
	-0.21564	-2.68938	0.007868	0.227737
	0.395723	2.69196	0.00781	0.226877
	-0.27159	-2.69204	0.007808	0.226877
	0.340015	2.691238	0.007827	0.227093
EZR;FNDC1;DYNLT1;RSPH3;TAGAP;TCP1	-0.34842	-2.68569	0.007952	0.228596
	-0.33417	-2.68982	0.007859	0.227649
	-0.30288	-2.69212	0.007807	0.226877
	-0.33322	-2.68945	0.007867	0.227737
	0.423954	2.692402	0.0078	0.22678
	0.430805	2.692378	0.007801	0.22678
	0.227846	2.691944	0.007811	0.226877
	-0.23355	-2.69014	0.007851	0.227512

	0.196529	2.689515	0.007865	0.227737
	-0.2933	-2.68871	0.007884	0.227856
	0.259576	2.689818	0.007859	0.227649
LYPLA1	-0.17703	-2.68865	0.007885	0.227856
COASY;ACLY;ENSG00000236194	0.213143	2.689434	0.007867	0.227737
	-0.32774	-2.69135	0.007824	0.227093
	-0.35565	-2.68836	0.007892	0.227976
SDC4;WFDC3;PIGT;DNTTIP1;TOMM34;PCIF1;SYS1;WISP2;WFD				
C2;CD40;ADA;HSPD1P21	-0.28624	-2.69085	0.007835	0.227192
DYNLL1;COX6A1	-0.26432	-2.68652	0.007933	0.228424
	-0.2428	-2.689	0.007877	0.227841
	0.303605	2.682848	0.008017	0.229162
	0.337708	2.685692	0.007952	0.228596
MLH3	-0.22086	-2.68948	0.007866	0.227737
	0.315663	2.687896	0.007902	0.228161
	-0.36509	-2.68897	0.007878	0.227841
	0.264578	2.689768	0.00786	0.227666
CGN;ENSG00000269621;RORC	0.250749	2.690739	0.007838	0.227217
RBM23;C14orf119;CDH24;SLC22A17	0.284273	2.690482	0.007844	0.227308
	0.353524	2.688679	0.007884	0.227856
GLB1L3	-0.29826	-2.68707	0.007921	0.228277
	0.529529	2.689959	0.007855	0.227588
ZDHHC18;PTAFR;XKR8	-0.25674	-2.68866	0.007885	0.227856
	0.226683	2.690026	0.007854	0.227575
CD2	-0.36217	-2.6876	0.007909	0.228222
TIE1;ATP6V0B;ELOVL1;C1orf210;TMEM125;SLC2A1;EBNA1BP2;				
SZT2;ERI3	-0.28907	-2.69122	0.007827	0.227093
ABHD3	-0.42163	-2.68857	0.007887	0.227898
	0.172187	2.689026	0.007876	0.227841
	-0.34314	-2.68942	0.007868	0.227737
	0.239161	2.689735	0.00786	0.227672
	-0.27377	-2.68767	0.007907	0.228207
CLSTN3;IFFO1;CD9;CD27;PLEKHG6;LEPREL2;VWF;SCNN1A;ANO				
2;RBP5;C1R;C1S;C1RL	-0.34917	-2.68927	0.007871	0.227774
	0.356877	2.68896	0.007878	0.227841
SEMA3G;ITIH3;STAB1;PRKCD;PBRM1;SPCS1	0.214511	2.689586	0.007864	0.227737
FOXJ2;ATN1;ENSG00000257084;LEPREL2;FAM66C;SPSB2	-0.35365	-2.68872	0.007883	0.227856
ACACB;WSCD2;FICD	-0.33215	-2.68527	0.007962	0.228686
CACNA1C-AS4	-0.28081	-2.68799	0.0079	0.228124
IQCE	-0.39966	-2.68457	0.007978	0.22893
	-0.37897	-2.6889	0.007879	0.227856
	-0.19508	-2.68837	0.007891	0.227976
PFKM;FMNL3;RAPGEF3;VDR;ENSG00000205537;DDX23;TMBI				
M6;TUBA1C;LMBR1L	-0.21522	-2.68737	0.007914	0.228277
	-0.34391	-2.6881	0.007897	0.228093
	-0.2606	-2.68663	0.007931	0.228398
	-0.19539	-2.68835	0.007892	0.227976

SLC22A23;SERPINB6;WRNIP1;TUBB2A;GMDS	-0.31457	-2.68872	0.007883	0.227856
	0.250899	2.686747	0.007928	0.228365
TSPAN1;LURAP1	-0.30382	-2.68952	0.007865	0.227737
	-0.37311	-2.68707	0.007921	0.228277
FHL2	0.309289	2.687124	0.00792	0.228277
	-0.23738	-2.68868	0.007884	0.227856
ADPRHL1	-0.23368	-2.68786	0.007903	0.228161
	0.277339	2.687218	0.007917	0.228277
DSP	-0.35063	-2.68768	0.007907	0.228207
PTPRN2	0.447009	2.688754	0.007883	0.227856
	0.274567	2.685852	0.007949	0.228565
	0.212863	2.687984	0.0079	0.228124
CLIC6	-0.43373	-2.68694	0.007924	0.228313
LILRB1;SUV420H2	-0.66247	-2.68729	0.007916	0.228277
	0.287184	2.68718	0.007918	0.228277
	0.280325	2.68556	0.007955	0.228637
	0.34744	2.689217	0.007872	0.227795
	0.271359	2.687439	0.007912	0.228277
CRTC3;FES;CIB1;WDR93;PEX11A;ENSG00000259561;KIF7	-0.30848	-2.68487	0.007971	0.228856
NLRP2;GP6	0.342376	2.686261	0.007939	0.22851
	0.280179	2.68611	0.007943	0.228512
	-0.24873	-2.68597	0.007946	0.228554
	0.224724	2.682975	0.008014	0.229151
	0.410784	2.688304	0.007893	0.227992
HSPG2	-0.31611	-2.68713	0.007919	0.228277
EXOC3L4;TNFAIP2;WDR20;MOK	-0.22133	-2.6876	0.007909	0.228222
SMIM5;SLC16A5;FDXR;RNF157-AS1	0.268422	2.687397	0.007913	0.228277
CCR4	0.271184	2.68783	0.007904	0.228164
AZGP1;AGFG2;CNPY4;ENSG00000239521;STAG3	-0.27469	-2.68267	0.008021	0.22921
	-0.23852	-2.68412	0.007988	0.228955
CCDC37;CHCHD6;PODXL2	-0.33242	-2.68657	0.007932	0.228419
ZMAT4	0.34012	2.688008	0.0079	0.228124
	-0.24071	-2.68692	0.007924	0.228315
	0.504202	2.684126	0.007988	0.228955
	-0.16783	-2.68635	0.007937	0.228489
LSP1	-0.20286	-2.68533	0.00796	0.228682
UQCC2;PFDN6	-0.2809	-2.68906	0.007876	0.227841
EVI2B	-0.27066	-2.6829	0.008016	0.229162
ENSG00000262601;COX4I1	0.332726	2.687394	0.007913	0.228277
NOVA2	-0.24076	-2.68684	0.007926	0.228334
	-0.34941	-2.68551	0.007956	0.228643
	-0.33277	-2.68505	0.007967	0.2288
ZNF44	-0.19354	-2.68312	0.008011	0.229094
PHLDB1;ENSG00000255176	0.329402	2.686148	0.007942	0.228512
	0.313371	2.687102	0.00792	0.228277
	0.25622	2.686762	0.007928	0.228365
	-0.28104	-2.68712	0.00792	0.228277

	0.269567	2.687437	0.007912	0.228277
APBB2;RBM47	0.361478	2.687169	0.007919	0.228277
PARP11	0.227854	2.687671	0.007907	0.228207
	0.400896	2.687332	0.007915	0.228277
	-0.2838	-2.68489	0.00797	0.228856
	0.318145	2.686883	0.007925	0.228322
	-0.18318	-2.68653	0.007933	0.228424
	-0.26874	-2.68473	0.007974	0.228889
	-0.22019	-2.68366	0.007999	0.229018
	0.26475	2.687086	0.00792	0.228277
	0.292356	2.687687	0.007907	0.228207
	-0.37108	-2.68666	0.00793	0.22839
	-0.28598	-2.68866	0.007885	0.227856
ENSG00000262601	0.277858	2.689133	0.007874	0.227835
	-0.36931	-2.68865	0.007885	0.227856
	-0.51758	-2.68389	0.007993	0.228955
EXOSC4	0.178365	2.686673	0.00793	0.22839
	-0.30733	-2.68696	0.007923	0.228313
CXCL12;ZNF239;RASGEF1A	-0.18516	-2.68615	0.007942	0.228512
	0.270413	2.682841	0.008017	0.229162
ZNF831	0.351329	2.68898	0.007877	0.227841
	0.235034	2.683784	0.007996	0.228987
	0.370296	2.686998	0.007922	0.228308
	-0.38355	-2.68403	0.00799	0.228955
	0.225177	2.686245	0.00794	0.22851
	-0.33981	-2.68514	0.007965	0.228757
	0.370693	2.684077	0.007989	0.228955
CARD11	0.400778	2.688272	0.007894	0.227997
	0.307685	2.685325	0.007961	0.228682
ARHGEF25	0.137319	2.68569	0.007952	0.228596
	0.396985	2.685501	0.007957	0.228643
TPPP	-0.29363	-2.68729	0.007916	0.228277
NSUN7;ENSG00000249241;CHRNA9	-0.23769	-2.68473	0.007974	0.228889
MGST2;ELMOD2;RNF150;H3F3AP6;SCOC	-0.23268	-2.6861	0.007943	0.228512
	0.19298	2.686022	0.007945	0.228532
	0.266162	2.683049	0.008013	0.229117
	-0.27469	-2.68591	0.007947	0.228562
	-0.33359	-2.68263	0.008022	0.22921
	-0.24184	-2.68591	0.007947	0.228562
	-0.25895	-2.68636	0.007937	0.228489
C1orf174	0.390795	2.684386	0.007982	0.22894
	-0.27676	-2.6853	0.007961	0.228685
	-0.46128	-2.68628	0.007939	0.22851
	0.253246	2.683593	0.008	0.229018
	-0.40031	-2.68611	0.007943	0.228512
	0.227808	2.685558	0.007955	0.228637
	0.285163	2.683283	0.008007	0.229048

	0.350018	2.685332	0.00796	0.228682
ARRB2;P2RX1	-0.29008	-2.68565	0.007953	0.22861
CACNA1I;ATF4	0.184645	2.684288	0.007984	0.228955
DFFB;SKI	0.357872	2.684812	0.007972	0.228865
	0.197022	2.682928	0.008015	0.229162
ZNF57	-0.38735	-2.68389	0.007993	0.228955
UBASH3A;ENSG00000225431;TMPRSS2	-0.21101	-2.68484	0.007972	0.228863
	-0.31987	-2.68496	0.007969	0.228845
IK;CYSTM1;ZMAT2;PCDHGC3;PCDHGA5;PCDHGA6;PCDHAC1;PCDHB18;NRG2;PCDHGB2;PCDHGA2;PCDHGA12;PCDHB1;FCHSD1;NDUFA2;PCDHGA4;TMCO6;PCDHGB7;PCDHB9;PCDHGA11;PCDHB12	-0.39011	-2.68329	0.008007	0.229048
	0.170705	2.68416	0.007987	0.228955
	0.260379	2.685831	0.007949	0.228565
	-0.43881	-2.68603	0.007944	0.228532
	0.268035	2.681899	0.008039	0.229295
	0.207609	2.684535	0.007979	0.22893
AMOTL1;FUT4	-0.26956	-2.68533	0.007961	0.228682
HTRA3;SH3TC1	-0.42041	-2.68635	0.007937	0.228489
ATP6V1D	-0.43724	-2.6828	0.008019	0.229176
FZD4;ENSG00000255471;DLG2;SYTL2	0.399268	2.683879	0.007994	0.228955
	-0.19074	-2.68205	0.008036	0.229295
	-0.30961	-2.68451	0.007979	0.22893
	-0.47199	-2.6839	0.007993	0.228955
DNM1P47	0.304543	2.685806	0.00795	0.228566
	0.397858	2.684502	0.007979	0.22893
ENSG00000235096	-0.22207	-2.68439	0.007982	0.22894
FAM13A-AS1	-0.28682	-2.68392	0.007993	0.228955
	-0.3394	-2.68317	0.00801	0.229086
MYH14;KLK11;ZNF577	0.312847	2.681213	0.008055	0.229393
UNC93B1;GSTP1;ALDH3B1;ALDH3B2;CDK2AP2;ENSG00000255306;PITPNM1;FAM86C2P;CARNS1	-0.41454	-2.68492	0.00797	0.228853
	0.289161	2.682873	0.008017	0.229162
	-0.18415	-2.68612	0.007942	0.228512
	0.408659	2.683272	0.008008	0.229048
	-0.16218	-2.68366	0.007999	0.229018
	0.19141	2.681617	0.008046	0.229336
ENSG00000197015;SSBP3;CYB5RL;LDLRAD1;MROH7	-0.35086	-2.68411	0.007988	0.228955
	-0.26834	-2.68458	0.007978	0.22893
	0.208274	2.679094	0.008104	0.229966
	0.384187	2.684706	0.007975	0.228889
	0.331661	2.682023	0.008036	0.229295
NRN1;FARS2;F13A1	0.316629	2.682603	0.008023	0.229211
FLT1;WASF3;LINC00412;MTIF3	-0.36224	-2.68027	0.008077	0.229721
HCP5;TAPSAR1;TAP1;RPL32P1	-0.2406	-2.67972	0.00809	0.229837

ALDH3B1;UNC93B1;PITPNM1;FAM86C2P;ENSG00000255306; MRGPRF;TPCN2;ENSG00000254610;RAD9A;CDK2AP2;ENSG00 000251637;GSTP1;CHKA;ALG1L8P	-0.5024	-2.6801	0.008081	0.229781
BST2;ENSG00000269640	0.297419	2.685848	0.007949	0.228565
ADAM19;ITK;HAVCR2;ENSG00000253519	0.283375	2.682165	0.008033	0.229295
	-0.26106	-2.68414	0.007988	0.228955
CIRBP;MISP;GAMT	-0.46378	-2.68221	0.008032	0.229295
	0.214231	2.684108	0.007988	0.228955
	-0.2039	-2.68359	0.008	0.229018
	0.335738	2.684546	0.007978	0.22893
PVT1;CCAT1	-0.31863	-2.68343	0.008004	0.22902
	0.226881	2.685399	0.007959	0.228682
	0.29579	2.68411	0.007988	0.228955
MCF2L2;FAM131A	0.301321	2.684068	0.007989	0.228955
	0.233818	2.683382	0.008005	0.229036
RNF213;BAIAP2	-0.50012	-2.68191	0.008039	0.229295
	0.290626	2.682532	0.008025	0.229211
	-0.31599	-2.68395	0.007992	0.228955
	-0.17825	-2.68273	0.00802	0.229203
	0.185697	2.682027	0.008036	0.229295
NUDC;UBXN11;PIGV;HMGN2	0.289158	2.683442	0.008004	0.22902
	0.186247	2.68155	0.008047	0.229336
	-0.2635	-2.6835	0.008002	0.22902
IQCA1	-0.42763	-2.68444	0.007981	0.22894
	0.294039	2.682165	0.008033	0.229295
	0.2308	2.683932	0.007992	0.228955
TAX1BP1;HOXA3;HIBADH;HOXA5;HOXA-AS2	-0.2867	-2.68191	0.008039	0.229295
COX19	0.272328	2.683785	0.007996	0.228987
PLCD3;ENSG00000267121;FMNL1	-0.25958	-2.67486	0.008203	0.230708
ENSG00000187905;TUBA3FP	0.293455	2.679502	0.008095	0.229866
IFNGR1	0.267175	2.680355	0.008075	0.229721
	0.309219	2.683507	0.008002	0.22902
	0.38852	2.682569	0.008024	0.229211
SLC23A1;SNORA74A	-0.29145	-2.6823	0.00803	0.229295
	-0.16568	-2.68368	0.007998	0.229018
	0.249458	2.682094	0.008035	0.229295
CXCL14;TGFBI	-0.33537	-2.68344	0.008004	0.22902
	0.298755	2.680077	0.008081	0.229781
	0.216378	2.678918	0.008108	0.229966
ADSSL1	-0.31391	-2.684	0.007991	0.228955
FASTKD2	-0.24464	-2.6836	0.008	0.229018
RNF6;MTMR6;WASF3	-0.41205	-2.68144	0.00805	0.229336
	0.347992	2.683885	0.007994	0.228955
	-0.22979	-2.68143	0.00805	0.229336
	0.124244	2.679864	0.008086	0.229827
PBLD	-0.40884	-2.68345	0.008004	0.22902
	0.253689	2.681914	0.008039	0.229295

	-0.22774	-2.68219	0.008033	0.229295
ADA;EPPIN;SDC4;SYS1;ZNF335;CD40;TOMM34	0.285548	2.680744	0.008066	0.22959
	0.250026	2.681435	0.00805	0.229336
ENSG00000255334;SDHD	-0.3943	-2.68175	0.008043	0.229315
LCMT2;PATL2	-0.31583	-2.68333	0.008006	0.229048
LCN2;PKN3;ENG	-0.43313	-2.68437	0.007982	0.22894
DLEU2	0.335022	2.683108	0.008011	0.229094
	-0.49326	-2.68438	0.007982	0.22894
CCDC64B	-0.25901	-2.6822	0.008032	0.229295
	-0.48382	-2.67944	0.008096	0.229866
	0.300329	2.680911	0.008062	0.229512
	-0.38341	-2.68149	0.008049	0.229336
	0.148375	2.681823	0.008041	0.229295
	-0.21793	-2.68232	0.008029	0.229295
	0.36637	2.682644	0.008022	0.22921
	-0.22757	-2.68169	0.008044	0.229334
	0.354351	2.681827	0.008041	0.229295
	0.275723	2.682046	0.008036	0.229295
	0.168708	2.681447	0.00805	0.229336
	0.366515	2.680627	0.008069	0.229622
	-0.34976	-2.68085	0.008063	0.229536
	0.240399	2.6807	0.008067	0.22959
	-0.43859	-2.68153	0.008048	0.229336
	-0.66361	-2.68255	0.008024	0.229211
	-0.27162	-2.67952	0.008094	0.229866
IRX3;IRX5;FTO	-0.20567	-2.67834	0.008122	0.230184
USP49;ADCY10P1	0.243017	2.68188	0.00804	0.229295
	0.270515	2.681603	0.008046	0.229336
CAP2;KDM1B	-0.30735	-2.67816	0.008126	0.230202
	0.190312	2.681472	0.008049	0.229336
	0.321401	2.680268	0.008077	0.229721
HCP5	0.175274	2.679922	0.008085	0.229826
	0.257569	2.681072	0.008058	0.229421
KIF21B	-0.31785	-2.68185	0.00804	0.229295
	-0.46596	-2.68114	0.008057	0.229393
UQCC2	-0.24384	-2.6813	0.008053	0.229393
	-0.31499	-2.68357	0.008001	0.229018
BAIAP2;PCYT2;MAFG-AS1;C17orf62;BAIAP2-AS1	-0.3022	-2.67826	0.008123	0.230186
CYCS	0.281006	2.677112	0.00815	0.230296
NUP210;ENSG00000251576;ENSG00000228242	0.342746	2.681149	0.008056	0.229393
CECR7;ENSG00000273203	-0.33611	-2.67958	0.008093	0.229866
RAP1GAP2;SERPINF1	-0.26299	-2.67979	0.008088	0.229827
RB1CC1	0.395618	2.679803	0.008088	0.229827
	-0.25445	-2.68209	0.008035	0.229295
COL4A1;COL4A2	-0.30516	-2.68199	0.008037	0.229295
	0.204719	2.680422	0.008073	0.229719
PEX6;POLR1C;GLTSCR1L	-0.34924	-2.68177	0.008042	0.229314

NYAP1;AP1S1;PCOLCE	-0.51421	-2.68003	0.008082	0.229785
	-0.40857	-2.6819	0.008039	0.229295
CRNDE;IRX3;FTO-IT1;FTO;IRX5;CES1P1;CES1	-0.39121	-2.67831	0.008122	0.230186
	-0.25608	-2.68033	0.008075	0.229721
	0.24431	2.677714	0.008136	0.230279
SLC6A16	0.244684	2.67763	0.008138	0.230279
	0.18426	2.681954	0.008038	0.229295
SH2D2A;SYT11;HDGF;PEAR1;LRRC71	0.283145	2.681224	0.008055	0.229393
	0.252717	2.680172	0.008079	0.229759
CCNA2	-0.15988	-2.67987	0.008086	0.229827
UNC93B1;PITPNM1	0.266014	2.678057	0.008128	0.230202
	-0.17953	-2.67968	0.00809	0.229847
ADAMTS2	-0.32785	-2.68006	0.008082	0.229781
PEAR1;NES;RAB25;SYT11;SMG5;IQGAP3;BCAN;LAMTOR2	-0.26239	-2.67722	0.008148	0.230296
C1QTNF2	0.282162	2.679013	0.008106	0.229966
	-0.18361	-2.67805	0.008128	0.230202
ENSG00000093100;TUBA8;ATP6V1E1;MICAL3	-0.315	-2.68271	0.008021	0.229203
	0.31068	2.681176	0.008056	0.229393
	0.338245	2.677334	0.008145	0.230296
	-0.37843	-2.68146	0.008049	0.229336
	0.192034	2.676983	0.008153	0.230331
	0.254553	2.681219	0.008055	0.229393
	0.245713	2.679352	0.008098	0.229866
	-0.46299	-2.68223	0.008031	0.229295
	0.263565	2.677166	0.008149	0.230296
	0.242282	2.680717	0.008066	0.22959
	0.227655	2.678925	0.008108	0.229966
	0.334051	2.680163	0.008079	0.229759
TPPP;NKD2;PDCD6;TRIP13	0.308331	2.678066	0.008128	0.230202
	0.317522	2.678888	0.008109	0.229966
UBE2C	-0.49538	-2.67488	0.008202	0.230708
ELTD1;IFI44L	0.366748	2.678667	0.008114	0.230042
HIST2H4B	0.231276	2.679056	0.008105	0.229966
	-0.308	-2.6772	0.008148	0.230296
	0.287587	2.68118	0.008056	0.229393
MXRA8;SKI;SSU72	0.168336	2.678472	0.008118	0.23014
CPSF3;KLF11	-0.32973	-2.68027	0.008077	0.229721
	-0.38973	-2.67712	0.00815	0.230296
	0.289298	2.676659	0.008161	0.230387
GMDS;FOXC1	-0.81184	-2.67673	0.008159	0.230387
ENSG00000204581	-0.29171	-2.67883	0.00811	0.229966
	0.160534	2.679369	0.008098	0.229866
	-0.35883	-2.68041	0.008074	0.229719
	0.271354	2.678038	0.008129	0.230202
	-0.3161	-2.67759	0.008139	0.230279
	-0.17704	-2.67614	0.008173	0.230459

	-0.24536	-2.67886	0.008109	0.229966
CD34;CD46;PIGR;C4BPA	0.430446	2.681306	0.008053	0.229393
	-0.32788	-2.67727	0.008147	0.230296
	-0.49966	-2.67931	0.008099	0.229876
	0.21997	2.677775	0.008135	0.230264
	-0.30941	-2.67977	0.008088	0.229827
	-0.25245	-2.67895	0.008107	0.229966
	0.210013	2.679397	0.008097	0.229866
	0.356666	2.679427	0.008096	0.229866
ENSG00000261269	0.235002	2.676583	0.008162	0.230387
	-0.31169	-2.67919	0.008102	0.229926
	0.287696	2.675022	0.008199	0.230671
ARHGEF1;CD79A	0.315137	2.679758	0.008089	0.229827
	0.127861	2.674886	0.008202	0.230708
	0.294348	2.678831	0.00811	0.229966
	-0.3102	-2.67938	0.008097	0.229866
	-0.38708	-2.67976	0.008089	0.229827
PFKFB2	-0.49656	-2.6805	0.008072	0.229693
	0.266724	2.677327	0.008145	0.230296
ARHGEF25;ENSG00000224713;LRP1;TSPAN31;PTGES3	-0.25569	-2.67657	0.008163	0.230387
	-0.25635	-2.68031	0.008076	0.229721
	-0.34312	-2.67661	0.008162	0.230387
	0.170841	2.678343	0.008121	0.230184
GPR180;SOX21-AS1	-0.3444	-2.67851	0.008118	0.230133
ENSG00000244625	-0.34139	-2.67803	0.008129	0.230202
SLC9C2	0.400912	2.679488	0.008095	0.229866
	0.277926	2.678436	0.008119	0.230149
	-0.35077	-2.6781	0.008127	0.230202
	0.254867	2.677521	0.008141	0.230296
	0.218193	2.678864	0.008109	0.229966
LRRC59;ANKRD40;COL1A1;SGCA;LUC7L3;CACNA1G	0.239054	2.67414	0.00822	0.230822
	0.291947	2.679469	0.008095	0.229866
	-0.48877	-2.67594	0.008178	0.230505
	0.238765	2.679372	0.008098	0.229866
SHC2;ARID3A;PPAP2C;SBNO2	0.434401	2.67724	0.008147	0.230296
IFFO1;CLSTN3;SCNN1A;VWF;CD27;C1R;LRRC23;ANO2;RBP5;C1				
RL-AS1;ENSG00000257084	-0.29853	-2.67745	0.008142	0.230296
	-0.34419	-2.67957	0.008093	0.229866
PIGU;DYNLRB1	-0.27368	-2.67791	0.008132	0.230264
	-0.20166	-2.67785	0.008133	0.230264
HLA-F;HLA-E;HCG14	0.285065	2.67995	0.008084	0.229824
COA1;SPDYE1	0.220358	2.679265	0.0081	0.229892
BAIAP2;CCDC40;PCYT2;LRRC45;MAFG-AS1;BAIAP2-AS1	-0.30839	-2.67593	0.008178	0.230505
ENSG00000245750;ENSG00000259641;CALML4;PAQR5;CORO				
2B;ITGA11	-0.3824	-2.67647	0.008165	0.230419
HSD17B2;GAN	0.493329	2.675754	0.008182	0.230537
CCR5;CSPG5	-0.37724	-2.67621	0.008171	0.230455

C12orf68;SLC48A1	0.233607	2.677792	0.008134	0.230264
FRMD4A;FAM107B;ACBD7;MEIG1;ITGA8;RPP38	-0.32079	-2.67415	0.008219	0.230822
CERK	0.237581	2.678832	0.00811	0.229966
B3GNT7	0.330239	2.674321	0.008215	0.230807
ENSG00000259225	-0.50836	-2.67464	0.008208	0.230763
OSR1	0.417647	2.676829	0.008157	0.230339
	0.300163	2.677487	0.008141	0.230296
POM121C;STYXL1	-0.30298	-2.6776	0.008139	0.230279
RNF166	-0.26764	-2.67879	0.008111	0.22998
	-0.35855	-2.67736	0.008144	0.230296
	0.252132	2.675691	0.008183	0.230537
	-0.31211	-2.6769	0.008155	0.230331
	-0.26526	-2.67577	0.008181	0.230537
	-0.33971	-2.67884	0.00811	0.229966
COX17	0.223907	2.677215	0.008148	0.230296
	0.141256	2.675179	0.008195	0.230637
PEX6	-0.29231	-2.67808	0.008128	0.230202
	0.304193	2.676413	0.008166	0.230419
	-0.23219	-2.6727	0.008254	0.231057
PSMG3;PRKAR1B;SUN1	-0.29859	-2.6776	0.008139	0.230279
HSPBAP1;PARP15	0.318376	2.677301	0.008146	0.230296
	-0.29936	-2.6736	0.008232	0.230965
	-0.39356	-2.67636	0.008168	0.230419
	0.20587	2.674086	0.008221	0.230827
HEBP2;ABRACL;PERP;NHSL1	-0.43077	-2.67637	0.008167	0.230419
	0.240706	2.678265	0.008123	0.230186
	0.284884	2.678061	0.008128	0.230202
	0.322217	2.677174	0.008149	0.230296
	0.214159	2.677256	0.008147	0.230296
	0.309284	2.677805	0.008134	0.230264
	0.304897	2.676048	0.008175	0.230481
NME4;TMEM8A;SOX8	-0.36653	-2.67639	0.008167	0.230419
	0.264919	2.677826	0.008134	0.230264
	-0.3208	-2.67695	0.008154	0.230331
	-0.37621	-2.67255	0.008257	0.231057
	0.248604	2.676279	0.00817	0.230428
	-0.35898	-2.67789	0.008132	0.230264
GSTO1	-0.18147	-2.67543	0.008189	0.230537
	-0.19207	-2.67614	0.008173	0.230459
	0.285684	2.676549	0.008163	0.230387
	-0.30573	-2.67562	0.008185	0.230537
CLIP2;ENSG00000232415;WBSCR22;ABHD11;LINC00035;WBSCR27;CLDN3;POM121;SBDSP1	-0.25198	-2.67708	0.008151	0.230296
ENSG00000260337;ENSG00000258676;FAM174B;LINC00930;ENSG00000271763	0.423697	2.674452	0.008212	0.230786
	0.272667	2.676608	0.008162	0.230387
	-0.69331	-2.67087	0.008297	0.231345

SFMBT2;PRKCQ	-0.39517	-2.67197	0.008271	0.231136
	-0.2421	-2.67556	0.008187	0.230537
	0.236441	2.675689	0.008183	0.230537
	0.162347	2.676308	0.008169	0.230424
	0.254326	2.676887	0.008155	0.230331
	0.310853	2.675502	0.008188	0.230537
	0.239808	2.676645	0.008161	0.230387
	-0.22289	-2.67457	0.00821	0.230786
	-0.32837	-2.67685	0.008156	0.230339
	-0.43579	-2.67565	0.008184	0.230537
	-0.26338	-2.6754	0.00819	0.230537
	-0.32415	-2.67504	0.008199	0.230671
	0.225287	2.67709	0.008151	0.230296
	-0.35864	-2.67761	0.008139	0.230279
	0.29313	2.675137	0.008196	0.230649
	0.133701	2.670105	0.008315	0.231638
	0.169106	2.677108	0.00815	0.230296
DCTPP1	0.197243	2.673191	0.008242	0.231057
	0.396616	2.676679	0.00816	0.230387
	-0.32351	-2.67551	0.008188	0.230537
	-0.23338	-2.67744	0.008143	0.230296
	0.276529	2.676083	0.008174	0.230481
PSMA3	-0.28961	-2.67602	0.008176	0.230481
	0.250137	2.674101	0.008221	0.230827
	0.371036	2.675724	0.008183	0.230537
	0.317921	2.674814	0.008204	0.230725
	-0.43682	-2.67245	0.00826	0.231057
	-0.19806	-2.67392	0.008225	0.23089
ITGAL;BCKDK;SRCAP;ITGAX	0.313955	2.675589	0.008186	0.230537
ARHGEF10;ERICH1	-0.39852	-2.67759	0.008139	0.230279
	0.374963	2.671557	0.008281	0.231243
	0.234821	2.676936	0.008154	0.230331
	0.333622	2.671164	0.00829	0.231342
CES3;RLTPR	-0.39683	-2.67353	0.008234	0.230979
JAM3;ENSG00000255545	-0.40314	-2.67617	0.008172	0.230459
	-0.22851	-2.67285	0.00825	0.231057
	-0.37774	-2.67272	0.008253	0.231057
METTL16;ENSG00000263050;ENSG00000262777	-0.25118	-2.67544	0.008189	0.230537
	0.333721	2.673239	0.008241	0.231057
TTLL1;PMM1;L3MBTL2;MCAT	-0.26682	-2.67415	0.00822	0.230822
	-0.26932	-2.67423	0.008218	0.23081
CACNA2D4	-0.23738	-2.66935	0.008333	0.23168
	0.341114	2.673156	0.008243	0.231057
	-0.28345	-2.67601	0.008176	0.230481
	-0.28893	-2.67091	0.008296	0.231345
	-0.30022	-2.67389	0.008226	0.230894

EFCAB6;TTLL12;EFCAB6-AS1;PHF21B;TTLL1;PACSIN2;MPPED1	-0.29726	-2.67037	0.008309	0.231556
	0.334069	2.675615	0.008185	0.230537
	0.291147	2.673659	0.008231	0.230965
	0.196589	2.672971	0.008247	0.231057
	0.215399	2.675467	0.008189	0.230537
	0.361559	2.673371	0.008238	0.231011
	0.281795	2.67445	0.008212	0.230786
DGKE;MSI2	0.437319	2.676899	0.008155	0.230331
	-0.3062	-2.6756	0.008185	0.230537
SARDH;ADAMTSL2;SLC2A6;GBGT1;GTF3C5;SURF2	-0.29815	-2.67304	0.008246	0.231057
C3orf52;SLC9C1;ENSG00000261488;GCSAM;PHLDB2;TMPRSS7				
;GTPBP8;ENSG00000239482;CD200;ABHD10	-0.48228	-2.67363	0.008232	0.230965
	0.211912	2.673614	0.008232	0.230965
	-0.38614	-2.67445	0.008213	0.230786
	0.248734	2.672995	0.008247	0.231057
	-0.28392	-2.67633	0.008168	0.230423
	0.398858	2.67543	0.008189	0.230537
	0.35062	2.674654	0.008208	0.230763
	0.276953	2.673005	0.008246	0.231057
	-0.31027	-2.67263	0.008255	0.231057
	0.319249	2.675509	0.008188	0.230537
	-0.24799	-2.67565	0.008184	0.230537
PHACTR1	0.228281	2.674558	0.00821	0.230786
	0.240081	2.673399	0.008237	0.231011
KLHL8;MAPK10;C4orf36;ABCG2;NUDT9	-0.41648	-2.67153	0.008281	0.231243
	-0.21232	-2.66995	0.008319	0.231654
	-0.20783	-2.67476	0.008205	0.230746
OTUD4;TTC29	-0.36005	-2.67131	0.008287	0.231321
	-0.22206	-2.67266	0.008255	0.231057
BTN3A1;BTN3A3;ZNF391;BTN2A2	-0.36073	-2.6747	0.008207	0.230761
	0.22606	2.671287	0.008287	0.231321
FUT6;FUT3;PTPRS;RFX2	-0.3499	-2.67427	0.008217	0.23081
	-0.38909	-2.6728	0.008251	0.231057
	0.273446	2.672653	0.008255	0.231057
ARID4A	0.269097	2.674	0.008223	0.230869
	-0.27403	-2.67351	0.008235	0.230981
	0.312102	2.676373	0.008167	0.230419
	0.307463	2.674691	0.008207	0.230761
	0.297614	2.672527	0.008258	0.231057
CGN;RORC;CTSK;RIIAD1;BNIPL;GOLPH3L;ENSG00000269621;LI				
NGO4;SELENBP1;CTSS;HRNR	-0.30916	-2.66797	0.008366	0.231833
	0.254802	2.668832	0.008345	0.23178
	0.227511	2.674227	0.008218	0.23081
	0.248529	2.675268	0.008193	0.230608
	0.228618	2.672345	0.008262	0.231057
RPA3;ICA1	0.346895	2.669488	0.00833	0.23168

	0.131669	2.672343	0.008262	0.231057
ARHGEF15;BCL6B;MPDU1;NLGN2	0.355048	2.67123	0.008288	0.231321
	0.244873	2.675418	0.00819	0.230537
	0.356342	2.672424	0.00826	0.231057
MAPK15;FAM83H-AS1;RHPN1-AS1;BAI1;RHPN1;LY6H;ENSG00000254973;TOP1MT;PYCRL;ZNF623	-0.33144	-2.67249	0.008259	0.231057
	-0.25267	-2.67339	0.008237	0.231011
	0.305773	2.672361	0.008262	0.231057
PRR15	0.344481	2.67198	0.008271	0.231136
	-0.28449	-2.67239	0.008261	0.231057
MISP	-0.2059	-2.67378	0.008228	0.230926
	0.296857	2.671253	0.008288	0.231321
	-0.24125	-2.67148	0.008283	0.231258
	0.344196	2.674518	0.008211	0.230786
COPS6	-0.24974	-2.6749	0.008202	0.230708
	-0.26352	-2.67507	0.008198	0.230671
NARF;C17orf62;CD7	-0.34627	-2.67198	0.008271	0.231136
	0.24118	2.673578	0.008233	0.230965
	-0.51185	-2.67522	0.008194	0.230628
	0.337276	2.674452	0.008212	0.230786
ADAM8;INPP5A	-0.32971	-2.67301	0.008246	0.231057
	0.298205	2.67174	0.008276	0.231181
	0.332204	2.673472	0.008235	0.23099
IGLC3;IGLV3-1	0.400625	2.673604	0.008232	0.230965
KEL;ARHGEF34P;ARHGEF5;TPK1;OR2A1-AS1;TRBC2;FAM115C	-0.41683	-2.6727	0.008254	0.231057
IGFBP4;PLXDC1;LINC00672;PCGF2;MED24;TNS4;CCR7;STARD3;ENSG00000266208;MIEN1;LRRC37A11P;NEUROD2;TOP2A;RAPGEFL1	-0.36753	-2.66883	0.008345	0.23178
ALDH3A1;TRIM16L;TVP23B;PRPSAP2	-0.19704	-2.67256	0.008257	0.231057
	0.271261	2.673321	0.008239	0.231028
NARF;AATK;SLC16A3;HGS;SIRT7;CSNK1D	-0.30595	-2.6721	0.008268	0.231136
	0.551501	2.672757	0.008252	0.231057
	0.344027	2.665253	0.008431	0.232541
ENSG00000231720	0.328646	2.672672	0.008254	0.231057
IQCE;PSMG3-AS1	-0.38132	-2.67055	0.008304	0.231466
ENSG00000258699	-0.28721	-2.672	0.00827	0.231136
	0.138112	2.673793	0.008228	0.230926
	-0.27784	-2.67434	0.008215	0.230807
	-0.25903	-2.67146	0.008283	0.231258
ZNF469;GALNS	0.265469	2.670587	0.008304	0.231466
	-0.31719	-2.67377	0.008228	0.230926
	-0.22873	-2.67501	0.008199	0.230671
	0.269313	2.672301	0.008263	0.231057
	-0.22226	-2.67244	0.00826	0.231057
SSU72	0.229348	2.674377	0.008214	0.230802

	0.314797	2.674408	0.008213	0.230796
	-0.23259	-2.67233	0.008262	0.231057
RPS6KA1;CEP85;TRNP1;PAFAH2;C1orf172;CD164L2;MAN1C1;P				
DIK1L;FAM110D;NUDC;PIGV;WDTC1;CNKSR1;UBXN11	-0.28204	-2.672	0.00827	0.231136
	0.261581	2.672813	0.008251	0.231057
	0.171359	2.673958	0.008224	0.230881
	-0.40824	-2.67315	0.008243	0.231057
	0.282598	2.671007	0.008294	0.231345
CPNE5;TBC1D22B;FGD2	0.287748	2.66698	0.00839	0.232055
ENSG00000221817	-0.18525	-2.67057	0.008304	0.231466
	0.245223	2.672762	0.008252	0.231057
	0.397937	2.673176	0.008242	0.231057
	0.311632	2.671828	0.008274	0.23118
HERC1;TPM1	0.1745	2.669228	0.008336	0.23171
	-0.25989	-2.66791	0.008367	0.231833
PFDN6	0.337655	2.674299	0.008216	0.230807
	0.370867	2.672293	0.008263	0.231057
	0.29924	2.671319	0.008286	0.231321
	-0.165	-2.66769	0.008373	0.231849
	0.229247	2.666942	0.008391	0.232065
DYNC2LI1;THADA	-0.27929	-2.67238	0.008261	0.231057
TSPAN4;PSMD13;TMEM80	-0.34082	-2.67252	0.008258	0.231057
	0.340652	2.671113	0.008291	0.231345
	0.309569	2.671085	0.008292	0.231345
	-0.34529	-2.67108	0.008292	0.231345
ARID5A;CIAO1	0.441412	2.668588	0.008351	0.231817
	0.287964	2.672014	0.00827	0.231136
	-0.24602	-2.6709	0.008296	0.231345
HK2;LOXL3;TACR1;ALMS1;WDR54;MOGS;TET3;TTC31;POLE4;C				
2orf81	0.189714	2.672327	0.008262	0.231057
KIAA0895;ELMO1	-0.27796	-2.67006	0.008316	0.231638
RASIP1;PRR12;TEAD2;HRC;RPS11;PNKP;HSD17B14	0.291723	2.670134	0.008314	0.231638
	-0.29775	-2.67203	0.008269	0.231136
LIMS2;MYO7B;GPR17;ERCC3	-0.41154	-2.67177	0.008276	0.23118
	0.167531	2.671267	0.008288	0.231321
ENSG00000260432;GRIN2A	-0.51332	-2.67297	0.008247	0.231057
HSPG2;HP1BP3;LDLRAD2;EIF4G3;CDC42	0.27574	2.671592	0.00828	0.231243
	0.285086	2.668291	0.008358	0.231833
	0.243783	2.67285	0.00825	0.231057
	-0.24224	-2.67115	0.00829	0.231342
	0.22257	2.670884	0.008297	0.231345
	0.297038	2.669065	0.00834	0.231758
NT5C3A	-0.36823	-2.66659	0.008399	0.232178
	0.297982	2.672978	0.008247	0.231057
	-0.78483	-2.67094	0.008295	0.231345
	0.267279	2.669886	0.00832	0.231654

	-0.36664	-2.66988	0.00832	0.231654
HEBP1;BCL2L14;LRP6;C12orf36;LOH12CR1	-0.3462	-2.6697	0.008325	0.23168
GMFG;MAP4K1;RINL;RASGRP4;PLEKHG2;ENSG00000183760	0.281445	2.671554	0.008281	0.231243
ADARB1;TRAPPC10;COL18A1-AS1;COL18A1;ICOSLG;ENSG00000267857;LRRC3;COL18A1-AS2;ENSG00000268805;LRRC3DN	-0.35865	-2.66609	0.008411	0.232327
	0.336256	2.669776	0.008323	0.231659
	0.34525	2.671858	0.008274	0.23118
	0.429279	2.668905	0.008344	0.23178
	0.326735	2.668111	0.008363	0.231833
KIF9;KIF9-AS1;DHX30;NME6	-0.40411	-2.66976	0.008323	0.231659
	-0.39719	-2.66932	0.008334	0.23168
ENSG00000247373;TMED2	0.270735	2.672433	0.00826	0.231057
	0.21628	2.666885	0.008392	0.232088
IQCE;GNA12	0.497608	2.667942	0.008367	0.231833
SPIDR	-0.2487	-2.67157	0.00828	0.231243
CYCS	0.261522	2.66831	0.008358	0.231833
FERMT3;NRXN2;CDC42BPG;CCDC88B;BATF2	-0.43196	-2.67178	0.008275	0.23118
	0.190906	2.670032	0.008317	0.231638
	-0.4783	-2.66625	0.008407	0.232251
	0.179318	2.670259	0.008311	0.231616
	0.23289	2.667745	0.008371	0.231833
	-0.22007	-2.66748	0.008378	0.231907
	0.208359	2.671786	0.008275	0.23118
ARHGEF10	-0.32084	-2.66519	0.008432	0.232563
C10orf128;VSTM4;FRMPD2;ENSG00000232462;ARHGAP22;PTPN20CP;WDFY4	0.347351	2.669477	0.00833	0.23168
	-0.23035	-2.66917	0.008337	0.231732
S100A2	-0.22972	-2.66898	0.008342	0.23178
SLC37A1;PDE9A;ICOSLG;CBS	-0.26732	-2.67072	0.008301	0.231403
KLHL2;ENSG00000248771;MSMO1	-0.33796	-2.66779	0.00837	0.231833
	-0.28286	-2.6678	0.00837	0.231833
	-0.26136	-2.67078	0.008299	0.231378
CDC42BPA	0.242935	2.667549	0.008376	0.231884
CYB561D1	-0.19086	-2.67198	0.008271	0.231136
	-0.26846	-2.66883	0.008345	0.23178
LPCAT1	-0.33891	-2.66959	0.008327	0.23168
MICB;TRIM39	-0.58877	-2.66944	0.008331	0.23168
	0.572009	2.671763	0.008276	0.23118
	0.348647	2.670958	0.008295	0.231345
	-0.42553	-2.66937	0.008333	0.23168
	0.347788	2.668843	0.008345	0.23178
	0.286609	2.66912	0.008338	0.231749
	-0.21932	-2.66957	0.008328	0.23168
	0.214343	2.666656	0.008397	0.232149
	-0.16923	-2.66574	0.008419	0.232469

	0.21164	2.668403	0.008356	0.231833
	0.200117	2.663481	0.008474	0.232983
	0.376523	2.668493	0.008353	0.231833
CYP2S1	0.48319	2.668378	0.008356	0.231833
	0.234746	2.668122	0.008362	0.231833
MUC5AC	-0.29831	-2.66833	0.008357	0.231833
	-0.28447	-2.67002	0.008317	0.231638
OR2I1P;HLA-F	-0.40003	-2.66984	0.008321	0.231659
	0.248422	2.667079	0.008387	0.23202
	-0.25455	-2.66646	0.008402	0.232196
TRPV2	-0.25757	-2.66966	0.008326	0.23168
	0.336222	2.668714	0.008348	0.231784
FUOM	-0.26542	-2.67012	0.008315	0.231638
	0.144936	2.667556	0.008376	0.231884
SLC2A10	-0.36261	-2.6709	0.008296	0.231345
BDH1;TCTEX1D2;RNF168	-0.43659	-2.67097	0.008294	0.231345
	-0.24948	-2.66675	0.008395	0.232117
MAD1L1;CYP2W1;HEATR2	-0.25628	-2.66607	0.008411	0.232327
	0.244193	2.669913	0.00832	0.231654
XRCC1;PINLYP;SMG9;LYPD3;PLAUR;ZNF227	-0.35527	-2.66705	0.008388	0.232024
	-0.28327	-2.67081	0.008298	0.231376
	0.213795	2.669525	0.008329	0.23168
	-0.27501	-2.66876	0.008347	0.231784
	0.298224	2.666428	0.008403	0.232196
	-0.34196	-2.67023	0.008312	0.231618
	-0.21028	-2.66788	0.008368	0.231833
	-0.46008	-2.66871	0.008348	0.231784
	-0.31248	-2.66943	0.008331	0.23168
	-0.33668	-2.66932	0.008334	0.23168
	-0.33968	-2.66933	0.008333	0.23168
	0.233984	2.668639	0.00835	0.231813
MT1F;CES1;GNAO1;CES1P1	0.300028	2.669767	0.008323	0.231659
	0.14996	2.669499	0.008329	0.23168
	0.275997	2.661194	0.008529	0.233342
	0.250831	2.670022	0.008317	0.231638
	0.605642	2.667554	0.008376	0.231884
	0.379102	2.666329	0.008405	0.232223
WLS	-0.35536	-2.66837	0.008356	0.231833
	0.244007	2.669409	0.008332	0.23168
SPAG8;FAM166B;NPR2;GLIPR2;HINT2;FANCG;PIGO;CLTA;FAM2				
21B;TESK1;TPM2;DNAJB5;TLN1	-0.35944	-2.66419	0.008457	0.23281
	-0.35495	-2.66814	0.008362	0.231833
	0.382966	2.669882	0.00832	0.231654
GAS6;TMEM255B;TMCO3;TFDP1	0.348802	2.668543	0.008352	0.231832
	0.231499	2.670495	0.008306	0.23149
	0.316038	2.668347	0.008357	0.231833
FLT4;ADAMTS2;CNOT6	-0.359	-2.66806	0.008364	0.231833

	0.239102	2.664529	0.008448	0.232715
CERK;WNT7B;ENSG00000234869;FBLN1;CELSR1	-0.27465	-2.66783	0.008369	0.231833
	-0.18813	-2.66678	0.008394	0.232117
	0.302518	2.667351	0.008381	0.231974
ZNF638	0.268865	2.669804	0.008322	0.231659
	-0.27794	-2.66879	0.008346	0.231784
	-0.31199	-2.66652	0.008401	0.232191
	-0.28591	-2.66788	0.008368	0.231833
	0.408741	2.667288	0.008382	0.231986
THEM4;ENSA;BNIPL;POGZ;PSMB4	-0.21029	-2.67003	0.008317	0.231638
	0.366577	2.668011	0.008365	0.231833
	0.301921	2.66924	0.008336	0.23171
PTPRN2	0.237142	2.666318	0.008405	0.232223
	0.281969	2.667753	0.008371	0.231833
	-0.2161	-2.6689	0.008344	0.23178
	-0.39204	-2.66558	0.008423	0.232533
ELOVL5;GCLC;TRAM2;EFHC1;GSTA1;TMEM14A;PAQR8	-0.48803	-2.6658	0.008418	0.232445
	0.290818	2.667962	0.008366	0.231833
	-0.33719	-2.66952	0.008329	0.23168
	0.136286	2.667962	0.008366	0.231833
ZNRF2	-0.2451	-2.66963	0.008326	0.23168
	0.130082	2.665132	0.008434	0.232574
	0.152675	2.668932	0.008343	0.23178
	0.262084	2.667295	0.008382	0.231986
TMEM204;HN1L	0.272555	2.667966	0.008366	0.231833
HLA-B;HLA-DPB1;HLA-DOA;HLA-C;TAP1;HCP5	-0.23537	-2.66708	0.008387	0.23202
	0.278443	2.667895	0.008368	0.231833
ZNF366;ARHGEF28;ENSG00000261269	0.40748	2.669101	0.008339	0.231749
	0.33001	2.66884	0.008345	0.23178
	0.172105	2.667886	0.008368	0.231833
	-0.27249	-2.66638	0.008404	0.232214
	0.261175	2.665156	0.008433	0.232573
SCUBE1;NUP50;ENSG00000226328;PARVB	-0.34663	-2.66669	0.008397	0.232142
	-0.31964	-2.66873	0.008348	0.231784
ZBTB12	0.280878	2.665482	0.008426	0.232539
NR5A2	0.303151	2.666544	0.0084	0.232191
SLC5A4	0.294628	2.662263	0.008503	0.233131
PDZD2;CDH6;GOLPH3;TPT1P5	-0.38745	-2.66534	0.008429	0.232539
	0.307949	2.665345	0.008429	0.232539
ITGAE;ASPA;P2RX5;GSG2	-0.32224	-2.6686	0.008351	0.231817
	0.220843	2.665381	0.008428	0.232539
	-0.16978	-2.66686	0.008393	0.232092
	-0.19871	-2.66717	0.008385	0.23202
	0.27034	2.668263	0.008359	0.231833
	-0.30668	-2.6651	0.008435	0.232577
	0.264659	2.663001	0.008485	0.232983
SAMD11;LINC01128	0.206996	2.66711	0.008387	0.23202

	-0.36662	-2.66775	0.008371	0.231833
ARHGEF25;METTL21B	-0.22047	-2.6647	0.008444	0.232698
NBL1;KLHDC7A	0.306118	2.665583	0.008423	0.232533
	-0.32996	-2.66795	0.008366	0.231833
ADD2;ANXA4	0.320992	2.667891	0.008368	0.231833
PLA2G4C;EHD2	-0.36715	-2.66388	0.008464	0.232868
EMR2;BRD4;TECR	0.37662	2.663335	0.008477	0.232983
	-0.19726	-2.66494	0.008439	0.232628
FAM174B;ENSG00000260337;ENSG00000258676	-0.36907	-2.66507	0.008436	0.232577
FBLN1;ENSG00000226328;NUP50;ENSG00000238120;LDOC1L	-0.27677	-2.66604	0.008412	0.232335
TRIP13;NKD2;LPCAT1;ENSG00000188002;TPPP;ZDHHC11;MRP L36	-0.33441	-2.6635	0.008473	0.232983
	0.286824	2.66845	0.008354	0.231833
SDK2	-0.2618	-2.66381	0.008466	0.232868
	0.237873	2.66831	0.008358	0.231833
ROR1;EFCAB7	0.320051	2.666762	0.008395	0.232117
	0.303355	2.667533	0.008376	0.231884
	-0.21794	-2.66273	0.008492	0.233018
MKI67;ENSG00000227076	-0.32688	-2.66157	0.00852	0.233295
DAP3;SLC50A1	0.345739	2.666435	0.008403	0.232196
	0.295546	2.667224	0.008384	0.232014
PYGM;NRXN2;CD248;LTBP3;ENSG00000254510;EFEMP2;TM7S F2;BANF1;DPP3;PPP2R5B;YIF1A;PELI3;MRPL49;MAP3K11	-0.3211	-2.66506	0.008436	0.232577
FKBP10;MED24;IGFBP4;ACLY;TTC25	0.371454	2.66482	0.008441	0.232691
SLC7A5	0.21516	2.663822	0.008466	0.232868
FAM83H;MROH6;FAM83H-AS1	-0.72318	-2.66768	0.008373	0.231849
PDE6B	-0.24043	-2.6665	0.008401	0.232191
	0.19425	2.664128	0.008458	0.232821
TSPAN32;C11orf21	-0.22713	-2.66417	0.008457	0.23281
	0.232236	2.668042	0.008364	0.231833
	-0.27434	-2.66055	0.008545	0.233377
PLEKHA7;TMEM86A	-0.61879	-2.66427	0.008455	0.232801
	-0.18184	-2.66318	0.008481	0.232983
WBSCR22;ABHD11;ELN;CLDN4;ENSG00000233369;CLIP2	-0.29867	-2.66431	0.008454	0.232787
	0.206036	2.667193	0.008385	0.232019
	0.128015	2.663047	0.008484	0.232983
	0.230309	2.66136	0.008525	0.233328
	0.250729	2.66162	0.008519	0.233289
	0.130907	2.664698	0.008444	0.232698
	0.320115	2.665363	0.008428	0.232539
	-0.18385	-2.66534	0.008429	0.232539
ANTXRLP1;SYT15;PTPN20A;ENSG00000231187	0.220854	2.662009	0.008509	0.233162
	-0.32034	-2.66531	0.00843	0.232539
TRAF1	-0.48195	-2.66395	0.008462	0.232868
PLCG2	0.255491	2.665316	0.00843	0.232539

GRASP;ACVRL1;TENC1;ITGB7;KRT7;KRT80;KRT18	-0.32895	-2.66386	0.008465	0.232868
WDR19;UGDH;SMIM14	-0.41135	-2.66443	0.008451	0.232737
	-0.31967	-2.66712	0.008386	0.23202
TBC1D10C;ENSG00000255306;RBM14;ALDH3B1;FAM86C2P	0.384226	2.665918	0.008415	0.232398
CCDC19;IFI16;ENSG00000225670;CADM3;DARC;PEA15;ATP1A2;VANGL2;AIM2	-0.4446	-2.66228	0.008503	0.233131
	0.272861	2.662171	0.008505	0.233162
FKBP4;TULP3;CACNA1C;PRMT8;TEAD4	0.251598	2.662002	0.00851	0.233162
	0.287712	2.66386	0.008465	0.232868
TRNP1;SFN;FGR;AIM1L;CEP85	-0.49918	-2.66425	0.008455	0.232801
GALNS	-1.04438	-2.66417	0.008457	0.23281
NOS2;LYRM9;SLC46A1	-0.45912	-2.66525	0.008431	0.232541
HN1	-0.19151	-2.66617	0.008409	0.232289
	0.412115	2.661785	0.008515	0.23327
	-0.19318	-2.66454	0.008448	0.232715
	0.397951	2.663313	0.008478	0.232983
NUDT5;CCDC3;USP6NL;CAMK1D	-0.40983	-2.66293	0.008487	0.232983
	0.180177	2.661678	0.008517	0.233289
ADAMTSL5;MUM1	0.205416	2.663719	0.008468	0.232912
CCDC89	-0.26272	-2.66475	0.008443	0.232697
	-0.39997	-2.6644	0.008451	0.232742
	-0.36489	-2.66252	0.008497	0.233062
UNC13B;GLIPR2;STOML2;RMRP	0.222957	2.665523	0.008425	0.232539
	0.301104	2.663336	0.008477	0.232983
	0.373634	2.665862	0.008416	0.23242
OLFM1	-0.34135	-2.66572	0.00842	0.232471
	0.344409	2.665432	0.008427	0.232539
	0.307598	2.664614	0.008446	0.232709
	-0.23419	-2.66394	0.008463	0.232868
COBL;GRB10	-0.33723	-2.66047	0.008547	0.233386
ENSG00000236295	0.248624	2.663925	0.008463	0.232868
ECHS1	0.288201	2.662072	0.008508	0.233162
CCDC34	-0.47876	-2.66294	0.008487	0.232983
	-0.35813	-2.66461	0.008446	0.232709
	0.396133	2.662301	0.008502	0.233131
	0.321973	2.665007	0.008437	0.232597
	0.272011	2.664774	0.008443	0.232697
	0.335938	2.663637	0.00847	0.232952
TIMP2;CBX2;C1QTNF1;CBX8;CANT1	0.280534	2.659853	0.008562	0.233556
	0.26045	2.663092	0.008483	0.232983
	-0.16491	-2.6623	0.008502	0.233131
	0.277203	2.662465	0.008498	0.233087
	0.315652	2.663045	0.008484	0.232983
RPL27	-0.25305	-2.66311	0.008483	0.232983
	0.265108	2.664507	0.008449	0.232715
ENSG00000251455	0.271314	2.665307	0.00843	0.232539

	0.175794	2.663434	0.008475	0.232983
	0.258821	2.662601	0.008495	0.233041
	0.342933	2.662847	0.008489	0.232983
	-0.47014	-2.66361	0.008471	0.232957
	0.195834	2.663349	0.008477	0.232983
	0.211524	2.662673	0.008493	0.233027
	0.223699	2.659312	0.008575	0.233611
	0.185969	2.660465	0.008547	0.233386
BCL2;SERPINB2;SERPINB3	0.336615	2.665299	0.00843	0.232539
	-0.20735	-2.66021	0.008553	0.233463
	0.360704	2.664504	0.008449	0.232715
	0.295277	2.662938	0.008487	0.232983
	-0.1975	-2.66165	0.008518	0.233289
	0.262625	2.660585	0.008544	0.233374
ENSG00000231063	-0.30319	-2.66291	0.008488	0.232983
HEATR2	0.349909	2.662786	0.008491	0.233008
	-0.26868	-2.66346	0.008474	0.232983
	0.266224	2.662935	0.008487	0.232983
AFAP1L2	0.25042	2.66114	0.008531	0.233342
	0.434436	2.66449	0.008449	0.232715
	0.350057	2.661364	0.008525	0.233328
	0.231358	2.663894	0.008464	0.232868
ABCA10;ABCA6;ENSG00000267361;ABCA8	0.269994	2.662614	0.008495	0.233041
	0.245356	2.663505	0.008473	0.232983
	-0.42742	-2.6619	0.008512	0.233207
	0.277155	2.662668	0.008493	0.233027
	-0.28361	-2.66323	0.00848	0.232983
HHAT	0.292195	2.662035	0.008509	0.233162
	-0.19928	-2.66014	0.008555	0.233463
	-0.31551	-2.65884	0.008587	0.233611
	-0.13734	-2.66119	0.008529	0.233342
PRPH	-0.24887	-2.66082	0.008538	0.233342
MATN2	-0.37582	-2.66474	0.008443	0.232697
	-0.29932	-2.65934	0.008574	0.233611
	-0.38071	-2.66214	0.008506	0.233162
	0.193993	2.661663	0.008518	0.233289
NAP1L4;MRPL23;TSPAN32;CARS	-0.42985	-2.66325	0.008479	0.232983
ATP6V0A1;COASY;FKBP10;STAT5B;PTRF;KRT23;ENSG00000267				
758;ACLY	0.217645	2.660377	0.008549	0.233399
C6orf47;HLA-C;HLA-B;PPP1R18	0.157081	2.660985	0.008534	0.233342
RUNX3	0.396811	2.664048	0.00846	0.232859
FERMT3;MAP4K2;RASGRP2;CCDC88B	-0.27302	-2.66467	0.008445	0.232698
SLIRP	-0.37318	-2.66079	0.008539	0.233342
	0.322747	2.661631	0.008519	0.233289
	-0.17734	-2.66101	0.008534	0.233342
	-0.41526	-2.66322	0.00848	0.232983
	0.189977	2.663062	0.008484	0.232983

	0.284156	2.663206	0.00848	0.232983
ZNF618;BSPRY;RNF183;FKBP15;SLC31A1;HDHD3;COL27A1;WD				
R31;AKNA;KIAA1958	-0.30625	-2.65889	0.008585	0.233611
	0.206115	2.663091	0.008483	0.232983
FLI1;TP53AIP1;ARHGAP32;ETS1	-0.39114	-2.66315	0.008482	0.232983
	-0.3977	-2.66285	0.008489	0.232983
	-0.24754	-2.6602	0.008553	0.233463
DNAJB2;PNKD;TTLL4;CCDC108;C2orf62;GLB1L;STK36;TUBA4B;				
RQCD1;STK16	-0.47498	-2.66384	0.008465	0.232868
	0.337179	2.659979	0.008559	0.233524
	-0.19362	-2.65927	0.008576	0.233611
	-0.21626	-2.66113	0.008531	0.233342
	-0.19791	-2.66073	0.00854	0.233342
	0.273383	2.66084	0.008538	0.233342
	0.383759	2.655761	0.008662	0.234214
C9orf116	0.24584	2.661043	0.008533	0.233342
	0.316398	2.66071	0.008541	0.233342
COL5A3;KANK2;AP1M2;CNN1;DOCK6;PDE4A;ZNF440;CDKN2D;				
ZNF441;RGL3;UBL5;OLFM2;ICAM3	0.479185	2.658762	0.008588	0.233611
MLLT4;FGFR1OP;SMOC2;ENSG00000228648;ENSG000002317				
20;DACT2;MLLT4-AS1	-0.23189	-2.65612	0.008653	0.234151
	-0.36142	-2.66297	0.008486	0.232983
IFT80	-0.23322	-2.6578	0.008612	0.233835
	0.15577	2.660791	0.008539	0.233342
	0.2565	2.658842	0.008587	0.233611
	-0.30025	-2.65845	0.008596	0.233689
LILRB1;LILRB2;LAIR1	0.353507	2.660987	0.008534	0.233342
	0.305473	2.661327	0.008526	0.233335
HIF3A	-0.20279	-2.66095	0.008535	0.233342
	0.29756	2.661655	0.008518	0.233289
	0.20821	2.662851	0.008489	0.232983
	0.365561	2.66237	0.008501	0.23312
	0.328934	2.659651	0.008567	0.233607
NRXN2	-0.23993	-2.66297	0.008486	0.232983
	0.257634	2.66064	0.008543	0.233364
GPR124;PPAPDC1B;DDHD2;RAB11FIP1	0.405272	2.659831	0.008562	0.233556
PIK3CD	-0.29407	-2.65537	0.008672	0.234261
	-0.2697	-2.66109	0.008532	0.233342
YARS;RNF19B;HDAC1;TMEM54;MTMR9LP;TXLNA;EIF3I	0.235402	2.658198	0.008602	0.233689
COL18A1;ICOSLG	-0.19567	-2.66274	0.008492	0.233018
	0.260055	2.659894	0.008561	0.233556
	0.322194	2.659214	0.008577	0.233611
FAM126A;FAM221A;CDCA7L;RAPGEF5;GPNMB;DNAH11;ENSG				
00000228649;ENSG00000226329	0.387256	2.659965	0.008559	0.233524
ADD2	0.269407	2.662541	0.008497	0.233062
	0.366674	2.658866	0.008586	0.233611
	0.226801	2.662415	0.0085	0.233105

	0.304559	2.659444	0.008572	0.233611
	0.142893	2.659617	0.008568	0.233607
	-0.3891	-2.66042	0.008548	0.233386
NRN1;FARS2;F13A1;DSP	0.383618	2.660175	0.008554	0.233463
PHYHIPL;SLC16A9;ANK3	-0.50977	-2.66057	0.008544	0.233374
CYTIP	-0.39415	-2.66157	0.00852	0.233295
RHPN1-AS1	0.33535	2.660847	0.008538	0.233342
SERPINH1;ENSG00000179240;LRRC32;MAP6;SLCO2B1;DGAT2; ENSG00000255434;C11orf30;ENSG00000255135	-0.57008	-2.6611	0.008531	0.233342
	0.210734	2.65703	0.008631	0.233944
	0.247208	2.657541	0.008618	0.233848
PDCD6;TRIP13;NKD2;TPPP;ENSG00000188002;LPCAT1;AHRR;ZDHHC11	0.282124	2.654655	0.008689	0.234466
MCHR1;PMM1;XPNPEP3;ENSG00000231993;L3MBTL2;DESI1;NFAM1	-0.29328	-2.66213	0.008506	0.233162
	0.267492	2.658827	0.008587	0.233611
CXCR6;CCR5;XCR1	0.386687	2.659828	0.008562	0.233556
COBL	0.325166	2.661068	0.008532	0.233342
	0.213576	2.658914	0.008585	0.233611
ENO1-IT1;ENSG00000234546	-0.31492	-2.65732	0.008624	0.233881
	0.245541	2.660203	0.008553	0.233463
	0.313038	2.661401	0.008524	0.233328
FUT3;UHRF1;PTPRS;FUT6	0.33954	2.66141	0.008524	0.233328
	0.22412	2.657874	0.00861	0.233799
CCT3;HDGF;RAB25;PEAR1;RIT1;C1orf85	-0.2664	-2.66076	0.00854	0.233342
	0.313719	2.660162	0.008554	0.233463
	0.33345	2.65679	0.008637	0.234031
	-0.37096	-2.66148	0.008522	0.233328
	0.370082	2.657911	0.008609	0.23379
NBL1;KLHDC7A	-0.41145	-2.65922	0.008577	0.233611
FAM96A;RBPMS2;FBXL22;SNX1;CSNK1G1;TPM1;ENSG00000259498	-0.25175	-2.66047	0.008547	0.233386
ELMO1;TRGC2	-0.29996	-2.66074	0.00854	0.233342
	-0.22062	-2.65911	0.00858	0.233611
SUN1;HEATR2	0.42254	2.661285	0.008527	0.233342
	-0.2709	-2.65807	0.008605	0.233741
	0.321851	2.65998	0.008559	0.233524
	0.24253	2.656472	0.008645	0.234095
C7orf49;TMEM140	-0.40597	-2.66143	0.008524	0.233328
ENSG00000237070;MEOX2	-0.40693	-2.66111	0.008531	0.233342
	-0.27227	-2.66213	0.008507	0.233162
TRAC;ZFHX2	-0.22398	-2.6611	0.008531	0.233342
	0.426058	2.659387	0.008573	0.233611
	-0.23773	-2.65892	0.008584	0.233611
FCGR3A;FCGR2A	-0.42391	-2.65664	0.008641	0.234043
	0.224685	2.659622	0.008567	0.233607
	-0.35976	-2.65935	0.008574	0.233611

	-0.26899	-2.65884	0.008586	0.233611
NPR1;ATP8B2;JTB;GATAD2B;C1orf43;S100A6;CREB3L4;ILF2;TP				
M3;S100A8;S100A9;S100A14	-0.3865	-2.659	0.008583	0.233611
ARHGEF1	-0.27441	-2.65888	0.008586	0.233611
ABI3;SKAP1;PHOSPHO1;PRR15L;ENSG00000235300	0.358731	2.659548	0.008569	0.233611
	0.15551	2.654781	0.008686	0.234466
CHRD;YEATS2;KLHL6	-0.23087	-2.65688	0.008635	0.233985
SLC22A23	0.330386	2.662017	0.008509	0.233162
FENDRR;FOXF1;USP10;FOXL1;FAM92B;KIAA0513;CRISPLD2	-0.27972	-2.66043	0.008548	0.233386
NME4;HN1L;SOX8;ENSG00000260807;TMEM204;UNKL	-0.32281	-2.65751	0.008619	0.233848
	0.342126	2.657995	0.008607	0.233749
	0.257057	2.660914	0.008536	0.233342
FAM20B	-0.15655	-2.65924	0.008577	0.233611
	0.502705	2.66074	0.00854	0.233342
	-0.39372	-2.65859	0.008593	0.233663
	0.350204	2.661992	0.00851	0.233162
DVL2;MIR497HG;CLDN7;BCL6B;ZBTB4;CHRNB1;CHD3;KIAA075				
3;SLC2A4;ALOX12P2;SCARNA21	-0.23253	-2.65889	0.008585	0.233611
	0.263825	2.658381	0.008598	0.233689
	0.257899	2.658303	0.0086	0.233689
EIF4BP3	0.326405	2.66139	0.008524	0.233328
TFAP2C;AURKA;CASS4;RAE1	0.498692	2.660632	0.008543	0.233364
PDE2A;ARHGEF17;P2RY2	-0.20039	-2.65672	0.008639	0.234034
	-0.17301	-2.65899	0.008583	0.233611
	0.252734	2.659422	0.008572	0.233611
	-0.44033	-2.65824	0.008601	0.233689
PEAK1	0.227854	2.657479	0.00862	0.233848
	-0.30898	-2.65872	0.00859	0.233611
	-0.28861	-2.65928	0.008576	0.233611
FAM13C;CDK1;ANK3	0.331294	2.658675	0.008591	0.233623
	-0.17268	-2.65919	0.008578	0.233611
CHCHD4	-0.38406	-2.66013	0.008555	0.233463
FBLIM1;DNAJC16;ENSG00000238142;FHAD1;PLEKHM2	-0.30985	-2.65721	0.008626	0.233885
	0.311427	2.657247	0.008626	0.233885
	-0.30867	-2.65845	0.008596	0.233689
TEKT2;C1orf216	0.285741	2.660947	0.008535	0.233342
	-0.29058	-2.65648	0.008644	0.234095
	0.36279	2.657627	0.008616	0.233848
	0.281743	2.659005	0.008583	0.233611
IRX2	0.356004	2.658716	0.00859	0.233611
	-0.39036	-2.65841	0.008597	0.233689
	-0.24617	-2.65759	0.008617	0.233848
	0.240127	2.658823	0.008587	0.233611
NKD2;PDCD6;TRIP13	-0.30985	-2.65557	0.008667	0.23422
PTP4A3;ENSG00000261655;ENSG00000271959	0.338945	2.656171	0.008652	0.234151

ASPA;PLD2;SPNS2;ALOX15;C17orf85;TRPV3;CYB5D2;MINK1	-0.28329	-2.65454	0.008692	0.234487
	-0.22959	-2.65901	0.008582	0.233611
	0.250575	2.658722	0.008589	0.233611
	0.28372	2.65931	0.008575	0.233611
TBCD;FN3K;SECTM1	-0.30051	-2.65673	0.008638	0.234034
CCDC11	-0.2681	-2.65826	0.008601	0.233689
	0.242132	2.65567	0.008664	0.234214
	0.322036	2.657529	0.008619	0.233848
	0.243623	2.658846	0.008586	0.233611
	0.255842	2.656485	0.008644	0.234095
SPCS1;ITIH3;SEMA3G;ALAS1;ENSG00000243696;NISCH;PCBP4; GNL3;SFMBT1	0.232042	2.658024	0.008607	0.233745
	-0.23894	-2.65441	0.008695	0.234526
MRGPRF;UNC93B1;PITPNM1;ALDH3B1;FAM86C2P;ENSG00000 255306;AIP;ALDH3B2;ENSG00000261625;GSTP1;ENSG000002 51637;CDK2AP2;ENSG00000254610	0.367138	2.657724	0.008614	0.233848
	-0.29498	-2.65845	0.008596	0.233689
	-0.21496	-2.65826	0.008601	0.233689
AHNAK2	-0.27006	-2.65608	0.008654	0.234151
	0.350796	2.656659	0.00864	0.234043
ENSG00000204380	0.236059	2.65521	0.008676	0.234301
DKK3	0.318608	2.658384	0.008598	0.233689
	0.216649	2.656665	0.00864	0.234043
ANGEL1;AHSA1;CIPC;IFT43;VASH1;SAMD15;GPATCH2L;SPTLC2	-0.37136	-2.65325	0.008724	0.234754
	0.238846	2.657405	0.008622	0.233848
	0.374583	2.659743	0.008565	0.233582
	-0.34602	-2.6598	0.008563	0.233562
PRDX3;SEC23IP;ENSG00000220842;GRK5;GRK5- IT1;CACUL1;MCMBP	0.341119	2.65763	0.008616	0.233848
	0.298811	2.658038	0.008606	0.233745
NEK6;PSMB7;ARPC5L	-0.40915	-2.65931	0.008575	0.233611
GPR183	0.287483	2.656228	0.008651	0.234151
	-0.25219	-2.65763	0.008616	0.233848
	-0.31693	-2.65962	0.008568	0.233607
DNAJB3;ENSG00000224814;UGT1A6;ENSG00000248705	-0.34152	-2.6582	0.008602	0.233689
PRKCA	-0.45232	-2.65924	0.008577	0.233611
SMIM5;RNF157- AS1;RHBDF2;UNC13D;ST6GALNAC2;SPHK1;FOXJ1	-0.35835	-2.65817	0.008603	0.233691
PSMG3	-0.24084	-2.65584	0.00866	0.234214
	-0.31552	-2.65826	0.008601	0.233689
	0.468197	2.657306	0.008624	0.233881
	-0.13733	-2.6537	0.008713	0.234698
	-0.35805	-2.65901	0.008582	0.233611
	0.2927	2.65464	0.00869	0.234466
	0.333007	2.653294	0.008723	0.234754

	0.304123	2.656105	0.008654	0.234151
	-0.26265	-2.65742	0.008621	0.233848
	0.233658	2.657401	0.008622	0.233848
	0.276954	2.658227	0.008602	0.233689
VAMP8;ATOH8;TCF7L1;TCF7L1-IT1	-0.38388	-2.65415	0.008702	0.234606
PLEKHM2	-0.20018	-2.6557	0.008664	0.234214
INPP5K;SCARF1;MYO1C;HIC1;FAM101B;RPH3AL	-0.21828	-2.65115	0.008777	0.235368
	0.351031	2.657463	0.00862	0.233848
ICT1	0.323776	2.65746	0.00862	0.233848
	-0.22916	-2.65922	0.008577	0.233611
FASTKD5	0.241014	2.656345	0.008648	0.234135
	-0.24839	-2.6553	0.008674	0.234272
	0.243811	2.65572	0.008663	0.234214
	0.304851	2.655185	0.008676	0.234301
	-0.25458	-2.65701	0.008631	0.233944
	0.198182	2.657172	0.008627	0.233896
	-0.25263	-2.65598	0.008657	0.234171
IFFO1;CLSTN3;VWF;ANO2;C1R;C1RL;NTF3;SCNN1A;LEPREL2;C1S;RBP5;CD27;C1RL-AS1;LRRC23;CD9;ATN1;GPR162;SPSB2;GNB3;ENSG00000257084	-0.49363	-2.65412	0.008703	0.23461
CIITA	-0.36864	-2.65586	0.00866	0.234214
TRAF3IP1;RAB17;MLPH;COL6A3;TWIST2;ENSG00000232306;LINC01107;HES6	-0.31979	-2.65378	0.008711	0.234698
	0.241983	2.656914	0.008634	0.233979
MBOAT2;GRHL1;CPSF3	-0.37219	-2.65873	0.008589	0.233611
ACACB;KCTD10	0.227613	2.655383	0.008671	0.234261
	0.349271	2.65721	0.008627	0.233885
ATPIF1;WDTC1;TRNAU1AP;CD164L2;RPS6KA1;ENSG00000270605;NUDC;PIGV	-0.22193	-2.65542	0.008671	0.234261
	0.350127	2.656768	0.008637	0.234031
	-0.25074	-2.65585	0.00866	0.234214
	0.263835	2.657759	0.008613	0.233847
	-0.21066	-2.65842	0.008597	0.233689
HSP90AB1;POLR1C	-0.2019	-2.65636	0.008647	0.234135
CHD1L	-0.28276	-2.65166	0.008764	0.235277
	0.213075	2.653387	0.008721	0.234747
TRGV10;TRGC2;TRGV2	-0.40584	-2.65644	0.008646	0.234103
	-0.33508	-2.65618	0.008652	0.234151
	0.30219	2.656472	0.008645	0.234095
	0.204521	2.653221	0.008725	0.234754
	-0.25618	-2.65608	0.008654	0.234151
	-0.23087	-2.65612	0.008653	0.234151
RNF8	0.33514	2.656942	0.008633	0.233975
CAPN9;ENSG00000244137;SPRTN	-0.46418	-2.65603	0.008655	0.234151
	-0.25361	-2.65745	0.008621	0.233848
	-0.55794	-2.65751	0.008619	0.233848

	-0.33453	-2.65724	0.008626	0.233885
	0.217155	2.653977	0.008706	0.234663
	-0.34697	-2.65825	0.008601	0.233689
	-0.20242	-2.65571	0.008663	0.234214
	0.204438	2.654697	0.008688	0.234466
FAM174B;ENSG00000258551;RGMA;SLCO3A1	-0.26565	-2.65266	0.008739	0.234935
	-0.39264	-2.65705	0.00863	0.233944
	0.460513	2.655295	0.008674	0.234272
PARD6B	-0.28434	-2.65463	0.00869	0.234466
	0.251663	2.65488	0.008684	0.23442
LDB2;FBXL5	-0.33434	-2.6544	0.008696	0.234526
	-0.27268	-2.65616	0.008652	0.234151
	-0.31449	-2.65178	0.008761	0.235245
	-0.3495	-2.65261	0.00874	0.234947
	0.435252	2.654205	0.008701	0.234606
AGTRAP;MTHFR;CASZ1	-0.33576	-2.6551	0.008678	0.234328
	-0.20325	-2.65466	0.008689	0.234466
FRMPD2P1;FRMPD2;GDF10;ENSG00000232462;BMS1P7;CTGLF12P	0.289689	2.654287	0.008699	0.234589
SLFN13;UNC45B;ENSG00000266947;LIG3;SLFN11;GAS2L2;RFFL	-0.22716	-2.65309	0.008728	0.234764
	0.306593	2.653099	0.008728	0.234764
CROCC;KLHDC7A	0.292057	2.65555	0.008667	0.23422
	-0.34927	-2.65561	0.008666	0.23422
	0.218786	2.654528	0.008693	0.234487
	0.271494	2.653667	0.008714	0.234698
DOCK3;SEMA3G;POC1A	-0.22032	-2.6534	0.00872	0.234747
	-0.23197	-2.65114	0.008777	0.235368
ESRP2;CIRH1A;HAS3;CDH1	-1.41804	-2.6556	0.008666	0.23422
	0.31355	2.655388	0.008671	0.234261
	0.330812	2.657018	0.008631	0.233944
	0.354822	2.656032	0.008655	0.234151
MYOF	-0.33548	-2.65315	0.008727	0.234757
	0.345747	2.652583	0.008741	0.234947
	-0.28498	-2.65575	0.008662	0.234214
	0.196088	2.653187	0.008726	0.234754
	0.283945	2.653859	0.008709	0.234675
	-0.24038	-2.65612	0.008653	0.234151
PLEKHO1;CGN;ADAMTSL4;SELENBP1	-0.25923	-2.65556	0.008667	0.23422
KCNA3;ENSG00000259834	-0.30221	-2.65574	0.008663	0.234214
	0.284059	2.655405	0.008671	0.234261
	-0.37583	-2.65128	0.008773	0.235368
	0.295233	2.653732	0.008712	0.234698
	0.246274	2.653925	0.008708	0.234668
	-0.27829	-2.65401	0.008705	0.234663
	0.249539	2.65476	0.008687	0.234466
ARPC1A;COPS6;RPS3AP26	0.202917	2.655355	0.008672	0.234261

	-0.31285	-2.65487	0.008684	0.23442
	0.269425	2.655683	0.008664	0.234214
	-0.30478	-2.65052	0.008792	0.235544
SMO	0.254569	2.652402	0.008745	0.235034
LRRC71;MTX1;NES;ASH1L;PEAR1;SYT11;HDGF;IQGAP3;MEF2D	-0.31861	-2.64903	0.008829	0.235855
	0.200472	2.651792	0.00876	0.235245
	-0.33797	-2.65385	0.008709	0.234675
	-0.35568	-2.64953	0.008817	0.235757
KIAA0586	0.308972	2.652842	0.008734	0.234844
	0.296976	2.651042	0.008779	0.235401
	0.218457	2.651836	0.008759	0.235245
ENSG00000268362	0.319667	2.653992	0.008706	0.234663
ZNF70	-0.22611	-2.65182	0.00876	0.235245
NUP210	-0.33058	-2.65618	0.008652	0.234151
NOS3;GIMAP8;REPIN1;ACTR3C;GIMAP6;CHPF2;RARRES2	-0.34616	-2.65496	0.008682	0.234389
	0.207602	2.646788	0.008886	0.236242
TTLL9;RNU1-94P;BCL2L1;DEFB124	-0.40277	-2.65519	0.008676	0.234301
ENSG00000237478	-0.32953	-2.64968	0.008813	0.235736
	-0.18726	-2.65499	0.008681	0.234386
	-0.33457	-2.6534	0.008721	0.234747
	0.273127	2.649833	0.008809	0.235701
ODF2L	-0.29356	-2.65415	0.008702	0.234606
TRIM26;HLA-A	-0.25734	-2.6529	0.008733	0.234821
	-0.23701	-2.65459	0.008691	0.234476
	-0.32519	-2.65088	0.008783	0.235447
	0.213567	2.653264	0.008724	0.234754
	0.244965	2.65363	0.008715	0.234698
INPP5A;ECHS1;TUBGCP2;LRRC27	-0.38006	-2.65214	0.008752	0.235138
	-0.27462	-2.65385	0.008709	0.234675
	-0.26921	-2.65162	0.008765	0.235289
	-0.20009	-2.65158	0.008766	0.23529
	-0.36911	-2.65514	0.008678	0.234317
	-0.29129	-2.65297	0.008731	0.23482
	-0.22954	-2.65034	0.008797	0.235586
	0.262767	2.651907	0.008758	0.235217
	-0.15421	-2.65154	0.008767	0.2353
SNRPD1	0.272342	2.653394	0.008721	0.234747
RNF157-AS1;RHBDF2;SMIM5;UNC13D;SLC16A5	-0.30662	-2.65267	0.008739	0.234935
	-0.30981	-2.65441	0.008695	0.234526
	-0.26186	-2.65365	0.008714	0.234698
	0.212955	2.649165	0.008826	0.235811
	-0.27449	-2.65423	0.0087	0.234606
PARP12;TBXAS1;JHDM1D-AS1	-0.39218	-2.65339	0.008721	0.234747
GALNS	0.259761	2.650096	0.008803	0.235624
PYHIN1	-0.34925	-2.65415	0.008702	0.234606

	0.254115	2.653235	0.008725	0.234754
	-0.20734	-2.65361	0.008715	0.234698
SLC20A2;HOOK3;AP3M2;VDAC3	-0.4154	-2.65472	0.008688	0.234466
	-0.26105	-2.65363	0.008715	0.234698
	0.246485	2.651938	0.008757	0.235217
	0.290512	2.649607	0.008815	0.235757
PFN4;KLHL29;TP53I3	-0.36061	-2.65129	0.008773	0.235368
ANKRD35;PIAS3;CHD1L;FMO5;LIX1L;CCT8P1	0.29753	2.653256	0.008724	0.234754
THEMIS2;WDTC1;TRNP1	-0.28492	-2.65394	0.008707	0.234668
ENSG00000198580	0.391902	2.651151	0.008776	0.235368
	-0.21416	-2.65349	0.008718	0.234747
	-0.23982	-2.65192	0.008757	0.235217
	0.261401	2.651129	0.008777	0.235368
	0.216505	2.650276	0.008798	0.235599
ZNF831	-0.3247	-2.65376	0.008711	0.234698
TIMP2;CBX2;C1QTNF1;CYTH1	0.212247	2.647482	0.008868	0.236183
SKAP1	0.341142	2.652899	0.008733	0.234821
CTBP1-AS2	0.260871	2.649327	0.008822	0.235766
	0.242733	2.651238	0.008774	0.235368
FYB	0.378115	2.652553	0.008742	0.234947
	-0.2493	-2.65233	0.008747	0.235065
ZNF415	-0.44197	-2.65014	0.008802	0.235624
SKP1	0.318098	2.649991	0.008805	0.235642
	-0.17212	-2.65051	0.008792	0.235544
DIO3OS;DIO3;MEG3;MEG8;RTL1	-0.23074	-2.65073	0.008787	0.235529
	0.254163	2.651437	0.008769	0.235324
SRSF12	0.235443	2.651008	0.00878	0.235401
CHSY1;DNM1P47;ENSG00000272808;ENSG00000259236	0.237509	2.646037	0.008905	0.236381
SAR1A	-0.22868	-2.65292	0.008732	0.234821
ATXN10	-0.28631	-2.64843	0.008845	0.235991
LIPH;C3orf70;MAP3K13;DNAJB11;DGKG;ST6GAL1;EHHADH	-0.33544	-2.65229	0.008748	0.235065
	0.31329	2.65068	0.008788	0.235544
	0.26027	2.650087	0.008803	0.235624
AKR1C2;AKR1C3	-0.32791	-2.64139	0.009023	0.237409
TIMP3;FBXO7	0.310686	2.653047	0.008729	0.23478
LINC00205	-0.29852	-2.6476	0.008865	0.236168
	-0.24459	-2.65041	0.008795	0.235568
	-0.25631	-2.65016	0.008801	0.235624
HOOK1	-0.44103	-2.65099	0.00878	0.235401
NPEPPS;HOXB6;PRR15L;TBKBP1;HOXB4	0.199829	2.653202	0.008725	0.234754
P2RX7;P2RX4	0.488197	2.652289	0.008748	0.235065
C16orf71;GLIS2;VASN;GLYR1;CDIP1;SMIM22;C16orf89;SEC14L5;TFAP4	0.292306	2.650462	0.008794	0.235548
SLBP	0.301695	2.651991	0.008756	0.235217
	0.217647	2.651184	0.008776	0.235368
IRX3;CRNDE;IRX5;FTO;RPGRIP1L	0.342747	2.651455	0.008769	0.235324

	0.229796	2.65169	0.008763	0.235277
	-0.27236	-2.65317	0.008726	0.234754
	0.247567	2.651926	0.008757	0.235217
RFX2;LRG1;TNFAIP8L1;CAPS;SEMA6B;CATSPERD;HSD11B1L;PTPRS;ENSG00000266983	-0.26817	-2.65054	0.008792	0.235544
	0.278801	2.648239	0.008849	0.236019
	-0.32368	-2.65359	0.008716	0.234698
	0.201025	2.651305	0.008773	0.235368
	0.271178	2.650623	0.00879	0.235544
COL9A3;PTK6;STMN3	-0.30347	-2.64723	0.008875	0.236199
	0.191965	2.650063	0.008804	0.235624
ZBTB37	-0.21926	-2.64973	0.008812	0.235728
	-0.22132	-2.65102	0.00878	0.235401
DENND5A;STK33;C11orf16;TUB;OR5P3;TMEM41B;SBF2;WEE1;TMEM9B	-0.42217	-2.64956	0.008816	0.235757
	0.307442	2.650358	0.008796	0.235586
	0.268042	2.650118	0.008802	0.235624
	0.381486	2.651675	0.008763	0.235277
	0.258726	2.650006	0.008805	0.235642
	0.21311	2.651518	0.008767	0.2353
FAM167A;FDFT1	-0.28252	-2.64696	0.008882	0.236199
ITGB7	0.325417	2.652574	0.008741	0.234947
GDF10	0.211963	2.648253	0.008849	0.236019
LHPP;DHX32;FANK1	-0.4131	-2.65061	0.00879	0.235544
	-0.32146	-2.64905	0.008829	0.235855
	0.264968	2.64885	0.008834	0.235926
EMBP1	0.291745	2.648071	0.008854	0.236073
	-0.15681	-2.64629	0.008898	0.236341
ROPN1B;HEG1;FAM86JP;ALG1L;MUC13;SNX4	-0.38287	-2.6472	0.008876	0.236199
GALNT16	-0.30471	-2.64932	0.008822	0.235766
	-0.28006	-2.65092	0.008782	0.235432
	-0.19018	-2.64945	0.008819	0.235761
	-0.40836	-2.6516	0.008765	0.235289
MBOAT1;ID4;ENSG00000226786	0.286022	2.648573	0.008841	0.235972
ENSG00000270055;ENSG00000215302	0.258948	2.650218	0.0088	0.235623
	0.229653	2.650519	0.008792	0.235544
ABHD17C;IL16;KIAA1199	-0.39461	-2.65116	0.008776	0.235368
	-0.26652	-2.64934	0.008822	0.235766
ASPA	0.181102	2.649794	0.00881	0.235701
	-0.20454	-2.64868	0.008838	0.235952
	0.173446	2.650081	0.008803	0.235624
ST7-OT4	0.392847	2.648632	0.008839	0.235952
CRLS1	0.294114	2.646917	0.008883	0.236199
	0.179796	2.648639	0.008839	0.235952
	-0.33119	-2.64979	0.00881	0.235701
	0.202198	2.651191	0.008775	0.235368
	0.355085	2.649896	0.008808	0.235676

	0.278033	2.649937	0.008807	0.235664
	-0.4675	-2.6471	0.008878	0.236199
PIEZO1;CBFA2T3;RNF166;TRAPPC2L;ANKRD11;ENSG00000224888;ENSG00000259881;ENSG00000261226	0.266936	2.647091	0.008878	0.236199
TEAD2;PIH1D1;MYH14;FUZ	0.289658	2.647669	0.008864	0.236151
	0.330832	2.650637	0.008789	0.235544
	0.484146	2.652209	0.00875	0.235104
	-0.16543	-2.64845	0.008844	0.235991
	-0.30454	-2.64729	0.008873	0.236199
WNT4;USP48	-0.40852	-2.64761	0.008865	0.236168
AGO3;ADPRHL2;TEKT2;ENSG00000201448;OSCP1;CSF3R;GRIK3	-0.35656	-2.64805	0.008854	0.236073
TK2	0.124085	2.647477	0.008869	0.236183
FAM115C;MGAM	0.264188	2.649585	0.008816	0.235757
SLC17A9	0.217818	2.648487	0.008843	0.235991
DCTPP1	0.228906	2.645857	0.008909	0.236396
EBF1;ENSG00000253811;ENSG00000253456;RNF145	-0.24894	-2.64772	0.008862	0.236146
	0.246986	2.64717	0.008876	0.236199
IMPA1;PAG1;SLC10A5;CHMP4C;ENSG00000254162	0.509998	2.647752	0.008862	0.236141
	0.299641	2.648054	0.008854	0.236073
	-0.26071	-2.64942	0.00882	0.235761
	0.315029	2.650569	0.008791	0.235544
GPR133	-0.33987	-2.64465	0.00894	0.236741
	0.252862	2.647021	0.00888	0.236199
DENND2D;KCND3-AS1	0.246818	2.649545	0.008817	0.235757
	0.287136	2.647939	0.008857	0.236088
	-0.3237	-2.64875	0.008837	0.235948
	0.211236	2.64775	0.008862	0.236141
	-0.33475	-2.64883	0.008834	0.235926
MYO9B;NWD1	-0.31802	-2.64891	0.008833	0.235909
	-0.33148	-2.65031	0.008797	0.235592
HOXB3;HOXB4;PRR15L;HOXB-AS2;NPEPPS;SKAP1;TBKBP1	-0.29936	-2.64768	0.008863	0.236151
SLC22A15;AMPD1;CASQ2;DENND2C;ENSG00000233730	0.322759	2.64433	0.008948	0.23675
TLN1;RUSC2;TPM2;DNAJB5;RECK;UNC13B;GNE;STOML2;RNF38;CLTA;PIGO;GLIPR2;VCP;CCL19;CCL21;HINT2;IL11RA;FAM166B	0.257786	2.647468	0.008869	0.236183
	-0.28892	-2.64713	0.008877	0.236199
	0.174264	2.647011	0.00888	0.236199
NEK2	0.245456	2.648934	0.008832	0.235908
FCHSD2;PDE2A	-0.37962	-2.6446	0.008941	0.236741
	0.249584	2.644449	0.008945	0.236741
LPIN2	-0.23674	-2.64575	0.008912	0.23644
	0.306507	2.649309	0.008822	0.235766
LY6H	-0.13348	-2.64968	0.008813	0.235736
	0.241509	2.646944	0.008882	0.236199
	-0.84153	-2.64882	0.008835	0.235926

ITPR2	-0.37617	-2.6479	0.008858	0.236101
	0.317814	2.645919	0.008908	0.236381
	0.135811	2.646297	0.008898	0.236341
	0.29353	2.648005	0.008855	0.236073
	0.229125	2.648347	0.008847	0.236019
HPCAL1	-0.36233	-2.6493	0.008823	0.235766
	0.273985	2.64465	0.00894	0.236741
	0.228363	2.648095	0.008853	0.236073
	-0.32025	-2.64945	0.008819	0.235761
	-0.17138	-2.64924	0.008824	0.235788
KIF3A;SLC22A4;P4HA2;PDLIM4;GDF9;SEPT8;SOWAHA;SHROOM1;HSPA4;SLC22A5;ENSG00000230612	-0.40783	-2.64569	0.008914	0.236465
	0.447144	2.649476	0.008818	0.235761
RNF212;FGFR3;PDE6B;ENSG00000272927;ENSG00000273179;SPON2	-0.33729	-2.64872	0.008837	0.235948
	0.260428	2.64851	0.008843	0.235991
	0.334063	2.643534	0.008968	0.236935
	0.251573	2.647179	0.008876	0.236199
	0.307609	2.649051	0.008829	0.235855
	-0.23862	-2.64776	0.008861	0.236141
SNHG3;TAF12;SNORA73B	-0.22014	-2.64744	0.00887	0.23619
CPEB4;ERGIC1	-0.25394	-2.64367	0.008965	0.236932
	-0.15736	-2.64642	0.008895	0.236314
	-0.2516	-2.64943	0.00882	0.235761
	-0.296	-2.64729	0.008873	0.236199
GIMAP5	-0.19542	-2.64921	0.008825	0.235798
TRNP1;DHDDS;AIM1L;FAM110D;GPN2	-0.37807	-2.65048	0.008793	0.235548
	0.255538	2.645095	0.008929	0.236644
	-0.29275	-2.64802	0.008855	0.236073
	-0.28662	-2.64841	0.008845	0.235991
ZKSCAN1;COPS6;BUD31	-0.38624	-2.64616	0.008902	0.23637
PLEKHG2	-0.18888	-2.64298	0.008982	0.237053
	0.283515	2.645931	0.008908	0.236381
VPS26B	-0.17713	-2.647	0.008881	0.236199
	-0.24739	-2.64634	0.008897	0.23634
	-0.23889	-2.64843	0.008845	0.235991
	-0.23684	-2.64517	0.008927	0.236638
	0.293177	2.647335	0.008872	0.236199
	0.247988	2.647201	0.008875	0.236199
	-0.28468	-2.64599	0.008906	0.236381
	0.357856	2.648626	0.00884	0.235952
	0.388329	2.646896	0.008883	0.236199
LDB1;LZTS2	0.265786	2.644468	0.008945	0.236741
PEAR1;SMG5;SLC50A1	-0.3408	-2.64749	0.008868	0.236183
	-0.16309	-2.64824	0.008849	0.236019
NWD1;C19orf44;ENSG00000267275;OCEL1;RASAL3;CYP4F12;ENSG00000269836	-0.32247	-2.64302	0.008981	0.237053

PMEPA1	0.328974	2.64652	0.008893	0.236294
ANO2;NTF3;VWF;CCND2	-0.36036	-2.64398	0.008957	0.236867
	0.225742	2.643207	0.008977	0.237032
ENSG00000226891	-0.31123	-2.64519	0.008926	0.236638
	0.363944	2.64699	0.008881	0.236199
	-0.34653	-2.64786	0.008859	0.236109
	0.159289	2.647467	0.008869	0.236183
NDUFB3;BZW1	-0.22496	-2.64557	0.008917	0.236502
	0.236312	2.648303	0.008848	0.236019
	0.313024	2.646938	0.008882	0.236199
	0.194716	2.646866	0.008884	0.236204
	-0.29918	-2.6483	0.008848	0.236019
	0.375872	2.646639	0.00889	0.236283
PTPRG;FHIT	0.308599	2.641959	0.009008	0.237308
	0.214	2.64716	0.008876	0.236199
ADAMTS17;DNM1P47	-0.37469	-2.64616	0.008902	0.23637
PNLDC1	-0.3081	-2.64349	0.008969	0.236935
GHITM	-0.37692	-2.64872	0.008837	0.235948
	0.240398	2.646015	0.008905	0.236381
RAD51B;ENSG00000258837	0.198191	2.644696	0.008939	0.236741
ARSB;BHMT	0.235304	2.644405	0.008946	0.236741
	0.392694	2.648008	0.008855	0.236073
	-0.3152	-2.64714	0.008877	0.236199
ABCA4;ABCD3;ARHGAP29;GCLM;EVI5;ENSG00000233129	-0.41835	-2.64286	0.008985	0.237091
	0.302085	2.646507	0.008893	0.236294
	0.265898	2.647954	0.008857	0.236088
ENSG00000260807;SOX8;HN1L;ABCA3;UNKL;ECI1	-0.25307	-2.64009	0.009056	0.237726
	-0.21897	-2.63998	0.009059	0.237726
PPIF	0.318696	2.646499	0.008893	0.236294
RXRG;PBX1;TMCO1	0.341943	2.642035	0.009006	0.237308
LRRC27;INPP5A;TTC40;PWWP2B;FUOM;KNDC1;STK32C;TUBGC				
P2	-0.29525	-2.64602	0.008905	0.236381
	-0.21349	-2.64619	0.008901	0.23637
	-0.17489	-2.64645	0.008894	0.236306
	0.296969	2.643858	0.00896	0.236902
	0.411863	2.644969	0.008932	0.23671
	0.277979	2.645185	0.008926	0.236638
B3GNT5;ENSG00000238837	-0.36548	-2.64649	0.008893	0.236294
	0.24574	2.646766	0.008886	0.236242
	-0.20813	-2.6444	0.008946	0.236741
	-0.29208	-2.64459	0.008941	0.236741
	0.277728	2.644746	0.008938	0.236741
	0.391819	2.645902	0.008908	0.236381
	-0.39585	-2.64137	0.009023	0.237409
FAIM3;PFKFB2;DYRK3	0.35986	2.644948	0.008932	0.23671
ISLR	0.144155	2.643662	0.008965	0.236932

	0.219204	2.645538	0.008917	0.236502
	-0.16474	-2.64655	0.008892	0.236294
	-0.24306	-2.64618	0.008901	0.23637
	-0.3179	-2.64511	0.008928	0.236644
	0.234604	2.645662	0.008914	0.236468
	0.223214	2.644744	0.008938	0.236741
	-0.3603	-2.64445	0.008945	0.236741
ENSG00000259881;TRAPPC2L;PIEZO1	0.232723	2.642676	0.00899	0.237184
	0.285295	2.64425	0.00895	0.23675
ARAP3;PCDH12;SPRY4;PCDHGA4;PCDHGA5;PCDHGB2;PCDHGC3;PCDHGB7;PCDHGA9;PCDHGA12;PCDHGA2;PCDHGA6;PCDHGC5;PCDHGB1;KIAA0141	0.348209	2.646654	0.008889	0.236283
	0.234374	2.644837	0.008935	0.236741
	-0.34464	-2.64552	0.008918	0.236502
HLA-K;HCG4P7;HLA-H	-0.22716	-2.64521	0.008926	0.236638
	-0.36449	-2.64718	0.008876	0.236199
SH3TC1;PSAPL1;SORCS2;AFAP1;ABLIM2	-0.32662	-2.64465	0.00894	0.236741
	-0.1903	-2.64344	0.008971	0.236935
	0.276622	2.644815	0.008936	0.236741
RASAL3;MYO9B;NWD1;BRD4;SIN3B;KLF2;SYDE1	-0.3936	-2.64556	0.008917	0.236502
	-0.28778	-2.64308	0.00898	0.237044
	-0.40267	-2.64241	0.008997	0.237242
	0.33832	2.645763	0.008912	0.23644
JAK3;FCHO1;MAST3	-0.28199	-2.64591	0.008908	0.236381
	-0.29668	-2.64429	0.008949	0.23675
	0.250026	2.646022	0.008905	0.236381
	0.440955	2.647112	0.008878	0.236199
PIH1D1	-0.24867	-2.64603	0.008905	0.236381
	0.18502	2.644284	0.008949	0.23675
	-0.48793	-2.64513	0.008928	0.236644
C4orf33	-0.38038	-2.64194	0.009009	0.237308
	-0.37695	-2.64426	0.00895	0.23675
GIMAP7;TMEM176A;GIMAP8;GIMAP5;GIMAP2;GIMAP4;TMEM176B;GIMAP6;GIMAP1;ATG9B	-0.23905	-2.64548	0.008919	0.236514
TGIF2;EPB41L1;MYL9;RBL1	-0.29287	-2.64239	0.008997	0.237242
	0.351425	2.64666	0.008889	0.236283
	-0.30216	-2.64526	0.008924	0.236638
SLC43A2;GEMIN4;NXN	-0.32739	-2.64451	0.008943	0.236741
ENSG00000230739;C1orf110	-0.37711	-2.64013	0.009055	0.237726
C11orf74;PAMR1	-0.36121	-2.64358	0.008967	0.236935
PLA2R1	0.308371	2.644931	0.008933	0.23671
	-0.24031	-2.6441	0.008954	0.236813
TUBB2A;SERPINB6	0.198131	2.643417	0.008971	0.236935
	0.341387	2.643135	0.008978	0.237044
FHAD1;CROCC	-0.24503	-2.64329	0.008974	0.23699
	0.287855	2.642816	0.008987	0.237104
	-0.49528	-2.64292	0.008984	0.237079

FNDC5;SYNC;TMEM54;KIAA1522;CSMD2;RNF19B;AK2	-0.38496	-2.64391	0.008959	0.236898
ABI3;FAM117A;HOXB4;EPN3;COL1A1;CALCOCO2;NXPH3;HOXB3;MRPL27;HOXB-AS2;MIR10A	-0.20518	-2.64637	0.008896	0.236333
	0.256768	2.642857	0.008985	0.237091
	0.298678	2.6452	0.008926	0.236638
	-0.22482	-2.64373	0.008963	0.23693
	-0.25251	-2.64262	0.008992	0.237192
	-0.17832	-2.64599	0.008906	0.236381
	0.161673	2.643442	0.008971	0.236935
	0.28866	2.643333	0.008973	0.236976
	0.167208	2.640863	0.009036	0.237556
	-0.3928	-2.64463	0.008941	0.236741
	0.190435	2.643436	0.008971	0.236935
YIF1A	0.18141	2.63937	0.009075	0.23783
	-0.26904	-2.64654	0.008892	0.236294
	-0.28706	-2.63991	0.009061	0.237728
WSB2;FBXO21	0.256169	2.642379	0.008998	0.237242
	0.263333	2.644502	0.008944	0.236741
ZNF136;NFIX	0.15497	2.643794	0.008962	0.236916
RNF32;SHH;RBM33;C7orf13;PAXIP1-AS2	0.365663	2.641826	0.009012	0.237341
	-0.22787	-2.64006	0.009057	0.237726
FTSJ2	0.244841	2.644668	0.008939	0.236741
	0.192324	2.643419	0.008971	0.236935
BCYRN1	0.148757	2.641484	0.009021	0.237409
	0.229728	2.644778	0.008937	0.236741
FLAD1;RAB25;SLC50A1;SHE;ZBTB7B;TPM3;TDRD10;MUC1;DAP3;SYT11;UBE2Q1;ASH1L;LAMTOR2;ATP8B2;SSR2	-0.2933	-2.64221	0.009002	0.237308
TRAF3IP1;RAB17;HES6;ENSG00000232306	-0.41008	-2.6436	0.008967	0.236935
	0.167201	2.638365	0.009101	0.238041
	0.241214	2.642519	0.008994	0.237223
GABBR1;HCG14	0.412523	2.640722	0.00904	0.237591
	-0.20168	-2.64109	0.009031	0.237475
NDUFB3	0.381502	2.639343	0.009075	0.23783
	0.259282	2.642982	0.008982	0.237053
	0.252881	2.644377	0.008947	0.236745
	-0.26321	-2.64312	0.008979	0.237044
	0.383736	2.64377	0.008962	0.236917
CCDC96;KIAA0232;CRMP1;EVC;SORCS2;WFS1;PSAPL1;PPP2R2C	-0.27085	-2.64172	0.009015	0.237346
	0.318609	2.64218	0.009003	0.237308
	0.271595	2.644424	0.008946	0.236741
SYNGAP1;ENSG00000272374;ANKS1A;ITPR3	-0.32199	-2.63881	0.009089	0.237963
	-0.23109	-2.64162	0.009017	0.237398
	0.154856	2.640067	0.009057	0.237726
	0.346418	2.643697	0.008964	0.236932
	0.196485	2.638791	0.00909	0.237963
RARRES3	-0.27103	-2.64405	0.008955	0.236835

CYS1;KLF11;GREB1;ROCK2	-0.23157	-2.64237	0.008998	0.237242
	0.213697	2.641392	0.009023	0.237409
	0.175745	2.642032	0.009007	0.237308
CHST6;ENSG00000203472;FA2H;TMEM170A;RFWD3;CFDP1;KA				
RS	0.284133	2.644108	0.008954	0.236813
	-0.18032	-2.63848	0.009098	0.238009
TRAF1;GGTA1P	-0.337	-2.64264	0.008991	0.237191
	-0.25177	-2.64228	0.009	0.23729
	-0.35581	-2.64344	0.008971	0.236935
CARS	-0.37244	-2.64223	0.009001	0.237307
SARDH;GBGT1;ADAMTSL2;MED22;SURF6;SLC2A6;RALGDS	-0.31214	-2.64317	0.008978	0.237042
	0.25105	2.637721	0.009117	0.238143
PIEZO2	0.234768	2.642535	0.008994	0.237223
	0.356928	2.642163	0.009003	0.237308
	0.175355	2.64308	0.00898	0.237044
NLK;TRAF4;IFT20;TLCD1;ANKRD13B;RAB34;SUPT6H;DHRS13;C				
ORO6;MYO18A;SPAG5;TWF1P1;VTN	-0.4609	-2.64193	0.009009	0.237308
RBFOX2;RASD2	-0.25202	-2.64194	0.009009	0.237308
RN7SKP71	0.178696	2.642004	0.009007	0.237308
	0.316501	2.641508	0.00902	0.237409
	-0.27319	-2.63789	0.009113	0.238116
	0.155776	2.639228	0.009078	0.237867
	0.262937	2.641769	0.009013	0.237341
VWDE	-0.63493	-2.64388	0.008959	0.236901
LPCAT1;NDUFS6;MRPL36;IRX2	-0.31154	-2.64113	0.00903	0.237475
	-0.25232	-2.64443	0.008946	0.236741
	0.338021	2.641287	0.009026	0.237409
PSTPIP1	-0.13142	-2.64129	0.009026	0.237409
	0.306067	2.641806	0.009012	0.237341
C1orf21;IVNS1ABP;EDEM3;COLGALT2	0.428351	2.643529	0.008968	0.236935
	0.35445	2.640021	0.009058	0.237726
	-0.22268	-2.6405	0.009046	0.237665
BCL11B;DEGS2	0.431781	2.644237	0.00895	0.23675
VASH1;GPATCH2L;SLIRP;C14orf166B;AHSA1;SPTLC2;RPL21P10	0.280533	2.642037	0.009006	0.237308
	-0.24344	-2.63846	0.009098	0.238009
ENSG00000248399;ENSG00000206113;SH3BP2;ENSG0000024				
9428;NOP14;FAM86EP;ENSG00000243894	-0.28794	-2.63916	0.00908	0.237868
	0.171378	2.638162	0.009106	0.238069
	0.306398	2.642105	0.009005	0.237308
	0.246341	2.642004	0.009007	0.237308
	-0.25237	-2.64147	0.009021	0.237409
	0.235275	2.640109	0.009056	0.237726
	-0.13375	-2.63937	0.009075	0.23783
	0.307276	2.643803	0.008961	0.236916
AIF1L;LAMC3;AK8;C9orf171;C9orf9;ABL1	0.278622	2.642486	0.008995	0.237224

ADARB1;UBE2G2	-0.36517	-2.63998	0.009059	0.237726
	0.212612	2.640652	0.009042	0.237609
LPIN1;GREB1;HPCAL1	-0.73422	-2.64201	0.009007	0.237308
	0.362594	2.642509	0.008994	0.237223
	-0.48007	-2.6409	0.009035	0.237556
	0.27136	2.639186	0.009079	0.237867
CLEC14A;FOXA1	0.486401	2.641181	0.009028	0.237458
	0.127659	2.639749	0.009065	0.237758
	-0.29813	-2.64148	0.009021	0.237409
ACADM;SLC44A5	0.252653	2.643019	0.008981	0.237053
TMEM68;SDR16C5;SBF1P1;XKR4;LINC00968;ENSG00000236814	-0.37143	-2.64187	0.009011	0.237331
IFI35;MPP2;AOC3	-0.2935	-2.64026	0.009052	0.237723
	-0.21052	-2.63726	0.009129	0.238277
	0.285727	2.633845	0.009218	0.239056
	0.271007	2.641295	0.009025	0.237409
	-0.46032	-2.63855	0.009096	0.238009
ZDHHC13;TSG101	-0.24822	-2.6402	0.009053	0.237723
	-0.29093	-2.63797	0.009111	0.238116
	0.299658	2.641718	0.009015	0.237346
HAND2-AS1;SCRG1	-0.34953	-2.64038	0.009049	0.237698
	0.34442	2.637819	0.009115	0.238119
HERC1;RAB8B;SNX1;TLN2;TPM1;ENSG00000166104	0.406178	2.640702	0.009041	0.237591
UACA;TLE3	-0.26793	-2.64109	0.009031	0.237475
	-0.1944	-2.63823	0.009104	0.238069
	-0.4787	-2.64021	0.009053	0.237723
DERL2	0.444205	2.641302	0.009025	0.237409
	-0.25456	-2.64128	0.009026	0.237409
PLEKHS1;ADRB1;AFAP1L2	-0.40663	-2.63817	0.009106	0.238069
RAB11FIP4	-0.37712	-2.63791	0.009112	0.238116
	0.241752	2.633226	0.009234	0.239141
ADCY4;GMPR2;DHRS4L2;DHRS4-AS1;SLC22A17	-0.27765	-2.64048	0.009046	0.237665
	0.285806	2.64023	0.009053	0.237723
	-0.26601	-2.63936	0.009075	0.23783
	-0.25055	-2.64061	0.009043	0.237625
ENSG00000224049	-0.28218	-2.63993	0.00906	0.237728
TMED11P	0.23596	2.639818	0.009063	0.237748
	0.179207	2.640202	0.009053	0.237723
BAIAP2L1;ZKSCAN1;BUD31;ZNF3;STAG3;KPNA7;CYP3A5	-0.27789	-2.64133	0.009024	0.237409
TNFRSF17;SHISA9	0.326782	2.639517	0.009071	0.237805
NOVA2;HIF3A;SNRPD2;EXOC3L2	0.212356	2.641579	0.009018	0.237409
	-0.38747	-2.63798	0.009111	0.238116
	-0.32433	-2.6392	0.009079	0.237867
NUP210	-0.22798	-2.63887	0.009088	0.237963
	-0.34368	-2.63843	0.009099	0.238013
C10orf128	0.328311	2.641775	0.009013	0.237341
ENSG00000269938	0.341195	2.639626	0.009068	0.237775

	-0.22064	-2.64087	0.009036	0.237556
	0.334246	2.639456	0.009073	0.23783
	0.205415	2.640392	0.009048	0.237698
	-0.23752	-2.6397	0.009066	0.237769
TBC1D10C	-0.29417	-2.64086	0.009036	0.237556
	0.315024	2.637353	0.009127	0.238243
RIN3;TC2N;C14orf142;SLC24A4;ENSG00000260711;NDUFB1;U				
NC79	-0.31312	-2.63768	0.009118	0.238143
SAMD8;VDAC2;C10orf11	-0.36542	-2.64132	0.009025	0.237409
SLC2A10	-0.30969	-2.64024	0.009052	0.237723
	-0.25999	-2.63576	0.009168	0.238836
	0.217646	2.63428	0.009206	0.239012
LY75;CD302	-0.41086	-2.63566	0.009171	0.238838
	0.299729	2.63974	0.009065	0.237758
VWF;ANO2	0.376494	2.637827	0.009114	0.238119
C6orf10;HSPA1A;SLC44A4;DHX16;HCP5;BAG6;HSPA1B;PPP1R1				
8;DDR1;LTB;HLA-B;NELFE;PPP1R10	0.309634	2.640731	0.00904	0.237591
	-0.37757	-2.6386	0.009095	0.238009
C6orf132	0.431924	2.639738	0.009065	0.237758
	0.19983	2.638128	0.009107	0.23807
FRMD4A;FAM107B	-0.34542	-2.6361	0.009159	0.238695
	-0.37242	-2.63815	0.009106	0.238069
	0.219041	2.639067	0.009083	0.237913
TACR1;HK2;LOXL3;BOLA3;ACTG2;WDR54;SEMA4F;RTKN;MOGS				
;DQX1;ENSG00000270571;DGUOK;ALMS1;MOB1A	0.270859	2.639982	0.009059	0.237726
	0.209648	2.640813	0.009038	0.237575
	-0.53783	-2.63953	0.009071	0.237805
SETP5	0.203298	2.640762	0.009039	0.237591
LINC00365;LINC00426	0.256202	2.637551	0.009122	0.238195
FAM83F;PDGFB;CBX7;MKL1;SLC25A17;GRAP2	-0.4533	-2.63701	0.009135	0.238379
	0.31437	2.638552	0.009096	0.238009
	-0.16784	-2.64054	0.009045	0.237654
	0.285307	2.639327	0.009076	0.23783
	0.138291	2.638852	0.009088	0.237963
	0.238433	2.637984	0.00911	0.238116
	0.28053	2.638784	0.00909	0.237963
	0.250568	2.634915	0.00919	0.238908
SCARB1;PITPNM2;FAM101A	0.319091	2.637001	0.009136	0.238379
	-0.29682	-2.64037	0.009049	0.237698
	0.370807	2.638182	0.009105	0.238069
	0.292259	2.639053	0.009083	0.237913
RNU4-1	-0.28625	-2.63869	0.009092	0.238009
TJP3;GIPC3;TNFAIP8L1	-0.43366	-2.6351	0.009185	0.238876
GLIS2	0.212233	2.636617	0.009146	0.238536
LIFR	-0.32683	-2.63964	0.009068	0.237775
CTNNA1	0.219618	2.639646	0.009068	0.237775
	0.188146	2.634672	0.009196	0.238948

EVI2B;EVI2A	-0.34761	-2.63986	0.009062	0.237731
EBF1;ENSG00000253811;ENSG00000253456	-0.43573	-2.63924	0.009078	0.237867
	0.294815	2.637428	0.009125	0.238217
	0.284081	2.639959	0.00906	0.237726
	-0.35776	-2.6389	0.009087	0.237963
COL22A1	0.207672	2.63865	0.009093	0.238009
	0.242805	2.639889	0.009061	0.237729
	0.32515	2.640908	0.009035	0.237556
	-0.32582	-2.63523	0.009182	0.238876
	0.134711	2.638511	0.009097	0.238009
UNC45B;ENSG00000267369	0.293355	2.637941	0.009112	0.238116
	-0.33906	-2.638	0.00911	0.238116
	0.143446	2.637413	0.009125	0.238217
	-0.40017	-2.63391	0.009216	0.239056
	0.343601	2.639405	0.009074	0.23783
	-0.19236	-2.63848	0.009098	0.238009
	0.309262	2.638221	0.009104	0.238069
	0.221293	2.63572	0.009169	0.238836
ZNHIT1;EPHB4	0.225898	2.63519	0.009183	0.238876
FAM83H-AS1;LY6H;MAPK15;RHPN1;ZNF623;TOP1MT	-0.30957	-2.63753	0.009122	0.238195
	0.269631	2.637888	0.009113	0.238116
	-0.21728	-2.63314	0.009236	0.239141
CYGB;MXRA7;ST6GALNAC2;SEC14L1;TMC8;TNRC6C;ST6GALNAC1	-0.23383	-2.63719	0.009131	0.238312
	-0.27262	-2.6361	0.009159	0.238695
CEP89	0.458427	2.639971	0.009059	0.237726
	0.291797	2.638807	0.009089	0.237963
PLCG2	-0.49388	-2.63879	0.00909	0.237963
	-0.24652	-2.63783	0.009114	0.238119
	0.289139	2.638539	0.009096	0.238009
GRASP;POU6F1;DAZAP2;ACVRL1;GALNT6;KRT7;ENSG00000257246	0.264204	2.637138	0.009132	0.23833
	0.601993	2.638591	0.009095	0.238009
	0.278596	2.635116	0.009185	0.238876
	0.189715	2.635795	0.009167	0.238836
	0.315553	2.636176	0.009157	0.238689
	0.323378	2.639542	0.00907	0.237805
PLCG2;ENSG00000260682;CDYL2	-0.44907	-2.63691	0.009138	0.238395
COTL1;ENSG00000261471;ATP2C2	-0.47387	-2.63748	0.009123	0.238201
	0.244352	2.633825	0.009218	0.239056
	0.205385	2.636946	0.009137	0.238387
	-0.31279	-2.63769	0.009118	0.238143
	0.374979	2.637541	0.009122	0.238195
CEP55	0.351516	2.638802	0.009089	0.237963
MAPRE3;IFT172;RBKS;AGBL5;CCDC121;SUPT7L	-0.28127	-2.63632	0.009153	0.238636
HHIPL1;SLC25A29	-0.22324	-2.63575	0.009168	0.238836
	0.167859	2.637674	0.009118	0.238143

CAPG	0.192073	2.637709	0.009118	0.238143
	-0.32635	-2.63097	0.009293	0.239784
	-0.22363	-2.63492	0.00919	0.238908
KIF6	-0.23999	-2.63339	0.00923	0.239141
	-0.21128	-2.63533	0.009179	0.238876
	0.202492	2.636834	0.00914	0.238433
GPR55	-0.26874	-2.63627	0.009155	0.238653
	0.345831	2.635211	0.009182	0.238876
	-0.21751	-2.63475	0.009194	0.238948
H3F3A	0.234574	2.637512	0.009123	0.238195
DNMBP	-0.311	-2.63534	0.009179	0.238876
LINC00689	-0.4353	-2.63709	0.009134	0.23835
	0.266977	2.635514	0.009174	0.238838
	0.165374	2.638161	0.009106	0.238069
	-0.22399	-2.63442	0.009203	0.238966
	-0.21816	-2.63557	0.009173	0.238838
CCDC92	-0.29738	-2.63265	0.009249	0.239242
	0.247775	2.636431	0.009151	0.238618
	0.26276	2.63656	0.009147	0.23856
	-0.17102	-2.63531	0.00918	0.238876
C17orf62;WDR45B	0.295475	2.637321	0.009128	0.23825
	0.172366	2.636947	0.009137	0.238387
PDCD6;TRIP13;TPPP	0.294529	2.634754	0.009194	0.238948
	0.185993	2.633804	0.009219	0.239056
	0.228268	2.632112	0.009263	0.239491
	0.311929	2.636483	0.009149	0.238598
	0.255349	2.638557	0.009096	0.238009
	0.385791	2.638222	0.009104	0.238069
	0.318827	2.633944	0.009215	0.239056
PDGFRA;LNX1	0.284161	2.636407	0.009151	0.23862
TFB2M;SCCPDH	-0.40773	-2.634	0.009214	0.239056
MBOAT2	-0.3982	-2.63332	0.009231	0.239141
	0.253078	2.631981	0.009266	0.239507
	-0.25789	-2.63485	0.009192	0.23893
FGD3	0.22992	2.634512	0.0092	0.238958
DEGS2;MEG3;EML1	0.226558	2.635462	0.009176	0.238838
PRR18	-0.24192	-2.63547	0.009176	0.238838
	0.215038	2.634567	0.009199	0.238958
	-0.25641	-2.63503	0.009187	0.238898
MLLT4;THBS2;SMOC2	0.365558	2.634008	0.009213	0.239056
	0.250589	2.633705	0.009221	0.239079
ARHGEF25;ENSG00000224713;PTGES3;BAZ2A;GLI1;ENSG0000				
0257698;LRP1;B4GALNT1;NAB2	0.231681	2.63473	0.009195	0.238948
	-0.24569	-2.63544	0.009176	0.238838
SLC43A2;PITPNA;INPP5K;HIC1	-0.17405	-2.6346	0.009198	0.238958
	0.256254	2.636121	0.009159	0.238695
	0.208254	2.633848	0.009218	0.239056

POLR1C;PEX6;HSP90AB1;RPL7L1;RSPH9;TCTE1;CNPY3	-0.3554	-2.63453	0.0092	0.238958
	0.144086	2.630691	0.0093	0.239851
COL9A2	-0.58858	-2.63205	0.009265	0.239491
	0.24075	2.633988	0.009214	0.239056
ENSG00000260121;SPATA33	-0.30794	-2.63513	0.009184	0.238876
	0.320716	2.636672	0.009144	0.238514
	0.202815	2.634031	0.009213	0.239056
ADAMTS10	0.322584	2.636346	0.009153	0.238636
	0.327604	2.632878	0.009243	0.23916
MNAT1;SIX4;PCNXL4;SIX1;SLC38A6;PRKCH;SNAPC1;TMEM30B	-0.4082	-2.63589	0.009165	0.238822
ENSG00000262877;TMEM105	0.292665	2.634686	0.009196	0.238948
	0.220089	2.636324	0.009153	0.238636
SFT2D1	0.339092	2.63556	0.009173	0.238838
	0.14294	2.635469	0.009175	0.238838
	-0.20056	-2.63144	0.009281	0.239685
	-0.28832	-2.63456	0.009199	0.238958
	0.190626	2.634569	0.009199	0.238958
	0.24863	2.635493	0.009175	0.238838
	-0.23267	-2.63499	0.009188	0.238908
	-0.29218	-2.63387	0.009217	0.239056
	0.156756	2.633777	0.009219	0.239059
RPL7P23	0.188361	2.634696	0.009196	0.238948
CCHCR1;PPP1R10;HLA-F;PPP1R18;HCP5;HLA-E;LTB	0.335071	2.634404	0.009203	0.238966
	0.193525	2.635506	0.009175	0.238838
	-0.207	-2.63062	0.009302	0.239851
FLT4;CNOT6;ENSG00000260841;MGAT1;RNF130	0.353183	2.635726	0.009169	0.238836
	-0.22222	-2.63002	0.009318	0.239977
	0.339781	2.633062	0.009238	0.239154
	-0.32094	-2.63546	0.009176	0.238838
	0.249224	2.636222	0.009156	0.238672
KIF21B	0.172539	2.634261	0.009207	0.239012
	0.304157	2.63551	0.009174	0.238838
	-0.20162	-2.63509	0.009185	0.238876
	0.258156	2.63508	0.009186	0.238876
DNM1P47;ENSG00000259658;CHSY1	-0.37386	-2.631	0.009292	0.239779
NAA60	0.207596	2.63577	0.009168	0.238836
	0.204767	2.63208	0.009264	0.239491
TPPP;ZDHHC11B	0.344373	2.632964	0.009241	0.239154
	-0.3987	-2.63478	0.009193	0.238948
	0.328907	2.634213	0.009208	0.239012
	0.170969	2.633248	0.009233	0.239141
	-0.26524	-2.63451	0.0092	0.238958
	-0.28036	-2.63346	0.009228	0.239132
	-0.28459	-2.6367	0.009144	0.238508
ENSG00000272072	-0.31169	-2.63276	0.009246	0.239194
	0.330263	2.633916	0.009216	0.239056

	-0.33359	-2.63442	0.009203	0.238966
CACNA1C-AS4;NRIP2	0.254192	2.63294	0.009241	0.239154
S100A2;S100A16;S100A14;S100A3	-0.29778	-2.62569	0.009432	0.240999
LINC00338	-0.23271	-2.63492	0.00919	0.238908
HS3ST6;ECI1;PRSS22;IL32	-0.40935	-2.6358	0.009167	0.238836
ARHGEF28	0.35135	2.635184	0.009183	0.238876
	0.141854	2.633756	0.00922	0.239059
IYD;LRP11;RAET1E;PPP1R14C	-0.38386	-2.63367	0.009222	0.239079
HIST1H3A	0.292015	2.633948	0.009215	0.239056
POLD3;PPME1;MRPL48;C2CD3;KCNE3;DNAJB13;PGM2L1;UCP2	0.254241	2.631349	0.009283	0.239693
	-0.36526	-2.62921	0.009339	0.240034
NLRC5;GPR114;MT1E	-0.29387	-2.63556	0.009173	0.238838
OLFML3	0.288608	2.635107	0.009185	0.238876
	0.238566	2.631636	0.009275	0.239639
	-0.24288	-2.6309	0.009295	0.239817
	0.221597	2.627168	0.009393	0.240516
	0.314226	2.629317	0.009336	0.240028
	0.329277	2.634218	0.009208	0.239012
	0.345479	2.633182	0.009235	0.239141
	-0.36338	-2.63037	0.009309	0.239935
DUOXA1;TP53BP1;DUOX1;FRMD5	-0.39737	-2.63254	0.009252	0.239303
TMC8;C1QTNF1;CBX2;TMC6;USP36;TIMP2	0.400247	2.634435	0.009202	0.238966
	0.234912	2.633633	0.009223	0.239079
	-0.19272	-2.63182	0.009271	0.239574
	-0.21874	-2.63439	0.009204	0.238966
ARAP1;ATG16L2;MRPL48;RELT;PDE2A;COA4	-0.27995	-2.6349	0.00919	0.238908
	-0.31556	-2.63387	0.009217	0.239056
	-0.32557	-2.63364	0.009223	0.239079
	-0.19396	-2.63247	0.009254	0.239333
	-0.40079	-2.62994	0.00932	0.23998
DNM1P46;ENSG00000259363;SYNM;TTC23;ENSG00000261616	-0.40798	-2.63391	0.009216	0.239056
KLHDC7A;AKR7A2;ARHGEF10L	0.343141	2.630381	0.009308	0.239935
	0.204931	2.634236	0.009208	0.239012
	-0.36827	-2.63127	0.009285	0.239693
	-0.19601	-2.62973	0.009325	0.23998
	-0.29715	-2.63291	0.009242	0.239155
GPR133;RAN;ULK1	-0.46349	-2.63294	0.009241	0.239154
	-0.34952	-2.63352	0.009226	0.239105
CEP170B;CRIP2	-0.29572	-2.6314	0.009282	0.239686
	0.302699	2.633146	0.009236	0.239141
	0.273376	2.631998	0.009266	0.239507
	-0.27157	-2.63296	0.009241	0.239154
MYH9;IFT27;LGALS1;ANKRD54;CDC42EP1	-0.18262	-2.63158	0.009277	0.239646
	0.1173	2.633402	0.009229	0.239141
	0.326464	2.633256	0.009233	0.239141

CDHR3;EFCAB10	-0.32346	-2.63206	0.009264	0.239491
APBB2;RBM47;LIMCH1	0.224646	2.633208	0.009234	0.239141
TNXB;SLC44A4;NOTCH4;CLIC1;NELFE;C6orf25;C6orf10;DDAH2;				
PSMB8;BAG6;VWA7;FKBPL	-0.28474	-2.63022	0.009313	0.239967
PNMAL2	0.206432	2.633599	0.009224	0.239079
	-0.19578	-2.63116	0.009288	0.239711
	-0.19773	-2.63332	0.009231	0.239141
LRRC71;HDGF;SYT11;NES;MEX3A;IQGAP3	-0.31655	-2.63316	0.009236	0.239141
	0.146273	2.63284	0.009244	0.23917
	-0.22706	-2.63293	0.009242	0.239154
	0.35232	2.635088	0.009185	0.238876
	-0.2398	-2.63124	0.009286	0.239693
MAATS1	-0.40087	-2.63166	0.009275	0.239639
	-0.19068	-2.63362	0.009224	0.239079
PRPSAP1	-0.31001	-2.63194	0.009268	0.239522
	-0.24993	-2.63059	0.009303	0.239855
	-0.2107	-2.6296	0.009329	0.23998
	-0.31112	-2.63267	0.009248	0.239242
	-0.25734	-2.63304	0.009239	0.239154
	-0.30615	-2.6314	0.009282	0.239686
	0.422193	2.629983	0.009319	0.239977
PIK3R5	-0.15879	-2.62907	0.009343	0.240055
ZFP90;PSMB10;CDH1;HAS3;NIP7;SLC12A4;NFATC3	-0.46271	-2.63127	0.009285	0.239693
S100PBP	-0.31507	-2.63325	0.009233	0.239141
C2orf54	0.311285	2.633174	0.009235	0.239141
ENSG00000259363	-0.28222	-2.63207	0.009264	0.239491
PIGU	0.22233	2.63108	0.00929	0.239741
	-0.14969	-2.62988	0.009322	0.23998
	-0.23765	-2.63	0.009319	0.239977
	-0.23821	-2.63293	0.009242	0.239154
	0.273996	2.630639	0.009302	0.239851
	-0.26971	-2.63064	0.009302	0.239851
CASP3;PDLIM3;IRF2	0.323451	2.63356	0.009225	0.239091
	0.204689	2.631598	0.009276	0.239646
	-0.31387	-2.6302	0.009313	0.239967
	-0.2814	-2.63282	0.009244	0.23917
	0.197523	2.629312	0.009337	0.240028
	0.306437	2.62943	0.009333	0.240028
CSRP1;LMOD1;NR5A2;C1orf106;IPO9;NAV1	-0.2686	-2.62818	0.009366	0.240279
CLIP1;RNF10	-0.24252	-2.63399	0.009214	0.239056
LGALS9	-0.269	-2.63149	0.009279	0.239684
	-0.37148	-2.62897	0.009345	0.24008
VAMP8;DNAH6	-0.51385	-2.63082	0.009297	0.239851
	-0.43029	-2.62972	0.009326	0.23998
	0.270588	2.632119	0.009263	0.239491
CLEC10A;BCL6B;ACAP1	-0.42783	-2.63021	0.009313	0.239967
LAP3	-0.25275	-2.6307	0.0093	0.239851

PDCD6;TRIP13;TPPP;LPCAT1;ENSG00000188242;MRPL36	-0.50673	-2.62886	0.009349	0.24008
	-0.20904	-2.63063	0.009302	0.239851
	0.212551	2.630148	0.009315	0.239967
	-0.22563	-2.62857	0.009356	0.240161
HLA-DQB1	0.170814	2.63117	0.009288	0.239711
LILRA1;LILRB1;LILRB2	-0.33219	-2.62622	0.009419	0.240831
	-0.79265	-2.622	0.009531	0.241862
	-0.27315	-2.62887	0.009348	0.24008
	0.276296	2.631639	0.009275	0.239639
LRCH3	-0.17067	-2.62526	0.009444	0.241147
DYRK3;CR1;PIGR;CR1L	-0.31518	-2.62794	0.009373	0.24034
	-0.5102	-2.63132	0.009284	0.239693
	0.256794	2.629122	0.009342	0.240052
	0.321375	2.628142	0.009367	0.240287
	-0.57304	-2.63147	0.00928	0.239684
WDR63;MCOLN3	0.265351	2.63037	0.009309	0.239935
	0.370974	2.631236	0.009286	0.239693
TPPP;ZDHHC11B	0.327919	2.628846	0.009349	0.24008
FLI1;ARHGAP32;TMEM45B;TP53AIP1;ETS1;SENCR	-0.33787	-2.63057	0.009304	0.239857
	0.291118	2.63016	0.009314	0.239967
ENSG00000231980	0.2635	2.630183	0.009314	0.239967
LDLRAD1;TCEANC2;TMEM59;ENSG00000197015;TTC22;DHCR24;SSBP3;C1orf177;ENSG00000237611	-0.40631	-2.63205	0.009265	0.239491
ZDHHC13	0.291535	2.630251	0.009312	0.239967
MATN3	-0.2528	-2.62964	0.009328	0.23998
LGALS1;IL2RB;NPTXR;MFNG;CBX7	-0.37067	-2.62937	0.009335	0.240028
	-0.26437	-2.63125	0.009286	0.239693
	-0.24216	-2.63172	0.009273	0.239625
SFMBT2;ITIH5	-0.38946	-2.62524	0.009445	0.24115
	0.249849	2.627801	0.009376	0.240407
SLC30A4;DUOXA1	0.395548	2.629673	0.009327	0.23998
	0.209106	2.632235	0.00926	0.239465
	-0.22126	-2.62932	0.009336	0.240028
PIK3C2B;LAX1;MDM4	0.252236	2.63311	0.009237	0.239149
TRANK1	0.260719	2.630048	0.009317	0.239977
	0.187222	2.631145	0.009288	0.239711
	-0.34888	-2.62954	0.009331	0.23999
RARB	0.361977	2.632435	0.009255	0.239344
AQP4;SS18	-0.27536	-2.62964	0.009328	0.23998
	0.290237	2.630721	0.009299	0.239851
	0.234074	2.628762	0.009351	0.240083
	0.201455	2.629249	0.009338	0.240034
	-0.30307	-2.63019	0.009313	0.239967
	-0.18731	-2.62961	0.009329	0.23998
SCARF1;MYO1C;NXN;PITPNA;FAM101B;YWHAE;ENSG00000262003;SLC43A2	0.365771	2.62972	0.009326	0.23998
	-0.35455	-2.62828	0.009364	0.240263

TPCN2;ANO1;MRGPRF;CTTN;IGHMBP2	-0.46311	-2.62729	0.00939	0.240478
	-0.25182	-2.62803	0.009371	0.240308
	-0.35319	-2.62879	0.00935	0.240083
	-0.18569	-2.63075	0.009299	0.239851
CELSR1;CERK;WNT7B;ENSG00000234869;RIBC2	0.409241	2.630653	0.009301	0.239851
	-0.28781	-2.63005	0.009317	0.239977
	0.168183	2.629276	0.009338	0.240034
MRVI1;ZBED5;EIF4G2	-0.45509	-2.62459	0.009462	0.241347
	0.221019	2.626796	0.009403	0.24063
SYNRG;PLXDC1	0.281831	2.628957	0.009346	0.24008
C14orf2	0.304379	2.631863	0.00927	0.239558
	0.240765	2.630809	0.009297	0.239851
SCARB1	0.277733	2.630029	0.009318	0.239977
	0.174389	2.626527	0.00941	0.240735
RHOJ;HSPA2;ENSG00000272909	0.294054	2.627628	0.009381	0.240434
	0.264426	2.628328	0.009363	0.240263
	0.965269	2.630366	0.009309	0.239935
	0.173219	2.629378	0.009335	0.240028
	0.400505	2.629595	0.009329	0.23998
JAM3	-0.39142	-2.63146	0.00928	0.239684
	-0.39882	-2.62885	0.009349	0.24008
	0.315528	2.624764	0.009457	0.24131
	0.256913	2.627233	0.009392	0.2405
	-0.32268	-2.62805	0.00937	0.240308
SPG11;B2M;SHF	0.306134	2.629768	0.009325	0.23998
	-0.45102	-2.6294	0.009334	0.240028
FKBP10;GHDC;CNTNAP1	0.272091	2.629197	0.00934	0.240034
	-0.29164	-2.62938	0.009335	0.240028
	0.243972	2.627781	0.009377	0.240407
	0.395457	2.629918	0.009321	0.23998
	-0.28934	-2.62473	0.009458	0.24131
ENSG00000226791;INPP4A;CNGA3;ATP5BP1	-0.32581	-2.62913	0.009341	0.240052
	0.230603	2.628627	0.009355	0.240146
	-0.18409	-2.62804	0.00937	0.240308
	0.184393	2.62682	0.009402	0.24063
ANPEP	-0.3216	-2.62894	0.009346	0.24008
PARK7;ENO1;RPL7P11	0.410247	2.630116	0.009315	0.239974
MFNG;LGALS1;SOX10;CBX7;SUN2;CARD10	-0.35568	-2.62766	0.00938	0.240431
	0.294482	2.6265	0.009411	0.240739
	-0.22596	-2.62904	0.009344	0.240055
PARD6B;DPM1	-0.34037	-2.62905	0.009344	0.240055
	-0.35531	-2.62911	0.009342	0.240052
GGT5	-0.29766	-2.62805	0.00937	0.240308
LACE1;ARMC2	0.193935	2.628335	0.009362	0.240263
	-0.35539	-2.62693	0.0094	0.240609
ENSG00000237478;AGBL4;ENSG00000235105;PPP1R8P1;ENSG00000272491	0.223868	2.628541	0.009357	0.240161

	0.228167	2.629629	0.009328	0.23998
	0.28768	2.625715	0.009432	0.240999
	0.289619	2.627313	0.009389	0.240478
	0.305011	2.626827	0.009402	0.24063
	0.244654	2.625141	0.009447	0.241202
	-0.29806	-2.62979	0.009324	0.23998
	0.344925	2.629833	0.009323	0.23998
	0.233315	2.629223	0.009339	0.240034
HES2;ICMT;CHD5;CAMTA1;THAP3;ESPN	-0.49597	-2.62741	0.009387	0.240455
	0.383521	2.625458	0.009439	0.241116
	0.29423	2.628309	0.009363	0.240263
	0.188167	2.628204	0.009366	0.240279
GPR133	0.345737	2.62883	0.009349	0.24008
	-0.27213	-2.6242	0.009472	0.241449
ANXA2P2;UNC13B;STOML2;DCTN3;VCP;FAM219A	-0.26137	-2.62542	0.00944	0.241119
RASAL3;DNAJB1	-0.45723	-2.6272	0.009392	0.240511
	-0.39675	-2.62259	0.009515	0.241756
	-0.31885	-2.62641	0.009413	0.240741
	0.210026	2.627322	0.009389	0.240478
	0.409855	2.628656	0.009354	0.24014
	0.280233	2.625356	0.009441	0.241119
	0.291366	2.628762	0.009351	0.240083
	0.360233	2.629622	0.009328	0.23998
	0.258483	2.628304	0.009363	0.240263
	0.164989	2.627494	0.009385	0.240451
	0.246832	2.62705	0.009396	0.240567
	0.277575	2.629573	0.00933	0.239981
SMARCD3;CHPF2	0.206663	2.626788	0.009403	0.24063
	-0.17346	-2.62759	0.009382	0.240443
	0.224101	2.626377	0.009414	0.240751
IL18R1;ENSG00000271532	0.214641	2.625661	0.009433	0.241007
ARHGEF10	0.193439	2.622111	0.009528	0.24185
	-0.42746	-2.62795	0.009373	0.24034
	0.281916	2.626701	0.009406	0.24066
	-0.21385	-2.62666	0.009407	0.240674
	0.204679	2.623608	0.009488	0.241606
ECHS1;ADAM8	0.298607	2.624185	0.009473	0.241449
	-0.24187	-2.62771	0.009379	0.240422
TRAC	0.417906	2.627754	0.009378	0.240407
	-0.30349	-2.62973	0.009325	0.23998
	0.239897	2.6275	0.009384	0.240451
	0.272947	2.624811	0.009456	0.241297
	-0.35026	-2.62743	0.009386	0.240455
HLA-DMB;TAP1;HLA-DOA;HLA-B;HLA-DQB2;HLA-DRA;HLA-DMA;HCP5;PSMB9;HLA-C;PSMB8	0.307626	2.624289	0.00947	0.241449
	0.166403	2.626763	0.009404	0.240633
TSPY26P	-0.37943	-2.62856	0.009356	0.240161

SEC11C;ZNF532;NEDD4L;ATP8B1;NARS	-0.30492	-2.62313	0.009501	0.241681
	-0.23379	-2.62578	0.00943	0.240993
KRTCAP3;KHK	-0.37649	-2.62748	0.009385	0.240451
FBLN2;FGD5;ZFYVE20;GRIP2	-0.22577	-2.62065	0.009568	0.242259
LSP1	-0.19125	-2.62741	0.009387	0.240455
CYBA;SNAI3	-0.24985	-2.62818	0.009367	0.240279
	-0.55138	-2.62688	0.009401	0.240624
	0.172093	2.627654	0.00938	0.240431
	0.255438	2.627063	0.009396	0.240567
	0.218989	2.626597	0.009408	0.240702
	-0.24764	-2.62249	0.009518	0.241756
BCL6B;ARHGEF15;CLDN7;ATP1B2;CTC1	-0.23547	-2.62548	0.009438	0.241114
	0.362923	2.627573	0.009383	0.240443
	-0.27427	-2.62696	0.009399	0.240597
	-0.19597	-2.62589	0.009427	0.24094
	0.254078	2.628181	0.009366	0.240279
	0.146637	2.621812	0.009536	0.241886
ENSG00000264527;SNAPC4;PPP1R26-AS1	-0.26548	-2.61994	0.009587	0.242391
	-0.29838	-2.62751	0.009384	0.240451
MRPL42;SOCS2;SOCS2-AS1;FGD6;UBE2N;NUDT4;CCDC41	-0.43277	-2.62424	0.009471	0.241449
	0.303954	2.62364	0.009487	0.241606
	0.208743	2.622461	0.009519	0.241756
	0.28967	2.623127	0.009501	0.241681
	0.171936	2.623695	0.009486	0.241596
	0.240668	2.626137	0.009421	0.240843
	-0.38147	-2.62407	0.009476	0.241472
SUN1;PSMG3	-0.54365	-2.62643	0.009413	0.240741
SYNRG	-0.34902	-2.62321	0.009499	0.241654
STK10;DUSP1;BNIP1	0.339002	2.627005	0.009398	0.240583
	0.21173	2.625349	0.009442	0.241119
	0.208539	2.6224	0.00952	0.241756
ENSG00000214784	-0.32447	-2.62504	0.00945	0.241236
SIT1;RMRP	-0.1813	-2.62192	0.009533	0.241864
SORBS2;CCDC110;LRP2BP;C4orf47;ENSG00000233110	-0.27631	-2.62533	0.009442	0.241119
	0.319834	2.622662	0.009513	0.241739
	0.219766	2.627774	0.009377	0.240407
	-0.15353	-2.62641	0.009413	0.240741
	-0.33692	-2.62354	0.00949	0.241606
STX18;SH3BP2	-0.46935	-2.62337	0.009494	0.241625
	-0.36809	-2.62402	0.009477	0.241474
NDUFB3	0.321445	2.623544	0.00949	0.241606
	0.305281	2.62603	0.009423	0.240885
	0.299716	2.625969	0.009425	0.240913
	0.305728	2.623308	0.009496	0.241625
	0.281117	2.621732	0.009538	0.241898
	-0.22464	-2.62611	0.009421	0.240844

	-0.36135	-2.62372	0.009485	0.241595
	-0.28565	-2.62251	0.009517	0.241756
	0.338967	2.626135	0.009421	0.240843
	-0.22957	-2.62648	0.009412	0.240741
	-0.2428	-2.62577	0.00943	0.240993
	0.304322	2.626346	0.009415	0.240757
	-0.16073	-2.62456	0.009463	0.241354
HCN4;CCDC33;BBS4;LOXL1;SEMA7A;PML;CYP11A1	0.33107	2.624839	0.009455	0.241292
	-0.24606	-2.62453	0.009464	0.241356
	-0.28173	-2.62333	0.009495	0.241625
	-0.24148	-2.61363	0.009758	0.244061
	0.259145	2.624728	0.009458	0.24131
	0.164049	2.624627	0.009461	0.241347
OARD1	-0.33162	-2.62413	0.009474	0.24146
	0.287519	2.627287	0.00939	0.240478
	0.17448	2.618689	0.00962	0.24277
	-0.25194	-2.62488	0.009454	0.241277
HLA-DMA;HLA-DOA;HLA-DMB;TAP2;TAP1;HLA-DPA1;HLA-DPB1;PSMB9;HLA-DRA;HLA-DOB;TAPSAR1;GPSM3	0.266369	2.624374	0.009468	0.241407
DPY19L2;RPL14P1	-0.17957	-2.62398	0.009478	0.241474
	-0.1912	-2.61867	0.009621	0.24277
PDCD6;LPCAT1;TPPP;TRIP13;NKD2;ENSG00000188002	-0.34836	-2.62206	0.00953	0.24185
	-0.20212	-2.62359	0.009489	0.241606
	0.273846	2.623376	0.009494	0.241625
	0.405776	2.624984	0.009451	0.241236
	-0.27499	-2.62342	0.009493	0.241625
CXCL12	-0.27317	-2.62327	0.009497	0.241625
	0.323388	2.62449	0.009464	0.241356
	0.312702	2.623538	0.00949	0.241606
	0.254602	2.623385	0.009494	0.241625
IFT20;KIAA0100;ENSG00000264469	-0.28032	-2.62419	0.009472	0.241449
	-0.15591	-2.62535	0.009441	0.241119
ENSG00000272686	-0.38778	-2.61942	0.009601	0.24249
	0.203064	2.624589	0.009462	0.241347
	0.197268	2.621336	0.009549	0.242068
	0.21711	2.619057	0.009611	0.242574
	0.216294	2.623297	0.009496	0.241625
EMR3	-0.24058	-2.62279	0.00951	0.241724
	0.30802	2.620509	0.009571	0.242282
	-0.23537	-2.62295	0.009506	0.241703
ENSG00000233836	0.22547	2.626182	0.009419	0.24084
	-0.25781	-2.62299	0.009505	0.241703
	0.238381	2.62261	0.009515	0.241756
TRIM27;GABBR1;PGBD1;ZNF165;HLA-F-AS1;ZKSCAN8	-0.31655	-2.62446	0.009465	0.241364
	0.316843	2.624106	0.009475	0.24146

TSGA10;KIAA1211L;ENSG00000231822;ENSG00000273045	-0.32819	-2.62425	0.009471	0.241449
	0.302616	2.62451	0.009464	0.241356
	-0.35489	-2.62464	0.00946	0.241347
	-0.17452	-2.62295	0.009506	0.241703
	-0.36399	-2.62503	0.00945	0.241236
TMEM255B;CDC16;ADPRHL1	-0.65982	-2.62533	0.009442	0.241119
NDRG1;WISP1;TG	-0.31566	-2.62489	0.009454	0.241277
	-0.25929	-2.62398	0.009478	0.241474
ZNF471	0.27715	2.622184	0.009526	0.241834
	-0.18062	-2.62043	0.009573	0.242282
CALHM2;USMG5;NT5C2;LDB1;KCNIP2;MGEA5;FBXW4;DPCD;ARL3;SUFU;ENSG00000269609	-0.37685	-2.62411	0.009475	0.24146
	-0.30549	-2.62394	0.009479	0.241483
NXPH3;COL1A1;SGCA	0.200249	2.624988	0.009451	0.241236
	0.13213	2.624026	0.009477	0.241474
	0.152331	2.621862	0.009535	0.241867
KANK4;INADL	-0.53494	-2.62571	0.009432	0.240999
CLCC1	-0.34887	-2.62278	0.00951	0.241724
	-0.15697	-2.62207	0.009529	0.24185
	0.182557	2.61974	0.009592	0.242411
CBFA2T2;SNTA1;BPIFB1	-0.33389	-2.62223	0.009525	0.241829
	0.244452	2.622812	0.009509	0.241724
AP1M2;ZNF440;SMARCA4	0.290758	2.620926	0.00956	0.242175
	0.264711	2.62078	0.009564	0.242203
	-0.35777	-2.62499	0.009451	0.241236
FAM229B;ENSG00000226440;LAMA4;ENSG00000271208;ENSG00000237234;ENSG00000270661;KIAA1919	-0.27227	-2.61716	0.009662	0.243149
	0.335431	2.623532	0.00949	0.241606
	-0.40749	-2.62236	0.009521	0.241756
	-0.34744	-2.6212	0.009553	0.242076
	0.283697	2.622061	0.00953	0.24185
	0.313647	2.621915	0.009533	0.241864
	0.145811	2.621302	0.00955	0.242076
LIMS2;GPR17;MYO7B	-0.36912	-2.61707	0.009664	0.243149
	0.221248	2.625922	0.009426	0.24093
	0.272714	2.621896	0.009534	0.241864
NEURL1B	0.235509	2.623004	0.009504	0.241703
	0.233334	2.622768	0.009511	0.241724
	-0.39258	-2.61363	0.009759	0.244061
	-0.49352	-2.622	0.009531	0.241862
	-0.18035	-2.61978	0.009591	0.242411
	-0.23648	-2.62246	0.009519	0.241756
	0.281489	2.621354	0.009549	0.242068
	0.239095	2.623009	0.009504	0.241703
THEMIS2	-0.40759	-2.62392	0.00948	0.241484
	0.246713	2.621972	0.009532	0.241864

	0.196946	2.621772	0.009537	0.241886
HIF3A;NOVA2;DACT3;MEIS3;PNMAL2;PRR24;FOXA3;DMPK;PT				
GIR	0.315952	2.622557	0.009516	0.241756
	0.16461	2.623295	0.009496	0.241625
	0.13186	2.622843	0.009509	0.241724
	0.317708	2.622842	0.009509	0.241724
ENSG00000272054	-0.37969	-2.6224	0.00952	0.241756
RPL27	-0.23372	-2.6205	0.009572	0.242282
	-0.32627	-2.62189	0.009534	0.241864
	-0.35227	-2.6196	0.009596	0.242463
	-0.47866	-2.62342	0.009493	0.241625
	-0.22435	-2.62269	0.009513	0.241739
	0.228955	2.619491	0.009599	0.242481
	0.233592	2.623848	0.009482	0.24152
	0.376981	2.620186	0.00958	0.242359
	0.319122	2.621265	0.009551	0.242076
HSP90AA1;CKB;ENSG00000259508;ENSG00000270108;EIF5;EN				
SG00000246451	-0.30986	-2.62243	0.00952	0.241756
	0.336156	2.622671	0.009513	0.241739
LPCAT1;PDCD6;TRIP13	-0.36825	-2.62032	0.009576	0.242314
	0.335678	2.623289	0.009497	0.241625
ENSG00000271553	0.162276	2.6215	0.009545	0.242
	0.215736	2.62296	0.009505	0.241703
	0.294622	2.619482	0.009599	0.242481
	-0.21787	-2.62114	0.009554	0.242085
CCDC19;CADM3;IFI16;DARC;ENSG00000225670;ATP1A2;PEA1				
5;PEX19;VANGL2;NCSTN;IGSF9;AIM2	-0.39761	-2.62051	0.009571	0.242282
	0.219978	2.61999	0.009585	0.242384
C17orf62;WDR45B;MAFG-AS1;BAIAP2-AS1;PCYT2	0.311746	2.621376	0.009548	0.242068
	-0.30987	-2.62255	0.009516	0.241756
SDK2	-0.34219	-2.62039	0.009574	0.242297
	-0.25983	-2.62018	0.00958	0.242359
	-0.39284	-2.621	0.009558	0.242141
	0.2041	2.62164	0.009541	0.241933
	0.147162	2.619809	0.00959	0.242411
SIRPA;CPXM1	0.399122	2.620083	0.009583	0.242364
ENSG00000188242;PDCD6;SDHA	0.26457	2.622897	0.009507	0.241722
	-0.21143	-2.61889	0.009615	0.242665
	0.398158	2.619505	0.009598	0.242481
	0.182688	2.62009	0.009583	0.242364
	0.240818	2.620545	0.00957	0.242282
	0.203756	2.618246	0.009633	0.242902
	0.308121	2.623062	0.009503	0.241703
PTGDS;LCNL1;UAP1L1;RNF224;TUBB4B;SLC34A3;C9orf169	0.338881	2.62079	0.009564	0.242203
	0.20052	2.617805	0.009644	0.242945
	0.223985	2.620111	0.009582	0.242364

	0.296392	2.621207	0.009553	0.242076
	0.263837	2.620834	0.009563	0.242203
RASA4;POLR2J;PMPCB	-0.25272	-2.62044	0.009573	0.242282
	0.303843	2.62178	0.009537	0.241886
	0.306042	2.61958	0.009596	0.242463
SH3YL1	-0.24535	-2.62078	0.009564	0.242203
DENND3	-0.50692	-2.62102	0.009558	0.242141
MICE	-0.18408	-2.62221	0.009526	0.241834
	0.20427	2.614258	0.009741	0.243991
	-0.3228	-2.62117	0.009553	0.24208
	0.371038	2.622703	0.009512	0.241739
TNIK	0.225569	2.61921	0.009606	0.242515
	0.349556	2.61788	0.009642	0.242934
KIAA1211L;ZAP70;TSGA10;TXNDC9	-0.52084	-2.61939	0.009601	0.242492
VDAC3	0.204069	2.618167	0.009635	0.242928
	0.244814	2.615469	0.009708	0.243614
IQCA1	-0.33328	-2.62084	0.009562	0.242203
	0.294217	2.617911	0.009642	0.242934
NRXN2;PYGM;HRASLS2	-0.26065	-2.61988	0.009588	0.242402
NEK5;THSD1	-0.31733	-2.61841	0.009628	0.242846
UNC93B1;ALDH3B1;FAM86C2P;ENSG00000255306;PITPNM1;R				
BM14;GSTP1;ENSG00000254610;AIP;CCS	-0.37285	-2.62005	0.009584	0.24237
	0.278338	2.617672	0.009648	0.243008
CLUAP1;ENSG00000272079;CLDN9;TNFRSF12A	-0.29969	-2.61733	0.009657	0.243116
	-0.33444	-2.62064	0.009568	0.242259
	-0.17252	-2.61921	0.009606	0.242515
	0.283083	2.62212	0.009528	0.24185
	-0.44092	-2.61941	0.009601	0.24249
FAM179A;ENSG00000226833	-0.24751	-2.61977	0.009591	0.242411
MEAF6;MTF1;ENSG00000224592;YRDC	-0.33208	-2.61904	0.009611	0.242574
	-0.30274	-2.62105	0.009557	0.242132
	0.255639	2.621583	0.009542	0.241957
	-0.27118	-2.62073	0.009565	0.242221
	-0.28271	-2.618	0.009639	0.242934
RQCD1;SPEG;STK11IP;STK16;GLB1L;TTLL4;ZNF142	-0.23176	-2.61737	0.009656	0.243103
	0.221001	2.622371	0.009521	0.241756
CSF1;KCND3	-0.34941	-2.62055	0.00957	0.242282
	-0.22773	-2.61566	0.009703	0.243581
SFT2D1	-0.30704	-2.62165	0.009541	0.241933
	-0.31747	-2.6181	0.009636	0.242934
ENSG00000259732	0.230745	2.616511	0.00968	0.243287
	-0.31672	-2.61994	0.009587	0.242391
	-0.48666	-2.61922	0.009606	0.242515
	0.220129	2.621213	0.009552	0.242076
	-0.201	-2.61791	0.009642	0.242934
TSPAN32	-0.33437	-2.62002	0.009585	0.242379
PHOSPHO1	0.18179	2.615753	0.0097	0.243561

ENSG00000253671	-0.15748	-2.61738	0.009656	0.243103
NOS3;ATG9B;WDR86-AS1;LINC01003;CDK5	-0.33516	-2.61834	0.00963	0.242869
	-0.25975	-2.6156	0.009704	0.243584
TDRP	0.318862	2.62126	0.009551	0.242076
	0.297488	2.61853	0.009625	0.242821
RNF166	0.281083	2.619811	0.00959	0.242411
	0.279375	2.617926	0.009641	0.242934
	0.314735	2.618752	0.009619	0.242743
	-0.25137	-2.61616	0.009689	0.243399
	0.343219	2.617434	0.009655	0.243103
TMEM108;AMOTL2;SRPRB	0.203995	2.617048	0.009665	0.243149
	0.22094	2.619335	0.009603	0.242501
GALNS	-0.40299	-2.61595	0.009695	0.243487
	0.241197	2.619287	0.009604	0.242515
	-0.27378	-2.62024	0.009579	0.242359
	0.189313	2.618566	0.009624	0.242812
	-0.27125	-2.61947	0.009599	0.242481
TMEM80	-0.2274	-2.61726	0.009659	0.243145
	0.264111	2.620461	0.009573	0.242282
	-0.21186	-2.61191	0.009806	0.244283
SENP7	-0.43723	-2.62017	0.00958	0.242359
	0.327854	2.617843	0.009643	0.242934
	-0.31271	-2.61968	0.009594	0.242436
	-0.23607	-2.61717	0.009662	0.243149
KIAA1841	0.186414	2.617166	0.009662	0.243149
ZSCAN12;HCG14	-0.32305	-2.61709	0.009664	0.243149
	0.252256	2.618442	0.009627	0.242846
	0.348516	2.61804	0.009638	0.242934
TBX2;METTL2A;TBX4;ENSG00000267280	-0.26198	-2.61515	0.009717	0.243788
	0.339609	2.619608	0.009596	0.242463
	0.310967	2.620134	0.009581	0.242364
HN1L;UBE2I;CACNA1H;RNPS1;CCDC78	0.368548	2.617894	0.009642	0.242934
	-0.16989	-2.6168	0.009672	0.243207
	0.206477	2.616913	0.009669	0.243193
	0.305237	2.61851	0.009625	0.242821
	-0.2773	-2.62035	0.009576	0.24231
PCDHB7;PCDHGA2;PCDHB9;PCDH1;PCDHGA3;PCDHB5	-0.21383	-2.61975	0.009592	0.242411
	-0.22441	-2.61186	0.009807	0.244293
	0.238478	2.615736	0.009701	0.243561
	-0.34195	-2.61745	0.009654	0.243103
	-0.24729	-2.61839	0.009629	0.242846
SMOC2;THBS2;PHF10	0.341756	2.617546	0.009651	0.24308
ENSG00000236548	0.309523	2.615048	0.00972	0.243794
	0.403895	2.619126	0.009609	0.242558
KIAA1211L;TSGA10	0.341984	2.61927	0.009605	0.242515
	0.265087	2.618402	0.009628	0.242846

ENSG00000248222;SLIT3;KCNMB1;FOXI1;ENSG00000249601	-0.25196	-2.61813	0.009636	0.242934
	0.270898	2.615577	0.009705	0.243584
	0.269489	2.619351	0.009603	0.242501
	-0.24401	-2.61752	0.009652	0.243087
	0.179002	2.617674	0.009648	0.243008
	-0.15308	-2.61713	0.009663	0.243149
	0.412223	2.619893	0.009588	0.242402
	-0.2963	-2.61076	0.009837	0.244495
	0.230399	2.616261	0.009686	0.243389
	-0.28076	-2.61859	0.009623	0.242809
	-0.38207	-2.61909	0.00961	0.242571
WDR35	0.2445	2.616879	0.00967	0.243193
	-0.17178	-2.61715	0.009662	0.243149
	-0.30439	-2.61564	0.009704	0.243584
CD160	-0.27567	-2.61792	0.009641	0.242934
	-0.32809	-2.61817	0.009635	0.242928
	-0.20717	-2.61307	0.009774	0.244075
	0.399796	2.616119	0.00969	0.243406
SPATS2;FKBP11	0.15748	2.615109	0.009718	0.243794
	-0.31488	-2.61606	0.009692	0.243422
	0.154508	2.614232	0.009742	0.243991
	-0.3174	-2.61378	0.009754	0.244061
	0.148894	2.613727	0.009756	0.244061
	-0.30583	-2.61807	0.009637	0.242934
	0.228656	2.61807	0.009637	0.242934
	-0.31441	-2.61628	0.009686	0.243389
C10orf128	0.330786	2.617384	0.009656	0.243103
	0.354678	2.617855	0.009643	0.242934
NRXN2;RASGRP2;MAP4K2;CCDC88B;FERMT3;STIP1;PYGM;PRDX5	-0.19746	-2.61471	0.009729	0.243905
CTSW;BATF2;SLC25A45;SIPA1;NRXN2	0.493468	2.616107	0.009691	0.243406
	-0.18697	-2.61714	0.009663	0.243149
	0.24058	2.61464	0.009731	0.243911
	0.328146	2.61617	0.009689	0.243399
	0.17226	2.61662	0.009677	0.24327
	0.344169	2.614179	0.009743	0.243991
BAIAP2;PCYT2;SLC25A10;CCDC40;NOTUM	-0.27234	-2.61439	0.009738	0.243968
	0.427034	2.617403	0.009655	0.243103
ENSG00000260257	0.276404	2.613184	0.009771	0.244075
LTBP4;CEACAM3;GRIK5;DEDD2;AXL;PRX;CEACAM6	-0.29621	-2.61483	0.009726	0.243853
PIGU;ERGIC3;DYNLRB1;MMP24-AS1;GSS;ITCH	-0.35139	-2.61707	0.009664	0.243149
	0.237751	2.615878	0.009697	0.243506
	-0.27079	-2.61689	0.009669	0.243193
	-0.18646	-2.61789	0.009642	0.242934
	-0.25656	-2.61096	0.009832	0.24447
	0.318802	2.616686	0.009675	0.243239

MEDAG	0.341247	2.613265	0.009768	0.244075
GABBR1;TRIM31;GNL1;MDC1;NRM;TRIM26;DDR1;DHX16;PPP1R11;HLA-A;HLA-F-AS1;PPP1R18	0.428816	2.614075	0.009746	0.244027
	0.323371	2.618274	0.009632	0.242897
PADI1;ARHGEF10L;SDHB	-0.36486	-2.61365	0.009758	0.244061
	-0.18398	-2.6139	0.009751	0.244061
ACAP1;ALOX12P2;KCTD11;KIAA0753;CLEC10A;TNFSF12;ENSG00000263316;BCL6B;CYB5D1;SLC16A13;FAM64A;WRAP53;EFNB3	-0.18652	-2.61677	0.009672	0.243208
	-0.33094	-2.61383	0.009753	0.244061
	0.133025	2.615306	0.009713	0.243712
	0.246121	2.614627	0.009731	0.243911
FAM83H-AS1;RHPN1-AS1;GPIHBP1;FAM83H;TSTA3;EXOSC4	-0.31176	-2.61366	0.009758	0.244061
	0.329821	2.613651	0.009758	0.244061
	0.286173	2.611824	0.009808	0.244293
EFTUD1P1;GOLGA2P7;UBE2Q2P1;TM6SF1	0.297754	2.616244	0.009687	0.243389
	-0.19655	-2.61655	0.009679	0.243287
	0.179903	2.616196	0.009688	0.243399
GAS8	-0.23548	-2.61451	0.009734	0.243944
	-0.1934	-2.61548	0.009708	0.243614
PDGFB;MFNG;C22orf23;LGALS1	-0.36154	-2.61659	0.009677	0.243275
HAL;LTA4H	0.228166	2.612888	0.009779	0.244077
ENSG00000234478;PYCR2;LBR;CNIH3;EPHX1	-0.34027	-2.61444	0.009736	0.243965
WDR96;CCDC147;SH3PXD2A	-0.36765	-2.61382	0.009753	0.244061
CARS;ENSG00000255367;CHRNA10	-0.40316	-2.61428	0.009741	0.243991
	0.401468	2.616328	0.009685	0.243389
ICA1L	0.386645	2.616237	0.009687	0.243389
AKR1C3;PFKP;AKR1C2	-0.34381	-2.61581	0.009699	0.243541
PLTP	0.263905	2.616847	0.009671	0.243201
	0.156921	2.616251	0.009687	0.243389
CCDC33;PML;CYP11A1;SEMA7A;CSK;FAM219B;ENSG00000259264;LOXL1	-0.37617	-2.61569	0.009702	0.24358
	0.291218	2.615539	0.009706	0.243595
PEX6	-0.48168	-2.61498	0.009721	0.243794
	0.249588	2.614606	0.009732	0.243911
HCP5;ENSG00000225914;HSPA1A	0.270364	2.613062	0.009774	0.244075
	0.152588	2.613088	0.009773	0.244075
	0.152434	2.614273	0.009741	0.243991
TGFB1	0.189835	2.613336	0.009766	0.244075
	-0.20968	-2.61376	0.009755	0.244061
SYCP2;FAM217B;PPP1R3D;PHACTR3	-0.48504	-2.61504	0.00972	0.243794
	-0.16081	-2.61528	0.009713	0.243713
RAB37	0.252563	2.613095	0.009773	0.244075
SLC43A2;GEMIN4;C17orf97;NXN;ENSG00000263050;FAM57A	-0.28774	-2.6168	0.009672	0.243207
	0.363582	2.616696	0.009675	0.243239

	-0.23139	-2.61699	0.009667	0.243157
GNL3	0.207383	2.611401	0.00982	0.244364
	-0.2181	-2.61339	0.009765	0.244075
	0.218274	2.616516	0.00968	0.243287
	0.274592	2.614047	0.009747	0.244032
TSSC1	0.343405	2.614412	0.009737	0.243968
PDE2A;FCHSD2;STARD10;MRPL48;PPME1;PLEKHB1;DNAJB13;P				
GM2L1;COA4;C2CD3;UCP2	-0.27054	-2.61401	0.009748	0.244041
	-0.28854	-2.61464	0.009731	0.243911
	0.260745	2.6132	0.00977	0.244075
PSMD14;ENSG00000232320	0.378439	2.614085	0.009746	0.244027
RHBDF2;ST6GALNAC2	-0.31845	-2.61504	0.00972	0.243794
	0.265972	2.614588	0.009732	0.243911
GNA12;IQCE;MAD1L1;CHST12	-0.48219	-2.61591	0.009696	0.243495
	0.241016	2.612904	0.009778	0.244077
	-0.31409	-2.61298	0.009776	0.244075
	-0.25795	-2.61419	0.009743	0.243991
FYB	-0.30444	-2.615	0.009721	0.243794
	-0.17332	-2.61341	0.009765	0.244075
	-0.3541	-2.61559	0.009705	0.243584
MRPS6;IFNAR2	-0.48203	-2.61702	0.009666	0.243156
	-0.44503	-2.61107	0.009829	0.244461
	-0.3657	-2.6137	0.009757	0.244061
	-0.28612	-2.61323	0.00977	0.244075
KHNYN;NFATC4	0.284286	2.61447	0.009735	0.243956
	0.25596	2.612864	0.009779	0.244077
	0.186961	2.611223	0.009825	0.24441
PADI1;HSPB7	-0.21342	-2.61481	0.009726	0.243853
	0.294426	2.613121	0.009772	0.244075
	-0.41081	-2.61165	0.009813	0.244321
	0.25948	2.61487	0.009724	0.243839
NUDT12	-0.69636	-2.61458	0.009732	0.243911
	0.290512	2.613846	0.009752	0.244061
	0.555725	2.61145	0.009818	0.24436
RBM33	0.307012	2.615012	0.009721	0.243794
	-0.32135	-2.61146	0.009818	0.24436
	-0.27583	-2.61192	0.009805	0.244283
RNF5	0.189006	2.611212	0.009825	0.24441
	-0.36359	-2.6095	0.009872	0.244812
	-0.28781	-2.61172	0.009811	0.244303
	0.26488	2.609384	0.009876	0.244812
ZNF75A	-0.21611	-2.61334	0.009766	0.244075
	0.289577	2.613281	0.009768	0.244075
	-0.29957	-2.61361	0.009759	0.244061
VAMP8;KCMF1	-0.55159	-2.61498	0.009721	0.243794
	0.265464	2.611997	0.009803	0.244271
	0.38277	2.613519	0.009761	0.244075

	0.142215	2.613915	0.009751	0.244061
SMG5	0.315077	2.612693	0.009784	0.244092
	0.249167	2.614205	0.009743	0.243991
	0.195372	2.610006	0.009858	0.244741
PTP4A3	-0.25566	-2.60754	0.009927	0.245303
	0.249321	2.610452	0.009846	0.244562
	0.335483	2.612304	0.009795	0.244228
	-0.20367	-2.61344	0.009764	0.244075
TPP1	-0.29078	-2.60972	0.009866	0.244812
	0.390266	2.613139	0.009772	0.244075
	0.196974	2.610386	0.009848	0.244579
KIF26A;C14orf79;INF2;ENSG00000258534	-0.17861	-2.61202	0.009803	0.244271
	0.168838	2.612646	0.009785	0.244092
	0.269693	2.613196	0.00977	0.244075
	-0.14669	-2.61133	0.009822	0.244383
	0.308532	2.608263	0.009907	0.245045
	-0.17083	-2.61138	0.00982	0.244364
	0.178054	2.613262	0.009769	0.244075
	0.245481	2.609833	0.009863	0.244786
	0.206375	2.613091	0.009773	0.244075
	-0.37406	-2.61327	0.009768	0.244075
	0.307807	2.610994	0.009831	0.24447
	0.238126	2.609277	0.009879	0.244816
ZFP36L1	0.400161	2.608988	0.009887	0.244844
	0.326302	2.61315	0.009772	0.244075
	0.26227	2.612233	0.009797	0.244228
HS3ST6	-0.39174	-2.61286	0.00978	0.244077
TMEM50A;PAFAH2;RPS6KA1;TRNP1;CD52;PDIK1L	0.190112	2.614169	0.009744	0.243991
TPPP	-0.3924	-2.61303	0.009775	0.244075
	0.280728	2.613022	0.009775	0.244075
	-0.30691	-2.61147	0.009818	0.24436
ENSG00000242941;ENSG00000258623;RAD51B;ENSG0000025				
9038;GALNT16	-0.37064	-2.61127	0.009823	0.24441
ITGAE;P2RX5	-0.39975	-2.61288	0.009779	0.244077
	0.293677	2.609491	0.009873	0.244812
ROR2;SPTLC1	-0.33007	-2.6121	0.0098	0.24426
	0.416451	2.61247	0.00979	0.244144
EFCAB7	-0.25307	-2.61185	0.009807	0.244293
MEN1	0.196434	2.612638	0.009786	0.244092
	-0.26482	-2.60092	0.010113	0.246838
	-0.18974	-2.6128	0.009781	0.244088
PTPN7;KIF21B	0.279183	2.612314	0.009795	0.244228
	-0.21069	-2.61214	0.009799	0.24426
SHANK2	0.280713	2.612614	0.009786	0.244092
	0.247726	2.614952	0.009722	0.243798
BNIPL;THEM4;CGN;HRNR;SELENBP1;S100A11;FAM63A;SEMA6				
C;POGZ	-0.43759	-2.61157	0.009815	0.24435

	0.156083	2.608686	0.009895	0.244909
PDLIM1;ENTPD1	-0.29283	-2.61154	0.009816	0.244357
CTNNA1;NME5;KLHL3;FAM13B	-0.31715	-2.61268	0.009785	0.244092
	-0.20408	-2.60871	0.009894	0.244909
RAD50;ACSL6;PDLIM4	-0.26824	-2.61168	0.009812	0.244319
PIEZO1;SPATA33	0.196123	2.607173	0.009937	0.245371
	0.264739	2.609484	0.009873	0.244812
	-0.18191	-2.61023	0.009852	0.244645
	-0.21351	-2.61297	0.009776	0.244075
AHNAK2	0.253682	2.610525	0.009844	0.244555
	-0.19303	-2.60963	0.009869	0.244812
VWDE	-0.42254	-2.61073	0.009838	0.244495
	0.357196	2.613296	0.009768	0.244075
HCP5	-0.3517	-2.61319	0.009771	0.244075
	-0.5171	-2.61385	0.009752	0.244061
	0.418355	2.612741	0.009783	0.244092
RHPN2;KIAA0355;CEP89;DPY19L3;LRP3;KCTD15	0.334568	2.613178	0.009771	0.244075
	-0.19402	-2.61421	0.009743	0.243991
	-0.32758	-2.61366	0.009757	0.244061
	-0.21473	-2.61064	0.009841	0.244501
	-0.3398	-2.61255	0.009788	0.244104
	0.173665	2.610307	0.00985	0.244605
	0.332255	2.612224	0.009797	0.244228
	-0.15795	-2.61225	0.009796	0.244228
CACNA2D2;C3orf18;KLHDC8B;RASSF1;LAMB2;GNAI2	-0.50289	-2.61296	0.009777	0.244075
NME6;PRKAR2A-AS1;FCF1P2;KIF9	-0.31687	-2.61057	0.009843	0.244536
JHDM1D-AS1;DENND2A	-0.47749	-2.61107	0.009829	0.244461
FAM13C	-0.32164	-2.61172	0.009811	0.244303
CCDC88A;MTIF2;SPTBN1;RPL23AP32	-0.35747	-2.60711	0.009939	0.245371
	0.336512	2.609427	0.009874	0.244812
	0.301689	2.609575	0.00987	0.244812
ALDH3B2;CDK2AP2;GSTP1	0.22741	2.612105	0.0098	0.24426
	0.300157	2.612608	0.009786	0.244092
	0.238286	2.612093	0.009801	0.24426
PTRF;KRT23;FKBP10;ATP6V0A1;ACLY;STAT5B	-0.2759	-2.61119	0.009826	0.244411
HSP90AA5P	-0.20283	-2.61207	0.009801	0.244261
	0.347888	2.612831	0.00978	0.244082
TMEM156;TLR6	0.430244	2.61124	0.009824	0.24441
C11orf88;COLCA1;ENSG00000255093;POU2AF1;ENSG0000025				
5428;BTG4;MIR34C;ENSG00000254980	0.271509	2.611429	0.009819	0.244361
OSBPL2;GATA5;C20orf166-AS1	-0.26784	-2.61094	0.009833	0.24447
	-0.22329	-2.61071	0.009839	0.244495
CYP17A1	-0.37671	-2.61273	0.009783	0.244092
	0.311632	2.609448	0.009874	0.244812
	-0.2683	-2.61069	0.009839	0.244495
	-0.31436	-2.61071	0.009839	0.244495
	-0.22623	-2.61145	0.009818	0.24436

	-0.29999	-2.60991	0.009861	0.244786
	0.316693	2.610091	0.009856	0.244696
	0.36839	2.608424	0.009902	0.244977
	-0.19534	-2.61369	0.009757	0.244061
ENSG00000232712	0.455673	2.60867	0.009895	0.244909
	0.202968	2.610315	0.00985	0.244605
	-0.27137	-2.6109	0.009834	0.24447
GOSR2	0.291782	2.609061	0.009885	0.244844
	-0.4167	-2.6118	0.009809	0.244293
HSP90AA1;C14orf2;EIF5;MOK;XRCC3;ENSG00000259508	-0.35389	-2.60888	0.00989	0.244862
DNAJA4;WDR61;ADAMTS7;ACSBG1;CTSH;TBC1D2B;RASGRF1;IDH3A;HYKK;PSMA4	-0.3958	-2.61172	0.009811	0.244303
HCP5;HLA-B;HLA-E;LTB;HLA-A;HLA-C	-0.39004	-2.61197	0.009804	0.244271
	0.253285	2.606135	0.009966	0.245768
	-0.15422	-2.60645	0.009957	0.245696
	-0.19276	-2.60955	0.009871	0.244812
	0.271826	2.610466	0.009846	0.244562
	0.189488	2.612561	0.009788	0.244104
	-0.21337	-2.60989	0.009862	0.244786
	0.210511	2.611992	0.009803	0.244271
ARID3A;GNG7;MOB3A;HMHA1	0.376363	2.612725	0.009783	0.244092
	0.231468	2.611815	0.009808	0.244293
	0.315184	2.610709	0.009839	0.244495
	-0.40257	-2.60743	0.00993	0.245303
	-0.34886	-2.6116	0.009814	0.244344
HLA-F;HLA-E	-0.3158	-2.60957	0.00987	0.244812
	-0.23867	-2.60943	0.009874	0.244812
	0.29629	2.611055	0.009829	0.244461
	0.366573	2.610503	0.009845	0.244555
FAM3D;ARF4	0.235501	2.608272	0.009906	0.245045
	-0.17645	-2.60907	0.009884	0.244844
	0.328221	2.609529	0.009872	0.244812
BRI3	0.241711	2.610645	0.009841	0.244501
	0.34591	2.609	0.009886	0.244844
	-0.1988	-2.60863	0.009896	0.244909
	-0.18486	-2.6088	0.009892	0.244885
PRIMA1;ASB2;SYNE3;IFI27;LINC00341;ENSG00000258987	-0.33165	-2.60891	0.009889	0.244858
	-0.20111	-2.60935	0.009876	0.244812
	-0.25889	-2.60919	0.009881	0.24482
	0.337398	2.612252	0.009796	0.244228
CATSPERB;ATXN3;TC2N;ENSG00000260711;ENSG00000268657;ENSG00000258962	-0.40846	-2.60804	0.009913	0.245143
	0.276593	2.608626	0.009897	0.244909
	0.147846	2.600934	0.010112	0.246838
FSIP1;SRP14-AS1;ENSG00000259536	0.39048	2.610147	0.009854	0.244687

ST6GALNAC2;UNC13D;SMIM5;RHBDF2;RNF157-AS1;SLC16A5;FOXJ1;FDXR;SPHK1;GALK1;PRPSAP1;ICT1;SMIM6;GGA3;TRIM65	-0.34147	-2.60982	0.009864	0.244786
	-0.23237	-2.60969	0.009867	0.244812
	0.337144	2.607471	0.009929	0.245303
	0.252992	2.609416	0.009875	0.244812
	-0.16071	-2.61089	0.009834	0.24447
	-0.22618	-2.60575	0.009977	0.245833
	0.160178	2.605894	0.009973	0.245833
	0.316126	2.609048	0.009885	0.244844
	-0.16379	-2.6093	0.009878	0.244812
	0.32574	2.608945	0.009888	0.244858
ENSG00000262370;SRRM2	-0.28489	-2.60766	0.009924	0.245279
	0.284084	2.606645	0.009952	0.245634
	-0.28889	-2.60404	0.010025	0.246167
FBXL2;CRTAP;CCR4	-0.2528	-2.60568	0.009979	0.245833
MIAT	0.292032	2.609199	0.009881	0.24482
	-0.25141	-2.61098	0.009831	0.24447
MYO9A;THSD4	-0.37684	-2.6104	0.009847	0.244579
	-0.24923	-2.60583	0.009974	0.245833
	-0.29282	-2.60907	0.009884	0.244844
CCP110;GDE1;TMC5;IQCK;COQ7;ENSG00000259925;ERI2;ENSG00000260681;SYT17;CLEC19A;ENSG00000005189;C16orf62;ENSG00000259871	-0.40575	-2.60795	0.009915	0.245162
	0.137659	2.60555	0.009982	0.245879
	0.288791	2.609235	0.00988	0.24482
	0.283118	2.610098	0.009856	0.244696
	0.217466	2.609354	0.009876	0.244812
	0.335213	2.60589	0.009973	0.245833
GABBR1;MDC1;GNL1;TRIM31;PPP1R18;NRM;DDR1	0.495253	2.609398	0.009875	0.244812
	-0.26525	-2.60772	0.009922	0.245247
ENSG00000271763	0.304877	2.60983	0.009863	0.244786
	0.335035	2.609303	0.009878	0.244812
	-0.38321	-2.60747	0.009929	0.245303
SLC22A17;DCAF11;RBM23;REC8;EFS;CDH24;LRP10	-0.31078	-2.60437	0.010016	0.246154
	-0.30961	-2.60903	0.009885	0.244844
	0.211241	2.608783	0.009892	0.244886
	0.198596	2.608509	0.0099	0.244961
	-0.39398	-2.6073	0.009934	0.245341
	-0.21134	-2.60099	0.010111	0.246838
	0.276632	2.61096	0.009832	0.24447
ABHD2	-0.33703	-2.61077	0.009837	0.244495
ATP6V0B;RPS8	0.165729	2.60591	0.009972	0.245833
	0.262715	2.60811	0.009911	0.245108
TRIM59	0.293885	2.607766	0.00992	0.245231
	-0.33452	-2.60987	0.009862	0.244786
C4orf19;FAM114A1;KLHL5	0.316498	2.608444	0.009902	0.244977

	-0.27783	-2.60711	0.009939	0.245371
	-0.21332	-2.60883	0.009891	0.244883
	0.298518	2.609307	0.009878	0.244812
ENSG00000244327	0.281411	2.606828	0.009947	0.245551
	-0.41958	-2.60795	0.009915	0.245162
SLC44A4;LY6G5C;TNXB;NOTCH4;VWA7;NELFE;DDR1;HSPA1L;CLIC1;HSPA1A;TCF19;C6orf10;PBX2;ENSG00000225914;BAG6	-0.29201	-2.60864	0.009896	0.244909
ZNF44;CDKN2D;ACP5;RAB3D	0.19602	2.607806	0.009919	0.24523
HOXB3;HOXB4;NXPH3;TBKBP1;MIR10A;CALCOCO2;HOXB-AS2;ABI3;HOXB6	-0.24244	-2.60638	0.009959	0.245716
	-0.38184	-2.6026	0.010065	0.246481
FAM41C;LINC00115;TUBB8P11	0.224324	2.609402	0.009875	0.244812
CROCC;RSG1;ENSG00000227959;ENSG00000233421	0.322739	2.610875	0.009834	0.24447
	0.190366	2.605212	0.009992	0.245971
SRGAP3-AS2;SRGAP3;IL17RE;ENSG00000206567;PRRT3	-0.24147	-2.60616	0.009965	0.245768
	-0.30312	-2.60636	0.00996	0.245716
	0.257016	2.605875	0.009973	0.245833
	0.433092	2.604281	0.010018	0.246158
SPECC1;SNORD3A	0.199207	2.608906	0.009889	0.244858
EGFL7;COL5A1;CAMSAP1;OLFM1;GPSM1;C9orf163;UBAC1;NOTCH1	-0.41381	-2.60588	0.009973	0.245833
	-0.2548	-2.60518	0.009993	0.245975
	-0.39876	-2.6074	0.009931	0.245303
ERG	-0.46344	-2.60655	0.009955	0.24567
	0.349651	2.60642	0.009958	0.245704
	-0.22503	-2.60579	0.009976	0.245833
ITGB7;KRT80	0.251044	2.608542	0.009899	0.244952
MRVI1;WEE1;AMPD3;EIF4G2	-0.40166	-2.60717	0.009937	0.245371
	-0.2757	-2.60787	0.009918	0.245202
ENSG00000238460;ENSG00000255122	0.285147	2.606547	0.009954	0.24567
	0.322309	2.604386	0.010015	0.246154
PTPRG	0.427196	2.608221	0.009908	0.24506
	0.207441	2.607606	0.009925	0.245299
IL34	0.371822	2.607788	0.00992	0.24523
	-0.51041	-2.6072	0.009936	0.245371
ROBO4;TMEM218;ESAM;SPA17;FEZ1;PKNOX2	0.216667	2.605305	0.009989	0.245934
TVP23B;MFAP4;TRIM16L;PRPSAP2;B9D1	-0.29879	-2.60483	0.010003	0.246081
TMC8;TNRC6C-AS1;TMC6	-0.30458	-2.60921	0.00988	0.24482
DNAH9	0.309338	2.604638	0.010008	0.246154
	0.303022	2.606752	0.009949	0.245589
	-0.18426	-2.60437	0.010016	0.246154
	0.28901	2.607391	0.009931	0.245303
	-0.32621	-2.60751	0.009928	0.245303
	0.120386	2.604474	0.010013	0.246154
	0.287587	2.606656	0.009951	0.245634
	0.306653	2.605335	0.009988	0.245934

	0.308367	2.60744	0.00993	0.245303
XPR1;KIAA1614	-0.33347	-2.60751	0.009928	0.245303
	-0.28852	-2.60567	0.009979	0.245833
	0.337991	2.606056	0.009968	0.245785
WDR11	-0.44961	-2.60515	0.009993	0.245976
STYXL1;HIP1;POR;MDH2;RHBDD2;ENSG00000227038;SNORA14A	-0.42331	-2.60905	0.009885	0.244844
ERVK13-1;KCTD5	0.190962	2.607122	0.009938	0.245371
ENSG00000229892	-0.25799	-2.60623	0.009963	0.245768
	-0.17527	-2.60839	0.009903	0.244985
	0.265759	2.609326	0.009877	0.244812
	-0.22445	-2.60442	0.010014	0.246154
	0.234065	2.60371	0.010034	0.246243
	0.25334	2.601239	0.010104	0.246807
	0.262433	2.605449	0.009985	0.245906
ACAP1;TNK1	0.422865	2.608463	0.009901	0.244977
	0.339922	2.605138	0.009994	0.245976
	-0.31003	-2.60277	0.010061	0.24648
	0.253054	2.607209	0.009936	0.245371
	-0.28189	-2.60557	0.009982	0.245877
	0.218396	2.607989	0.009914	0.245162
CACNA1A	-0.259	-2.60491	0.01	0.246075
	-0.22768	-2.60411	0.010023	0.246167
	0.390827	2.60819	0.009909	0.245067
CKMT2	-0.27079	-2.60493	0.01	0.246075
	-0.33364	-2.6057	0.009978	0.245833
CRIP3	0.209181	2.6049	0.010001	0.246075
	-0.36204	-2.60486	0.010002	0.246075
GATA2;KIAA1257;IFT122;EFCAB12;PLXND1;ENSG00000244300;ENSG00000187695;RUVBL1;ENSG00000203644;RPL32P3;COPG1;TMCC1;ENSG00000244932	-0.50744	-2.60275	0.010061	0.24648
DNAH9;ARHGAP44;MYOCD;ENSG00000266368;HS3ST3A1	0.226674	2.604335	0.010016	0.246154
	0.303014	2.605229	0.009991	0.245971
	-0.29154	-2.60623	0.009963	0.245768
	0.197759	2.603383	0.010043	0.246327
	0.20256	2.606248	0.009963	0.245768
DZANK1	-0.29445	-2.60267	0.010063	0.246481
	-0.40969	-2.59897	0.010168	0.247387
	0.201764	2.603565	0.010038	0.246275
	0.235172	2.603487	0.01004	0.246275
	0.370521	2.605459	0.009985	0.245906
	0.184837	2.605658	0.009979	0.245833
DHX30	-0.2537	-2.60532	0.009989	0.245934
	-0.21665	-2.6047	0.010006	0.246142
CCHCR1;SLC44A4;LY6G5C;PPP1R18;VWA7;LTB;HLA-E;NRM;C6orf10;ENSG00000272221;MICB	-0.31741	-2.60241	0.010071	0.246532

SLAMF1;SLAMF6;CD84;FCRL6;LY9;SLAMF7;USP21;CD48;PVRL4;				
FCGR2B;CD244;FCGR2C;HSPA7;ARHGAP30	0.467628	2.605788	0.009976	0.245833
	0.247854	2.601233	0.010104	0.246807
	-0.29521	-2.60612	0.009966	0.245768
	0.319823	2.606484	0.009956	0.245688
	0.232904	2.60575	0.009977	0.245833
P2RX1;ZFP3;NLRP1;SPNS2;ZZEF1;ALOX15	-0.33006	-2.60431	0.010017	0.246154
	-0.26089	-2.60217	0.010077	0.246591
	0.228609	2.605791	0.009976	0.245833
	0.244371	2.606076	0.009968	0.245785
	-0.32266	-2.60534	0.009988	0.245934
COX5A;SCAMP2;RPP25;CSK	-0.2689	-2.60739	0.009931	0.245303
PCYT1A	0.398573	2.606531	0.009955	0.24567
HIST1H4K	-0.20182	-2.60473	0.010005	0.24613
BNIPL	-0.24628	-2.60257	0.010066	0.246481
	0.230891	2.601137	0.010107	0.24682
	0.265686	2.606137	0.009966	0.245768
	0.224218	2.604152	0.010022	0.246167
	0.244113	2.599899	0.010142	0.247097
HMHA1;PPAP2C	-0.28038	-2.60486	0.010002	0.246075
BEND7;CCDC3	0.251111	2.603709	0.010034	0.246243
ATP5I	-0.32289	-2.60569	0.009978	0.245833
	-0.36006	-2.60737	0.009931	0.245303
GIMAP7;GIMAP5;GIMAP6;GIMAP8;GIMAP4;GIMAP2	0.362758	2.604459	0.010013	0.246154
FBLN2	0.263904	2.602195	0.010077	0.246591
	-0.22819	-2.60223	0.010076	0.246591
RHOBTB1;ANK3;LINC00948;ENSG00000254271	-0.46907	-2.60447	0.010013	0.246154
LPAR3;MCOLN2;MIR4423	0.287124	2.602857	0.010058	0.24648
TAMM41	0.180402	2.597512	0.01021	0.247809
	0.215633	2.604005	0.010026	0.246167
DOC2B;RPH3AL	0.417379	2.605524	0.009983	0.245883
MFAP4;TVP23B;B9D1;LGALS9B;FBXW10	-0.33044	-2.60218	0.010077	0.246591
	0.251195	2.601576	0.010094	0.246714
	0.174706	2.60454	0.010011	0.246154
	-0.26567	-2.60613	0.009966	0.245768
	0.186782	2.604117	0.010023	0.246167
ZNF30	-0.22629	-2.60359	0.010037	0.246275
	-0.25127	-2.60463	0.010008	0.246154
	-0.2096	-2.60329	0.010046	0.246366
	-0.20783	-2.60257	0.010066	0.246481
TMEM106A;CNTD1	0.324239	2.602408	0.010071	0.246532
	-0.30936	-2.59916	0.010163	0.247315
PEX11G;RFX2;ZNF358;CAPS	-0.5516	-2.60286	0.010058	0.24648
	0.36992	2.600037	0.010138	0.247046
	-0.21649	-2.60374	0.010033	0.246243
	-0.34019	-2.60349	0.01004	0.246275
FAM78A	0.224002	2.6026	0.010065	0.246481

	0.237202	2.60432	0.010017	0.246154
	0.155134	2.60379	0.010032	0.246243
	-0.19321	-2.60184	0.010087	0.246685
CCDC41;FGD6;CRADD	-0.25234	-2.60063	0.010121	0.246858
MRPL23	0.266847	2.601835	0.010087	0.246685
TMEM176A	-0.24709	-2.60392	0.010028	0.246209
	0.143417	2.602391	0.010071	0.246532
	0.277829	2.604128	0.010022	0.246167
UPF3A	-0.23807	-2.6014	0.010099	0.246766
	0.220021	2.601751	0.010089	0.246685
	0.388006	2.60459	0.010009	0.246154
	0.402217	2.599453	0.010154	0.247215
	0.33633	2.605376	0.009987	0.245934
LPXN	-0.3635	-2.60406	0.010024	0.246167
	0.161721	2.60205	0.010081	0.246612
	-0.35379	-2.60191	0.010085	0.246682
SNHG3;SNORA73B	-0.16777	-2.60078	0.010117	0.246844
	0.390367	2.605122	0.009994	0.245976
MEOX1;RUNDC1;ATP6V0A1;FKBP10;COA3;CNTNAP1;BECN1;BRCA1;STAT5B;VPS25;AOC3;STAT5A;TMEM106A;RAMP2;TUBG1;ACLY;PSME3;COASY;LEPREL4	-0.32225	-2.60489	0.010001	0.246075
	-0.33001	-2.6009	0.010113	0.246838
	0.262942	2.603479	0.010041	0.246275
	0.224006	2.60354	0.010039	0.246275
GIMAP6;GIMAP7;RARRES2;GIMAP8;GIMAP1;GIMAP4;GIMAP5;SMARCD3;REPIN1;CDK5	-0.31195	-2.60279	0.01006	0.24648
	-0.27479	-2.60168	0.010091	0.246685
	-0.22809	-2.60209	0.01008	0.246602
	0.260896	2.596207	0.010247	0.248065
	0.269807	2.600939	0.010112	0.246838
	0.379464	2.596014	0.010253	0.248065
	0.313221	2.60147	0.010097	0.246745
	0.251743	2.600214	0.010133	0.246966
WDR16;USP43;ARHGEF15;NDEL1;CTC1;GAS7	-0.20336	-2.60301	0.010054	0.246462
	-0.24436	-2.60411	0.010023	0.246167
	0.18737	2.598495	0.010182	0.24755
	0.228143	2.602162	0.010078	0.246591
	0.208365	2.604013	0.010026	0.246167
TPPP	0.180924	2.60269	0.010063	0.246481
RPL27	0.15001	2.604148	0.010022	0.246167
	0.300831	2.597741	0.010203	0.247749
PKP3;TALDO1;MRPL23;C11orf89;TSPAN4;ATHL1	-0.19453	-2.60331	0.010045	0.24636
	0.209705	2.603775	0.010032	0.246243
	-0.22408	-2.6017	0.010091	0.246685
	0.39992	2.603837	0.01003	0.246243
FMNL3;ASIC1;LMBR1L;BCDIN3D;WNT10B;KCNH3	-0.26316	-2.60369	0.010035	0.246246
EIF3H	0.355223	2.604263	0.010018	0.246158

	0.40169	2.603133	0.01005	0.246429
	0.185253	2.601826	0.010087	0.246685
	0.402823	2.602993	0.010054	0.246462
LRRC27	0.284446	2.600964	0.010112	0.246838
	0.157894	2.601374	0.0101	0.246769
	0.289181	2.602129	0.010079	0.2466
	-0.20351	-2.60058	0.010122	0.24688
	0.296576	2.604179	0.010021	0.246167
	0.210096	2.599867	0.010143	0.247097
	0.320118	2.603547	0.010039	0.246275
GSTT1;ENSG00000225282;ENSG00000273295;ENSG00000235231;ENSG00000218537;ENSG00000272955;ENSG00000272787;GSTT2	-0.25727	-2.6038	0.010031	0.246243
	0.246784	2.599642	0.010149	0.247185
TSR3	0.253327	2.600755	0.010117	0.246845
APBA2	0.209219	2.600213	0.010133	0.246966
	0.155339	2.600875	0.010114	0.246838
	-0.28232	-2.60078	0.010117	0.246844
SLC22A15	0.365645	2.604564	0.01001	0.246154
	-0.20152	-2.59615	0.010249	0.248065
	0.307197	2.601627	0.010093	0.246707
	0.315929	2.603512	0.01004	0.246275
	0.268867	2.602856	0.010058	0.24648
	0.40516	2.602733	0.010062	0.24648
	-0.17554	-2.59925	0.01016	0.247266
	-0.24057	-2.60174	0.01009	0.246685
	0.341613	2.602763	0.010061	0.24648
	-0.44893	-2.60441	0.010014	0.246154
NTAN1;NOMO1	0.404433	2.602527	0.010067	0.246481
MRPL42P6;AADACL2;ENSG00000241151;ENSG00000242908;ENSG00000242097;IGSF10;P2RY1;ENSG00000222833;ENSG00000241732;RAP2B	-0.43069	-2.60406	0.010024	0.246167
NRROS;TNK2;TCTEX1D2;ENSG00000227433;CEP19;PIGX;PPP1R2	-0.38387	-2.59819	0.01019	0.247635
	0.239933	2.601195	0.010105	0.246809
	-0.34057	-2.60277	0.01006	0.24648
TBX3;TBX5;TBX5-AS1	-0.2625	-2.59787	0.010199	0.247699
ENSG00000178404;TMC6;CBX2	-0.3282	-2.59908	0.010165	0.247331
	0.212759	2.601473	0.010097	0.246745
	-0.47852	-2.60178	0.010088	0.246685
B4GALNT3	0.381537	2.603261	0.010047	0.246369
	-0.32067	-2.60094	0.010112	0.246838
	-0.2967	-2.60443	0.010014	0.246154
	-0.375	-2.60254	0.010067	0.246481
	-0.4245	-2.60069	0.010119	0.246854
	0.322275	2.604426	0.010014	0.246154

FXYD3;SCN1B;COX7A1;GRAMD1A;CLIP3;FXYD5;ZNF850;COX6B1;LGI4	0.38047	2.602814	0.010059	0.24648
	0.314499	2.602538	0.010067	0.246481
UNC13B;CLTA;TLN1;HINT2;RUSC2;GLIPR2;RECK	-0.42925	-2.60045	0.010126	0.246917
AK3	0.320499	2.600831	0.010115	0.246838
PDCD1	0.405186	2.603013	0.010054	0.246462
	0.222662	2.600322	0.01013	0.246941
NES;LRRC71	-0.24282	-2.60085	0.010115	0.246838
	0.214969	2.598831	0.010172	0.247416
	0.232411	2.603736	0.010033	0.246243
	0.286862	2.599986	0.010139	0.247067
CARD8	0.25843	2.601976	0.010083	0.24665
	0.16033	2.597167	0.01022	0.247941
	-0.22178	-2.59855	0.01018	0.24755
HEBP1;ETV6	-0.45591	-2.60041	0.010127	0.246918
	0.241591	2.601508	0.010096	0.246745
	-0.30714	-2.60124	0.010104	0.246807
MAP4;PTH1R;KIF9;DHX30	-0.3055	-2.59981	0.010144	0.247105
LRRC56;DEAF1;TSPAN4;B4GALNT4;MUC5AC;CD151;MUC5B;MOB2;SIGIRR;TALDO1	-0.43727	-2.59766	0.010206	0.247779
GPBP1	-0.44155	-2.60048	0.010125	0.246907
	0.254743	2.601682	0.010091	0.246685
	0.290929	2.603152	0.01005	0.246429
MTMR9LP	0.245894	2.602667	0.010063	0.246481
MCF2L2	-0.18372	-2.60135	0.010101	0.24677
	0.247727	2.600826	0.010115	0.246838
	-0.41333	-2.59874	0.010175	0.247465
	0.201128	2.59626	0.010246	0.248065
SFMBT2;PRKCQ	0.34774	2.601772	0.010089	0.246685
LSP1;C11orf21;C11orf89	-0.41071	-2.60298	0.010054	0.246462
	-0.26405	-2.59608	0.010251	0.248065
RAE1	0.421512	2.60031	0.01013	0.246941
	-0.25004	-2.59982	0.010144	0.247105
CHCHD1	-0.32734	-2.60294	0.010056	0.246475
	0.363362	2.602987	0.010054	0.246462
LCK;LAPTM5	-0.29894	-2.60024	0.010132	0.246966
	-0.25497	-2.6021	0.010079	0.246602
	-0.17397	-2.59889	0.01017	0.247402
GMDS;RIPK1;SERPINB1	-0.31167	-2.59963	0.010149	0.247185
	0.297459	2.598916	0.01017	0.2474
SOX18	-0.26315	-2.60112	0.010107	0.246821
	0.221375	2.600548	0.010123	0.246886
	-0.38515	-2.60104	0.010109	0.246838
	0.206775	2.596886	0.010228	0.248046
	-0.20528	-2.59547	0.010268	0.248182
	-0.2496	-2.59943	0.010155	0.247215
	0.259213	2.599861	0.010143	0.247097

	-0.14212	-2.59836	0.010186	0.247605
	0.232511	2.600423	0.010127	0.246918
SCGB2A1;HRASLS2;C11orf48;FADS3;PLA2G16	-0.20187	-2.59887	0.010171	0.247402
	0.30497	2.600061	0.010137	0.247043
CASC8	-0.34695	-2.60066	0.01012	0.246854
	0.288187	2.599877	0.010142	0.247097
GDAP1L1;DNTTIP1	-0.30641	-2.59937	0.010157	0.247223
DYSF	-0.2966	-2.59419	0.010305	0.248236
ASIC1;FMNL3;WNT10B	-0.42412	-2.6017	0.010091	0.246685
	0.249847	2.597853	0.0102	0.247699
	-0.5631	-2.60018	0.010134	0.246975
	-0.14979	-2.59661	0.010236	0.248065
	0.236803	2.599472	0.010154	0.247215
	-0.28389	-2.59673	0.010232	0.248056
	0.242515	2.59747	0.010211	0.247817
ATG9B;GIMAP5;GIMAP2;GIMAP7;GIMAP4	-0.29498	-2.60234	0.010073	0.24655
	-0.15933	-2.59645	0.01024	0.248065
	-0.49508	-2.59951	0.010153	0.247215
FAM101B;C17orf97;NXN;GLOD4	0.430284	2.597896	0.010199	0.247699
	0.163543	2.598282	0.010188	0.247628
COPB2	-0.40338	-2.60159	0.010094	0.246714
	-0.36974	-2.59581	0.010259	0.248106
TBC1D10C	0.321242	2.601145	0.010106	0.24682
	0.242949	2.601217	0.010104	0.246807
IMMP2L	0.389345	2.597162	0.01022	0.247941
WDR45B;PCYT2;MAFG-AS1;TBCD;LRRC45	-0.23141	-2.59423	0.010304	0.248236
	0.261338	2.595788	0.010259	0.248106
LRRC59	-0.28729	-2.60218	0.010077	0.246591
	-0.33011	-2.59616	0.010248	0.248065
SECTM1;STRA13	0.173016	2.600532	0.010124	0.246886
SIPA1;TBC1D10C;EFEMP2;MAP3K11;CTSW;CST6;PTPRCAP;YIF1				
A	0.315567	2.600681	0.01012	0.246854
	-0.24408	-2.59763	0.010206	0.24778
	0.12805	2.597934	0.010198	0.247699
	0.265169	2.601431	0.010098	0.246758
PARP12	0.205957	2.59499	0.010282	0.248182
	-0.21324	-2.59699	0.010225	0.248016
	-0.25309	-2.59617	0.010248	0.248065
	-0.36893	-2.59861	0.010178	0.247527
	-0.17873	-2.5958	0.010259	0.248106
	-0.28246	-2.59739	0.010213	0.247839
ASCC3	0.316943	2.598242	0.010189	0.247635
ZNF333	-0.25624	-2.59822	0.01019	0.247635
SUDS3	-0.36662	-2.59787	0.0102	0.247699
	-0.29224	-2.59707	0.010222	0.247975
PPP1R3B;ENSG00000254153	0.389434	2.59539	0.010271	0.248182
	0.32511	2.599743	0.010146	0.247136

GLB1;CMTM6;SUSD5;CNOT10;KRT18P15;DYNC1LI1	-0.25893	-2.59589	0.010256	0.248104
	0.24233	2.600688	0.010119	0.246854
SNORD3B-1;SNORD3D;SNORD3A	0.184829	2.599112	0.010164	0.247331
ERC1	-0.15731	-2.5985	0.010182	0.24755
ABHD11;CLDN3;LAT2;ENSG00000233369;LINC00035	-0.45414	-2.59746	0.010211	0.247817
LOXL3	-0.25071	-2.59616	0.010248	0.248065
	-0.31325	-2.59833	0.010187	0.247612
PTPRF;CDC20	-0.22971	-2.5968	0.01023	0.248056
	0.263988	2.599302	0.010159	0.247259
	0.233635	2.59925	0.01016	0.247266
	0.19545	2.596248	0.010246	0.248065
	0.164861	2.595413	0.01027	0.248182
C1QTNF1;TMC8;CBX2;USP36;ENSG00000178404;TIMP2;TNRC6C;TMC6	0.352906	2.596105	0.01025	0.248065
	0.378127	2.598185	0.010191	0.247635
	0.26938	2.598517	0.010181	0.24755
RSPH9;DNPH1;TCTE1;LRRC73;POLR1C;GLTSCR1L;DLK2;CAPN11;MRPL14;PEX6;KLC4;ENSG00000272442	-0.49552	-2.5973	0.010216	0.247887
	-0.27656	-2.60034	0.010129	0.246941
	0.242332	2.596867	0.010228	0.248046
	0.154822	2.594552	0.010295	0.248207
	0.358629	2.597968	0.010197	0.24769
	0.30756	2.593489	0.010325	0.248371
	0.273504	2.594061	0.010309	0.248268
CASZ1;APITD1;RBP7;NMNAT1	-0.39984	-2.59847	0.010182	0.247552
CSGALNACT1;LPL	0.315386	2.592696	0.010348	0.248544
	0.286044	2.595513	0.010267	0.248182
	0.301613	2.59617	0.010248	0.248065
	0.178444	2.595805	0.010259	0.248106
	-0.18456	-2.59326	0.010332	0.248371
	0.294601	2.599544	0.010152	0.247204
	-0.26906	-2.59869	0.010176	0.247483
ITGAL;SPN;CORO1A;ZNF629;ENSG00000271699;DOC2A	0.513753	2.600857	0.010115	0.246838
	-0.33416	-2.59909	0.010165	0.247331
FCHSD2;P2RY2;ENSG00000260401;PDE2A;STARD10	-0.36026	-2.59674	0.010232	0.248056
BAIAP2;LINC00482;P4HB	-0.53011	-2.59893	0.010169	0.2474
	-0.39027	-2.5949	0.010285	0.248182
EPB41L1;ERGIC3;MYL9	-0.33296	-2.5957	0.010262	0.248124
ICOSLG;TRPM2	-0.37733	-2.59943	0.010155	0.247215
	0.411881	2.599547	0.010152	0.247204
CTAGE5	-0.33769	-2.59262	0.01035	0.248544
	-0.22734	-2.59811	0.010193	0.247635
	0.28673	2.595223	0.010275	0.248182
	0.311523	2.594075	0.010308	0.248268
MMP19;LRP1;GDF11;STAT2	-0.27649	-2.59669	0.010233	0.248056
	-0.37447	-2.59477	0.010288	0.248182
	0.207785	2.599391	0.010156	0.247223

	0.336824	2.596486	0.010239	0.248065
EFHD1;ATG16L1;MSL3P1	0.341659	2.593939	0.010312	0.248311
	-0.25428	-2.59693	0.010226	0.248032
	-0.40327	-2.59613	0.010249	0.248065
	-0.16447	-2.59479	0.010288	0.248182
B4GALNT3;NINJ2;ERC1;RAD52	-0.34978	-2.59311	0.010336	0.248399
	-0.43298	-2.59837	0.010185	0.247605
	0.269666	2.596472	0.01024	0.248065
	-0.16597	-2.59955	0.010152	0.247204
FBLN2	0.214214	2.594604	0.010293	0.248207
CAMK2B	0.453615	2.596285	0.010245	0.248065
	0.283345	2.595657	0.010263	0.248127
	-0.20569	-2.59367	0.01032	0.248347
	-0.21835	-2.59676	0.010231	0.248056
DPP3;CARNS1;SYT12	0.145019	2.594641	0.010292	0.248201
	0.249878	2.59684	0.010229	0.248051
	-0.31143	-2.59505	0.01028	0.248182
	0.312957	2.596945	0.010226	0.248032
BANP;KLHDC4	0.367866	2.596032	0.010252	0.248065
	-0.18761	-2.59814	0.010192	0.247635
	0.149327	2.59797	0.010197	0.24769
	-0.52555	-2.59616	0.010248	0.248065
	0.221355	2.595167	0.010277	0.248182
	0.247082	2.598138	0.010192	0.247635
LCK	-0.21465	-2.59537	0.010271	0.248182
TSPAN4;TALDO1;RASSF7;ENSG00000251661;DEAF1;PKP3;ATHL1;ENSG00000250397;MUC5AC;MOB2	-0.34289	-2.59752	0.01021	0.247809
	0.26913	2.596009	0.010253	0.248065
ANKH;DNAH5	-0.3929	-2.59675	0.010232	0.248056
ITGB7	-0.21142	-2.5965	0.010239	0.248065
WDR65;CCDC30;FAM183A;ZMYND12;RIMKLA;HIVEP3;TMEM125;TMSB4XP1;EBNA1BP2	-0.33482	-2.59425	0.010303	0.248236
	0.188952	2.593569	0.010323	0.248371
	-0.21447	-2.59408	0.010308	0.248268
GPR146;PSMG3	0.259791	2.59601	0.010253	0.248065
FMNL3;WNT10B	0.218216	2.598115	0.010193	0.247635
	0.251087	2.595231	0.010275	0.248182
	-0.16919	-2.59397	0.010312	0.248305
	-0.43087	-2.59482	0.010287	0.248182
HLA-F;HCP5;HLA-E;HLA-B;OR2I1P;HLA-A;PPP1R10;HLA-C;PPP1R18;PPP1R11	0.401817	2.597595	0.010207	0.24778
LCA5L;ERG;WRB	-0.40115	-2.59489	0.010285	0.248182
	0.224343	2.597402	0.010213	0.247839
ZNF837	0.245868	2.59042	0.010414	0.248969
	0.269747	2.595297	0.010273	0.248182
MANF;APEH;DOCK3;CYB561D2	0.192315	2.597138	0.01022	0.247942
	0.292955	2.595799	0.010259	0.248106

	0.329855	2.595735	0.010261	0.248114
SCMH1;CITED4;MFSD2A;RIMS3;ZMPSTE24;KCNQ4	-0.352	-2.59593	0.010255	0.248094
	0.255298	2.596614	0.010235	0.248065
SEPHS2;PPP4C;TGFB1I1	-0.29631	-2.59669	0.010233	0.248056
	0.199443	2.593668	0.01032	0.248347
ANKRD36BP2;LINC00152;ENSG00000273445	0.319951	2.597987	0.010196	0.24769
	0.243883	2.594376	0.0103	0.248236
RIPK4	-0.34817	-2.5917	0.010377	0.248788
	0.245874	2.593593	0.010322	0.248369
	-0.16248	-2.59476	0.010289	0.248182
OSR1	0.365388	2.594718	0.01029	0.248182
	0.230265	2.596266	0.010245	0.248065
FAM84A	-0.31709	-2.59603	0.010252	0.248065
CDC42BPA;OBSCN;GJC2	0.28528	2.59387	0.010314	0.248315
	0.223613	2.592492	0.010354	0.24857
	-0.36057	-2.59384	0.010315	0.248315
	0.282368	2.594	0.010311	0.248296
	0.316498	2.595989	0.010253	0.248065
	0.207775	2.595677	0.010262	0.248127
CGNL1;TCF12	-0.14911	-2.59291	0.010342	0.248461
	0.323269	2.597687	0.010205	0.247772
MAF1	0.155727	2.596332	0.010244	0.248065
	0.177713	2.59494	0.010283	0.248182
	0.261102	2.593167	0.010335	0.248371
	0.196405	2.594328	0.010301	0.248236
EFEMP2;LTBP3;DPF2;PPP2R5B;TM7SF2;MAP4K2;NRXN2;PRDX5;MAP3K11;VEGFB;PLCB3;NAALADL1;PYGM;RNASEH2C;SIPA1;RASGRP2;STIP1;TRPT1	-0.40682	-2.59516	0.010277	0.248182
	0.277249	2.596287	0.010245	0.248065
	-0.18701	-2.59521	0.010276	0.248182
MUC5B;IFITM3;DEAF1;TSPAN4	-0.30642	-2.59624	0.010246	0.248065
	0.380151	2.594437	0.010298	0.24823
FN1;ENSG00000197585;PECR;LINC00607	-0.36528	-2.59444	0.010298	0.24823
RBM20	-0.35021	-2.59299	0.01034	0.248439
ENSG00000264198;PLXDC1;IKZF3	-0.33563	-2.59778	0.010202	0.247734
	-0.20119	-2.59501	0.010281	0.248182
MLLT4;FGFR1OP;ENSG00000231720;ENSG00000228648;C6orf123;SMOC2	-0.53497	-2.59341	0.010328	0.248371
	-0.2426	-2.59363	0.010321	0.248357
	0.330732	2.594402	0.010299	0.248236
CYB561D2;BSN;DOCK3;C3orf18;AMT;SEMA3B;NICN1	0.37714	2.596261	0.010246	0.248065
	-0.17753	-2.59472	0.01029	0.248182
CACNA1H;RGS11;TPSAB1;TMEM204;TMEM8A;TPSB2	-0.52315	-2.59242	0.010356	0.248597
	0.339296	2.595543	0.010266	0.248182
	-0.35713	-2.59456	0.010294	0.248207
ACOT11	0.249867	2.593056	0.010338	0.248417
	0.309049	2.595416	0.01027	0.248182

	-0.37652	-2.59318	0.010334	0.248371
RNU4-1	-0.27398	-2.59611	0.01025	0.248065
TRAF3IP1;ENSG00000232306;LINC01107	0.338361	2.597612	0.010207	0.24778
APBB2;RBM47;LIMCH1;SMIM14;NSUN7	-0.2859	-2.59135	0.010387	0.248834
GIMAP7;GIMAP5;GIMAP2;GIMAP8;GIMAP6;GIMAP4;ATG9B	-0.37109	-2.59496	0.010283	0.248182
	-0.29622	-2.59447	0.010297	0.24823
	-0.21703	-2.59372	0.010319	0.248339
	0.209954	2.596249	0.010246	0.248065
	-0.39531	-2.59419	0.010305	0.248236
	0.156518	2.59716	0.01022	0.247941
CLIC1;C6orf25;LSM2	0.238783	2.593167	0.010335	0.248371
EIF2S2;GSS;ERGIC3;EDEM2;TRPC4AP	0.291021	2.591875	0.010372	0.248738
	-0.1544	-2.59337	0.010329	0.248371
	-0.28046	-2.59666	0.010234	0.248059
TRPM2;ITGB2;ENSG00000215447	-0.37631	-2.59096	0.010398	0.248894
	0.244062	2.594763	0.010289	0.248182
	0.330642	2.594707	0.01029	0.248182
NXPH3;SGCA;COL1A1;CACNA1G;ANKRD40;MYCBPAP	0.400852	2.595058	0.01028	0.248182
	0.297264	2.59304	0.010338	0.248417
ENSG00000246145;ENSG00000250869;RNA5SP268;CSPP1	0.211251	2.594747	0.010289	0.248182
	0.225606	2.59082	0.010403	0.248913
	0.26837	2.593904	0.010313	0.248315
	-0.33116	-2.59128	0.010389	0.248834
	-0.25926	-2.59529	0.010273	0.248182
AGAP2	-0.38114	-2.59453	0.010295	0.248211
	0.27553	2.593495	0.010325	0.248371
ITPKB;C1orf95	-0.32717	-2.59019	0.010421	0.249006
	0.295412	2.593832	0.010315	0.248315
	0.357648	2.59526	0.010274	0.248182
ARNT2;C15orf26	0.262594	2.594187	0.010305	0.248236
CCDC148;CYTIP	0.452386	2.596078	0.010251	0.248065
	-0.31057	-2.59345	0.010326	0.248371
	0.234315	2.594369	0.0103	0.248236
PRF1	-0.2307	-2.59513	0.010278	0.248182
	0.376276	2.594288	0.010302	0.248236
	-0.29512	-2.59481	0.010287	0.248182
PLEKHA6	-0.31118	-2.59519	0.010276	0.248182
	0.280532	2.590593	0.010409	0.248946
	0.234011	2.591188	0.010392	0.248867
	0.20246	2.593237	0.010333	0.248371
PARVB;MCAT;BIK;TTLL1;SCUBE1;PARVG;EFCAB6	-0.37382	-2.5955	0.010267	0.248182
ENSG00000267554;UNC45B;SLFN12L	-0.30875	-2.59408	0.010308	0.248268
ANXA2	-0.41408	-2.59185	0.010373	0.248743
CPT1A	-0.3055	-2.5933	0.010331	0.248371
	0.218825	2.593169	0.010335	0.248371

BAI1;PTP4A3;LY6D	-0.36014	-2.59574	0.010261	0.248114
	-0.29862	-2.59337	0.010329	0.248371
SPRY4;NR3C1;FGF1	0.329691	2.592077	0.010366	0.248686
	0.149631	2.594201	0.010305	0.248236
	0.365564	2.595101	0.010279	0.248182
PIAS1	-0.38954	-2.59489	0.010285	0.248182
CFB;DDAH2;HCP5	-0.41105	-2.59419	0.010305	0.248236
ACAP1;CTC1;VAMP2;KCTD11;CLDN7;MPDU1;FAM64A;ELP5;ARHGEF15;TNK1	-0.22843	-2.59281	0.010345	0.24848
	-0.2056	-2.59146	0.010384	0.248831
	0.188962	2.590896	0.0104	0.248906
	0.311779	2.589862	0.01043	0.249065
DNM1;PKN3;SLC2A8;LRSAM1;CERCAM;DPM2;SH2D3C;TBC1D13;GARNL3	-0.49817	-2.58972	0.010434	0.249106
	0.153697	2.593311	0.01033	0.248371
	-0.40161	-2.59504	0.010281	0.248182
CCDC13;CCDC13-AS1;HHATL-AS1;POMGNT2;HHATL;ZBTB47;SEC22C	-0.38349	-2.59005	0.010425	0.249041
CD6;CD5	0.279542	2.59481	0.010287	0.248182
PDGFRA;LNX1;KDR	0.21589	2.591336	0.010388	0.248834
	-0.20687	-2.59323	0.010333	0.248371
	-0.23254	-2.59156	0.010381	0.248819
CALM2;ENSG00000260977;PIGF	-0.40731	-2.59205	0.010367	0.248686
CCDC40;ENSG00000263069;ENDOV;EIF4A3	-0.22521	-2.59458	0.010294	0.248207
	0.276551	2.591986	0.010369	0.248703
	-0.22157	-2.59374	0.010318	0.248337
	-0.3229	-2.59322	0.010333	0.248371
	-0.48452	-2.59505	0.01028	0.248182
	0.379857	2.59065	0.010408	0.248946
	0.364061	2.588931	0.010458	0.249301
	-0.26763	-2.58989	0.01043	0.249065
	0.330305	2.593788	0.010317	0.248332
	0.282957	2.593384	0.010328	0.248371
	-0.19711	-2.59331	0.010331	0.248371
	0.2508	2.594849	0.010286	0.248182
	-0.36986	-2.59218	0.010363	0.248684
KIAA1551;DENND5B	0.323992	2.592516	0.010353	0.24857
	-0.17502	-2.59289	0.010343	0.248461
ABLIM2	0.295254	2.593842	0.010315	0.248315
	-0.23365	-2.58989	0.01043	0.249065
	0.171739	2.592553	0.010352	0.24856
FNBP1	-0.34934	-2.59498	0.010282	0.248182
	0.139102	2.591561	0.010381	0.248819
	-0.20025	-2.59267	0.010349	0.248544
FAM204BP	-0.34058	-2.59469	0.010291	0.248182
	-0.19632	-2.59374	0.010318	0.248337
	0.209377	2.590993	0.010398	0.248894

	0.335433	2.589683	0.010436	0.24912
COL5A1;CAMSAP1;UBAC1;OLFM1	-0.33148	-2.59352	0.010324	0.248371
	0.281739	2.592197	0.010363	0.248684
	0.288771	2.589576	0.010439	0.249166
	0.247343	2.592143	0.010364	0.248686
WBSCR17	0.310003	2.591315	0.010388	0.248834
	-0.22569	-2.5932	0.010334	0.248371
	-0.31656	-2.59177	0.010375	0.248784
	0.257846	2.592824	0.010344	0.24848
CALHM2;C10orf32;USMG5;DPCD;LDB1;NFKB2;ARL3;ENSG0000				
0269609;KCNIP2;NT5C2;FBXW4;MGEA5	-0.25302	-2.59248	0.010354	0.24857
FAM179A;RBKS	-0.33195	-2.58727	0.010506	0.249844
	-0.19348	-2.58884	0.01046	0.249301
	-0.21878	-2.59263	0.01035	0.248544
	0.149152	2.592174	0.010363	0.248684
	0.260984	2.591016	0.010397	0.248894
	0.219305	2.591467	0.010384	0.248831
ALPL	-0.19989	-2.59221	0.010362	0.248684
	-0.32289	-2.59063	0.010408	0.248946
	0.185545	2.590371	0.010416	0.248975
	0.216737	2.592051	0.010367	0.248686
FAM178B;ARID5A	0.271031	2.589149	0.010451	0.249241
RN7SKP24;CCL19;AQP7	-0.39963	-2.59157	0.010381	0.248819
DNM1P47	0.340664	2.592572	0.010352	0.24856
	-0.33577	-2.59149	0.010383	0.248831
	0.229469	2.590653	0.010407	0.248946
	0.241327	2.590636	0.010408	0.248946
	0.306481	2.59008	0.010424	0.249038
	0.241375	2.591401	0.010386	0.248834
	0.229361	2.591033	0.010396	0.248894
	0.143039	2.590716	0.010406	0.248944
	0.124161	2.589428	0.010443	0.249206
	0.200896	2.587647	0.010495	0.249717
RTN4IP1;ATG5	-0.38936	-2.58953	0.01044	0.249173
	-0.33411	-2.59288	0.010343	0.248461
	0.1861	2.591284	0.010389	0.248834
	-0.2492	-2.59196	0.010369	0.248703
	0.237232	2.590436	0.010414	0.248969
	-0.25737	-2.59202	0.010368	0.248691
	0.183415	2.590468	0.010413	0.248969
	0.263604	2.589891	0.01043	0.249065
	-0.25267	-2.58829	0.010476	0.249553
	-0.24949	-2.5893	0.010447	0.249206
	-0.20463	-2.59095	0.010399	0.248894
	0.227489	2.591946	0.01037	0.248703
SSU72	0.341276	2.592225	0.010362	0.248684
MIR101-1;ROR1	0.243337	2.590252	0.010419	0.248975

	0.177367	2.592277	0.01036	0.248682
	-0.26782	-2.58648	0.010529	0.250059
	0.350408	2.592623	0.01035	0.248544
WDR45B	-0.3413	-2.5929	0.010342	0.248461
	-0.17193	-2.58922	0.010449	0.249215
	-0.32467	-2.59108	0.010395	0.248894
DNAJC4;CDCA5;RPS6KA4;TRPT1;PRDX5;PPP1R14B;PLA2G16;PLCB3	-0.46368	-2.59061	0.010409	0.248946
	0.309689	2.590295	0.010418	0.248975
FAM83H-AS1;FAM83H;EXOSC4;ENSG00000255224	-0.33477	-2.59096	0.010399	0.248894
	-0.21234	-2.59143	0.010385	0.248834
	0.300795	2.591207	0.010391	0.248867
	0.309004	2.592129	0.010365	0.248686
	-0.22212	-2.58837	0.010474	0.249536
DAXX	0.212024	2.591276	0.010389	0.248834
STK10;CREBRF	-0.30956	-2.59096	0.010398	0.248894
	-0.20618	-2.58459	0.010585	0.250487
WDR66;P2RX7;LRRC43;MORN3;BCL7A;P2RX4	-0.26983	-2.58986	0.01043	0.249065
	0.194425	2.589343	0.010446	0.249206
PRDX5;CCDC88B;FERMT3	0.294658	2.590556	0.01041	0.248948
	0.339991	2.59158	0.010381	0.248819
	-0.30148	-2.5921	0.010366	0.248686
	0.226604	2.588899	0.010459	0.249301
MAP4K2;RASGRP2;CCDC88B	-0.23511	-2.58871	0.010464	0.249362
	0.214382	2.58534	0.010563	0.250313
	-0.27092	-2.59174	0.010376	0.248788
PTPRB	0.350927	2.591642	0.010379	0.248817
	0.331906	2.590957	0.010399	0.248894
FAXDC2	0.289605	2.589889	0.01043	0.249065
	0.303408	2.590892	0.010401	0.248906
USP43;WDR16;TMEM107;ARHGEF15;MYH10	-0.29215	-2.59035	0.010416	0.248975
	-0.28476	-2.59045	0.010413	0.248969
RASA3	0.22372	2.586135	0.01054	0.250168
SNORA23	-0.33188	-2.58579	0.01055	0.250286
	-0.44685	-2.58908	0.010453	0.249255
B9D1;ALDH3A2;FAM83G;FBXW10;MFAP4	-0.30752	-2.59172	0.010376	0.248788
	-0.1834	-2.58818	0.010479	0.249553
FGD5;FBLN2;GRIP2;ZFYVE20;TPRXL;TMEM43	0.325839	2.589376	0.010445	0.249206
HES6;TRAF3IP1	-0.33606	-2.58609	0.010541	0.250175
	-0.15537	-2.5856	0.010555	0.250286
	0.334395	2.589436	0.010443	0.249206
	-0.2483	-2.58975	0.010434	0.249106
	-0.19373	-2.5857	0.010552	0.250286
	0.186607	2.587804	0.010491	0.249691
ENSG00000238120;ENSG00000226328;FBLN1;CERK;RIBC2;NUP50;CELSR1;ENSG00000273243	-0.29072	-2.58369	0.010612	0.25081

DCAF8;ENSG00000225670;ENSG00000227741;ENSG00000213080;TAGLN2	-0.23816	-2.59031	0.010417	0.248975
KANK1	0.400957	2.588059	0.010483	0.249623
	0.131309	2.588888	0.010459	0.249301
	0.15524	2.58795	0.010486	0.249625
WDR87	-0.31866	-2.5908	0.010403	0.248913
	0.186369	2.590781	0.010404	0.248913
BOLA3-AS1	0.223088	2.590549	0.01041	0.248948
	-0.26598	-2.5873	0.010505	0.249844
	-0.22085	-2.58868	0.010465	0.249362
	-0.26512	-2.58927	0.010448	0.249215
	-0.47944	-2.58905	0.010454	0.249255
DNAI1;KIF24;FAM166B;ENSG00000230729;C9orf24;FANCG;RN7SKP24;ENHO;CCL19	-0.23529	-2.59004	0.010425	0.249041
	0.264112	2.587919	0.010487	0.249625
DOCK3;APEH	-0.20116	-2.59001	0.010426	0.249048
	-0.35262	-2.59151	0.010383	0.248831
	0.25831	2.589339	0.010446	0.249206
GNAI3;LAMTOR5;TAF13	-0.23624	-2.58757	0.010498	0.249745
TSPY26P	-0.23401	-2.58976	0.010434	0.249106
	-0.35596	-2.59086	0.010401	0.248911
	-0.17882	-2.59131	0.010388	0.248834
	0.27765	2.589527	0.01044	0.249173
	-0.27413	-2.58822	0.010478	0.249553
	-0.29769	-2.59084	0.010402	0.248911
	-0.27329	-2.58766	0.010495	0.249717
	0.148671	2.5864	0.010532	0.250086
	0.315544	2.589206	0.01045	0.249215
ENSG00000260316	-0.16182	-2.59053	0.010411	0.248948
CACNA1C;TSPAN9;RAD51AP1;CCND2	-0.24862	-2.58651	0.010528	0.250059
	0.326695	2.589334	0.010446	0.249206
CYTIP	-0.31664	-2.58972	0.010434	0.249106
	0.324237	2.590098	0.010424	0.249038
CDH5;FAM65A;RLTPR;CMTM4;CMTM3;DPEP2;CES2;BEAN1;SLC12A4;ATP6V0D1	-0.33535	-2.58526	0.010565	0.250332
	0.349662	2.586266	0.010536	0.25013
	-0.29302	-2.58718	0.010509	0.249848
CTSW;SIPA1;BATF2;MAP4K2;RASGRP2	-0.24119	-2.59106	0.010396	0.248894
CNDP2	-0.70803	-2.589	0.010456	0.249273
EFHC1;ENSG00000231683	0.248597	2.585826	0.010549	0.250286
	0.246428	2.590355	0.010416	0.248975
	-0.20776	-2.58869	0.010465	0.249362
SLC44A4;CLIC1;NOTCH4;NELFE;HSPA1A;RNF5	-0.29697	-2.5874	0.010502	0.249835
CRISPLD2;FOXF1;FOXL1;FENDRR	-0.30969	-2.59025	0.010419	0.248975
	0.19017	2.587713	0.010493	0.249717
	-0.30362	-2.58888	0.010459	0.249301

ENSG00000223991;PPP1R7;ENSG00000233392;ENSG0000022				
6321;PASK;BOK;SNED1;FARP2	-0.34635	-2.58256	0.010645	0.250955
	0.214257	2.589319	0.010446	0.249206
	0.363846	2.58633	0.010534	0.25011
ENSG00000253811;EBF1;ENSG00000253456;FABP6	-0.39569	-2.58826	0.010477	0.249553
	-0.19353	-2.58523	0.010566	0.250332
	0.196483	2.586936	0.010516	0.249907
	0.149942	2.588863	0.01046	0.249301
	0.664313	2.589054	0.010454	0.249255
RNF166	-0.29696	-2.58517	0.010568	0.250344
	0.345102	2.587683	0.010494	0.249717
RFX2;CATSPERD;CAPS;ZNF557	0.392558	2.584108	0.010599	0.250636
IGSF9B	-0.3065	-2.58646	0.01053	0.250059
	0.268353	2.589243	0.010449	0.249215
TRABD2B;TAL1;STIL;ENSG00000226252;CMPK1;SPATA6	0.264827	2.588533	0.010469	0.249433
	-0.34675	-2.58633	0.010534	0.25011
	0.225124	2.588313	0.010476	0.249553
HYKK	-0.23964	-2.58656	0.010527	0.250042
PARP11	-0.55442	-2.58823	0.010478	0.249553
PLCD3	-0.35071	-2.58568	0.010553	0.250286
	0.274627	2.589595	0.010438	0.249166
	0.356857	2.590087	0.010424	0.249038
ZNF213	0.321933	2.58335	0.010622	0.250901
	0.168133	2.585074	0.010571	0.250381
	-0.35818	-2.58506	0.010571	0.250381
	-0.21694	-2.58456	0.010586	0.250487
RNF8	0.250387	2.587921	0.010487	0.249625
	0.273572	2.590286	0.010418	0.248975
PDCD6;NKD2	0.358557	2.584796	0.010579	0.250487
ACAP1;PIK3R6;KCTD11	-0.2292	-2.58743	0.010502	0.249826
CAST;MCTP1	-0.32133	-2.58854	0.010469	0.249433
	0.193605	2.583858	0.010607	0.250764
LY6G5C;SLC44A4;VWA7;NELFE;CCHCR1;HSPA1L;NOTCH4;TCF1				
9;C6orf10;HSPA1A;ENSG00000272221;TAP1	-0.25324	-2.58435	0.010592	0.250552
	0.240733	2.585926	0.010546	0.25025
	-0.20533	-2.58766	0.010495	0.249717
PPP1R7;ANKMY1;HDLBP;GPC1	0.360678	2.582851	0.010636	0.250914
	-0.19877	-2.58907	0.010454	0.249255
	-0.20726	-2.58825	0.010478	0.249553
	-0.41875	-2.58731	0.010505	0.249844
C6orf10	-0.32895	-2.58595	0.010545	0.25025
ELMO1	0.281569	2.587971	0.010486	0.249625
	-0.19924	-2.58455	0.010586	0.250487
STX16;ATP5E;VAPB;CTSZ	0.158615	2.586718	0.010522	0.250003
	0.235394	2.587245	0.010507	0.249844
ACOX3	-0.27103	-2.5866	0.010526	0.250042
	-0.21212	-2.58567	0.010553	0.250286

PLEKHG2	-0.42926	-2.58466	0.010583	0.250487
	0.131561	2.585381	0.010562	0.250313
	-0.26359	-2.58725	0.010507	0.249844
	-0.33214	-2.58515	0.010569	0.25035
	0.261448	2.586168	0.010539	0.250168
TTC9;ENSG00000259153;ENSG00000258689;COX16;ENSG000				
00245466	-0.27339	-2.58685	0.010518	0.249936
	0.266292	2.58716	0.010509	0.249848
SPATS2L;NDUFB3;NIF3L1;AOX1;KCTD18;ALS2CR12;SGOL2	-0.31964	-2.58447	0.010589	0.250535
BAIAP2;RNF213;SLC25A10;PCYT2	0.577166	2.588782	0.010462	0.24933
PMP22;TEKT3	0.430465	2.586966	0.010515	0.2499
WIPF1	-0.42341	-2.58374	0.01061	0.250803
	0.253376	2.587946	0.010486	0.249625
PSMB8;HLA-B;PSMB9;HLA-DRA;HCP5	0.164502	2.587265	0.010506	0.249844
CPVL	0.192529	2.584416	0.01059	0.250552
	0.140149	2.585339	0.010563	0.250313
	-0.25542	-2.58657	0.010527	0.250042
	0.159049	2.584568	0.010586	0.250487
ITGB7	-0.3362	-2.58804	0.010484	0.249623
	-0.21384	-2.58504	0.010572	0.250381
TBC1D2B;ADAMTS7;HMG20A;DNAJA4;ACSBG1;ADAMTS7P3;H				
YKK;CRABP1;WDR61	-0.32753	-2.58568	0.010553	0.250286
DAB2IP;PHF19;LHX6	0.47694	2.587162	0.010509	0.249848
TBX2;TBX4;ENSG00000267137	0.175238	2.580523	0.010706	0.251409
	-0.27715	-2.58792	0.010487	0.249625
	0.265595	2.586498	0.010529	0.250059
	-0.26054	-2.58692	0.010517	0.249908
	0.339009	2.585596	0.010555	0.250286
	-0.29309	-2.58488	0.010577	0.250454
	0.320499	2.586752	0.010521	0.249993
	-0.20474	-2.58818	0.01048	0.249553
	0.223568	2.581953	0.010663	0.251102
	-0.35955	-2.58762	0.010496	0.249723
ENSG00000261404	0.471218	2.579813	0.010727	0.251642
PDCD1	0.320908	2.589399	0.010444	0.249206
	-0.18611	-2.58702	0.010513	0.249873
UNC13D;TTYH2;SLC16A5;FDXR;MRPS7;GPRC5C;SLC9A3R1;HN1				
;ICT1;SAP30BP;SMIM6;ENSG00000264853;GALK1	-0.31592	-2.58185	0.010666	0.251102
	0.43547	2.585417	0.010561	0.250313
	0.231009	2.586258	0.010536	0.25013
	-0.26816	-2.58361	0.010614	0.250832
	-0.21917	-2.58736	0.010504	0.249844
	0.362125	2.585693	0.010553	0.250286
	-0.26808	-2.58586	0.010548	0.250284
	-0.31958	-2.58563	0.010554	0.250286
ENSG00000272323	-0.34161	-2.58521	0.010567	0.250332

	0.234217	2.58539	0.010561	0.250313
	0.270305	2.585725	0.010552	0.250286
	0.196849	2.583708	0.010611	0.25081
	0.22983	2.587744	0.010492	0.249717
	-0.26208	-2.58541	0.010561	0.250313
	0.264603	2.582876	0.010636	0.250914
	-0.29703	-2.58435	0.010592	0.250552
	0.244669	2.58477	0.01058	0.250487
	0.339569	2.585489	0.010559	0.250313
RAC2	0.151442	2.583307	0.010623	0.250901
ITGB7	0.222367	2.583323	0.010623	0.250901
	0.355245	2.584687	0.010582	0.250487
	0.277147	2.584358	0.010592	0.250552
	-0.60629	-2.58714	0.01051	0.249848
	-0.16942	-2.58524	0.010566	0.250332
	0.401521	2.58301	0.010632	0.250914
	-0.2364	-2.58384	0.010607	0.250764
FAM198A;CCDC13;POMGNT2	-0.34962	-2.58288	0.010636	0.250914
	-0.32193	-2.58306	0.01063	0.250914
CYP1B1;CYP1B1-AS1	0.344985	2.586624	0.010525	0.250042
	0.315259	2.583058	0.01063	0.250914
	-0.55472	-2.58599	0.010544	0.250235
	-0.29898	-2.58659	0.010526	0.250042
	-0.2263	-2.58198	0.010662	0.251102
IGKV1-5;IGKV3-20;IGKV4-1	0.1904	2.582315	0.010652	0.251021
SUN1	-0.34114	-2.58722	0.010508	0.249846
	0.209271	2.584118	0.010599	0.250636
ERGIC3;SOGA1;CPNE1;SAMHD1	-0.24815	-2.5835	0.010617	0.250867
	0.296018	2.584972	0.010574	0.250409
	-0.42804	-2.5871	0.010511	0.249852
TAS2R4	-0.23116	-2.58612	0.01054	0.250168
	0.290917	2.582118	0.010658	0.251081
	-0.33748	-2.58709	0.010512	0.249852
	0.165324	2.585445	0.01056	0.250313
	0.319509	2.583203	0.010626	0.250914
RADIL	0.353228	2.578939	0.010753	0.25189
	0.143901	2.583605	0.010614	0.250832
	0.259155	2.583753	0.01061	0.250803
APBB2;LIMCH1;RBM47	0.256666	2.584341	0.010592	0.250552
	0.253835	2.584211	0.010596	0.250615
GNG7;HMHA1;MOB3A	-0.30669	-2.58463	0.010584	0.250487
	-0.19286	-2.58417	0.010597	0.250631
	-0.18109	-2.58237	0.010651	0.251015
	0.24279	2.581469	0.010678	0.25113
CLDN7	0.248925	2.585378	0.010562	0.250313
	-0.41758	-2.58477	0.01058	0.250487
	-0.33683	-2.58541	0.010561	0.250313

	0.365663	2.587075	0.010512	0.249852
	-0.27452	-2.58187	0.010666	0.251102
	0.22636	2.584245	0.010595	0.250605
PTCH1;ERCC6L2;FANCC;HABP4;ENSG00000271314;SLC35D2;CDC14B;ENSG00000223849	0.357665	2.57873	0.010759	0.251895
	0.280913	2.583976	0.010603	0.25071
	0.228807	2.581333	0.010682	0.25116
	0.182878	2.58188	0.010665	0.251102
	0.25675	2.585574	0.010556	0.250288
	-0.31781	-2.58298	0.010633	0.250914
SEMA6B	-0.20681	-2.58235	0.010651	0.251019
ENSG00000264527;C9orf163;TUBB4B;PTGDS;NOTCH1;LCNL1;SLC34A3;UAP1L1;GPSM1;INPP5E;GRIN1;RNF224;NRARP;SNHG7;C9orf169;TRAF2;ENTPD8;SEC16A;SNAPC4;QSOX2;EGFL7;ENSG00000237886;CACNA1B	-0.46653	-2.58344	0.010619	0.250876
	-0.17855	-2.58309	0.010629	0.250914
	0.368541	2.584963	0.010574	0.250409
	0.250855	2.585617	0.010555	0.250286
	-0.29148	-2.58274	0.01064	0.250922
	0.193247	2.582815	0.010638	0.250915
	0.127388	2.581772	0.010669	0.251102
	-0.29368	-2.58078	0.010698	0.251338
	0.154506	2.586148	0.010539	0.250168
	-0.25673	-2.58342	0.01062	0.250876
	-0.17159	-2.5791	0.010748	0.251842
	0.346793	2.582423	0.010649	0.250992
	-0.35341	-2.5808	0.010697	0.251338
	0.224008	2.582465	0.010648	0.250977
LCOR	-0.40175	-2.58473	0.010581	0.250487
	-0.26099	-2.58303	0.010631	0.250914
	0.171108	2.583494	0.010617	0.250867
	-0.36233	-2.58	0.010721	0.251598
SLBP	-0.2606	-2.58387	0.010606	0.250764
	0.229878	2.580844	0.010696	0.251337
RNF157-AS1;FOXJ1;SEC14L1;ST6GALNAC2;SMIM5;SMIM6;UBALD2;SPHK1;WBP2;RNF157;TRIM47;TRIM65;FBF1;KIAA0195;RHBDF2;ITGB4;GALK1;CASKIN2	-0.28834	-2.58021	0.010715	0.251505
	0.332994	2.584102	0.010599	0.250636
ATP6V1G1;ZNF618;ENSG00000234692;AMBP;COL27A1	-0.27544	-2.5846	0.010585	0.250487
	-0.20103	-2.58279	0.010638	0.250915
	-0.34884	-2.58468	0.010582	0.250487
COL21A1	0.366599	2.584707	0.010582	0.250487
	0.259815	2.582634	0.010643	0.250933
	-0.33094	-2.58136	0.010681	0.251156
	0.248113	2.58166	0.010672	0.251117
MYRF;CHRM1;AHNAK	-0.28628	-2.58301	0.010632	0.250914

MATK;SEMA6B	-0.25631	-2.57918	0.010746	0.251825
	0.268793	2.581416	0.010679	0.25113
KLHDC8B	0.207973	2.580543	0.010705	0.251409
	-0.32178	-2.5836	0.010614	0.250832
	0.389616	2.582928	0.010634	0.250914
	0.229915	2.580863	0.010696	0.251337
TACC3	0.239053	2.581424	0.010679	0.25113
	0.254693	2.585666	0.010553	0.250286
	0.35325	2.582788	0.010638	0.250915
	0.225602	2.581728	0.01067	0.251117
	0.268074	2.581535	0.010676	0.251117
	0.198406	2.581299	0.010683	0.25117
	-0.26623	-2.58526	0.010565	0.250332
	-0.35495	-2.58324	0.010625	0.250905
NOTUM;BAIAP2;LINC00482;PCYT2	-0.24913	-2.57873	0.010759	0.251895
	0.342339	2.583115	0.010629	0.250914
	0.218923	2.57964	0.010732	0.251642
	-0.42641	-2.58301	0.010632	0.250914
GSTM5;GSTM3;KCNC4;CSF1;LAMTOR5;KCNA2;SYPL2;CEPT1;GS				
TM4;DRAM2	-0.32292	-2.58261	0.010644	0.250933
	-0.30505	-2.58327	0.010624	0.250905
	0.412606	2.582874	0.010636	0.250914
	0.209443	2.581775	0.010668	0.251102
	0.361629	2.582512	0.010647	0.250972
	0.251196	2.580238	0.010714	0.251499
	-0.26942	-2.58153	0.010676	0.251117
	0.175632	2.58192	0.010664	0.251102
	-0.22703	-2.58331	0.010623	0.250901
	0.213519	2.581833	0.010667	0.251102
	0.138888	2.580398	0.010709	0.251456
ABTB1	-0.2708	-2.58206	0.01066	0.251096
FGD5;FBLN2;ZFYVE20;TPRXL;GRIP2	-0.34163	-2.58307	0.01063	0.250914
	0.300159	2.583253	0.010625	0.250905
	0.246614	2.583511	0.010617	0.250867
	-0.28857	-2.57861	0.010763	0.251895
MAPK15;RHPN1;TOP1MT;RHPN1-AS1;MROH6	-0.30605	-2.58104	0.01069	0.251258
WSCD2;ACACB	-0.26523	-2.58013	0.010717	0.251534
	-0.18929	-2.57863	0.010762	0.251895
	-0.3602	-2.58287	0.010636	0.250914
	-0.33014	-2.58343	0.010619	0.250876
	0.314994	2.582652	0.010642	0.250933
ENSG00000264057;LRRC37A3	0.223308	2.580351	0.010711	0.251475
GGT5;FAM211B	0.239657	2.577746	0.010789	0.252034
	0.319142	2.576896	0.010814	0.252215
	-0.16809	-2.57989	0.010725	0.251618
PRKAR1B	-0.32922	-2.58046	0.010707	0.251437

ENSG00000251611;TIGD4;FAM160A1;TMEM154;ENSG00000251603	0.307287	2.581453	0.010678	0.25113
	0.197843	2.580735	0.010699	0.251356
	0.316917	2.582672	0.010642	0.250933
RNF166	-0.35252	-2.58123	0.010685	0.251192
TMEM8A;TPSD1;MSLN	0.243528	2.580316	0.010712	0.251485
	0.273682	2.581997	0.010662	0.251102
	0.276185	2.58295	0.010634	0.250914
CCM2	0.393065	2.577762	0.010788	0.252034
ENSG00000262003;MYO1C	0.364967	2.576375	0.01083	0.252374
	0.446868	2.580574	0.010704	0.251409
EXOSC4	0.183062	2.582097	0.010659	0.251082
	0.234843	2.579975	0.010722	0.2516
	0.185115	2.581815	0.010667	0.251102
	0.323316	2.582715	0.010641	0.250927
FGFR1;GPR124;WHSC1L1;ENSG00000254111	0.261306	2.58029	0.010713	0.25149
	0.191011	2.57875	0.010759	0.251895
	-0.30497	-2.58106	0.01069	0.251252
	0.28631	2.578411	0.010769	0.25192
	0.248672	2.5822	0.010656	0.251051
	-0.27938	-2.58247	0.010648	0.250977
	-0.26457	-2.58126	0.010684	0.251185
	0.23989	2.582771	0.010639	0.250915
	0.301742	2.57941	0.010739	0.25172
DLG2	0.261398	2.581084	0.010689	0.251252
CYP3A5;PILRA;BAIAP2L1;BUD31;ATP5J2	-0.32895	-2.58057	0.010704	0.251409
	-0.30817	-2.5749	0.010874	0.252475
	0.379674	2.578579	0.010764	0.251895
CDHR3;EFCAB10;RINT1;PUS7	-0.32856	-2.57448	0.010887	0.252502
MEG3;HHIPL1;ENSG00000225746;MEG8;ENSG00000232018	-0.27115	-2.57798	0.010782	0.252021
	0.255157	2.574676	0.010881	0.252502
CITED4;AKIRIN1;MACF1;SMAP2;BMP8B;ZMPSTE24;KCNQ4;RIMS3	-0.30412	-2.57969	0.010731	0.251642
	0.257489	2.582133	0.010658	0.251081
TNXB;LTB	-0.2432	-2.57866	0.010761	0.251895
	0.250405	2.577674	0.010791	0.252038
	-0.19224	-2.58159	0.010674	0.251117
	-0.4062	-2.58222	0.010655	0.251049
	0.164718	2.581567	0.010675	0.251117
	0.320989	2.581208	0.010685	0.251192
	-0.19622	-2.58081	0.010697	0.251338
	0.263252	2.57857	0.010764	0.251895
	0.370154	2.581914	0.010664	0.251102
CPXM2;GPR26;LHPP	-0.31529	-2.57752	0.010796	0.252093
	0.319918	2.583076	0.01063	0.250914
PPP1R32	0.37315	2.581422	0.010679	0.25113

ENSG00000261534;TTLL11	0.389416	2.579923	0.010724	0.251609
CCT5;MARCH6	-0.39337	-2.57942	0.010739	0.25172
	0.257097	2.57877	0.010758	0.251895
	0.260747	2.580718	0.0107	0.251356
GNA12	-0.30221	-2.57993	0.010723	0.251609
	-0.25934	-2.58026	0.010714	0.251499
NDUFS6	-0.30631	-2.58177	0.010668	0.251102
KIAA1244	0.284713	2.581687	0.010671	0.251117
	0.365817	2.580868	0.010695	0.251337
STMN3;OSBPL2;GATA5;SLCO4A1;C20orf166-AS1	-0.33504	-2.5777	0.01079	0.252038
MYO1G	0.365673	2.580857	0.010696	0.251337
	0.310756	2.579711	0.01073	0.251642
	-0.33279	-2.57941	0.010739	0.25172
	-0.41211	-2.57766	0.010791	0.252038
PSMD2	-0.29169	-2.57495	0.010873	0.252475
	-0.27514	-2.57963	0.010732	0.251642
	-0.39863	-2.57973	0.010729	0.251642
AP1S3;DOCK10	-0.23952	-2.58169	0.010671	0.251117
SNAI2;EFCAB1	0.488876	2.577344	0.010801	0.252117
PYCR1	0.219221	2.579225	0.010744	0.251808
	0.23566	2.579647	0.010732	0.251642
	0.413432	2.582266	0.010654	0.251033
	0.175237	2.577298	0.010802	0.252117
B4GALT5	-0.32556	-2.582	0.010662	0.251102
TSPAN15;TET1;STOX1	-0.28063	-2.57974	0.010729	0.251642
	-0.32656	-2.58164	0.010672	0.251117
	-0.15996	-2.57907	0.010749	0.251845
TSPAN18;MAPK8IP1;ALX4;ENSG00000254664	0.202326	2.578227	0.010774	0.251941
	-0.24279	-2.57928	0.010743	0.251784
	0.205099	2.575435	0.010858	0.252445
	-0.15339	-2.57846	0.010767	0.25192
	0.290563	2.580638	0.010702	0.251398
	-0.2542	-2.57897	0.010752	0.25189
	0.271303	2.581118	0.010688	0.251242
	-0.42872	-2.57897	0.010752	0.25189
STAT5A	0.347325	2.58005	0.01072	0.251575
	0.29509	2.582303	0.010653	0.251021
	-0.28943	-2.57312	0.010929	0.252882
ZNF440;AP1M2;ZNF627;KANK2;CDKN2D	-0.34285	-2.57703	0.01081	0.252183
	-0.26596	-2.58162	0.010673	0.251117
	0.295326	2.57734	0.010801	0.252117
ATG7	-0.32338	-2.57962	0.010733	0.251642
	-0.18343	-2.57848	0.010767	0.25192
	-0.31312	-2.57774	0.010789	0.252034
	-0.22862	-2.58261	0.010644	0.250933
	-0.34428	-2.58055	0.010705	0.251409
	0.190358	2.577861	0.010785	0.252034

CAP2;RPL7P26	-0.37063	-2.57754	0.010795	0.252093
RPS26P6;RRM2B;GRHL2;YWHAZ	-0.34462	-2.57841	0.010769	0.25192
HSPA12B;ADAM33	0.185005	2.577369	0.0108	0.252117
	0.227642	2.575543	0.010855	0.252445
	0.273698	2.579145	0.010747	0.251829
	-0.25794	-2.57942	0.010739	0.25172
FENDRR;FOXF1;KIAA0513;ENSG00000262601;FOXL1;USP10;CR				
ISPLD2;COTL1;FAM92B	0.429657	2.57212	0.010959	0.253114
	0.143676	2.575065	0.01087	0.252475
ELAC2	-0.39743	-2.57963	0.010732	0.251642
ENSG00000273203	0.322769	2.579623	0.010733	0.251642
CPT1C;TEAD2;RUVBL2;PRRG2;VRK3;PIH1D1;RASIP1;FUZ;HRC	0.235592	2.57836	0.01077	0.25192
	-0.19181	-2.57815	0.010777	0.251941
	0.156709	2.571044	0.010992	0.253311
	0.308229	2.576805	0.010817	0.252237
	0.212832	2.579749	0.010729	0.251642
	0.111161	2.577804	0.010787	0.252034
FAM162B;ZUFSP	0.353952	2.572493	0.010948	0.252993
PDCD6;TPPP;SDHA	-0.39939	-2.57552	0.010856	0.252445
SLC12A4;ATP6V0D1;TMEM208;LCAT;PSMB10;PLEKHG4;SMPD3	-0.2423	-2.57722	0.010805	0.252141
	-0.29363	-2.5772	0.010805	0.252142
NUGGC;DPYSL2	-0.28257	-2.57756	0.010794	0.252093
	0.175039	2.578285	0.010773	0.25192
	-0.29504	-2.5816	0.010674	0.251117
STK32B;EVC;STX18;EVC2;CRMP1;CYTL1	-0.34291	-2.57633	0.010831	0.252393
	0.472937	2.5793	0.010742	0.251783
	-0.19243	-2.57881	0.010757	0.251895
	0.326635	2.575831	0.010846	0.252445
	-0.21546	-2.57619	0.010836	0.252409
ABCD3;ABCA4;ENSG00000226026	0.32915	2.578285	0.010773	0.25192
	0.171368	2.577833	0.010786	0.252034
	0.181044	2.575751	0.010849	0.252445
TULP3;PARP11	0.370914	2.578569	0.010764	0.251895
CDNF	0.25441	2.579592	0.010734	0.251648
	0.27427	2.575488	0.010857	0.252445
	0.31032	2.578647	0.010762	0.251895
	0.271229	2.575844	0.010846	0.252445
	0.21871	2.575395	0.01086	0.252445
CALHM2;SLK;NT5C2;OBFC1;USMG5;COL17A1	-0.37671	-2.58017	0.010716	0.251518
EIF2AK3	-0.32489	-2.5759	0.010844	0.252445
	0.266032	2.580432	0.010708	0.251446
	0.230463	2.578302	0.010772	0.25192
ENSG00000232344	-0.22357	-2.57476	0.010879	0.2525
SUN1	0.279924	2.578279	0.010773	0.25192
	0.311592	2.575555	0.010855	0.252445

ENSG00000255306;PITPNM1;MRGPRF;ALDH3B1;FAM86C2P;UNC93B1	0.340976	2.575735	0.010849	0.252445
	0.231477	2.577758	0.010788	0.252034
UQCR10	-0.22742	-2.57466	0.010882	0.252502
PDE2A	0.246849	2.573445	0.010919	0.252777
	-0.19074	-2.57425	0.010894	0.252559
	0.369016	2.576407	0.010829	0.252366
	0.285715	2.573389	0.01092	0.252777
	0.288422	2.574862	0.010876	0.252486
CNDP2	0.288692	2.575959	0.010843	0.252445
	-0.21684	-2.57596	0.010843	0.252445
	-0.23142	-2.57846	0.010767	0.25192
ECHS1	0.189137	2.576437	0.010828	0.252358
	0.261638	2.57739	0.010799	0.252117
	-0.29714	-2.57885	0.010756	0.251895
TMPRSS4	0.321388	2.578577	0.010764	0.251895
	0.211927	2.576582	0.010824	0.252338
BAIAP2;PCYT2;SLC26A11	-0.37589	-2.5773	0.010802	0.252117
	0.269973	2.576442	0.010828	0.252358
ABCC9;KCNJ8;C2CD5;ENSG00000256973	0.344257	2.575063	0.01087	0.252475
ENSG00000150076	0.275655	2.575407	0.010859	0.252445
	0.355368	2.57727	0.010803	0.252117
	-0.22923	-2.57522	0.010865	0.252475
	0.212753	2.574313	0.010892	0.252531
	0.192046	2.575029	0.010871	0.252475
ZNF423;NKD1;ENSG00000261685;ENSG00000260029;ENSG00000205414	0.311864	2.575064	0.01087	0.252475
MRPL23;IGF2;CARS;ENSG00000255367;MRPL23-AS1;NAP1L4	-0.58432	-2.57341	0.01092	0.252777
	0.314854	2.578624	0.010762	0.251895
	-0.16492	-2.57613	0.010837	0.25241
	0.174231	2.575116	0.010868	0.252475
	0.232352	2.576241	0.010834	0.252409
	-0.43378	-2.57449	0.010887	0.252502
RQCD1;TNS1;STK11IP;TTLL4;STK16;SPEG;GLB1L;ZNF142	-0.31358	-2.57493	0.010874	0.252475
P2RX4;P2RX7;LRRC43;WDR66;BCL7A	-0.25498	-2.57616	0.010837	0.252409
CORO1A;ITGAL;SPN;CD19;C16orf54;ZNF48;ZNF768	0.354013	2.578201	0.010775	0.251941
	0.266332	2.576521	0.010826	0.252341
	0.284262	2.57893	0.010753	0.25189
	-0.27181	-2.57581	0.010847	0.252445
ENSG00000270571;MTHFD2	0.303605	2.573801	0.010908	0.252713
BCDIN3D-AS1	-0.20011	-2.57766	0.010791	0.252038
ATP8B2	-0.33338	-2.57685	0.010816	0.25223
	0.301854	2.577861	0.010785	0.252034
	0.298988	2.575279	0.010863	0.252475
	0.267867	2.578867	0.010755	0.251895
	0.25268	2.578718	0.01076	0.251895

	-0.40734	-2.57455	0.010885	0.252502
	0.232845	2.573868	0.010906	0.252711
	0.279881	2.577971	0.010782	0.252021
TSPAN1;ENSG00000226252;TAL1	0.204062	2.578129	0.010777	0.251942
	0.172182	2.574469	0.010888	0.252502
FYN	0.355818	2.577159	0.010806	0.252154
	-0.32	-2.57562	0.010853	0.252445
	0.229606	2.574453	0.010888	0.252502
ADAMTS9-AS2;ADAMTS9-AS1;SNTN	0.248131	2.574504	0.010887	0.252502
	-0.28854	-2.57789	0.010784	0.252034
MMEL1	-0.14846	-2.57873	0.010759	0.251895
	0.189703	2.574329	0.010892	0.252531
	0.237657	2.57479	0.010878	0.252498
	0.286754	2.576663	0.010821	0.252309
	-0.19463	-2.57712	0.010808	0.252158
	-0.13269	-2.57521	0.010865	0.252475
	0.222461	2.575479	0.010857	0.252445
C10orf128;VSTM4	0.313719	2.574912	0.010874	0.252475
DNAJC16;KAZN;FHAD1;DDI2	-0.35198	-2.57389	0.010905	0.252711
TTYH2;SDK2;SSTR2;LINC00511	0.263405	2.575914	0.010844	0.252445
	-0.44653	-2.57914	0.010747	0.251829
RHOU	0.286346	2.576563	0.010824	0.252338
	-0.15285	-2.57618	0.010836	0.252409
	0.295027	2.578305	0.010772	0.25192
	-0.33298	-2.57597	0.010842	0.252445
	0.296559	2.573638	0.010913	0.252749
	0.366056	2.578149	0.010777	0.251941
FCHO1;MYO9B;JAK3	0.290663	2.577286	0.010803	0.252117
GPRIN3;HERC5	0.422133	2.577318	0.010802	0.252117
MORF4L1	0.291201	2.572424	0.01095	0.252993
	0.291086	2.574826	0.010877	0.252486
	0.279342	2.576487	0.010827	0.252351
RNF19B;CSMD2;YARS;SYNC;FNDC5;AK2	0.158318	2.576819	0.010817	0.252237
	0.258209	2.576084	0.010839	0.252413
	0.676341	2.576903	0.010814	0.252215
	-0.37259	-2.57516	0.010867	0.252475
SMIM15;ENSG00000249279	-0.36732	-2.57736	0.0108	0.252117
IQCA1	-0.31539	-2.57504	0.01087	0.252475
	0.398957	2.575142	0.010867	0.252475
ARPC5	0.285134	2.575744	0.010849	0.252445
	-0.16467	-2.5756	0.010853	0.252445
	0.251337	2.575425	0.010859	0.252445
	0.272359	2.578331	0.010771	0.25192
	0.259244	2.572054	0.010961	0.253119
	0.202619	2.575888	0.010845	0.252445
	0.252786	2.576166	0.010836	0.252409
	-0.21399	-2.57243	0.010949	0.252993

	-0.27878	-2.57377	0.010909	0.252713
JTB	-0.17743	-2.575	0.010872	0.252475
COBL	0.289194	2.577765	0.010788	0.252034
	-0.16189	-2.57067	0.011003	0.253369
	-0.65141	-2.57609	0.010839	0.252413
SIRT3;BRSK2;TALDO1;TSPAN4	-0.38506	-2.57539	0.01086	0.252445
	-0.52675	-2.57629	0.010832	0.252403
	-0.30583	-2.57172	0.010971	0.253175
SMYD2;PTPN14	0.284439	2.575536	0.010855	0.252445
RPL7L1	-0.29791	-2.57151	0.010978	0.253218
	0.214186	2.574575	0.010884	0.252502
MXRA7;UNC13D;HN1;CYGB;PRPSAP1;ST6GALNAC1;FDXR	-0.35169	-2.57838	0.01077	0.25192
PSMG3;GPR146;PDGFA;ENSG00000242474;MAD1L1;CYP2W1;				
PRKAR1B;SUN1;HEATR2;ENSG00000249574	-0.3256	-2.57531	0.010862	0.252475
	-0.29911	-2.57506	0.01087	0.252475
	0.319412	2.576182	0.010836	0.252409
	0.497003	2.57818	0.010776	0.251941
	0.286214	2.577486	0.010797	0.252104
TBC1D10C	-0.26016	-2.57796	0.010782	0.252021
FYN;ENSG00000226440;LAMA4;ENSG00000237234;ENSG0000				
0271208;ENSG00000270661	0.409008	2.576774	0.010818	0.252245
DSP;BMP6	-0.42445	-2.57339	0.01092	0.252777
	0.217877	2.575521	0.010856	0.252445
SH2D3C;ENG	0.292539	2.575196	0.010866	0.252475
	0.318465	2.576524	0.010826	0.252341
	-0.26375	-2.5739	0.010905	0.252711
	0.263478	2.574535	0.010886	0.252502
	-0.1724	-2.57395	0.010903	0.252711
SKAP1	0.415696	2.573013	0.010932	0.252885
AOC3;BECN1;ATP6V0A1;STAT5B;COASY;VPS25;PSME3;CNTNAP				
1;MEOX1;EZH1;RAMP2;RUNDC1;COA3;MPP2;PTRF;ENSG00000				
267221;TUBG2;VAT1	-0.36325	-2.57541	0.010859	0.252445
	0.289457	2.575493	0.010857	0.252445
	0.353563	2.57467	0.010882	0.252502
ARHGEF15;BCL6B;ENSG00000270606;MYH10;MPDU1;ATP1B2;				
NLGN2;CLDN7	0.297401	2.572703	0.010941	0.252937
SLC30A4	0.408833	2.576568	0.010824	0.252338
VEGFC;GPM6A;ASB5;SPATA4	0.339343	2.569585	0.011036	0.253575
	-0.28198	-2.57166	0.010973	0.253182
	0.298603	2.576981	0.010812	0.252197
SLC12A4	-0.16144	-2.5758	0.010847	0.252445
LIMS2;GPR17;MYO7B;GYPC	-0.352	-2.57521	0.010865	0.252475
	-0.28524	-2.57484	0.010876	0.252486
	-0.34055	-2.57708	0.010809	0.252166
CGN	-0.2362	-2.57711	0.010808	0.252158
ENSG00000257596	0.393579	2.573098	0.010929	0.252882

	0.241742	2.574172	0.010897	0.252598
	-0.37728	-2.57447	0.010888	0.252502
	0.26366	2.573871	0.010906	0.252711
	-0.26566	-2.57547	0.010857	0.252445
REEP4	-0.31949	-2.5769	0.010814	0.252215
VWA5B2;KLHL6	0.169131	2.568012	0.011085	0.253976
ZNRD1-AS1;HLA-A	-0.17232	-2.57088	0.010997	0.253358
SNHG3;SNORA73B	0.358583	2.576149	0.010837	0.252409
PTCHD3P1	0.336568	2.575634	0.010852	0.252445
VWF	-0.24982	-2.57033	0.011013	0.253387
RSPH10B;RSPH10B2;EIF2AK1;ENSG00000239696;CYTH3;FSCN1	-0.34605	-2.57475	0.010879	0.2525
RNF166;ENSG00000259881;CBFA2T3;PIEZO1;ENSG000002612				
26;SNAI3;SPIRE2	-0.2858	-2.57416	0.010897	0.252598
	-0.37154	-2.57438	0.01089	0.252531
	0.213892	2.574956	0.010873	0.252475
ZNF683	-0.30632	-2.57376	0.010909	0.252713
MLLT4;THBS2;SMOC2	-0.27131	-2.57377	0.010909	0.252713
TP53BP1;CCNDBP1;ZNF106;EPB42;SNAP23;MAP1A;ADAL;CATS				
PER2P1	-0.40315	-2.57225	0.010955	0.253055
	0.234262	2.569865	0.011028	0.25354
BANP	-0.45827	-2.5696	0.011036	0.253575
CHIC2;ENSG00000269506	-0.35258	-2.57023	0.011016	0.253403
	0.203758	2.573463	0.010918	0.252777
	-0.39525	-2.57702	0.010811	0.252183
SARS2	-0.25722	-2.57595	0.010843	0.252445
	-0.27399	-2.57436	0.010891	0.252531
	-0.17377	-2.57218	0.010957	0.253083
	0.210304	2.574901	0.010875	0.252475
MLKL	0.425327	2.575439	0.010858	0.252445
	-0.27539	-2.5728	0.010938	0.252916
TMEM63C	-0.21977	-2.57237	0.010951	0.253009
NHSL1;REPS1;KIAA1244	0.446123	2.574589	0.010884	0.252502
ZFYVE28	0.185376	2.571767	0.01097	0.253173
LRP11;CYP51A1P3	-0.46704	-2.5716	0.010975	0.253182
	-0.31203	-2.57224	0.010955	0.253055
	0.210751	2.572704	0.010941	0.252937
	0.458643	2.570902	0.010996	0.253356
	0.217229	2.573562	0.010915	0.252757
RHOH;NSUN7	-0.51122	-2.57515	0.010867	0.252475
SRR	0.224182	2.568379	0.011073	0.253851
HLA-A;HCP5;HLA-F;MICB;TRIM39	-0.60773	-2.57358	0.010914	0.252756
	-0.18659	-2.57255	0.010946	0.252992
	0.16724	2.571979	0.010963	0.253158
	0.263353	2.571888	0.010966	0.253169
	-0.29642	-2.5714	0.010981	0.253236
	-0.15286	-2.57194	0.010965	0.253169

SLC3A1	-0.35689	-2.57301	0.010932	0.252885
	0.243832	2.573632	0.010913	0.252749
	0.211485	2.573689	0.010911	0.252744
	-0.15468	-2.57071	0.011002	0.253366
	0.226779	2.573767	0.010909	0.252713
MIPEP;IPO7P2;SACS	0.350342	2.574678	0.010881	0.252502
GAS6;GAS6-AS2;TMEM255B;F10;TMCO3	0.22805	2.571799	0.010969	0.253173
HCP5;PPP1R18;HLA-E;HLA-B;LTB;MICB;HSPA1A	-0.27766	-2.57338	0.010921	0.252777
	-0.26053	-2.57339	0.01092	0.252777
HSPA8	0.295212	2.571397	0.010981	0.253236
	0.355601	2.570782	0.011	0.253366
JAK3;FCHO1;IL12RB1;MYO9B;ENSG00000254503;MAST3	-0.37673	-2.57446	0.010888	0.252502
	0.185351	2.571577	0.010975	0.253182
C1QBP	-0.28009	-2.57391	0.010905	0.252711
TGIF2	-0.32206	-2.569	0.011054	0.253701
CSPG5	-0.3529	-2.57354	0.010916	0.252759
CAPN2	0.321958	2.571211	0.010987	0.253275
	-0.38167	-2.57303	0.010931	0.252885
GLTSCR1L	-0.26094	-2.57361	0.010914	0.252749
FHL3	0.245493	2.572904	0.010935	0.252916
	0.345359	2.572632	0.010943	0.252959
	-0.15205	-2.57073	0.011001	0.253366
	0.308905	2.571229	0.010986	0.253275
	0.200901	2.570137	0.011019	0.253423
	0.233918	2.568408	0.011072	0.25385
ENSG00000259881;PIEZO1	-0.27558	-2.57137	0.010982	0.253236
	-0.23826	-2.57277	0.010939	0.252916
	0.396916	2.568997	0.011054	0.253701
	0.339874	2.573679	0.010912	0.252744
	0.354152	2.569266	0.011046	0.253634
SLC16A5	-0.2603	-2.57178	0.010969	0.253173
	0.240702	2.570487	0.011009	0.253387
	-0.25345	-2.57061	0.011005	0.253372
	-0.28558	-2.57048	0.011009	0.253387
LARP4B;DIP2C	0.363597	2.573157	0.010927	0.252882
	0.277985	2.573092	0.010929	0.252882
TSC22D4;LRCH4;SLC12A9	-0.34469	-2.57108	0.010991	0.253305
NSFL1C;ENSG00000226644;SOX12;SIRPA;TGM3;SDCBP2-AS1	-0.35713	-2.56858	0.011067	0.253824
	0.322564	2.574316	0.010892	0.252531
	0.179687	2.572467	0.010948	0.252993
	0.356826	2.569518	0.011038	0.253575
GTF2E2;LINC00589;RBPMS;DUSP4;HMBOX1;KIF13B;TMEM66; GSR	-0.41668	-2.57085	0.010998	0.253365
	-0.28507	-2.57295	0.010934	0.2529
	-0.61447	-2.57286	0.010936	0.252916
	-0.20325	-2.57118	0.010988	0.253282

	-0.1415	-2.56972	0.011032	0.253557
	0.219628	2.573133	0.010928	0.252882
	-0.18316	-2.57036	0.011013	0.253387
	0.196067	2.568338	0.011075	0.253852
	-0.32441	-2.57209	0.01096	0.253119
	0.29164	2.570781	0.011	0.253366
	0.309926	2.573187	0.010926	0.252882
	-0.28444	-2.56801	0.011085	0.253976
	0.345428	2.571887	0.010966	0.253169
FOXA1;CLEC14A;ENSG00000259087	0.35134	2.570767	0.011	0.253366
	-0.22217	-2.56777	0.011092	0.254047
PPP1R9A;COL1A2;ASB4;ENSG00000236197	-0.27919	-2.56705	0.011114	0.254192
	0.245347	2.571908	0.010965	0.253169
GRIK5;CEACAM5	-0.24995	-2.57305	0.010931	0.252885
NRROS;TCTEX1D2;MUC20;CEP19;MUC4	-0.41771	-2.57257	0.010945	0.252991
	0.346843	2.570725	0.011001	0.253366
	0.223147	2.572409	0.01095	0.252993
	0.267761	2.569486	0.011039	0.253575
	-0.22472	-2.57229	0.010954	0.253049
DYRK3;CR1L;SRGAP2;PIGR	-0.4139	-2.57205	0.010961	0.253119
NDRG1;LRRC6;TG	-0.33704	-2.57185	0.010967	0.253172
GSTK1;FAM115B	-0.31964	-2.57386	0.010906	0.252711
	-0.24233	-2.57114	0.010989	0.253283
TBC1D10C;GSTP1;UNC93B1;ALDH3B1;PTPRCAP;FAM86C2P;EN				
SG00000255031;TCIRG1;PPP6R3;ADRBK1	-0.2912	-2.57107	0.010991	0.253305
	0.270934	2.570446	0.01101	0.253387
RNF166;SPATA33;CBFA2T3;SPIRE2;GAS8	0.334265	2.573277	0.010924	0.252834
TRAF3IP1	-0.33778	-2.57298	0.010933	0.252895
RHOU;HIST3H2BB;OBSCN;IBA57;ABCB10;ENSG00000269890;R				
AB4A;TRIM11	-0.33455	-2.56884	0.011059	0.253752
	0.253888	2.57052	0.011008	0.253387
	-0.24752	-2.56951	0.011039	0.253575
AMPD3;MRVI1;WEE1	-0.50132	-2.57176	0.01097	0.253173
	0.223373	2.571238	0.010986	0.253275
	0.272739	2.571342	0.010983	0.253238
	0.248821	2.571274	0.010985	0.253272
	0.346382	2.572639	0.010943	0.252959
TJP3	-0.33098	-2.57282	0.010937	0.252916
	-0.27157	-2.56849	0.01107	0.253824
	-0.41935	-2.57282	0.010938	0.252916
	0.140587	2.572781	0.010939	0.252916
	-0.39217	-2.57099	0.010993	0.253319
ADAMTS15;TMEM45B	-0.26608	-2.57037	0.011012	0.253387
	0.384984	2.569324	0.011044	0.253607
	0.248482	2.572445	0.010949	0.252993
CD93;FOXA2	0.304072	2.57102	0.010992	0.253314
	0.268745	2.568473	0.01107	0.253826

HSPA1L;VWA7;NELFE;LY6G5C;AGPAT1;SLC44A4;TCF19;CCHCR1;HSPA1A	-0.28503	-2.56793	0.011087	0.25399
	-0.39087	-2.57288	0.010936	0.252916
RASAL3;SYDE1;EMR2	-0.38866	-2.5698	0.01103	0.253543
	0.384794	2.571374	0.010982	0.253236
	-0.28805	-2.56903	0.011053	0.253701
KCND3;RAP1A	-0.24286	-2.57094	0.010995	0.253344
	0.24581	2.569329	0.011044	0.253607
	-0.39355	-2.57184	0.010967	0.253172
NBEA	0.435679	2.57158	0.010975	0.253182
	0.3292	2.572446	0.010949	0.252993
	-0.35976	-2.57039	0.011012	0.253387
SAMD5	-0.29801	-2.56552	0.011161	0.254598
	-0.32215	-2.57013	0.01102	0.253423
USP48;EIF4G3	0.280539	2.571604	0.010975	0.253182
	-0.28663	-2.56994	0.011026	0.253503
	-0.35209	-2.57172	0.010971	0.253175
IQCA1;ACKR3	-0.31064	-2.56816	0.01108	0.253909
ODF2L	-0.30009	-2.56759	0.011098	0.254135
	-0.39022	-2.57019	0.011018	0.253407
ENSG00000203739	0.273219	2.570264	0.011016	0.253395
LGALS9	-0.25901	-2.56914	0.01105	0.253698
FAM83H-AS1	0.412745	2.570275	0.011015	0.253395
TBC1D10C;GSTP1;UNC93B1;FAM86C2P;ALDH3B2;ALDH3B1;CTSF;PITPNM1	-0.28418	-2.5685	0.01107	0.253824
	0.18065	2.570196	0.011018	0.253407
	0.14183	2.569654	0.011034	0.253575
	0.114586	2.567253	0.011108	0.254192
	0.248634	2.565909	0.011149	0.254477
RASGRP2;MAP4K2	-0.34048	-2.5695	0.011039	0.253575
	-0.31772	-2.57031	0.011014	0.253388
	0.206286	2.571412	0.01098	0.253236
	-0.21056	-2.57136	0.010982	0.253236
	0.239277	2.571619	0.010974	0.253182
PLIN5	-0.37356	-2.57072	0.011002	0.253366
	0.15806	2.569837	0.011029	0.253542
	-0.32912	-2.57051	0.011008	0.253387
SSU72;NADK;SKI;RER1;MEGF6	0.222201	2.57034	0.011013	0.253387
	0.337948	2.563951	0.01121	0.254878
YY1	0.252793	2.566607	0.011128	0.25438
	0.432643	2.57116	0.010988	0.253283
	0.300703	2.570435	0.01101	0.253387
	0.359686	2.568611	0.011066	0.253824
	-0.31553	-2.56881	0.01106	0.253752
PGD	-0.26695	-2.56942	0.011041	0.253594
	0.211864	2.570364	0.011012	0.253387
	-0.20261	-2.56535	0.011167	0.254628

	-0.30676	-2.56476	0.011185	0.254735
	-0.35704	-2.56834	0.011074	0.253852
ABCA3;SOX8;ENSG00000260807;TMEM204;HN1L;UNKL;TBC1D24;CCNF;TRAF7	-0.78669	-2.57009	0.011021	0.253433
ICAM3;SMARCA4;TMED1;ICAM1;ACP5;TMEM205;AP1M2	-0.24678	-2.57061	0.011005	0.253372
	-0.19557	-2.56522	0.011171	0.254665
	-0.29609	-2.56714	0.011111	0.254192
	-0.37695	-2.56366	0.011219	0.254915
	-0.36013	-2.57163	0.010974	0.253182
	0.288849	2.566554	0.01113	0.25438
	0.287763	2.566387	0.011135	0.254394
	-0.34689	-2.57068	0.011003	0.253369
	0.298336	2.569673	0.011034	0.253575
	0.240601	2.570336	0.011013	0.253387
	-0.26232	-2.56773	0.011093	0.254047
	-0.22684	-2.56721	0.011109	0.254192
	0.273357	2.569983	0.011024	0.253498
	-0.37097	-2.56851	0.011069	0.253824
SMOC2;THBS2	-0.39321	-2.56976	0.011031	0.253557
TMEM219;PPP4C	-0.22853	-2.56507	0.011175	0.254705
PSMG3	-0.29979	-2.5671	0.011113	0.254192
	0.124335	2.570638	0.011004	0.253372
LRRC6;ST3GAL1	0.292637	2.569579	0.011037	0.253575
	0.322178	2.569236	0.011047	0.253642
PIGR;DYRK3;CR1L;PFKFB2;CD46;CD34;C1orf186	-0.34206	-2.56795	0.011086	0.253988
	0.149722	2.568728	0.011063	0.253782
	0.559224	2.567551	0.011099	0.254135
	-0.26778	-2.56635	0.011136	0.254394
TMEM255B;CDC16;GAS6	0.222132	2.564179	0.011203	0.254803
CACNA1C	0.311051	2.568574	0.011067	0.253824
	-0.39745	-2.56901	0.011054	0.253701
SPEG;BCS1L;DES;OBSL1	-0.20877	-2.56796	0.011086	0.253988
	-0.36758	-2.5678	0.011091	0.25404
	-0.31979	-2.56901	0.011054	0.253701
	-0.20946	-2.5682	0.011079	0.253893
	0.402032	2.565815	0.011152	0.254489
	-0.22621	-2.56881	0.01106	0.253752
	0.127665	2.567381	0.011104	0.254159
SLC29A1;TMEM63B	-0.24934	-2.56855	0.011068	0.253824
CLDN12	0.319076	2.566186	0.011141	0.254394
PIK3C2B;FMOD;PRELP;ENSG00000227417;MDM4;PPP1R15B;CNTN2;PLEKHA6	-0.2593	-2.56618	0.011141	0.254394
LPCAT1;TPPP;PDCD6;TRIP13;NKD2	-0.38608	-2.56649	0.011131	0.25438
DUOX1;DUOXA1;SLC30A4;SORD;SPG11;ENSG00000259479	-0.27605	-2.5667	0.011125	0.254356
	0.24388	2.568904	0.011057	0.253748

FBLN2	0.454013	2.569938	0.011026	0.253503
	-0.40531	-2.56908	0.011052	0.253701
	0.284592	2.568821	0.01106	0.253752
	0.283144	2.568283	0.011076	0.253878
IL32	-0.15712	-2.56601	0.011146	0.254462
	0.232488	2.568399	0.011073	0.25385
	0.239705	2.568142	0.011081	0.253909
ARHGAP32;ETS1;FLI1;C11orf45;KCNJ5	0.354662	2.566986	0.011116	0.25422
	-0.19571	-2.56447	0.011194	0.254747
IQCA1;AGAP1	-0.37433	-2.56826	0.011077	0.253884
	0.497209	2.569324	0.011044	0.253607
C16orf46;ENSG00000261141;ENSG00000261838	-0.32859	-2.56378	0.011216	0.25491
	0.332703	2.564598	0.01119	0.254735
LINC00173	-0.55905	-2.56593	0.011149	0.254477
	0.320014	2.569823	0.011029	0.253542
	0.271664	2.56626	0.011139	0.254394
	0.230864	2.560442	0.01132	0.255601
ENSG00000261226	-0.55943	-2.5694	0.011042	0.253595
	-0.20853	-2.56953	0.011038	0.253575
	0.255258	2.567045	0.011114	0.254192
	-0.20268	-2.56725	0.011108	0.254192
	-0.33799	-2.56562	0.011158	0.254545
TFEC	-0.45718	-2.5682	0.011079	0.253893
CD6	0.275682	2.569438	0.011041	0.253594
	-0.34293	-2.56878	0.011061	0.253761
	0.340181	2.567117	0.011112	0.254192
IFFO1;CLSTN3;ANO2;VWF;SCNN1A;LEPREL2;CD9;RBP5;ENSG00				
000257084;GNB3;ATN1;C1RL-AS1;NTF3;MRPL51;SPSB2;C1RL	-0.27172	-2.56291	0.011243	0.254991
	-0.26216	-2.56584	0.011152	0.254488
	-0.3177	-2.56707	0.011114	0.254192
FAM201A;ANKRD18A;SNX18P3	0.19857	2.562757	0.011247	0.254995
	0.390931	2.568892	0.011058	0.253748
	-0.19476	-2.56743	0.011103	0.254152
	0.285831	2.567532	0.011099	0.254135
	-0.36557	-2.56785	0.01109	0.254021
MMP19;GDF11;ITGA7;RBMS2;ERBB3;PTGES3;SMARCC2;RDH5	0.298898	2.564055	0.011207	0.25485
SUN1	0.255391	2.56906	0.011052	0.253701
	0.325558	2.567421	0.011103	0.254152
COX19;CYP2W1	0.419198	2.566031	0.011146	0.254459
RHEB;GIMAP5	-0.28885	-2.56959	0.011036	0.253575
GAS6;F10;TMEM255B;TMCO3;TUBGCP3;GAS6-				
AS1;TFDP1;PCID2	0.446428	2.563491	0.011224	0.254936
	-0.23347	-2.56498	0.011178	0.254716
	0.199817	2.567411	0.011103	0.254152
	0.195982	2.566787	0.011122	0.25432

SLC25A42;MAST3;JAK3;FCHO1;COMP;PGPEP1	-0.33431	-2.56219	0.011265	0.255173
DENND2A;SLC37A3;KIAA1549;KDM7A;HIPK2;MKRN1;JHDM1D-AS1;TTC26;PARP12;RAB19;BRAF	-0.37972	-2.56666	0.011126	0.254368
	0.258533	2.567738	0.011093	0.254047
	0.326844	2.569743	0.011031	0.253557
ZNF638	-0.22924	-2.5662	0.01114	0.254394
FARP1;DOCK9	-0.24639	-2.56392	0.011211	0.254878
	-0.27995	-2.56708	0.011113	0.254192
	0.255025	2.565867	0.011151	0.254488
DACT3;NOVA2;HIF3A;ERCC1;ENSG00000267348;PTGIR	-0.39053	-2.56719	0.01111	0.254192
HIST3H2A;WNT9A;RHOU;RAB4A;IBA57;OBSCN;CCSAP;HIST3H2BB;ENSG00000270110	-0.33848	-2.56787	0.011089	0.254021
	0.284919	2.564682	0.011188	0.254735
	-0.26722	-2.56726	0.011108	0.254192
	-0.29769	-2.56573	0.011155	0.254492
EXOSC10	-0.24333	-2.56719	0.01111	0.254192
	0.274837	2.564568	0.011191	0.254735
C11orf74	-0.36132	-2.56639	0.011135	0.254394
	-0.19612	-2.56507	0.011176	0.254705
	0.418371	2.567437	0.011102	0.254152
	-0.27234	-2.56502	0.011177	0.254713
	0.247792	2.564515	0.011193	0.254747
	-0.1837	-2.56291	0.011243	0.254991
CYP4Z1;CYP4X1	-0.28559	-2.56544	0.011164	0.254601
KIAA1614	-0.29656	-2.56547	0.011163	0.254598
KCTD11;ACAP1	-0.27398	-2.56686	0.01112	0.254281
CSPG4;SCAMP2;COX5A	-0.28428	-2.56302	0.011239	0.254991
ENSG00000260337	-0.34057	-2.5649	0.011181	0.254716
	0.242629	2.566562	0.011129	0.25438
	-0.30277	-2.56308	0.011237	0.254981
	-0.29377	-2.5624	0.011258	0.255126
	-0.26579	-2.56652	0.01113	0.25438
FAM120B	0.43508	2.56754	0.011099	0.254135
	-0.24835	-2.56614	0.011142	0.254394
	0.26768	2.561754	0.011279	0.255271
	0.252996	2.565643	0.011158	0.254543
CMTM4;CMTM3	0.258591	2.567333	0.011106	0.254179
	0.173946	2.564955	0.011179	0.254716
	0.26114	2.564436	0.011195	0.254747
	0.269532	2.564563	0.011191	0.254735
	-0.34134	-2.56622	0.01114	0.254394
RSPO1	-0.23885	-2.5654	0.011165	0.254616
	-0.191	-2.5686	0.011067	0.253824
	0.266041	2.564585	0.011191	0.254735
YKT6	0.204284	2.562381	0.011259	0.255126
TRAC	-0.60463	-2.56575	0.011154	0.254492
PPP1R18;DDR1;DHX16;SLC44A4;CLIC1;VARS2;BAG6;LTB	-0.24993	-2.56493	0.01118	0.254716

	-0.26362	-2.56468	0.011188	0.254735
	-0.37095	-2.56347	0.011225	0.254939
	-0.33058	-2.56675	0.011124	0.254332
	0.244115	2.565047	0.011176	0.254705
RAMP1;LRRFIP1;TRAF3IP1;LINC01107	-0.29699	-2.56856	0.011068	0.253824
	-0.22791	-2.56548	0.011163	0.254598
	0.216593	2.565262	0.01117	0.254648
EXD2;GALNT16	0.227248	2.564433	0.011195	0.254747
	0.329492	2.56421	0.011202	0.254794
	0.254198	2.564907	0.011181	0.254716
	-0.34518	-2.56579	0.011153	0.254492
	0.235487	2.564371	0.011197	0.254747
ENSG00000272841;SLC22A3	0.29267	2.561634	0.011282	0.255273
SRPRB	-0.17297	-2.5666	0.011128	0.25438
	-0.25656	-2.56615	0.011142	0.254394
	0.221786	2.561651	0.011282	0.255273
	0.141392	2.565757	0.011154	0.254492
	0.218664	2.566492	0.011131	0.25438
LINC00710;ECHDC3	0.297907	2.560786	0.011309	0.255521
CBFA2T3;SPATA33;RNF166	0.584844	2.567434	0.011102	0.254152
	-0.3072	-2.56218	0.011265	0.255173
RUNX3;PAQR7	0.251169	2.566257	0.011139	0.254394
CCDC92	-0.25828	-2.56709	0.011113	0.254192
	0.217931	2.558221	0.01139	0.256182
	0.161853	2.566218	0.01114	0.254394
	-0.22419	-2.56484	0.011182	0.254727
	0.270112	2.563621	0.01122	0.254915
	-0.23314	-2.56309	0.011237	0.254981
	0.245303	2.563617	0.011221	0.254915
MRC2	0.25913	2.56584	0.011152	0.254488
	-0.42396	-2.56648	0.011132	0.25438
	-0.40622	-2.56444	0.011195	0.254747
	-0.36072	-2.56436	0.011197	0.254747
	0.268374	2.565952	0.011148	0.254474
	0.29489	2.565386	0.011166	0.254616
	0.366138	2.565155	0.011173	0.254691
RAB11FIP1;ERLIN2	-0.45505	-2.56097	0.011303	0.255462
	0.2507	2.564856	0.011182	0.254727
	0.295904	2.566351	0.011136	0.254394
	0.274583	2.564898	0.011181	0.254716
	-0.32866	-2.56647	0.011132	0.25438
	-0.15179	-2.56218	0.011265	0.255173
	0.230996	2.566185	0.011141	0.254394
	-0.22671	-2.56618	0.011141	0.254394
CCDC40	-0.60899	-2.56368	0.011219	0.254915
	0.276105	2.563859	0.011213	0.25488
	-0.26938	-2.56693	0.011118	0.254246

EFEMP2;PYGM;CD248;LTBP3;TM7SF2;CST6;PPP2R5B;RASGRP2;ENSG00000254510;SIPA1;NAALADL1;ZNHIT2;SF3B2;RNASEH2C;NRXN2;MAP4K2;EHBP1L1;SLC25A45;BANF1;YIF1A;MAP3K11;MRPL49	-0.3989	-2.56277	0.011247	0.254995
	-0.34416	-2.56461	0.01119	0.254735
WBSCR17	-0.37347	-2.56033	0.011323	0.255601
CNTN2	-0.26986	-2.56365	0.01122	0.254915
RNF166;PIEZO1;CBFA2T3;ENSG00000224888;ANKRD11;SNAI3;TRAPPC2L;ENSG00000259881	0.242379	2.563327	0.01123	0.254943
	-0.34455	-2.56051	0.011318	0.255601
	-0.19165	-2.56207	0.011269	0.25518
	-0.1847	-2.55672	0.011437	0.256557
	0.221869	2.563514	0.011224	0.254936
LIMD2;MILR1;ERN1;ACE;CD79B	0.236936	2.564727	0.011186	0.254735
	-0.16345	-2.56115	0.011298	0.255451
C8orf34	-0.36644	-2.56442	0.011196	0.254747
	0.265912	2.564116	0.011205	0.254834
EGFL7;UAP1L1;NOTCH1;ENSG00000237886;FAM69B	-0.44575	-2.5655	0.011162	0.254598
WARS	-0.30077	-2.56506	0.011176	0.254705
	-0.20552	-2.5635	0.011224	0.254936
	0.350048	2.563702	0.011218	0.254915
	-0.30967	-2.56465	0.011188	0.254735
ENSG00000234478;H3F3A;C1orf95;ITPKB;PYCR2	0.16935	2.561986	0.011271	0.255188
	0.170656	2.562245	0.011263	0.255173
IQCA1	-0.32147	-2.55923	0.011358	0.255786
	0.449068	2.564296	0.011199	0.254748
	0.165708	2.563863	0.011213	0.25488
RSPH3;EZR	-0.26532	-2.56618	0.011141	0.254394
	0.348267	2.563984	0.011209	0.254873
SPDEF	-0.21097	-2.56402	0.011208	0.254864
	-0.17171	-2.56467	0.011188	0.254735
ENSG00000257954;SPATS2;CERS5;COX14	-0.3213	-2.56175	0.011279	0.255271
AGBL3	-0.41947	-2.56354	0.011223	0.254936
	-0.22286	-2.56532	0.011168	0.254633
	0.381959	2.563229	0.011233	0.254945
	-0.22084	-2.56048	0.011318	0.255601
	0.240095	2.559215	0.011358	0.255786
HEPHL1	0.292765	2.561521	0.011286	0.255314
COPB1	0.333427	2.564715	0.011186	0.254735
	-0.2798	-2.56597	0.011148	0.254474
	0.286228	2.562695	0.011249	0.255016
	0.129475	2.56528	0.011169	0.254648
	-0.25989	-2.56431	0.011199	0.254748
PTPRU;EPB41;ENSG00000227637;TRNAU1AP;FGR;THEMIS2;ATPIF1	-0.37367	-2.5616	0.011283	0.255273
C22orf34	0.512055	2.564354	0.011198	0.254747
	-0.25962	-2.56295	0.011241	0.254991

	0.276293	2.563082	0.011237	0.254981
	0.201248	2.56431	0.011199	0.254748
NCF2	-0.40024	-2.56407	0.011206	0.25485
ACVRL1;GRASP;ACVR1B;KRT80;TENC1;AAAS;KRT18	-0.33215	-2.56106	0.0113	0.255462
	-0.22774	-2.56325	0.011232	0.254945
	0.308706	2.564564	0.011191	0.254735
SEPT4;DGKE;MSI2	0.398889	2.563314	0.01123	0.254943
	-0.14724	-2.56386	0.011213	0.25488
TSPAN4	-0.30164	-2.55992	0.011336	0.255702
	0.285016	2.564637	0.011189	0.254735
TULP3;FOXM1	-0.34976	-2.56367	0.011219	0.254915
	-0.2248	-2.56182	0.011276	0.255271
	0.195685	2.565145	0.011173	0.254691
ADRB1;AFAP1L2;DCLRE1A	0.403828	2.561133	0.011298	0.255451
	-0.20439	-2.56219	0.011265	0.255173
	0.221362	2.562258	0.011263	0.255173
	0.302263	2.561672	0.011281	0.255273
AMPD3;DKK3;MRVI1;MICALCL	0.393054	2.563424	0.011227	0.254943
	0.213404	2.563311	0.01123	0.254943
	0.301659	2.563562	0.011222	0.254936
	-0.13906	-2.56205	0.011269	0.25518
	-0.41421	-2.56439	0.011197	0.254747
FERMT2;NID2	-0.22255	-2.56393	0.011211	0.254878
DENND2C;AMPD1;VANGL1;CASQ2;CD58	-0.30404	-2.562	0.011271	0.255188
	-0.18657	-2.56313	0.011236	0.254981
	0.351195	2.563269	0.011231	0.254945
PDCD6;SDHA	-0.27616	-2.56282	0.011245	0.254991
	0.314756	2.562871	0.011244	0.254991
SLFN12L;ENSG00000267554;ENSG00000267074;ENSG00000255987;ENSG00000267369;C17orf66;SLFN13;ENSG00000266956;GAS2L2;ENSG00000267046	0.54655	2.562854	0.011244	0.254991
	-0.35285	-2.55822	0.01139	0.256182
	0.372499	2.562916	0.011242	0.254991
NLGN2;CLDN7;BCL6B;KCTD11;WSCD1;MED31;SLC2A4;NLRP1	0.229544	2.560418	0.01132	0.255601
WBP2	-0.29677	-2.56239	0.011259	0.255126
	-0.35325	-2.56179	0.011278	0.255271
	-0.2377	-2.56339	0.011228	0.254943
	0.224838	2.563793	0.011215	0.25491
	-0.31138	-2.56127	0.011294	0.255415
	-0.25031	-2.56288	0.011244	0.254991
	-0.20226	-2.56207	0.011269	0.25518
	-0.15281	-2.56011	0.01133	0.255697
SLC50A1;JTB;NPR1;TDRD10;SHE;GATAD2B;MUC1;S100A8;ILF2;KCNN3	-0.27346	-2.56101	0.011302	0.255462
TAP2;HLA-DOA;HLA-DMA;TAP1	0.333396	2.561381	0.01129	0.255373
	0.305976	2.55943	0.011351	0.255755

ENSG00000249574	-0.29161	-2.55927	0.011357	0.255786
	0.308925	2.563694	0.011218	0.254915
LPCAT1;TPPP;PDCD6	-0.38621	-2.55908	0.011362	0.255812
NOVA2;EXOC3L2	-0.38502	-2.56162	0.011283	0.255273
	0.222823	2.563252	0.011232	0.254945
USP10;ENSG00000262601;ATP2C2;KIAA0513	-0.23437	-2.5613	0.011293	0.255415
EGFL7;GPSM1	0.25664	2.5628	0.011246	0.254991
	-0.24541	-2.56302	0.011239	0.254991
	0.227634	2.560045	0.011332	0.255697
	-0.22438	-2.5607	0.011311	0.255527
DOCK2;LCP2	0.280787	2.562636	0.011251	0.25504
	0.206482	2.56238	0.011259	0.255126
	-0.31296	-2.56212	0.011267	0.255177
STPG1;CLIC4;RCAN3	0.229567	2.561463	0.011288	0.255328
	0.375689	2.562851	0.011244	0.254991
	-0.27398	-2.56181	0.011277	0.255271
	0.34092	2.561771	0.011278	0.255271
	0.232075	2.560809	0.011308	0.255521
IRF4;FOXF2	0.291241	2.562599	0.011252	0.255052
	0.258979	2.562689	0.011249	0.255016
	0.26151	2.559689	0.011343	0.255708
	-0.16282	-2.56148	0.011287	0.255328
GPATCH2L;TGFB3;IFT43;LTBP2;PGF;ZC2HC1C;MLH3;TTLL5;ISCA 2	-0.48795	-2.56213	0.011267	0.255177
CASZ1;SLC2A5	0.342785	2.559636	0.011345	0.255708
	0.351531	2.562481	0.011256	0.255122
	0.392373	2.563314	0.01123	0.254943
	0.23667	2.559947	0.011335	0.255699
	0.265468	2.561599	0.011283	0.255273
	0.256336	2.556239	0.011452	0.256575
	0.279104	2.559753	0.011341	0.255708
	0.250583	2.563165	0.011235	0.254977
	0.238465	2.560972	0.011303	0.255462
	0.259546	2.563309	0.01123	0.254943
	0.237814	2.560686	0.011312	0.255527
	-0.54471	-2.55978	0.011341	0.255708
	-0.38754	-2.55982	0.011339	0.255708
	0.286606	2.562984	0.01124	0.254991
	0.375888	2.559256	0.011357	0.255786
	-0.2059	-2.55974	0.011342	0.255708
DENND2D	0.257741	2.563329	0.01123	0.254943
	-0.28067	-2.56111	0.011299	0.255451
	-0.18523	-2.56091	0.011305	0.255488
	0.197437	2.559193	0.011359	0.255787
ZNF165;HCG14	-0.32482	-2.5604	0.011321	0.255601
	-0.38421	-2.55963	0.011345	0.255708
MPRIP;LRRC48;ENSG00000232344	0.342511	2.560067	0.011331	0.255697

EI24;STT3A;MSANTD2;PUS3	0.39689	2.560228	0.011326	0.255648
KLK11;TEAD2;PRRG2;MYH14;RRAS;CPT1C;RCN3;PIH1D1;KLK12;				
VRK3	-0.33255	-2.55779	0.011403	0.25628
	0.358929	2.562153	0.011266	0.255177
ARHGEF10;CLN8	-0.38157	-2.55989	0.011337	0.255708
	-0.26722	-2.55965	0.011345	0.255708
	-0.19813	-2.5628	0.011246	0.254991
ARHGEF15;ENSG00000270606;BCL6B;CLDN7;PER1	0.285938	2.557816	0.011402	0.25628
	0.290198	2.55629	0.011451	0.256575
	0.211246	2.559246	0.011357	0.255786
NKTR	0.206046	2.559629	0.011345	0.255708
	-0.22743	-2.55983	0.011339	0.255708
	0.268475	2.561124	0.011298	0.255451
SYCP2L;NEDD9;TMEM14B;MAK;C6orf52	0.456317	2.558273	0.011388	0.256182
	-0.22552	-2.55781	0.011402	0.25628
	0.228233	2.560993	0.011302	0.255462
ENSG00000226328;RIBC2;PRR5;NUP50;FBLN1;PPARA;ENSG00				
000197182;ENSG00000238120;ATXN10;PHF21B	-0.32296	-2.55794	0.011398	0.25626
FXYD3;ENSG00000269086	-0.24923	-2.55795	0.011398	0.25626
	-0.21659	-2.56031	0.011324	0.255601
ZNF638	-0.30441	-2.55646	0.011445	0.256566
ZBTB9;PHF1;C6orf106;SLC39A7;CUTA	0.177242	2.561098	0.011299	0.255451
KIAA0125;IGHV3-21	0.399457	2.560383	0.011322	0.255601
	-0.20735	-2.56174	0.011279	0.255271
TTC39A;TXNDC12;ENSG00000225767	0.213914	2.559493	0.011349	0.255755
	-0.27068	-2.5589	0.011368	0.255913
AMOTL1;FUT4	0.281127	2.557212	0.011421	0.256424
	-0.32491	-2.56116	0.011297	0.255451
	-0.17723	-2.55912	0.011361	0.255812
	0.309759	2.560733	0.011311	0.255521
	-0.28241	-2.56041	0.011321	0.255601
IL10RA	0.415147	2.562355	0.01126	0.25513
USP10;HSBP1	-0.3642	-2.55877	0.011372	0.25598
	0.339704	2.557899	0.0114	0.256273
	-0.28377	-2.56014	0.011329	0.255697
	0.230161	2.558972	0.011366	0.255877
LIMD2;ERN1;CD79B;MILR1;ACE	-0.4246	-2.56244	0.011257	0.255126
	-0.43251	-2.55877	0.011372	0.25598
	0.214661	2.559516	0.011349	0.255755
CST6;CTSW	-0.2321	-2.55852	0.01138	0.256082
	0.219235	2.559087	0.011362	0.255812
	0.213632	2.560846	0.011307	0.255521
PCDH12;ARAP3;SPRY4;ARHGAP26;PCDH1;KIAA0141	0.326525	2.558443	0.011383	0.256117
DIP2C;PRR26;ENSG00000272992	0.402939	2.557776	0.011404	0.25628
ABCC10;CAPN11	-0.59378	-2.56202	0.01127	0.255188
	0.325892	2.560818	0.011308	0.255521
PTGR1	0.379141	2.559956	0.011335	0.255699

ENSG00000264527;RNF224;INPP5E;SLC34A3;NACC2;C9orf163;				
TUBB4B;NRARP;UBAC1;LCNL1;GRIN1	-0.31338	-2.55754	0.011411	0.256337
LRRC34	-0.32813	-2.55592	0.011462	0.256576
COL13A1	-0.39235	-2.55498	0.011492	0.256812
ARHGAP22;WDFY4;C10orf128	0.322996	2.559686	0.011343	0.255708
	-0.27822	-2.55911	0.011362	0.255812
	0.241846	2.560318	0.011324	0.255601
ITGA5;PDE1B;ITGB7;NCKAP1L	0.350855	2.561014	0.011302	0.255462
	-0.23385	-2.5542	0.011517	0.256979
	0.336934	2.560024	0.011333	0.255698
TSPAN3	-0.26341	-2.55555	0.011474	0.256625
	0.191376	2.559699	0.011343	0.255708
	0.186314	2.560604	0.011315	0.255571
	-0.16821	-2.55949	0.01135	0.255755
	0.206812	2.559976	0.011334	0.255699
	0.143388	2.559371	0.011353	0.255769
	0.414259	2.56055	0.011316	0.255596
CRTAP;FBXL2;CNOT10	-0.29337	-2.55631	0.01145	0.256575
	0.146677	2.556869	0.011432	0.256518
	0.30685	2.557826	0.011402	0.25628
CACNA2D1	0.351706	2.559828	0.011339	0.255708
C17orf89	-0.31986	-2.56075	0.01131	0.255521
EYA1	0.422443	2.55658	0.011441	0.256566
SYNPO;HMGXB3;NDST1;PDGFRB;ENSG00000253864;MIR143H				
G;PCYOX1L;MIR145	0.170629	2.560051	0.011332	0.255697
	0.332162	2.557989	0.011397	0.25626
FGF2;SPRY1;SPATA5;BBS12;LINC01091	-0.43088	-2.55771	0.011406	0.256287
MFSD6	0.268388	2.558181	0.011391	0.256184
	-0.34479	-2.56075	0.01131	0.255521
TBC1D10C;PTPRCAP;GSTP1	0.259446	2.560063	0.011332	0.255697
SCARF1;ENSG00000228133	-0.30709	-2.56161	0.011283	0.255273
	0.338114	2.55738	0.011416	0.256399
ENSG00000261488;CD96;C3orf52;ZBED2;SLC9C1;BTLA;ENSG00				
000244720;ENSG00000239482	-0.36079	-2.55715	0.011423	0.256427
	-0.27124	-2.55997	0.011335	0.255699
	-0.20824	-2.55398	0.011524	0.257037
	0.230896	2.559462	0.01135	0.255755
	0.22435	2.556221	0.011453	0.256575
	0.286914	2.557275	0.011419	0.256424
TNNI2;IFITM1;ANO9	-0.34559	-2.56033	0.011323	0.255601
	-0.19456	-2.55946	0.011351	0.255755
TRAF3IP1	-0.25992	-2.55692	0.011431	0.256496
CDH13	-0.36394	-2.56126	0.011294	0.255415
	0.188911	2.555285	0.011482	0.256688
	-0.3021	-2.55983	0.011339	0.255708
FBXO7	-0.22539	-2.55351	0.011539	0.257161
	-0.24203	-2.55808	0.011394	0.256223

IQCA1;RPL3P5;ACKR3	-0.46803	-2.55873	0.011373	0.255991
	0.283566	2.555881	0.011463	0.256576
	-0.15566	-2.55796	0.011398	0.25626
APIP	0.277521	2.554918	0.011494	0.256813
	0.186441	2.558177	0.011391	0.256184
	-0.22988	-2.55325	0.011547	0.257207
	-0.39616	-2.55938	0.011353	0.255769
	-0.27273	-2.55597	0.011461	0.256576
	-0.26607	-2.55589	0.011463	0.256576
FCGR3A;NUF2;C1orf226;C1orf111;FCGR2C	-0.66763	-2.55748	0.011413	0.256353
INPP5D;EFHD1;B3GNT7	-0.30423	-2.55925	0.011357	0.255786
	0.243962	2.558587	0.011378	0.256055
	0.282472	2.55651	0.011444	0.256566
LOH12CR1	-0.25047	-2.55402	0.011523	0.257037
	-0.3144	-2.55823	0.011389	0.256182
	-0.20236	-2.55746	0.011414	0.256357
	0.226887	2.556483	0.011444	0.256566
	0.339849	2.559301	0.011356	0.255786
MTHFD2;HK2;RTKN;SMYD5;M1AP	-0.32691	-2.55837	0.011385	0.25614
	-0.35729	-2.55663	0.01144	0.256566
SLC35A3;SLC30A7;RTCA	-0.44227	-2.55411	0.01152	0.257006
	-0.21223	-2.55494	0.011493	0.256813
	0.238925	2.558137	0.011392	0.256199
	0.282655	2.55722	0.011421	0.256424
NUGGC;HMBOX1;PBK;SCARA5;FZD3	-0.55615	-2.55835	0.011385	0.25614
	-0.22118	-2.55945	0.011351	0.255755
	0.192085	2.551182	0.011613	0.257753
	-0.22981	-2.56041	0.011321	0.255601
ANXA4;PAIP2B	0.243743	2.558511	0.01138	0.256082
	0.264305	2.557966	0.011398	0.25626
DNAJC18;ECSCR;PURA;WDR55;SPATA24;CTNNA1;IGIP;NRG2	-0.34234	-2.55685	0.011433	0.256518
WDR61	-0.45668	-2.55598	0.01146	0.256576
	0.178501	2.555721	0.011469	0.256576
	-0.59852	-2.55705	0.011426	0.256472
	0.263178	2.557241	0.01142	0.256424
LRRC49	0.248927	2.555918	0.011462	0.256576
	-0.24385	-2.5553	0.011482	0.256688
BMPR1B	-0.33409	-2.55869	0.011375	0.256009
BACE1	-0.17532	-2.55698	0.011429	0.256483
	-0.29762	-2.55732	0.011418	0.256424
TP53I11	0.375583	2.556832	0.011433	0.256518
TEC;ATP10D;CORIN;NIPAL1	-0.43504	-2.55657	0.011442	0.256566
	0.225829	2.558413	0.011383	0.256125
ABLIM2	0.193185	2.555704	0.011469	0.256576
	-0.44363	-2.55143	0.011605	0.257709
	-0.2465	-2.55282	0.011561	0.257315

	0.315883	2.557781	0.011403	0.25628
FAM109B	0.148301	2.556732	0.011437	0.256557
WIPF1	-0.37192	-2.55662	0.01144	0.256566
	-0.17416	-2.55543	0.011478	0.256649
SH3BP4	-0.31958	-2.55472	0.0115	0.256836
FBLN2	0.256241	2.557279	0.011419	0.256424
	0.295946	2.55624	0.011452	0.256575
	0.18702	2.556611	0.01144	0.256566
	0.242886	2.557153	0.011423	0.256427
	-0.27036	-2.55508	0.011489	0.256762
	-0.20393	-2.55571	0.011469	0.256576
	-0.28229	-2.55608	0.011457	0.256576
	-0.22548	-2.55111	0.011616	0.257766
TMC8;CBX2;C1QTNF1;ENSG00000178404;TNRC6C;TNRC6C-AS1;TMC6;DNAH17;ENSG00000267491	-0.33591	-2.55616	0.011455	0.256576
	-0.35831	-2.55586	0.011464	0.256576
	-0.2457	-2.55486	0.011496	0.256813
ANKRD35	0.309734	2.557596	0.011409	0.256326
	-0.18941	-2.55376	0.011531	0.257129
ARL16	-0.22209	-2.55437	0.011511	0.256935
	0.296864	2.556518	0.011443	0.256566
	0.137928	2.555981	0.01146	0.256576
	0.269652	2.555409	0.011478	0.256649
TP73-AS1;MEGF6;PANK4;DFFB	-0.25699	-2.55393	0.011526	0.257049
MEIS1;ENSG00000232046	0.314818	2.555397	0.011479	0.256649
TRAC;SLC7A7;RBM23	-0.40448	-2.55725	0.01142	0.256424
	-0.43195	-2.55586	0.011464	0.256576
	0.202149	2.556951	0.01143	0.256488
ZHX2;FER1L6;ENSG00000254000;TBC1D31;FER1L6-AS2;FER1L6-AS1	-0.3585	-2.55576	0.011467	0.256576
NCKAP1L;ITGA5	-0.22003	-2.55634	0.011449	0.256575
ENSG00000264198	0.28171	2.554206	0.011517	0.256979
MRPL14;TMEM63B;SLC29A1	-0.4836	-2.55635	0.011449	0.256575
	-0.26801	-2.55569	0.01147	0.256576
WDR45B;PCYT2;MAFG-AS1;C17orf62;LRRC45;NOTUM	-0.26863	-2.55271	0.011565	0.257325
PGD;SPSB1;PIK3CD;NMNAT1	-0.44803	-2.55763	0.011408	0.256316
	-0.28095	-2.55459	0.011504	0.256853
	0.192414	2.554576	0.011505	0.256853
	-0.18029	-2.55507	0.011489	0.256762
LDB2;FGFBP1	-0.29181	-2.55605	0.011458	0.256576
TIFAB;CXCL14;TCF7;PCBD2	0.332343	2.556976	0.011429	0.256483
	0.228735	2.557693	0.011406	0.256287
	-0.29199	-2.55359	0.011536	0.257129
	-0.34028	-2.55566	0.011471	0.256584
	0.297572	2.551373	0.011607	0.257712
YIPF1;TMEM59;TTC22;TCEANC2;HSPB11;ACOT11	-0.36472	-2.55332	0.011545	0.257197
	-0.33574	-2.55453	0.011506	0.256853

	0.283637	2.558627	0.011377	0.25604
	-0.35996	-2.55655	0.011442	0.256566
EPB41L1;RBL1	-0.28223	-2.55273	0.011564	0.257325
ENSG00000272686	0.285436	2.554735	0.0115	0.256836
	0.309965	2.55515	0.011487	0.256733
	-0.37301	-2.55701	0.011428	0.256483
	0.15945	2.556268	0.011451	0.256575
	0.295454	2.554081	0.011521	0.257007
	0.20414	2.55769	0.011406	0.256287
	0.316103	2.554286	0.011514	0.256958
	0.267161	2.55597	0.011461	0.256576
	0.223498	2.553095	0.011552	0.257265
	0.204321	2.555799	0.011466	0.256576
ZNF366;ENSG00000261269;ARHGEF28	0.385751	2.555828	0.011465	0.256576
ACTR3;SLC35F5	-0.40002	-2.55774	0.011405	0.256287
	0.183732	2.556311	0.01145	0.256575
ADARB1;COL6A1;COL6A2;COL18A1;ENSG00000268805;COL18 A1-AS1;COL18A1-AS2;ENSG00000267857	0.294343	2.555453	0.011477	0.256649
MAFG-AS1;WDR45B;ENSG00000268852;C17orf62;LRRC45	-0.2989	-2.55715	0.011423	0.256427
	0.257738	2.552153	0.011582	0.257479
	0.392056	2.55667	0.011438	0.256566
PRICKLE2;PRDX3P4;SYNPR	0.284738	2.556805	0.011434	0.256524
ENSG00000255428	0.290632	2.555769	0.011467	0.256576
GBP7	-0.20483	-2.55304	0.011554	0.257265
	-0.33413	-2.55172	0.011596	0.257639
	0.273071	2.553595	0.011536	0.257129
UBE2Q1	0.122701	2.554605	0.011504	0.256853
	-0.358	-2.551	0.011619	0.257769
	0.34168	2.555471	0.011476	0.256649
	-0.21438	-2.55523	0.011484	0.256701
	0.231078	2.55635	0.011449	0.256575
	0.240932	2.552742	0.011563	0.257325
	0.288797	2.557576	0.01141	0.256327
	0.123296	2.551502	0.011603	0.257709
C16orf80;BBS2;CCDC113;CCDC135;MT3;ENSG00000260438;PR SS54;KATNB1	0.308018	2.554524	0.011507	0.256853
EFNB2	-0.46649	-2.55653	0.011443	0.256566
AKR7A2;KLHDC7A;NBL1;IFFO2	-0.56545	-2.55363	0.011535	0.257129
SPIRE2;CBFA2T3	-0.59694	-2.55484	0.011496	0.256813
	-0.28402	-2.55591	0.011462	0.256576
	0.31197	2.556197	0.011453	0.256576
DBR1	-0.28729	-2.55379	0.01153	0.257122
	0.334168	2.553467	0.01154	0.257161
PPIF;ZCCHC24	-0.30401	-2.55602	0.011459	0.256576
	0.139643	2.556044	0.011458	0.256576
	-0.29483	-2.55412	0.011519	0.257006

ARHGEF15;ELP5;BCL6B;NLGN2	-0.2615	-2.55208	0.011585	0.257493
ATP6V0A4;TMEM213;DGKI	-0.30671	-2.55599	0.01146	0.256576
SIPA1;NRXN2;RASGRP2;MAP4K2;SLC25A45;CD248;CTSW;CST6;				
TM7SF2;EFEMP2;EHD1;MAP3K11;LTBP3;PPP2R5B	-0.30282	-2.55454	0.011506	0.256853
APLNR;SLC43A1;TIMM10;TNKS1BP1	0.309152	2.554294	0.011514	0.256958
	-0.22827	-2.55078	0.011626	0.2578
	0.28856	2.557123	0.011424	0.256433
	0.215039	2.556357	0.011448	0.256575
	0.133477	2.555462	0.011477	0.256649
	0.293412	2.555304	0.011482	0.256688
	-0.18351	-2.55515	0.011487	0.256733
	-0.16709	-2.55307	0.011553	0.257265
	0.299055	2.555757	0.011467	0.256576
MAP3K3	-0.30175	-2.54944	0.011669	0.258144
	0.270221	2.553393	0.011543	0.257187
	-0.28674	-2.55305	0.011553	0.257265
	0.295136	2.557517	0.011412	0.256342
	0.234913	2.552529	0.01157	0.257399
	-0.17259	-2.55242	0.011574	0.257399
RERE;ENSG00000227950;ENSG00000270282	0.32563	2.553652	0.011534	0.257129
AKR1C3;FAM208B;GDI2	0.319869	2.552566	0.011569	0.257386
	0.157666	2.552823	0.011561	0.257315
	0.251758	2.552925	0.011558	0.257305
	0.30213	2.553617	0.011535	0.257129
NEK5;THSD1	0.237032	2.553882	0.011527	0.257067
	-0.35227	-2.55372	0.011532	0.257129
ENSG00000226029	0.171346	2.554791	0.011498	0.256836
ADAMTS2;FLT4;ZNF354C;RNF130;GFPT2;PRDX2P3;BTNL9	-0.29175	-2.55158	0.011601	0.257702
	0.301258	2.555229	0.011484	0.256701
	0.325596	2.55486	0.011496	0.256813
	-0.33742	-2.55637	0.011448	0.256575
	0.274765	2.554897	0.011495	0.256813
	-0.35314	-2.55302	0.011555	0.257265
	0.230879	2.55488	0.011495	0.256813
	-0.4158	-2.55164	0.011599	0.257673
	0.356728	2.554281	0.011514	0.256958
SEMA6C;POGZ;S100A11;S100A10	-0.28849	-2.55647	0.011445	0.256566
	-0.35461	-2.55028	0.011642	0.257971
ENSG00000213279;C22orf34	-0.28112	-2.55109	0.011616	0.257766
	-0.25823	-2.55474	0.0115	0.256836
NRROS	-0.38829	-2.55315	0.01155	0.257239
	0.226174	2.554567	0.011505	0.256853
FZD4;SYTL2;DLG2;ENSG00000255471;CCDC89	-0.35281	-2.55183	0.011593	0.257591
	0.243781	2.553619	0.011535	0.257129
COL4A4;IRS1	0.347846	2.552502	0.011571	0.257399

JAM2;ADAMTS1;ADAMTS5;ENSG00000197934	-0.42354	-2.55559	0.011473	0.256604
	0.240655	2.552281	0.011578	0.257455
	-0.40784	-2.55367	0.011534	0.257129
	-0.23593	-2.55472	0.0115	0.256836
	-0.23359	-2.55562	0.011472	0.256596
SHANK2;CTTN;SHANK2-AS3	0.467756	2.555948	0.011461	0.256576
FGD5;GRIP2;ZFYVE20;ANKRD28;BTD;TMEM43;ENSG00000251				
576;ENSG00000228242;HACL1;TPRXL	-0.32235	-2.5541	0.01152	0.257006
DAXX	-0.17495	-2.54889	0.011687	0.258255
RALGAPA1;BAZ1A;SRP54;SNX6;PPP2R3C;FAM177A1;CFL2	-0.32498	-2.54708	0.011746	0.258621
	-0.27789	-2.55198	0.011588	0.257528
	0.17043	2.553935	0.011525	0.257049
	0.263433	2.55283	0.011561	0.257315
	-0.25673	-2.55442	0.01151	0.256913
	0.243522	2.552718	0.011564	0.257325
	0.24728	2.547447	0.011734	0.258509
	0.384176	2.554641	0.011503	0.256853
	0.263437	2.550246	0.011643	0.25798
SNRPD2;TOMM40	0.285715	2.547634	0.011728	0.258453
	0.253447	2.549335	0.011673	0.258144
	0.37443	2.553264	0.011547	0.257207
	0.453232	2.548659	0.011695	0.258305
EGFL7	0.187828	2.550093	0.011648	0.258062
	0.350814	2.552416	0.011574	0.257399
	0.242318	2.552462	0.011572	0.257399
	0.163397	2.550346	0.01164	0.257965
LMCD1;JAGN1;SRGAP3-AS2;EMC3	0.329324	2.553221	0.011548	0.257216
EPHA6;MINA	-0.29665	-2.55073	0.011628	0.257822
GZMB	0.206065	2.552439	0.011573	0.257399
	-0.29574	-2.55461	0.011504	0.256853
	-0.29113	-2.55135	0.011608	0.257712
ZCCHC11;GPX7;SLC1A7;LRP8	0.236744	2.553375	0.011543	0.257187
TRAPPC12-AS1	0.451924	2.553401	0.011542	0.257187
TG	-0.25076	-2.55051	0.011635	0.257916
	0.308273	2.552185	0.011581	0.257479
	-0.30495	-2.55098	0.01162	0.257769
	-0.19963	-2.54982	0.011657	0.258113
VIMP	0.258434	2.545374	0.011801	0.258993
	-0.57373	-2.54899	0.011684	0.258249
	-0.30851	-2.55063	0.011631	0.257852
	-0.18377	-2.54128	0.011935	0.260028
	-0.51246	-2.54932	0.011673	0.258144
	-0.27223	-2.55269	0.011565	0.257325
	-0.24024	-2.55263	0.011567	0.257354
	-0.20361	-2.55223	0.01158	0.257475
	-0.17691	-2.55349	0.01154	0.257161

	0.364815	2.550423	0.011638	0.257947
ZNF423;NKD1	0.297416	2.54437	0.011834	0.259254
ANAPC16	0.284198	2.552331	0.011577	0.257439
	-0.25887	-2.55216	0.011582	0.257479
	0.262708	2.548943	0.011685	0.258253
	-0.21958	-2.55105	0.011618	0.257766
	-0.23558	-2.55146	0.011604	0.257709
	0.139443	2.548682	0.011694	0.258305
	0.213444	2.553287	0.011546	0.257207
	0.287563	2.553334	0.011544	0.257197
	-0.38247	-2.55186	0.011592	0.257583
	0.268541	2.552323	0.011577	0.257439
LCA5L;ERG;WRB	-0.4513	-2.55348	0.01154	0.257161
	0.369874	2.55269	0.011565	0.257325
	-0.31509	-2.55124	0.011611	0.257753
	-0.37275	-2.55104	0.011618	0.257766
	-0.23182	-2.55217	0.011582	0.257479
	-0.16466	-2.55123	0.011612	0.257753
	0.253737	2.553643	0.011535	0.257129
KRT15	-0.22717	-2.55047	0.011636	0.257929
	0.20765	2.550919	0.011622	0.257769
	-0.20789	-2.55165	0.011598	0.257673
	0.247257	2.550342	0.01164	0.257965
SPSB1;RBP7;SLC45A1;KIF1B	-0.4237	-2.54943	0.01167	0.258144
	-0.29136	-2.5521	0.011584	0.257488
	-0.19737	-2.5485	0.0117	0.258305
ATF4	-0.25718	-2.54918	0.011678	0.258202
	0.24874	2.553981	0.011524	0.257037
	0.232943	2.55319	0.011549	0.257224
	0.201774	2.551042	0.011618	0.257766
	0.276739	2.55004	0.01165	0.258073
	-0.20405	-2.552	0.011587	0.257528
	-0.2442	-2.55085	0.011624	0.257787
	-0.28974	-2.55249	0.011571	0.257399
	-0.25243	-2.54895	0.011685	0.258253
	0.214982	2.549759	0.011659	0.258113
SFRP4;KIAA0895;ELMO1;ANLN	0.359433	2.551472	0.011604	0.257709
	0.266554	2.551948	0.011589	0.257531
	0.258613	2.549649	0.011663	0.258121
	-0.1568	-2.55119	0.011613	0.257753
	0.366068	2.552837	0.01156	0.257315
	-0.29693	-2.55052	0.011635	0.257916
	-0.53037	-2.55145	0.011605	0.257709
PTP4A3;ENSG00000271959	0.246015	2.550781	0.011626	0.2578
AKAP5;SYNE2	-0.32965	-2.55287	0.011559	0.257315
	0.186602	2.554195	0.011517	0.256979
MYO9B;PLVAP;USHBP1;NR2F6;FAM129C;NWD1;SIN3B	-0.30119	-2.54951	0.011667	0.258144

ZBTB9;ENSG00000272288;SPDEF;PFDN6;UQCC2;IP6K3	-0.23133	-2.54652	0.011764	0.258774
	0.347855	2.545738	0.011789	0.258982
SKI;LINC00982;TP73-AS1;PRDM16;MEGF6;DFFB;RER1	0.326047	2.551971	0.011588	0.257528
TPI1P2	-0.358	-2.55037	0.011639	0.257965
	-0.23848	-2.55093	0.011621	0.257769
C11orf49;KBTBD4;HARBI1;AGBL2	-0.30302	-2.54835	0.011705	0.258321
	-0.19419	-2.55178	0.011594	0.257614
	0.19073	2.549989	0.011652	0.258083
	0.319047	2.552106	0.011584	0.257488
	-0.15515	-2.55117	0.011614	0.257753
	0.246749	2.548724	0.011692	0.258305
	0.407718	2.54843	0.011702	0.258314
BCDIN3D-AS1	0.290379	2.54972	0.01166	0.258114
	0.293065	2.551037	0.011618	0.257766
FBXO17;ZNF546;EID2B	-0.27954	-2.5472	0.011742	0.258555
	0.280501	2.550919	0.011622	0.257769
CCRL2	0.20793	2.549776	0.011658	0.258113
SH2D3C	-0.25086	-2.54369	0.011856	0.259377
	-0.294	-2.54979	0.011658	0.258113
	0.24289	2.54626	0.011772	0.258792
	0.249393	2.547007	0.011748	0.258621
CAPN2	-0.28194	-2.55093	0.011621	0.257769
	0.265874	2.54841	0.011703	0.258314
	-0.41437	-2.54526	0.011805	0.258993
	0.21054	2.549414	0.01167	0.258144
	0.221586	2.546742	0.011756	0.25869
	0.203344	2.544647	0.011825	0.259188
ENSG00000228037	0.19319	2.549548	0.011666	0.258144
	-0.24075	-2.54943	0.01167	0.258144
	0.186144	2.548496	0.0117	0.258305
ACVR1B;TFCP2;SLC11A2;BIN2	0.30218	2.553	0.011555	0.257265
DRG1	0.231629	2.550892	0.011623	0.257774
	0.303878	2.550797	0.011626	0.2578
SLC23A1;IK;TMEM173;CYSTM1;ECSCR;SPATA24;ZMAT2;PAIP2	0.253381	2.548677	0.011694	0.258305
	-0.21013	-2.55031	0.011641	0.257971
	-0.21757	-2.54974	0.01166	0.258113
HES6	-0.35352	-2.55147	0.011604	0.257709
IST1	0.327465	2.55136	0.011608	0.257712
	-0.2172	-2.54783	0.011721	0.258453
	-0.40434	-2.55118	0.011613	0.257753
RASAL3	-0.28036	-2.54813	0.011712	0.258366
	0.22332	2.547008	0.011748	0.258621
	0.19722	2.546189	0.011774	0.258792
ENSG00000235531	0.24673	2.551407	0.011606	0.257712
	-0.24086	-2.54686	0.011753	0.258631
	0.267148	2.549045	0.011682	0.258228

IQCA1	-0.3151	-2.54831	0.011706	0.258321
	-0.37608	-2.54926	0.011675	0.258173
	0.170583	2.549433	0.01167	0.258144
	-0.31218	-2.54766	0.011727	0.258453
	-0.3304	-2.54986	0.011656	0.258113
	-0.28056	-2.5492	0.011677	0.258202
	-0.3041	-2.54827	0.011707	0.258321
TXNRD3	-0.24673	-2.54858	0.011697	0.258305
TIMP2;C1QTNF1;CBX2;ENSG00000178404;ENSG00000267491;				
CBX8;CCDC40	-0.40653	-2.5454	0.0118	0.258993
	0.396037	2.549701	0.011661	0.258114
APOBEC4;SMG7;TRMT1L	-0.29961	-2.5483	0.011706	0.258321
	0.303961	2.549036	0.011682	0.258228
	-0.25375	-2.54801	0.011715	0.258403
	-0.14527	-2.54854	0.011698	0.258305
BTN2A2	-0.31795	-2.54963	0.011663	0.258121
	0.294745	2.54794	0.011718	0.258428
FBXO18;IL15RA;PRKCQ	0.306703	2.550046	0.01165	0.258073
	0.216176	2.547405	0.011735	0.258509
FCHSD2	0.277875	2.548249	0.011708	0.258321
	-0.22138	-2.5489	0.011687	0.258255
	0.188555	2.550004	0.011651	0.258083
	0.145233	2.549333	0.011673	0.258144
EGFEM1P;ENSG00000242268	0.48436	2.551175	0.011614	0.257753
	-0.23144	-2.54766	0.011727	0.258453
NRXN2;FERMT3;SIPA1;SLC25A45;RASGRP2;CCDC88B;BATF2	0.277765	2.549824	0.011657	0.258113
	0.252205	2.547747	0.011724	0.258453
LMO3	0.39978	2.547722	0.011725	0.258453
	0.280876	2.550653	0.01163	0.257852
HNRNPA1L2	0.277428	2.548158	0.011711	0.258359
LRP8;LDLRAD1;HSPB11;ENSG00000197015;TCEANC2;ENSG000				
00270172;C1orf177;SSBP3;ENSG00000237611;DIO1;DHCR24;T				
TC22;BSND;GLIS1;ENSG00000226754	-0.35372	-2.54486	0.011818	0.259093
	-0.23358	-2.54967	0.011662	0.258121
RSPH3;SYTL3;ZDHHC14;EZR;DYNLT1;C6orf99	-0.40289	-2.55145	0.011605	0.257709
	-0.30992	-2.54907	0.011681	0.258228
	0.290189	2.54773	0.011725	0.258453
	0.309173	2.547731	0.011724	0.258453
LRRC4;IRF5;FLNC	0.319045	2.549097	0.01168	0.258224
TDRP	0.201031	2.545293	0.011804	0.258993
	0.170858	2.548017	0.011715	0.258403
	0.189909	2.549913	0.011654	0.258113
	0.301629	2.546385	0.011768	0.258779
	0.227096	2.547044	0.011747	0.258621
	-0.30456	-2.54983	0.011657	0.258113
PDGFB	0.195868	2.546428	0.011767	0.258779

RPS21	0.178886	2.549133	0.011679	0.258211
	0.23334	2.546169	0.011775	0.258792
HS1BP3	0.291664	2.549377	0.011671	0.258144
	-0.23091	-2.54349	0.011862	0.259428
	0.256186	2.549868	0.011656	0.258113
	0.334377	2.549165	0.011678	0.258202
SLC37A1;TMPRSS3;UBASH3A;RSPH1;ENSG00000225431;UMODL1;C21orf128	0.343151	2.550649	0.01163	0.257852
FGFR4;TSPAN17;ENSG00000170089	-0.35371	-2.54511	0.01181	0.258993
	-0.2526	-2.54727	0.01174	0.258555
	0.251167	2.547468	0.011733	0.258509
PIEZO1	0.398175	2.549346	0.011672	0.258144
	-0.46565	-2.54725	0.01174	0.258555
	0.212119	2.548499	0.0117	0.258305
KCNC1	-0.39937	-2.54422	0.011838	0.259254
	0.141623	2.546361	0.011769	0.258779
	-0.27789	-2.54871	0.011693	0.258305
	-0.19912	-2.54103	0.011943	0.260062
	0.141591	2.543107	0.011875	0.259478
	0.224703	2.546931	0.01175	0.258631
CD79A;ARHGEF1	0.299445	2.544213	0.011839	0.259254
FMNL3;ASIC1;WNT10B;SPATS2;LMBR1L;TMBIM6;ENSG00000257954;ENSG00000258334;CERS5	-0.30497	-2.54507	0.011811	0.258993
GPR133	0.224913	2.546806	0.011754	0.258657
	0.284711	2.547415	0.011735	0.258509
STYXL1;ENSG00000227038;POR;HIP1	-0.37996	-2.54734	0.011737	0.258544
BIK	-0.25291	-2.54786	0.01172	0.258453
GNG7;GNA15;MOB3A;ZNF57	-0.31547	-2.54841	0.011703	0.258314
	-0.17501	-2.54855	0.011698	0.258305
HEATR3	-0.2908	-2.54626	0.011772	0.258792
	0.257832	2.548418	0.011702	0.258314
	-0.19653	-2.54706	0.011746	0.258621
	0.232354	2.547192	0.011742	0.258555
	0.335542	2.548711	0.011693	0.258305
	-0.44086	-2.54781	0.011722	0.258453
RNF166;SPATA33	0.423795	2.547201	0.011742	0.258555
HCP5;HLA-B;HLA-DOA;TAPSAR1;TAP1;HLA-DPA1;PSMB9;HLA-DPB1;GPSM3;HLA-DRA	-0.30522	-2.55028	0.011642	0.257971
	-0.29818	-2.54748	0.011733	0.258509
	-0.18672	-2.54528	0.011804	0.258993
	-0.13986	-2.54614	0.011776	0.258797
	0.263137	2.550189	0.011645	0.258007
EFCAB4B;NTF3	0.292261	2.542859	0.011883	0.259521
	-0.43869	-2.54948	0.011668	0.258144
CEACAM5	0.336441	2.545598	0.011794	0.258993
SGCD;CLINT1	-0.25832	-2.54621	0.011774	0.258792
	-0.38313	-2.54308	0.011876	0.259486

	0.222206	2.543819	0.011852	0.259314
	0.283567	2.547607	0.011728	0.258459
	-0.31491	-2.54642	0.011767	0.258779
	0.294777	2.548045	0.011714	0.258403
HIST1H4K;HIST1H2AL;HIST1H3J	-0.2845	-2.54881	0.01169	0.258285
	0.256354	2.544015	0.011845	0.259254
MCU;SPOCK2;UNC5B-AS1;CDH23	-0.3419	-2.54974	0.01166	0.258113
	0.250614	2.548885	0.011687	0.258255
ARL10	0.269851	2.549573	0.011665	0.258144
	0.395949	2.549402	0.011671	0.258144
	0.22609	2.544308	0.011836	0.259254
	0.171023	2.545677	0.011791	0.258993
	0.205408	2.547678	0.011726	0.258453
	0.285227	2.545125	0.011809	0.258993
HCP5;TAP2;HLA-DOA;TAP1;HLA-DMA	0.219406	2.548828	0.011689	0.258283
	-0.26043	-2.54774	0.011724	0.258453
	0.212038	2.546347	0.011769	0.258779
	0.286574	2.54698	0.011749	0.258626
ENSG00000254560	-0.25942	-2.54428	0.011836	0.259254
PARD6B	-0.35166	-2.5475	0.011732	0.258509
KIAA1328	-0.23487	-2.54632	0.01177	0.258779
	0.243832	2.545281	0.011804	0.258993
	0.199617	2.544216	0.011839	0.259254
CEP68	-0.39708	-2.54515	0.011808	0.258993
BATF;ANGEL1	0.234233	2.546898	0.011751	0.258631
	-0.33763	-2.54433	0.011835	0.259254
	0.168903	2.54793	0.011718	0.258428
ENSG00000187607;CDRT1	-0.35249	-2.54727	0.01174	0.258555
GPR176	-0.30604	-2.54652	0.011764	0.258774
	0.242701	2.544854	0.011818	0.259093
	0.282718	2.548253	0.011708	0.258321
	-0.27093	-2.54651	0.011764	0.258774
	0.185817	2.546215	0.011774	0.258792
PFKFB2;C1orf116;FAIM3;DYRK3	-0.3354	-2.54827	0.011707	0.258321
GPSM1;COL5A1;OLFM1	-0.16911	-2.5469	0.011752	0.258631
KPNA1;WDR5B;SEMA5B;IQCB1;ADCY5;GOLGB1;PARP9	-0.40711	-2.54556	0.011795	0.258993
GPR133	-0.3606	-2.54522	0.011806	0.258993
PEAR1;MEF2D;NES;RAB25;ARHGEF2;ASH1L;SYT11;SH2D2A;MT				
X1;MUC1	-0.33139	-2.54592	0.011783	0.258906
ITPKB;C1orf95	-0.28534	-2.548	0.011716	0.258403
	-0.17308	-2.54509	0.01181	0.258993
	0.233406	2.545933	0.011783	0.258906
	0.234397	2.544083	0.011843	0.259254
	0.186147	2.545303	0.011803	0.258993
	-0.22819	-2.54203	0.01191	0.259822
TFEC	-0.35572	-2.54827	0.011707	0.258321
	-0.22687	-2.54641	0.011767	0.258779

	0.314163	2.545148	0.011808	0.258993
	0.251903	2.543442	0.011864	0.259432
RASAL3;DNAJB1;TECR	-0.28689	-2.54854	0.011698	0.258305
PSMG3-AS1;HEATR2;MAD1L1;SUN1	-0.28459	-2.54512	0.011809	0.258993
HOXA3	-0.37558	-2.5466	0.011761	0.258753
	0.267008	2.548622	0.011696	0.258305
	0.322918	2.545407	0.0118	0.258993
	0.285292	2.547636	0.011728	0.258453
CYB5R1;ELF3;PTPN7;PPFIA4;RNPEP;TMEM9;PPP1R12B;NAV1	-0.3844	-2.54742	0.011735	0.258509
	-0.36091	-2.54633	0.01177	0.258779
	0.364016	2.543786	0.011853	0.259325
PDGFRB	-0.29008	-2.54553	0.011796	0.258993
	0.194593	2.545341	0.011802	0.258993
	0.239053	2.546682	0.011758	0.258706
	0.190952	2.540513	0.01196	0.260222
	0.326266	2.543581	0.011859	0.259415
	-0.23574	-2.54618	0.011775	0.258792
ZNRD1	0.275254	2.545616	0.011793	0.258993
	-0.34359	-2.54779	0.011723	0.258453
	-0.29537	-2.54491	0.011816	0.259078
ENSG00000272283	-0.27684	-2.54237	0.011899	0.259736
	-0.44571	-2.54523	0.011806	0.258993
	0.209419	2.543548	0.01186	0.259415
ENSG00000183291	0.2215	2.543431	0.011864	0.259432
	0.33373	2.54857	0.011697	0.258305
	0.241319	2.543193	0.011872	0.259462
LST1;HLA-B;HLA-C;AIF1;GPSM3;CFB;HLA-DRA;NOTCH4;NRM;LTB	-0.36586	-2.54319	0.011872	0.259462
EPB41L4B;C9orf152;PTPN3;AKAP2	-0.35826	-2.54439	0.011833	0.259254
	-0.52743	-2.54306	0.011876	0.259486
	0.298859	2.547256	0.01174	0.258555
	0.162081	2.545074	0.011811	0.258993
	-0.26109	-2.54686	0.011753	0.258631
NFAT5	0.201919	2.548213	0.011709	0.258333
	-0.17003	-2.54319	0.011872	0.259462
SYF2	0.183495	2.543191	0.011872	0.259462
	0.257066	2.545541	0.011796	0.258993
MAPK8IP1;CRY2;SYT13;TSPAN18;ALX4	-0.30096	-2.54323	0.011871	0.259462
TEX41	0.327058	2.545717	0.01179	0.258982
	-0.2267	-2.54431	0.011836	0.259254
IGDCC4;ANKDD1A;RASL12;DAPK2	-0.25073	-2.54555	0.011795	0.258993
	0.275535	2.544066	0.011844	0.259254
	0.146475	2.545718	0.01179	0.258982
	0.259405	2.541971	0.011912	0.259822
	0.219998	2.54416	0.01184	0.259254
	0.265578	2.543475	0.011863	0.259428

	0.160343	2.542991	0.011879	0.259502
	0.25153	2.542892	0.011882	0.259521
C1orf158	-0.29404	-2.54228	0.011902	0.259736
	-0.2192	-2.54059	0.011957	0.260184
	-0.31732	-2.54572	0.01179	0.258982
	-0.27333	-2.54402	0.011845	0.259254
	-0.29431	-2.54296	0.01188	0.259505
	0.260708	2.544184	0.01184	0.259254
	0.402995	2.546358	0.011769	0.258779
	-0.18534	-2.54589	0.011784	0.258909
	-0.23034	-2.54696	0.011749	0.258626
SPIRE2	-0.3973	-2.54008	0.011974	0.260367
SMO;HILPDA;LRRC4;FLNC;CCDC136	0.193329	2.542146	0.011906	0.259786
	0.181539	2.545411	0.0118	0.258993
ENSG00000176349	0.252509	2.542591	0.011892	0.259631
	-0.16843	-2.54117	0.011939	0.260053
	-0.26054	-2.54278	0.011886	0.259543
	0.223757	2.539356	0.011998	0.260556
ENSG00000267262	-0.36035	-2.54515	0.011808	0.258993
	-0.22085	-2.54348	0.011863	0.259428
RPS18	0.294916	2.54392	0.011848	0.259295
	0.180411	2.54457	0.011827	0.259209
	0.40659	2.544588	0.011827	0.259209
	0.303614	2.539441	0.011995	0.260556
FGFR3	0.544444	2.546477	0.011765	0.258779
	0.250394	2.544471	0.01183	0.259247
C1orf158;AGTRAP;FBXO44;FBXO6;VPS13D;PLOD1;MTHFR;MAD2L2	-0.30579	-2.54193	0.011914	0.259822
	-0.26691	-2.54546	0.011798	0.258993
	0.267892	2.543914	0.011849	0.259295
	-0.18177	-2.54179	0.011918	0.259822
	0.126819	2.546046	0.011779	0.258843
BAIAP2;NPLOC4;LINC00482	-0.28769	-2.53918	0.012004	0.260556
PCED1B	-0.2952	-2.54668	0.011758	0.258706
	0.244337	2.544543	0.011828	0.259209
PLA2G4C;PIH1D1;FUT2;TEAD2;PRRG2;HRC;CARD8;CYTH2;RRAS	-0.26206	-2.5442	0.011839	0.259254
	0.226069	2.543368	0.011866	0.259451
TTC28;MTMR3;ZNRF3;EMID1	-0.42054	-2.54405	0.011844	0.259254
ENSG00000227076	0.335247	2.545286	0.011804	0.258993
PTPN7;KDM5B;ELF3;LAD1;UBE2T;CYB5R1;TMEM183A;RNPEP	-0.2503	-2.54473	0.011822	0.259155
	0.210482	2.535661	0.012121	0.261405
	0.344097	2.542396	0.011898	0.259735
LITAF	-0.2849	-2.5416	0.011924	0.259893
MMEL1	0.223451	2.543242	0.01187	0.259462
	0.210262	2.541638	0.011923	0.259893

	-0.1941	-2.54437	0.011834	0.259254
FABP5P7	-0.27637	-2.54045	0.011962	0.260251
BATF2	0.166877	2.543122	0.011874	0.259478
	0.189538	2.545198	0.011807	0.258993
	0.210761	2.541866	0.011916	0.259822
	0.253826	2.544045	0.011844	0.259254
	0.280173	2.543288	0.011869	0.259462
	0.371303	2.546043	0.011779	0.258843
RNF213	0.340463	2.545333	0.011802	0.258993
COL1A2;GNG11	0.317383	2.544101	0.011842	0.259254
	-0.24392	-2.54544	0.011799	0.258993
TNXB	-0.33541	-2.54084	0.011949	0.260161
	-0.23562	-2.5423	0.011901	0.259736
ESRP1	-0.34744	-2.54198	0.011912	0.259822
FKBP10;IGFBP4;KRT23	0.409072	2.54356	0.01186	0.259415
	0.217562	2.540614	0.011957	0.260184
	-0.26233	-2.54339	0.011866	0.259451
	0.28411	2.542579	0.011892	0.259631
	-0.29896	-2.54425	0.011838	0.259254
	-0.26322	-2.54454	0.011828	0.259209
TTYH2;SLC9A3R1;SDK2;SLC39A11;RAB37	0.295343	2.537212	0.012069	0.261002
	0.230237	2.539164	0.012005	0.260556
	0.235486	2.543674	0.011856	0.259378
	0.297637	2.541848	0.011916	0.259822
	-0.27754	-2.54414	0.011841	0.259254
	0.28259	2.542139	0.011907	0.259786
	0.357641	2.542981	0.011879	0.259502
	-0.25093	-2.54079	0.011951	0.260167
	0.235467	2.538767	0.012018	0.260705
MRVI1-AS1;MRVI1;LYVE1;ZBED5-AS1	-0.34879	-2.54519	0.011807	0.258993
	0.274987	2.542246	0.011903	0.259742
	-0.3201	-2.54286	0.011883	0.259521
BPIFB2;TSPY26P;BPIFB1	0.290443	2.541491	0.011928	0.259932
BNIP1	0.306208	2.544926	0.011816	0.259078
	0.238469	2.543347	0.011867	0.259452
SSBP3	0.281037	2.542787	0.011885	0.259543
CAP2	0.330424	2.544791	0.01182	0.259125
UAP1L1;LCNL1;C9orf139;EGFL7;FAM157B;PTGDS;ENSG00000235117	0.317678	2.543844	0.011851	0.25931
WDR93;ENSG00000259561;PEX11A;TICRR;CIB1	-0.23417	-2.5407	0.011954	0.260184
	0.242839	2.544306	0.011836	0.259254
CARS;MRPL23;IGF2	-0.28049	-2.54186	0.011916	0.259822
	0.334535	2.54357	0.01186	0.259415
SCMH1;CITED4;MFSD2A	-0.21503	-2.53996	0.011978	0.260386
	0.195938	2.542238	0.011903	0.259742
	0.24515	2.541375	0.011932	0.259988
SKI	0.398667	2.541155	0.011939	0.260053

	0.270132	2.54068	0.011955	0.260184
ECHS1	0.214572	2.543901	0.011849	0.259295
	0.299783	2.540363	0.011965	0.260276
	0.18441	2.538074	0.012041	0.260792
	-0.25408	-2.54232	0.011901	0.259736
	-0.29666	-2.54466	0.011824	0.259188
KDELR3	0.172079	2.541866	0.011916	0.259822
	-0.41776	-2.54097	0.011945	0.260096
	0.352865	2.543109	0.011875	0.259478
	0.35221	2.542632	0.01189	0.259619
	0.319101	2.541892	0.011915	0.259822
	0.155787	2.541685	0.011922	0.259872
	-0.28539	-2.53841	0.012029	0.260792
	-0.20547	-2.54034	0.011966	0.260282
	0.33598	2.542863	0.011883	0.259521
	-0.23643	-2.53874	0.012019	0.260708
RAB40B;SLC25A10;C17orf62;CD7;WDR45B	-0.31945	-2.5415	0.011928	0.259932
	0.334329	2.543883	0.01185	0.259295
	0.310452	2.540029	0.011976	0.26037
HCP5;DHX16;HSPA1A;MICB	0.200547	2.541226	0.011937	0.260053
	-0.31988	-2.54302	0.011878	0.259498
	0.290055	2.542078	0.011909	0.259803
	0.257236	2.543292	0.011869	0.259462
	0.293521	2.542408	0.011898	0.259735
LCK	-0.29455	-2.54113	0.01194	0.260054
	0.265238	2.538397	0.01203	0.260792
	-0.2143	-2.53916	0.012005	0.260556
EXOC3L2;SNRPD2	-0.38389	-2.53991	0.01198	0.2604
INTS5;BEST1;FEN1;TMEM258	-0.20214	-2.54179	0.011918	0.259822
STX18;STK32B;CYTL1;ENSG00000261643	0.241691	2.540093	0.011974	0.260367
	0.224262	2.542843	0.011884	0.259521
DEFB1	-0.42932	-2.54406	0.011844	0.259254
	-0.18306	-2.53852	0.012026	0.260792
	0.261486	2.540137	0.011972	0.260367
COL10A1;NIP7P3	0.256528	2.540677	0.011955	0.260184
DEGS2;MEG3;ENSG00000225746;MEG8	0.274281	2.539271	0.012001	0.260556
RBM20	0.32057	2.537094	0.012073	0.261021
P2RX7;HCAR2;P2RX4;LRRC43;BCL7A;WDR66;MORN3;KNTC1	-0.35739	-2.54081	0.01195	0.260167
	-0.15109	-2.53984	0.011982	0.260422
B3GNT5	0.258282	2.539354	0.011998	0.260556
	0.211973	2.541036	0.011943	0.260062
	0.256631	2.541117	0.01194	0.260054
	0.286427	2.537905	0.012046	0.260848
	0.254925	2.5416	0.011924	0.259893
TM4SF18;PFN2;CP;ENSG00000224831;AGTR1;ENSG00000268175;ANKUB1	-0.44318	-2.5373	0.012066	0.260994

	0.289201	2.541712	0.011921	0.259867
	0.193034	2.542319	0.011901	0.259736
	0.251362	2.54119	0.011938	0.260053
SELENBP1;CGN;RORC;GOLPH3L;CTSK;ENSG00000269621;BNIP L;CTSS;THEM4;ARNT;ECM1	-0.34137	-2.54186	0.011916	0.259822
	-0.23573	-2.54039	0.011964	0.260268
	-0.33627	-2.54212	0.011907	0.259787
	0.231316	2.536811	0.012083	0.261078
	-0.40205	-2.5386	0.012023	0.260749
	0.26122	2.54006	0.011975	0.260367
ZNF688;DOC2A;STX4;PHKG2;ARMC5;C16orf93	-0.25003	-2.54041	0.011963	0.260267
	0.398957	2.539453	0.011995	0.260556
RNF8	0.386414	2.539079	0.012007	0.260601
	0.218611	2.540868	0.011948	0.260152
YARS;EIF3I;TXLNA	-0.2192	-2.54272	0.011887	0.259566
	-0.26035	-2.53975	0.011985	0.260441
	-0.16934	-2.53659	0.01209	0.261125
PRDM16	-0.45463	-2.5393	0.012	0.260556
KCNMB1	-0.31502	-2.53983	0.011983	0.260422
TMC8;TMC6;TNRC6C-AS1	-0.2004	-2.53931	0.012	0.260556
	-0.34994	-2.5382	0.012036	0.260792
NCF2	-0.26226	-2.5394	0.011997	0.260556
	-0.13833	-2.53921	0.012003	0.260556
	-0.21171	-2.53948	0.011994	0.260556
	0.248499	2.540192	0.011971	0.260367
	0.233592	2.540596	0.011957	0.260184
	-0.19028	-2.54105	0.011942	0.260062
	0.269194	2.538	0.012043	0.260806
	-0.27809	-2.53734	0.012065	0.260987
	0.240719	2.538309	0.012033	0.260792
	-0.38161	-2.53758	0.012057	0.260919
METTL20	-0.28929	-2.54063	0.011956	0.260184
	0.199206	2.537809	0.012049	0.260856
	0.376842	2.541355	0.011932	0.259989
TTC22	0.311462	2.539744	0.011985	0.260441
	-0.27357	-2.53939	0.011997	0.260556
	0.226487	2.534491	0.01216	0.261663
	0.259919	2.53962	0.011989	0.260504
	0.331647	2.538106	0.01204	0.260792
	0.109487	2.540591	0.011957	0.260184
	0.263989	2.53917	0.012004	0.260556
	-0.22018	-2.53523	0.012135	0.261529
METTL2B	-0.287	-2.53782	0.012049	0.260856
	-0.29996	-2.53717	0.012071	0.261008
	0.350816	2.532965	0.012211	0.261955
	-0.36619	-2.54193	0.011913	0.259822
	0.231179	2.533887	0.01218	0.261769

ENSG00000253284	0.331815	2.541185	0.011938	0.260053
ESPN;HES2	0.353293	2.535524	0.012125	0.261435
	0.269404	2.53646	0.012094	0.261145
COL23A1;ADAMTS2;ZNF354C;N4BP3;AACSP1;DBN1;PDLIM7;L				
MAN2;RMND5B	0.228933	2.5386	0.012023	0.260749
	0.257202	2.536536	0.012092	0.261125
	0.249309	2.540001	0.011977	0.260376
	0.243314	2.54005	0.011975	0.260367
TMCO3	0.272327	2.541396	0.011931	0.259986
	0.252245	2.538468	0.012028	0.260792
TBC1D10C;PTPRCAP	0.267431	2.541829	0.011917	0.259822
	0.430283	2.538232	0.012035	0.260792
	0.250676	2.53901	0.01201	0.260623
	0.220137	2.540758	0.011952	0.260178
	-0.34814	-2.5384	0.01203	0.260792
	0.251518	2.533494	0.012193	0.261868
	-0.24143	-2.54106	0.011942	0.260062
	0.238866	2.541553	0.011926	0.259914
	-0.29205	-2.54058	0.011958	0.260184
LDB2;FGFBP1	-0.27026	-2.53139	0.012264	0.262172
	0.381823	2.536638	0.012088	0.261125
	0.488544	2.53984	0.011982	0.260422
	-0.26284	-2.53697	0.012077	0.261078
	0.233679	2.53902	0.012009	0.260623
	-0.14957	-2.53644	0.012095	0.261146
	0.261803	2.538845	0.012015	0.260675
GNL3	0.194205	2.538827	0.012016	0.260675
	0.450532	2.539458	0.011995	0.260556
SOBP;FOXO3	-0.29571	-2.53846	0.012028	0.260792
	-0.24007	-2.53976	0.011985	0.260441
	0.309038	2.537378	0.012064	0.260986
KIF26A	0.313673	2.534149	0.012171	0.261741
	-0.15041	-2.53966	0.011988	0.260486
	-0.30307	-2.53682	0.012082	0.261078
	-0.19847	-2.53769	0.012053	0.260911
	0.290295	2.538014	0.012043	0.260806
	-0.41856	-2.54005	0.011975	0.260367
ST3GAL2	-0.28951	-2.54009	0.011974	0.260367
	0.200484	2.538727	0.012019	0.260708
	0.158272	2.536276	0.0121	0.261189
	-0.27545	-2.54234	0.0119	0.259736
	0.31573	2.540106	0.011973	0.260367
	0.292631	2.538082	0.01204	0.260792
PKN3;STXBP1;ANGPTL2	0.279307	2.538144	0.012038	0.260792
RTEL1-TNFRSF6B;UCKL1	0.226952	2.538453	0.012028	0.260792
	0.236375	2.537566	0.012057	0.260919
	-0.35267	-2.53625	0.012101	0.261189

	-0.25155	-2.53684	0.012082	0.261078
	0.315377	2.538326	0.012032	0.260792
	0.152593	2.538217	0.012036	0.260792
	0.220388	2.539207	0.012003	0.260556
NOS1;WSB2	0.645387	2.538292	0.012033	0.260792
	-0.35066	-2.53433	0.012165	0.261703
	0.247913	2.539247	0.012002	0.260556
	0.299703	2.537802	0.01205	0.260856
	0.289465	2.534687	0.012153	0.261631
	0.191809	2.538886	0.012014	0.26066
	0.313809	2.532264	0.012234	0.26207
	0.224207	2.538313	0.012033	0.260792
RNU4-1;SRSF9;COX6A1;ENSG00000212694	-0.20037	-2.5375	0.01206	0.260942
	0.243358	2.538139	0.012038	0.260792
	-0.39425	-2.53406	0.012174	0.261756
ASH1L;SHE;C1orf189;SLC50A1;MUC1;MTX1;SYT11;SHC1;TDRD10;HCN3;LMNA;HAX1;RUSC1;LAMTOR2;UBQLN4;ATP8B2;ARHGEF2;C1orf43;FAM189B;ADAM15;CLK2	-0.33977	-2.53893	0.012012	0.260657
PARP15	-0.26314	-2.53681	0.012083	0.261078
	0.214051	2.532957	0.012211	0.261955
	-0.28578	-2.5386	0.012023	0.260749
SHE;TDRD10;ATP8B2;SYT11;ASH1L;DENND4B;CREB3L4;MTX1;JTB;FLAD1;C1orf43	-0.46654	-2.53738	0.012064	0.260986
	-0.19088	-2.5347	0.012153	0.261631
	0.251864	2.535881	0.012113	0.261351
HLA-DMB;TAP2;RING1;HLA-DRA;TAP1;PSMB8;HLA-DOA;RGL2;HLA-DMA;PSMB9	-0.3314	-2.53787	0.012047	0.260856
HEYL;MACF1;SMAP2;AKIRIN1;MFSD2A;RHBDL2;CITED4;RIMS3;ZMPSTE24;PPIE;KIAA0754;BMP8B	0.357276	2.534457	0.012161	0.261663
RNF114	0.331926	2.537634	0.012055	0.260919
	-0.40652	-2.53608	0.012107	0.261287
RNA5SP202	-0.22286	-2.53623	0.012102	0.261189
PTS;DLAT;CRYAB;TIMM8B;COLCA2;IL18	-0.33787	-2.53813	0.012039	0.260792
	0.319841	2.535639	0.012121	0.261405
	-0.25412	-2.53504	0.012141	0.261544
	-0.20963	-2.53784	0.012048	0.260856
	-0.30602	-2.53804	0.012042	0.260802
	-0.23422	-2.53796	0.012044	0.260818
KARSP1	-0.18332	-2.53823	0.012035	0.260792
	0.310059	2.5395	0.011993	0.260556
AFMID;ENSG00000267506	-0.2884	-2.53355	0.012191	0.261855
	0.337458	2.538261	0.012034	0.260792
MAPK6PS3	0.263426	2.534455	0.012161	0.261663
	0.270112	2.535133	0.012138	0.261544
	-0.37111	-2.53693	0.012079	0.261078
	-0.23232	-2.53736	0.012064	0.260986
CYTH4;MFNG	-0.23629	-2.53995	0.011979	0.260386

	0.280901	2.535617	0.012122	0.261408
	-0.3588	-2.53683	0.012082	0.261078
	-0.21605	-2.53722	0.012069	0.261002
RIMS3;CCDC30;TMSB4XP1;SCMH1;CITED4;KCNQ4	0.284205	2.534146	0.012171	0.261741
HSPA1A	0.271579	2.537173	0.01207	0.261008
	0.130572	2.537362	0.012064	0.260986
	-0.30653	-2.53941	0.011996	0.260556
NKD2	0.395189	2.532884	0.012214	0.261955
	-0.21426	-2.53334	0.012199	0.261929
	0.255378	2.535858	0.012114	0.261354
ITGB7;NCKAP1L	0.262972	2.534589	0.012157	0.261644
	0.309147	2.535639	0.012122	0.261405
	0.344957	2.536305	0.012099	0.261189
	0.280062	2.535526	0.012125	0.261435
	0.309217	2.536524	0.012092	0.261125
TRAK1	-0.36506	-2.53761	0.012056	0.260919
	-0.26851	-2.53541	0.012129	0.261442
	-0.30631	-2.53674	0.012085	0.261113
	-0.16326	-2.5375	0.01206	0.260942
	0.157591	2.535922	0.012112	0.261334
TMEM14C	0.238012	2.535093	0.01214	0.261544
	-0.3246	-2.53567	0.01212	0.261405
	0.373662	2.535434	0.012128	0.261442
SLC43A2;C17orf97;MYO1C;YWHAE;TLCD2	-0.23783	-2.53541	0.012129	0.261442
	0.206387	2.533904	0.012179	0.261769
MAPK12;MAPK11	0.572164	2.534666	0.012154	0.261631
	0.252615	2.537215	0.012069	0.261002
	-0.38239	-2.53651	0.012093	0.261125
	-0.33504	-2.53811	0.012039	0.260792
C1orf110;FCGR2B;ENSG00000230739	0.321507	2.535751	0.012118	0.261405
TNFSF10;ECT2	0.401165	2.534438	0.012162	0.261663
ALDH3B1;ENSG00000255306;UNC93B1;FAM86C2P;CTSF;PITPNM1;ENSG00000254610;RBM14;CCS;AIP;GSTP1;ENSG00000251637;RN7SKP239;TBC1D10C	-0.23531	-2.53758	0.012057	0.260919
OSR1;C2orf43	-0.36497	-2.535	0.012143	0.261546
	0.258713	2.537139	0.012072	0.261014
	0.223273	2.535406	0.012129	0.261442
IL10RA;AMICA1	-0.30713	-2.5376	0.012056	0.260919
	0.336239	2.536508	0.012093	0.261125
ENSG00000150076	0.319603	2.537777	0.01205	0.26086
RPS16;ZNF571-AS1	0.192009	2.53293	0.012212	0.261955
	0.281247	2.534838	0.012148	0.261625
STARD9;CHP1;NUSAP1	-0.31133	-2.53395	0.012178	0.261769
	-0.30422	-2.53118	0.012271	0.262221
	-0.4296	-2.53703	0.012075	0.26105
	0.25028	2.531858	0.012248	0.262125
	0.239269	2.533801	0.012183	0.261792

		-0.26897	-2.53809	0.01204	0.260792
ADAMTS2		-0.22904	-2.53506	0.012141	0.261544
SH2D2A;FCRL5;FCRL2;FCRL3;LRRC71		0.38277	2.53824	0.012035	0.260792
		0.288472	2.538947	0.012012	0.260656
		-0.35423	-2.53918	0.012004	0.260556
	38777	-0.2921	-2.53889	0.012014	0.26066
		-0.30879	-2.536	0.012109	0.261311
		-0.30956	-2.53323	0.012202	0.26195
TCF21;SLC2A12		0.266195	2.536557	0.012091	0.261125
C11orf21;TSPAN32;LSP1		-0.21182	-2.53864	0.012022	0.260749
		-0.27001	-2.53467	0.012154	0.261631
PELI3;CTSF;CDK2AP2;ALDH3B2;ENSG00000254510		-0.29089	-2.53667	0.012087	0.261125
		0.268554	2.530153	0.012306	0.262343
SELL		0.379153	2.534787	0.01215	0.261631
		-0.20612	-2.53599	0.01211	0.261311
		-0.26701	-2.53313	0.012205	0.261955
		-0.26708	-2.53523	0.012135	0.261529
		0.224153	2.536061	0.012107	0.261287
		-0.4182	-2.53526	0.012134	0.261529
		0.276768	2.53243	0.012229	0.261999
HES6;TRAF3IP1		-0.37447	-2.53292	0.012213	0.261955
NLGN2;WRAP53;CYB5D1;ARHGEF15;ATP1B2;TMEM107;KCTD1 1;MYH10;CLDN7;DNAH2;TNFSF12;SLC2A4;CTC1;ELP5;CHD3;MP DU1;VAMP2;EFNB3		-0.34671	-2.53288	0.012214	0.261955
ADD1;ENSG00000243894		-0.4395	-2.53401	0.012176	0.261756
FAM83H-AS1;EEF1D;RHPN1-AS1		-0.30732	-2.53625	0.012101	0.261189
		0.349617	2.537324	0.012065	0.260987
ANXA2		-0.36955	-2.52904	0.012343	0.262647
PRR15;CHN2		0.309889	2.532616	0.012223	0.261978
		0.201417	2.534236	0.012168	0.261729
		0.32346	2.534309	0.012166	0.261703
		0.286845	2.53686	0.012081	0.261078
		0.190894	2.532234	0.012235	0.262077
		0.203418	2.531422	0.012263	0.262172
		0.382265	2.535957	0.012111	0.261322
DOC2B		0.18701	2.530591	0.012291	0.262277
TRAF5		-0.37132	-2.53554	0.012125	0.261435
		0.219617	2.533941	0.012178	0.261769
		0.363447	2.534732	0.012152	0.261631
		0.274838	2.532624	0.012222	0.261978
		0.314953	2.534353	0.012164	0.261703
		0.280051	2.536423	0.012095	0.261146
		-0.17967	-2.53152	0.012259	0.262172
AGAP1		0.233118	2.535476	0.012127	0.261442
CTBP2;LHPP;CPXM2		0.228131	2.536654	0.012088	0.261125
		-0.4574	-2.53207	0.012241	0.262077
		0.209195	2.534743	0.012151	0.261631

	-0.17381	-2.53494	0.012145	0.261566
LRRC3DN;LRRC3;CSTB;PDE9A;ICOSLG;AGPAT3;CBS;ENSG00000				
225331;TRAPPC10	-0.31814	-2.53334	0.012198	0.261929
	0.252819	2.532969	0.012211	0.261955
ENSG00000272005	0.294554	2.528983	0.012345	0.262647
PELI3	-0.25849	-2.5371	0.012073	0.261021
CHCHD5	0.323895	2.537275	0.012067	0.260996
	-0.50412	-2.5357	0.01212	0.261405
	0.311274	2.535498	0.012126	0.261441
	0.299933	2.532844	0.012215	0.261959
	0.337055	2.536571	0.01209	0.261125
RHOH	-0.31666	-2.53328	0.0122	0.261942
	-0.3109	-2.53666	0.012088	0.261125
CDH5;TMEM208;FAM65A	-0.16892	-2.53496	0.012144	0.261566
	-0.24511	-2.53301	0.012209	0.261955
TSPAN4;ATHL1;TALDO1;BRSK2;MOB2;PSMD13;CDHR5	-0.40378	-2.53633	0.012098	0.261189
SCARB1;ZNF664;DNAH10;TCTN2	0.274136	2.532898	0.012213	0.261955
	-0.18134	-2.53688	0.01208	0.261078
CSF1R;CD74;CSNK1A1	-0.35453	-2.53093	0.012279	0.262232
	-0.27345	-2.53564	0.012121	0.261405
	0.299947	2.533373	0.012197	0.261928
	-0.28755	-2.53202	0.012243	0.262091
TMCO5A;ENSG00000259225	-0.27649	-2.53262	0.012223	0.261978
	0.199548	2.534562	0.012157	0.261644
ESRP2;CDH1;SNTB2;NFAT5;NQO1;NIP7	-0.38083	-2.53025	0.012302	0.262326
SMTN;ENSG00000198832;DRG1;PES1	-0.24519	-2.53063	0.012289	0.262268
	0.273474	2.534274	0.012167	0.261715
	0.313951	2.528154	0.012373	0.262769
	0.281611	2.532744	0.012218	0.261959
TIMP2;C1QTNF1;CBX2;ENSG00000267491;USP36;CBX8;CANT1				
;ENSG00000178404	-0.29194	-2.53097	0.012278	0.262232
	0.362995	2.536307	0.012099	0.261189
ADORA2B	-0.2779	-2.53062	0.01229	0.262268
HLA-F;HLA-E;PPP1R18;HLA-A;PPP1R10	-0.25477	-2.53391	0.012179	0.261769
	-0.24553	-2.52999	0.012311	0.262363
	0.138696	2.536919	0.012079	0.261078
	0.154799	2.535642	0.012121	0.261405
	-0.22646	-2.529	0.012344	0.262647
MYO7A	0.263344	2.530493	0.012294	0.262309
	-0.22274	-2.53211	0.012239	0.262077
	-0.29494	-2.5309	0.01228	0.262232
	-0.34299	-2.53253	0.012225	0.261999
	0.175117	2.532158	0.012238	0.262077
FAM92B;HSDL1;DNAAF1;MBTPS1;C16orf74;USP10;WFDC1;ENS				
G00000262601	-0.28884	-2.53501	0.012143	0.261546
	-0.17855	-2.5318	0.01225	0.262152
SLIT3;KCNMB1;ENSG00000249601;MIR4454	-0.38208	-2.53386	0.012181	0.261775

	0.285269	2.536561	0.012091	0.261125
MYOM2	0.32299	2.534637	0.012155	0.261638
DENND5A;AKIP1;STK33;WEE1;AMPD3;C11orf16;ADM	-0.41778	-2.53051	0.012294	0.262309
	-0.15956	-2.5328	0.012217	0.261959
	-0.25074	-2.53273	0.012219	0.261959
	0.235655	2.529039	0.012343	0.262647
ENSG00000237491	0.197159	2.532724	0.012219	0.261959
	-0.47938	-2.53432	0.012166	0.261703
	0.253369	2.533519	0.012192	0.261863
ASB2;PRIMA1;CLMN;ENSG00000258987;UNC79;SERPINA6	-0.23916	-2.53405	0.012175	0.261756
	0.356375	2.533653	0.012188	0.261846
LINC01171	-0.32121	-2.53456	0.012158	0.261644
EVI2A;ENSG00000265743;EVI2B	-0.43987	-2.53396	0.012178	0.261769
SIGLEC8;MYH14;CD33;SIGLEC17P;VRK3	-0.28786	-2.5324	0.01223	0.261999
STAMBPL1;RNLS;ACTA2-AS1	0.364107	2.528866	0.012349	0.262647
ENSG00000214067	0.292097	2.535171	0.012137	0.261544
	0.286356	2.534711	0.012152	0.261631
	0.264605	2.526849	0.012418	0.263066
	0.193776	2.532725	0.012219	0.261959
	0.366816	2.532131	0.012239	0.262077
TCEANC2;TMEM59;HSPB11	0.216644	2.533811	0.012183	0.261792
	-0.16583	-2.53146	0.012261	0.262172
	0.23045	2.530824	0.012283	0.262232
	-0.24253	-2.53404	0.012175	0.261756
ZNF366	-0.37255	-2.53173	0.012252	0.262153
	0.306738	2.532462	0.012228	0.261999
	0.310756	2.534805	0.012149	0.261631
	0.246553	2.533564	0.012191	0.261855
	0.224107	2.53304	0.012208	0.261955
THBS2	-0.2833	-2.52643	0.012432	0.263144
	0.184633	2.535072	0.01214	0.261544
	0.328048	2.530819	0.012283	0.262232
	0.346477	2.530966	0.012278	0.262232
	0.279855	2.535092	0.01214	0.261544
	0.448251	2.529392	0.012331	0.262566
	0.326261	2.531942	0.012245	0.262109
TLL1	0.290074	2.532506	0.012226	0.261999
	0.220619	2.532057	0.012241	0.262077
	0.256336	2.534175	0.01217	0.261741
	0.229306	2.533622	0.012189	0.261855
DENND5A;WEE1;ENSG00000254951;OR5E1P;TMEM9B	-0.40898	-2.53104	0.012276	0.262232
LPCAT1	-0.29914	-2.52666	0.012424	0.263122
	-0.27875	-2.53416	0.012171	0.261741
NKX6-1	-0.3144	-2.52679	0.01242	0.263087
	0.341719	2.535182	0.012137	0.261544
SLBP	0.350704	2.533226	0.012202	0.26195

	0.624555	2.534491	0.01216	0.261663
	-0.34722	-2.52885	0.01235	0.262647
TMEM254;ZCCHC24;SFTPA2	-0.20676	-2.53027	0.012302	0.262326
	0.216481	2.533177	0.012204	0.261951
	0.289189	2.531708	0.012253	0.262153
	0.211049	2.53302	0.012209	0.261955
	0.401281	2.531413	0.012263	0.262172
	0.279559	2.53303	0.012209	0.261955
	-0.22228	-2.53143	0.012262	0.262172
	0.261941	2.535103	0.012139	0.261544
	-0.22155	-2.53461	0.012156	0.261644
DMRTA2;TTC39A	0.339093	2.531329	0.012266	0.262204
NUP210;TIMP4;FBLN2;PPARG	-0.25646	-2.53405	0.012175	0.261756
	0.229229	2.533731	0.012185	0.261802
	-0.19048	-2.53248	0.012227	0.261999
	-0.2426	-2.53146	0.012262	0.262172
PLEKHH2;ENSG00000231826;HAAO;ZFP36L2;ENSG00000230587;OXER1;ENSG00000229695;THADA	0.288238	2.532301	0.012233	0.262056
LTBP3;NAALADL1;VEGFB;PYGM;NRXN2;RNASEH2C;STIP1;BATF2;TM7SF2	0.403886	2.530163	0.012305	0.262343
	-0.30621	-2.53038	0.012298	0.262326
	0.26038	2.532402	0.01223	0.261999
	-0.31349	-2.53277	0.012217	0.261959
KCNE1;CLIC6	0.152412	2.527347	0.012401	0.262916
	-0.42122	-2.53293	0.012212	0.261955
	0.227814	2.533198	0.012203	0.26195
	-0.2042	-2.53375	0.012184	0.261799
CYBA	0.215213	2.53106	0.012275	0.262232
RPL26L1;BNIP1;ATP6V0E1;CPEB4	0.306591	2.533306	0.012199	0.261937
ZNF683	0.23969	2.534016	0.012176	0.261756
	-0.20318	-2.52982	0.012317	0.262452
ANKUB1	0.129156	2.528734	0.012354	0.262673
	0.387448	2.530799	0.012284	0.262232
	0.310036	2.531907	0.012246	0.262116
ZNF429;ENSG00000268119;ZNF493;ENSG00000268416;ENSG00000268081;ZNF737	0.402408	2.5332	0.012203	0.26195
PRDM6;SRFBP1	-0.37926	-2.53146	0.012261	0.262172
	0.319426	2.532709	0.01222	0.261959
PILRA	-0.22277	-2.52952	0.012327	0.262561
ENSG00000226328;NUP50;ENSG00000238120;FBLN1;ATXN10	0.168989	2.530673	0.012288	0.262266
	0.216823	2.531121	0.012273	0.262232
ENSG00000219682;PPIAP29	0.245442	2.533561	0.012191	0.261855
	-0.24269	-2.53169	0.012254	0.262153
	-0.35734	-2.52972	0.01232	0.262488
	0.169227	2.531289	0.012267	0.262214
	-0.39144	-2.52497	0.012482	0.263508

ENSG00000150076;EPC1;CCDC7	0.342481	2.531261	0.012268	0.262214
IGHG2;KIAA0125;IGHM;IGHG1;IGHG4;IGHA1;GPR132;IGHJ3P;IGHG3;AHNAK2;IGHA2;IGHV3-7;IGHV1-2;C14orf79;IGHGP;KIF26A;ADSSL1	0.315721	2.531971	0.012244	0.262109
ENSG00000228648;MLLT4	-0.44924	-2.53032	0.0123	0.262326
	0.302044	2.530839	0.012282	0.262232
ITGAL;CORO1A;SPN;CD19;ENSG00000260219;ZNF768;ENSG00000260908;EIF3C	0.396214	2.53261	0.012223	0.261978
RBP2;ENSG00000248790;NMNAT3	0.265307	2.533599	0.01219	0.261855
	0.210823	2.531748	0.012252	0.262152
	-0.21861	-2.53254	0.012225	0.261999
ENSG00000255306;CHKA;ENSG00000254610;AIP;RPS3AP40	-0.27479	-2.5314	0.012264	0.262172
GRHL2	-0.33399	-2.53028	0.012301	0.262326
	0.264488	2.530216	0.012303	0.262338
	-0.21157	-2.53029	0.012301	0.262326
	-0.39234	-2.53045	0.012295	0.26231
PDE6B;ENSG00000273179;ZNF876P;ZNF141;SPON2;ENSG00000272927	-0.31376	-2.53118	0.012271	0.262221
ABI3;ENSG00000248954;PHOSPHO1;FAM117A;COL1A1	0.16872	2.53245	0.012228	0.261999
	0.260639	2.530545	0.012292	0.262297
ENSG00000257556	-0.14863	-2.52827	0.012369	0.262769
	0.273911	2.532053	0.012242	0.262077
	-0.18869	-2.53186	0.012248	0.262125
	0.268164	2.526501	0.012429	0.263135
	-0.16442	-2.52998	0.012311	0.262363
	-0.23475	-2.53214	0.012239	0.262077
	-0.25936	-2.53074	0.012286	0.262233
TPPP;PDCD6	0.268013	2.53347	0.012194	0.261872
	-0.27287	-2.53084	0.012282	0.262232
WDR45B	0.207004	2.530375	0.012298	0.262326
	-0.21358	-2.51448	0.012845	0.265973
	-0.14794	-2.53141	0.012263	0.262172
	-0.43027	-2.52885	0.01235	0.262647
	-0.26539	-2.52927	0.012335	0.262579
	-0.3229	-2.53035	0.012299	0.262326
	0.242123	2.531425	0.012263	0.262172
ABCA2;NPDC1	-0.27467	-2.52929	0.012335	0.262579
ZNF527;SPINT2;ZNF781	-0.23216	-2.52847	0.012362	0.262746
	0.328331	2.531563	0.012258	0.262172
SEC61A1;ABTB1;RPN1	0.345904	2.529388	0.012331	0.262566
	0.209151	2.532983	0.01221	0.261955
C1orf87;RN7SL475P	-0.27391	-2.52972	0.01232	0.262488
	-0.25827	-2.52597	0.012447	0.263281
ENSG00000141854;CACNA1A;NFIX;ZNF333	-0.28466	-2.53242	0.012229	0.261999
	0.447361	2.530973	0.012278	0.262232
ZNF850	-0.32795	-2.52521	0.012473	0.263493

	0.425289	2.530037	0.012309	0.262362
	-0.29802	-2.53177	0.012251	0.262152
	0.256855	2.530843	0.012282	0.262232
	-0.30328	-2.53311	0.012206	0.261955
	0.202227	2.528961	0.012346	0.262647
	-0.24384	-2.53283	0.012215	0.261959
	0.297046	2.529836	0.012316	0.262452
C1orf222;TTLL10;TTC34;MORN1;FAM213B;ANKRD65;SAMD11;				
TTLL10-AS1;ENSG00000223764;ENSG00000269896;MXRA8	-0.19273	-2.52403	0.012514	0.263577
	-0.19998	-2.53126	0.012268	0.262214
	0.218406	2.53376	0.012184	0.261799
	0.332194	2.530463	0.012295	0.26231
	0.173231	2.528188	0.012372	0.262769
ENSG00000260259;SPATA33;GAS8;ENSG00000224888;PIEZO1				
;ENSG00000260121;SPIRE2;GALNS	-0.25223	-2.52158	0.012598	0.264176
	0.315829	2.530661	0.012288	0.262266
CAPN2	-0.25639	-2.53008	0.012308	0.262343
CORIN	0.288463	2.524011	0.012515	0.263577
	0.165378	2.530985	0.012277	0.262232
ABAT	0.287828	2.52892	0.012347	0.262647
	0.239445	2.52847	0.012363	0.262746
	-0.22817	-2.53091	0.01228	0.262232
	-0.37382	-2.53034	0.012299	0.262326
	0.228317	2.532054	0.012241	0.262077
CARD11	-0.26117	-2.53075	0.012286	0.262233
	0.26749	2.52788	0.012383	0.262801
ARHGEF1;POU2F2	-0.24207	-2.5255	0.012464	0.263427
TMEM128	0.215247	2.529698	0.012321	0.262488
C6orf132;GLTSCR1L;TRERF1;ENSG00000261068	-0.35395	-2.53101	0.012277	0.262232
	0.417404	2.530184	0.012305	0.262343
	-0.30042	-2.52458	0.012495	0.263577
RALGPS2	-0.33432	-2.52769	0.012389	0.262801
	0.270275	2.526878	0.012417	0.26306
	-0.2561	-2.52708	0.01241	0.263016
PDE6B	-0.33723	-2.5312	0.01227	0.262221
	-0.3858	-2.53081	0.012283	0.262232
DDR1;NOTCH4;C4A;TNXB;CLIC1;SLC44A4	-0.22508	-2.52811	0.012375	0.262772
SLC37A2	0.302982	2.532093	0.01224	0.262077
	0.390337	2.531674	0.012254	0.262153
	0.159647	2.52561	0.01246	0.263427
C4A;NOTCH4;ENSG00000225914	-0.33384	-2.53077	0.012285	0.262233
	0.251727	2.525528	0.012463	0.263427
	-0.35814	-2.52935	0.012333	0.262566
	0.163865	2.531935	0.012246	0.262109
	0.453975	2.528417	0.012364	0.262758
UMPS	-0.29304	-2.52818	0.012372	0.262769

FRMD4A	0.250084	2.526628	0.012425	0.263122
APBA2	0.261476	2.524031	0.012514	0.263577
	0.271488	2.529466	0.012329	0.262566
	0.220929	2.532129	0.012239	0.262077
	-0.2357	-2.52808	0.012376	0.262773
	-0.20077	-2.53012	0.012307	0.262343
FRMD4A;ACBD7;RPP38	-0.4338	-2.52225	0.012575	0.264098
	-0.1726	-2.52899	0.012345	0.262647
CLUAP1;HAGH;ENSG00000205890	-0.21992	-2.52965	0.012323	0.262513
	0.262358	2.531754	0.012252	0.262152
	-0.19102	-2.52893	0.012347	0.262647
	-0.33864	-2.52958	0.012325	0.262532
USHBP1;RASAL3;NR2F6;ENSG00000267275	-0.34507	-2.52611	0.012443	0.263241
	0.224075	2.530081	0.012308	0.262343
USP49	0.347779	2.527774	0.012386	0.262801
CRYM	0.205121	2.529981	0.012311	0.262363
	-0.24189	-2.53009	0.012308	0.262343
	0.311594	2.53148	0.012261	0.262172
FEZ1;PKNOX2;KIRREL3;CDON;CHEK1	-0.30711	-2.53155	0.012258	0.262172
MYO3B	0.327195	2.531212	0.01227	0.262221
	0.321727	2.52939	0.012331	0.262566
	-0.21225	-2.5285	0.012361	0.262746
	0.341824	2.529263	0.012336	0.262579
	-0.24529	-2.52903	0.012343	0.262647
ENSG00000230872;METTL9	0.279125	2.527215	0.012405	0.262956
HRH1	-0.36023	-2.52852	0.012361	0.262746
	0.295492	2.529415	0.012331	0.262566
	0.432916	2.525583	0.012461	0.263427
LINC00996	-0.36365	-2.52936	0.012332	0.262566
	0.378358	2.530891	0.012281	0.262232
	0.20046	2.529595	0.012324	0.262532
	0.225466	2.528698	0.012355	0.262686
	-0.31844	-2.52843	0.012364	0.262758
MAP2K5	0.249434	2.526055	0.012445	0.263241
	-0.19479	-2.52902	0.012344	0.262647
	0.30165	2.526948	0.012414	0.263055
	-0.33062	-2.52497	0.012482	0.263508
	-0.35288	-2.52429	0.012505	0.263577
	0.269949	2.528224	0.012371	0.262769
	0.293851	2.5275	0.012395	0.26287
	0.25257	2.530901	0.01228	0.262232
ZBTB20	0.308212	2.526606	0.012426	0.263122
	0.22178	2.527747	0.012387	0.262801
LZTS2	-0.24707	-2.52873	0.012354	0.262673
	-0.24012	-2.52714	0.012408	0.262984

RFX2;PTPRS;CAPS;CATSPERD;HSD11B1L;TRIP10;MLLT1;ENSG00000267262;ENSG00000267589;ENSG00000266983;ENSG00000267427;RANBP3;NDUFA11;ENSG00000267299	-0.30525	-2.52606	0.012445	0.263241
	0.238847	2.524938	0.012483	0.263508
	-0.21169	-2.52505	0.012479	0.263508
CD200;ENSG00000272761;BOC	0.402769	2.529444	0.01233	0.262566
	0.20595	2.528164	0.012373	0.262769
	0.265963	2.527652	0.01239	0.262801
GPR133;RAN	-0.38873	-2.52736	0.0124	0.262916
	0.354933	2.524078	0.012512	0.263577
	0.227583	2.524677	0.012492	0.263577
	-0.23277	-2.52884	0.01235	0.262647
	0.351934	2.528175	0.012373	0.262769
CORO1A;ITGAL;SPN	-0.19089	-2.52792	0.012381	0.262795
	-0.31135	-2.52768	0.012389	0.262801
BAK1	0.286889	2.526992	0.012413	0.263041
	0.281385	2.524314	0.012504	0.263577
	0.319746	2.52868	0.012355	0.262686
KIAA0922	0.323966	2.529335	0.012333	0.262567
RNF213;BAIAP2;PCYT2;MAFG-AS1	-0.27619	-2.52631	0.012436	0.263165
LCK	-0.27746	-2.52646	0.012431	0.263138
	0.219117	2.526591	0.012426	0.263122
	-0.36534	-2.52848	0.012362	0.262746
	0.311054	2.522393	0.01257	0.264061
TMEM17;MDH1	0.312851	2.523459	0.012534	0.263697
	0.280686	2.528148	0.012373	0.262769
CD27;CLSTN3;IFFO1;C1S;TAPBPL;PTPN6;C1R	-0.36437	-2.52799	0.012379	0.262788
	0.196115	2.528577	0.012359	0.262746
	-0.22502	-2.52974	0.01232	0.262488
	0.238277	2.5255	0.012464	0.263427
	-0.24839	-2.52497	0.012482	0.263508
	0.200968	2.525315	0.01247	0.26349
ENSG00000272072	-0.20975	-2.52886	0.012349	0.262647
	0.284143	2.530347	0.012299	0.262326
PARVG;PARVB	-0.31598	-2.52794	0.012381	0.262795
	0.305869	2.528487	0.012362	0.262746
	-0.19773	-2.52411	0.012511	0.263577
	0.340656	2.527656	0.01239	0.262801
	-0.27788	-2.52666	0.012424	0.263122
	0.313347	2.523082	0.012547	0.263783
	0.241214	2.527913	0.012381	0.262795
	0.192161	2.524354	0.012503	0.263577
	0.200733	2.526937	0.012415	0.263055
	0.239045	2.528321	0.012368	0.262769
	0.184924	2.528366	0.012366	0.262769
	0.236406	2.528753	0.012353	0.262673

IRX2	0.386124	2.525435	0.012466	0.263451
ENSG00000237491	0.214738	2.526146	0.012442	0.263241
ADAMTS8;ADAMTS15	-0.2945	-2.52202	0.012583	0.264146
	0.251425	2.529034	0.012343	0.262647
ENSG00000262370;CDIP1;CREBBP;SMIM22;GLIS2	-0.33609	-2.5273	0.012402	0.262927
LAMA4;ENSG00000226440;ENSG00000230177	-0.16739	-2.52437	0.012502	0.263577
	0.248836	2.525305	0.01247	0.26349
KRT13;CCR7;RAPGEFL1;TOP2A	-0.3248	-2.51959	0.012667	0.2647
	-0.328	-2.52766	0.01239	0.262801
	0.227563	2.529453	0.012329	0.262566
SLC9C2;DNM3OS;ENSG00000238272	0.381486	2.525241	0.012472	0.263493
	-0.36609	-2.52892	0.012347	0.262647
TTC8;ENSG00000258752;SPATA7;EFCAB11;ENSG00000258699;EML5;TDP1;ENSG00000258983	-0.36394	-2.52345	0.012534	0.263697
	0.312057	2.526351	0.012435	0.263154
GRAP2	-0.25611	-2.5277	0.012389	0.262801
IGHA1;IGHV1-2;IGHG3;IGHGP;IGHG2;IGHV3-15;IGHM;IGHJ3P;IGHV3-23;IGHV3-21;IGHV3-7;IGHG1;IGHV3-11;KIAA0125;IGHA2;IGHG4	-0.23076	-2.52639	0.012433	0.263147
OAS2;OAS1	0.258031	2.525386	0.012468	0.263458
DCDC2B;TINAGL1;ZBTB8A;COL16A1;FNDC5;SYNC;TMEM234;IQCC	-0.22802	-2.52554	0.012462	0.263427
NRN1;BMP6	-0.40684	-2.52811	0.012375	0.262772
IGHG3;IGHG1;ADSSL1;C14orf79;GPR132;IGHGP;IGHG2	-0.4315	-2.52761	0.012392	0.262816
ENSG00000199899	-0.46098	-2.52629	0.012437	0.263171
	0.239119	2.527923	0.012381	0.262795
	0.267376	2.526527	0.012429	0.263135
	0.289902	2.525402	0.012467	0.263458
RYR3	-0.33987	-2.5283	0.012368	0.262769
	0.22964	2.526905	0.012416	0.26306
	0.195297	2.524758	0.012489	0.263577
GATM	-0.28866	-2.52773	0.012388	0.262801
	0.318783	2.52758	0.012393	0.262826
	-0.17579	-2.52559	0.012461	0.263427
	-0.31139	-2.52652	0.012429	0.263135
	0.160883	2.526766	0.01242	0.263087
	0.27374	2.526088	0.012444	0.263241
	0.220006	2.526047	0.012445	0.263241
	-0.23918	-2.52523	0.012473	0.263493
	0.251703	2.525646	0.012459	0.263427
LCNL1;PTGDS	-0.28543	-2.52803	0.012377	0.262773
	0.302473	2.529137	0.01234	0.262647
TNRC6C;SYNGR2;MXRA7;TK1;RHBDF2	-0.34559	-2.52745	0.012397	0.262895
PSMD13	0.269627	2.52555	0.012462	0.263427
RCAN2;PLA2G7	-0.32784	-2.52677	0.01242	0.263087
SNORA74A	-0.2464	-2.52828	0.012369	0.262769
FAU	-0.21902	-2.52781	0.012385	0.262801

	0.279194	2.525708	0.012457	0.263421
	0.268781	2.524512	0.012497	0.263577
	0.383167	2.527297	0.012402	0.262927
	-0.27025	-2.52321	0.012542	0.263766
	0.228619	2.525756	0.012455	0.263412
CHST6;CFDP1;ENSG00000203472;TMEM231;TMEM170A;ENSG00000259972	-0.16994	-2.5277	0.012389	0.262801
	-0.13519	-2.52385	0.01252	0.263577
	0.239348	2.522691	0.01256	0.263884
RASAL3	-0.28053	-2.52766	0.01239	0.262801
	0.14964	2.523534	0.012531	0.26369
	0.303021	2.5272	0.012406	0.262956
DHRS3;CLCN6	-0.28623	-2.52831	0.012368	0.262769
	-0.21651	-2.52185	0.012589	0.264164
	0.221488	2.527024	0.012412	0.263031
	0.219143	2.528058	0.012377	0.262773
AIM2;FCRL3;PYHIN1;FCRL2;FCRL5	0.289857	2.520435	0.012638	0.264505
	0.261729	2.526875	0.012417	0.26306
FRA10AC1	0.264197	2.525088	0.012478	0.263508
	0.334738	2.526695	0.012423	0.263122
ZBTB45;ZNF549;ZIK1;PEG3	0.248262	2.524537	0.012497	0.263577
	0.192984	2.52424	0.012507	0.263577
	0.316118	2.523902	0.012518	0.263577
	-0.20427	-2.52494	0.012483	0.263508
	0.341354	2.526265	0.012438	0.263175
	-0.27144	-2.52068	0.012629	0.264419
KRT13;KRT14;JUP	0.316764	2.526134	0.012442	0.263241
	-0.41802	-2.52215	0.012578	0.264137
	0.191493	2.522969	0.01255	0.263813
NID2;ERO1L;ABHD12B	-0.43509	-2.52421	0.012508	0.263577
PSMG3	-0.35559	-2.52281	0.012556	0.263858
	0.306305	2.525085	0.012478	0.263508
PHLDB1;MPZL3;KMT2A;MCAM;ATP5L;UBE4A;CCDC84;ENSG00000255176;TRAPPC4;IFT46	-0.3151	-2.52877	0.012352	0.262673
WNT7B	-0.7261	-2.52705	0.012411	0.263023
	0.217864	2.523411	0.012535	0.263705
	-0.39478	-2.52394	0.012517	0.263577
RBM47;APBB2;NSUN7;RHOH	-0.33347	-2.52647	0.012431	0.263138
ENSG00000271204	0.146175	2.522989	0.01255	0.263811
CIAPIN1	-0.21269	-2.52804	0.012377	0.262773
CDK14	-0.30037	-2.52406	0.012513	0.263577
FGD5	0.215104	2.524493	0.012498	0.263577
SLC37A1;CSTB;ENSG00000225431;PDE9A;TMPRSS3	-0.40554	-2.52389	0.012519	0.263577
GPR17	-0.25328	-2.52723	0.012405	0.262956
	0.208065	2.522703	0.01256	0.263884
	0.220791	2.526508	0.012429	0.263135
	-0.1628	-2.52037	0.01264	0.264505

DHDDS	0.185898	2.521835	0.012589	0.264164
FZD10-AS1;FZD10	-0.49624	-2.52058	0.012633	0.264449
WDFY4	-0.24308	-2.52451	0.012497	0.263577
	-0.31291	-2.52836	0.012366	0.262769
ITGAE;GSG2	0.308499	2.526417	0.012432	0.263144
	-0.4142	-2.52023	0.012645	0.264505
ALDH1A3	0.272041	2.527396	0.012399	0.262907
	0.281965	2.524376	0.012502	0.263577
BAIAP2;NOTUM;SLC25A10;PCYT2;OXLD1;CCDC40;NPLOC4;LRRC45	-0.33283	-2.52519	0.012474	0.263494
	-0.31008	-2.52387	0.012519	0.263577
SCNN1A;C1R;SLC2A3;IFFO1;ENSG00000257084;C1S;VWF;PTMS	-0.20318	-2.52285	0.012554	0.263858
	-0.28103	-2.52051	0.012635	0.264491
	-0.20844	-2.52443	0.0125	0.263577
	-0.32475	-2.52223	0.012576	0.264098
	-0.24544	-2.52418	0.012509	0.263577
ERBB2	-0.12868	-2.5244	0.012501	0.263577
	0.2872	2.527417	0.012398	0.262905
	0.21396	2.523639	0.012527	0.263653
	0.259318	2.525516	0.012463	0.263427
	-0.22801	-2.52317	0.012543	0.263782
CD59;CAT;CAPRIN1;HIPK3;ABTB2;FBXO3	-0.25715	-2.52585	0.012452	0.263359
	0.232317	2.524866	0.012485	0.263534
	0.235561	2.517022	0.012756	0.265253
	-0.29496	-2.52635	0.012435	0.263154
	-0.37257	-2.5184	0.012708	0.26484
	-0.18992	-2.52368	0.012526	0.263639
	0.304155	2.523237	0.012541	0.263766
	-0.2036	-2.52524	0.012472	0.263493
	-0.15555	-2.52204	0.012582	0.264146
	0.301207	2.520034	0.012652	0.264505
	-0.29206	-2.52661	0.012426	0.263122
SIX1;SIX4;PCNXL4;SLC38A6;MNAT1;PRKCH;TMEM30B;ENSG00000258926	-0.41675	-2.52213	0.012579	0.264137
	-0.26401	-2.52475	0.012489	0.263577
MSMB;TIMM23;ENSG00000235618;PARG;ASAH2B	-0.37216	-2.52155	0.012599	0.264176
	0.223829	2.5277	0.012389	0.262801
	-0.2265	-2.52447	0.012499	0.263577
	-0.26147	-2.52409	0.012512	0.263577
	0.254308	2.521785	0.012591	0.264164
RABL2A	-0.21312	-2.5242	0.012508	0.263577
	0.352897	2.524934	0.012483	0.263508
	-0.50962	-2.52557	0.012461	0.263427
	0.306049	2.52204	0.012582	0.264146
SNRPF	-0.44613	-2.52027	0.012644	0.264505
ZNF876P	-0.40514	-2.52003	0.012652	0.264505

SH3TC1	0.277874	2.525278	0.012471	0.263493
RAB3A;USHBP1	0.223633	2.519066	0.012685	0.264758
	0.268707	2.524301	0.012505	0.263577
C6orf10;ENSG00000225914;ZBTB9	0.294302	2.522813	0.012556	0.263858
ENTPD1;C10orf131;ENTPD1-AS1;ENSG00000269948;FRAT1;SORBS1;LCOR;RRP12	0.297353	2.520795	0.012625	0.264367
	0.380609	2.525035	0.01248	0.263508
	0.199775	2.521997	0.012584	0.264146
	0.322459	2.524027	0.012514	0.263577
PSMG3	0.242897	2.522942	0.012551	0.263819
	0.266573	2.523963	0.012516	0.263577
	-0.28411	-2.52448	0.012499	0.263577
	0.284872	2.523328	0.012538	0.263735
	0.123676	2.523232	0.012541	0.263766
	-0.16031	-2.52503	0.01248	0.263508
PLEKHG2	0.224107	2.524344	0.012503	0.263577
	0.250721	2.518278	0.012713	0.264852
	-0.1911	-2.5227	0.01256	0.263884
	-0.18262	-2.52419	0.012508	0.263577
	0.304098	2.519435	0.012672	0.264709
	0.295817	2.520023	0.012652	0.264505
ADD1	-0.29062	-2.52172	0.012593	0.264164
	0.269136	2.518418	0.012708	0.26484
CAPG	-0.20934	-2.51742	0.012743	0.265166
	-0.22516	-2.52511	0.012477	0.263508
	-0.31635	-2.52178	0.012591	0.264164
ENSG00000260807	-0.39883	-2.52304	0.012548	0.263801
	0.212074	2.521568	0.012599	0.264176
	0.207939	2.521244	0.01261	0.264221
	0.375357	2.524359	0.012503	0.263577
KIAA1755;MYL9;SOGA1;RPRD1B	-0.35765	-2.5246	0.012494	0.263577
TRAF1;GGTA1P	-0.35797	-2.52278	0.012557	0.263858
	-0.31094	-2.52213	0.012579	0.264137
	0.2759	2.519418	0.012673	0.264709
	-0.24214	-2.52406	0.012513	0.263577
	0.348215	2.523461	0.012533	0.263697
	-0.30948	-2.52517	0.012475	0.263495
	-0.31031	-2.51889	0.012691	0.264773
	0.222138	2.521654	0.012596	0.264164
	-0.25673	-2.52492	0.012483	0.263508
	0.150919	2.523725	0.012524	0.263639
	-0.25453	-2.52065	0.01263	0.264423
	0.295932	2.523106	0.012546	0.263783
	0.176297	2.519424	0.012673	0.264709
	-0.28599	-2.52425	0.012507	0.263577
	0.354056	2.524794	0.012488	0.263573
	0.143837	2.520916	0.012621	0.264312

	0.218854	2.522345	0.012572	0.264082
GAB1	0.282782	2.521954	0.012585	0.264146
	0.318507	2.524118	0.012511	0.263577
ADCY4;CDH24;RBM23;EFS;GMPR2;DAD1;NFATC4	0.233471	2.523949	0.012517	0.263577
SLA2	-0.32759	-2.52137	0.012605	0.264203
MEX3D	-0.2176	-2.5237	0.012525	0.263639
TMEM106A;UBTF	0.201773	2.520133	0.012648	0.264505
HDDC2	-0.21601	-2.51942	0.012673	0.264709
PPP1R7	0.233066	2.522786	0.012557	0.263858
	0.203231	2.521534	0.0126	0.264176
ASAP1	-0.36433	-2.52207	0.012581	0.264146
	0.243551	2.521292	0.012608	0.264221
	-0.3223	-2.52145	0.012603	0.264187
	0.255552	2.523681	0.012526	0.263639
	-0.40899	-2.52198	0.012584	0.264146
	0.199581	2.524086	0.012512	0.263577
	0.238397	2.525431	0.012466	0.263451
	-0.31621	-2.51897	0.012688	0.264758
ENSG00000233006;UQCRQ	0.298206	2.523114	0.012545	0.263783
	0.168319	2.52348	0.012533	0.263697
	-0.84343	-2.52457	0.012495	0.263577
	0.238934	2.517514	0.012739	0.265134
	0.27436	2.523862	0.01252	0.263577
DNM3	-0.2381	-2.524	0.012515	0.263577
	-0.17987	-2.52017	0.012647	0.264505
STPG1;RCAN3;LUZP1;IL22RA1;ID3;ZNF436;HMGCL;CLIC4;LYPLA				
2;NCMAP	-0.3627	-2.51813	0.012718	0.264907
TRAC;RBM23	0.440237	2.525709	0.012456	0.263421
	0.169582	2.519446	0.012672	0.264709
	-0.18855	-2.52043	0.012638	0.264505
	-0.39365	-2.52472	0.01249	0.263577
	-0.33249	-2.52309	0.012546	0.263783
	0.298464	2.522073	0.012581	0.264146
	0.2441	2.519188	0.012681	0.264709
	-0.33579	-2.52341	0.012535	0.263705
POC1B	-0.31465	-2.52355	0.01253	0.26369
	0.164995	2.520762	0.012626	0.264372
	0.377891	2.521476	0.012602	0.264179
	0.259864	2.517379	0.012744	0.265167
KLLN	-0.38604	-2.51842	0.012708	0.26484
EFCAB13;HOXB6;ATP5G1	0.191467	2.520917	0.012621	0.264312
LIPH;DGKG;C3orf70;RFC4;EIF4A2	-0.38338	-2.52181	0.01259	0.264164
	0.233621	2.523548	0.01253	0.26369
ITGB7;ACVR1B;KRT18	0.284822	2.524139	0.01251	0.263577
	0.294142	2.521931	0.012586	0.264148
	0.181064	2.521696	0.012594	0.264164
	-0.1453	-2.51249	0.012915	0.266438

PGAP3;PLXDC1	-0.35727	-2.52174	0.012593	0.264164
SDCBP2	-0.25507	-2.52326	0.01254	0.263766
	0.222304	2.52083	0.012624	0.264362
ENSG00000261183;DLL4;SRP14-AS1;GPR176;ENSG00000259536	-0.29663	-2.52099	0.012618	0.264308
METTL15	0.30537	2.519246	0.012679	0.264709
	0.28495	2.521268	0.012609	0.264221
	-0.33404	-2.52148	0.012602	0.264179
	0.209775	2.520272	0.012643	0.264505
	0.257385	2.521419	0.012604	0.264195
C6orf10	-0.41725	-2.52099	0.012618	0.264308
	-0.24238	-2.51886	0.012692	0.264775
	-0.4124	-2.52128	0.012609	0.264221
TAL1;TSPAN1;PRDX1	0.394945	2.515762	0.0128	0.265576
	-0.24579	-2.52462	0.012494	0.263577
	0.256986	2.523114	0.012545	0.263783
	0.354623	2.523719	0.012525	0.263639
	-0.30718	-2.52151	0.012601	0.264179
	0.328934	2.520949	0.01262	0.264312
BNIP1	0.271863	2.519056	0.012686	0.264758
	-0.26049	-2.52185	0.012589	0.264164
	-0.30486	-2.52139	0.012605	0.264199
	-0.29955	-2.52336	0.012537	0.263728
	0.258984	2.522261	0.012575	0.264098
	0.321349	2.516207	0.012785	0.26545
TMEM14B;NEDD9;SYCP2L;C6orf52	0.428109	2.518822	0.012694	0.264778
ZNF136;PDE4A	-0.19839	-2.52004	0.012651	0.264505
ESRRG	-0.22889	-2.51747	0.012741	0.265143
	-0.23885	-2.52181	0.01259	0.264164
LINC00426	0.406944	2.523971	0.012516	0.263577
ZNF300;RPS14	0.2856	2.520046	0.012651	0.264505
	0.396052	2.52164	0.012596	0.264164
	-0.32072	-2.52279	0.012557	0.263858
	-0.1765	-2.5212	0.012611	0.264221
	-0.38267	-2.52228	0.012574	0.264098
	-0.2262	-2.52225	0.012575	0.264098
	-0.28763	-2.51667	0.012769	0.26527
ENSG00000233369	0.254009	2.521952	0.012585	0.264146
ZNF416	0.136774	2.521651	0.012596	0.264164
ENPP5	-0.33516	-2.51704	0.012756	0.265253
	0.254825	2.519198	0.012681	0.264709
MYO1C;INPP5K;SCARF1;SERPINF2;ENSG00000263050;ENSG00000262777	-0.27707	-2.52167	0.012595	0.264164
	0.200088	2.518924	0.01269	0.264758
TRIM2;KIAA0922;TIGD4;TMEM154	-0.39224	-2.51977	0.012661	0.264649
	-0.20891	-2.52009	0.01265	0.264505
	-0.15895	-2.52022	0.012645	0.264505

	0.269098	2.517926	0.012725	0.264978
	-0.29467	-2.51921	0.01268	0.264709
	-0.35842	-2.51897	0.012689	0.264758
C2orf70;MAPRE3;DRC1;IFT172;AGBL5	0.324888	2.522618	0.012562	0.263911
	0.394966	2.520026	0.012652	0.264505
	0.342945	2.520585	0.012633	0.264449
	-0.31647	-2.5211	0.012615	0.264278
	0.198109	2.519498	0.01267	0.264709
KDELR2;RAC1	-0.31092	-2.5212	0.012611	0.264221
	0.178853	2.518464	0.012706	0.26484
	-0.32505	-2.52122	0.012611	0.264221
TBC1D10C;GSTP1;UNC93B1;ALDH3B1;PTPRCAP;CCS;SUV420H1	0.252508	2.521088	0.012615	0.264278
	0.337704	2.518311	0.012711	0.26484
	0.245866	2.521338	0.012607	0.264214
	-0.39532	-2.52265	0.012561	0.263898
	0.318224	2.519336	0.012676	0.264709
	-0.20062	-2.52035	0.012641	0.264505
	0.251892	2.517932	0.012725	0.264978
PPP1R18;SLC44A4;DDR1;CLIC1;MDC1;MRPS18B;BAG6;PPP1R1				
1;HSPA1L;LY6G5C;NRM;DDAH2;TRIM31;VWA7	-0.24756	-2.51724	0.012749	0.26518
	0.267195	2.51968	0.012664	0.264652
	0.346875	2.522994	0.01255	0.263811
	0.319744	2.520067	0.01265	0.264505
	-0.33382	-2.51859	0.012702	0.264827
CCDC173;BBS5;ENSG00000226072;LRP2	-0.3191	-2.51927	0.012678	0.264709
COL4A4	0.188148	2.520286	0.012643	0.264505
	-0.28444	-2.51819	0.012716	0.264887
	0.2464	2.518254	0.012713	0.264856
	-0.19974	-2.52022	0.012645	0.264505
	0.199335	2.519682	0.012664	0.264652
	-0.18849	-2.52168	0.012595	0.264164
NOTCH4;CLIC1;C6orf10	-0.29769	-2.51921	0.01268	0.264709
	-0.23742	-2.51835	0.01271	0.26484
	0.331491	2.520484	0.012636	0.264495
	0.227384	2.519838	0.012658	0.264626
	0.217995	2.516106	0.012788	0.26551
	-0.31622	-2.51324	0.012889	0.266256
	0.135911	2.521554	0.012599	0.264176
FNBP1;COQ4;LINC00963	-0.27743	-2.51957	0.012668	0.264704
LAX1;CYB5R1;PIK3C2B;MDM4;KDM5B	-0.40149	-2.51975	0.012662	0.264652
	0.337701	2.516447	0.012776	0.265353
	0.253083	2.519191	0.012681	0.264709
	-0.24298	-2.51873	0.012697	0.264794
KCTD17	-0.23031	-2.51865	0.0127	0.264816
C1orf216	0.134415	2.518579	0.012702	0.264827
	0.232745	2.519452	0.012672	0.264709

ENSG00000272235	0.15578	2.521055	0.012616	0.264289
	-0.30463	-2.51885	0.012693	0.264775
	-0.22687	-2.51832	0.012711	0.26484
	0.171504	2.519167	0.012682	0.264711
NME9;FAIM;ENSG00000248932	-0.27199	-2.5181	0.012719	0.264915
	0.327261	2.519712	0.012663	0.264652
PDGFA;ENSG00000249574	-0.30716	-2.51356	0.012878	0.266255
ECHS1	0.239664	2.52031	0.012642	0.264505
	-0.37954	-2.52079	0.012626	0.264367
	-0.27856	-2.51573	0.012801	0.265576
SH3RF3-AS1	0.402922	2.517779	0.01273	0.265058
	0.227772	2.518705	0.012698	0.2648
ANKRD65;VWA1;SKI;ENSG00000272106	-0.22547	-2.51735	0.012745	0.265175
	-0.17065	-2.51895	0.012689	0.264758
THBS3;ENSG00000231064	-0.20735	-2.51396	0.012863	0.266129
ELMO1	-0.39349	-2.51978	0.012661	0.264649
	0.298887	2.519302	0.012677	0.264709
ANKRD65;SSU72;FAM213B;ENSG00000272106;C1orf222;SKI;MORN1	-0.29052	-2.51813	0.012718	0.264907
	0.329042	2.517517	0.012739	0.265134
	0.279671	2.518528	0.012704	0.26484
ZNF605	-0.45101	-2.50455	0.013198	0.268255
	0.131211	2.515109	0.012823	0.265785
	-0.21995	-2.51919	0.012681	0.264709
GPIHBP1;FAM83H-AS1;EEF1D	0.30863	2.518807	0.012694	0.264778
	-0.37734	-2.51667	0.012769	0.26527
	0.23675	2.516405	0.012778	0.265358
SH3TC1;KIAA0232;ABLIM2;MRFAP1L1;CCDC96;AFAP1-AS1;PSAPL1;ENSG00000251580;GRPEL1;BLOC1S4;MRFAP1	0.314922	2.516982	0.012758	0.265262
	-0.21606	-2.51662	0.01277	0.265276
	0.361314	2.518957	0.012689	0.264758
LRP8;PODN;TCEANC2;ENSG00000237611;TMEM59;HSPB11	-0.29864	-2.51896	0.012689	0.264758
	-0.20027	-2.51605	0.01279	0.265537
	-0.18601	-2.52094	0.01262	0.264312
	0.355194	2.519395	0.012674	0.264709
	0.328003	2.519678	0.012664	0.264652
	-0.5543	-2.51695	0.012759	0.26527
CAP2;KDM1B	-0.4356	-2.5184	0.012708	0.26484
	0.235721	2.515098	0.012824	0.265785
	0.28416	2.517124	0.012753	0.265224
CCM2;RAMP3	0.360688	2.513732	0.012872	0.266228
DZANK1;SEC23B;GCNT1P1	-0.26237	-2.51835	0.01271	0.26484
	0.203009	2.518597	0.012701	0.264827
SHANK2;SHANK2-AS1;CTTN	0.478605	2.520052	0.012651	0.264505
FOXF1;FENDRR;FOXL1	0.234163	2.516274	0.012782	0.265414

DNMBP;ERLIN1;ENTPD7	0.295247	2.517939	0.012724	0.264978
	-0.37535	-2.51648	0.012775	0.265344
S1PR3;C9orf47;HNRNPA1P14	0.346839	2.51727	0.012748	0.26518
PTGIS;CEBPB	-0.28579	-2.51754	0.012738	0.265134
RNF213	0.369199	2.519228	0.01268	0.264709
PHYHIPL;IPMK;FAM13C	0.269462	2.515947	0.012794	0.265547
SUN1	-0.2324	-2.51571	0.012802	0.265579
C11orf95;NAALADL1;LTBP3;VEGFB;MARK2;PYGM;ARL2;BATF2	0.269786	2.516892	0.012761	0.26527
	0.225186	2.520113	0.012649	0.264505
	0.387395	2.51721	0.01275	0.265187
	-0.18918	-2.51846	0.012706	0.26484
ATP5G3	-0.24462	-2.51678	0.012765	0.26527
ENSG00000231980	0.241212	2.516713	0.012767	0.26527
	-0.42173	-2.52017	0.012647	0.264505
	0.244797	2.516822	0.012763	0.26527
	-0.27688	-2.51794	0.012724	0.264978
INPP4A	0.219798	2.515232	0.012819	0.265785
PITPNM2;ZNF664;ENSG00000251497;TCTN2;DNAH10;GTF2H3;				
FAM101A;SBNO1;LRRC43	-0.31159	-2.51808	0.01272	0.264919
ITGB7	0.277583	2.516778	0.012765	0.26527
	-0.23504	-2.51701	0.012757	0.265253
SNRNP25;HN1L;TMEM204;NHLRC4	0.217818	2.514332	0.01285	0.266025
	0.299699	2.515523	0.012809	0.265663
	0.234342	2.517057	0.012755	0.265253
	0.307743	2.516845	0.012762	0.26527
	0.195278	2.520341	0.012641	0.264505
	-0.3654	-2.51725	0.012748	0.26518
	0.291828	2.513678	0.012873	0.266228
TCP1	-0.25836	-2.5179	0.012726	0.264982
	-0.16032	-2.51075	0.012977	0.266842
	0.317704	2.517698	0.012733	0.265078
CYP2W1;PRKAR1B;IQCE;GPR146;SUN1;ELFN1;BRAT1;PSMG3;P				
SMG3-AS1	-0.22111	-2.51752	0.012739	0.265134
BRAT1;ENSG00000176349;CHST12	0.270532	2.518784	0.012695	0.264782
	0.222168	2.516651	0.012769	0.26527
	-0.29095	-2.51275	0.012906	0.266391
	0.245376	2.518506	0.012705	0.26484
	-0.31803	-2.51758	0.012737	0.265134
ICOSLG;COL18A1-AS2;COL18A1-				
AS1;COL18A1;ADARB1;LRRC3;TRAPPC10;ENSG00000215458;E				
NSG00000267857	0.369025	2.515455	0.012811	0.2657
	0.244623	2.519246	0.012679	0.264709
	0.19295	2.510549	0.012984	0.266854
CASZ1	-0.61803	-2.51081	0.012975	0.266813
	-0.25522	-2.51894	0.01269	0.264758
NEK5	0.279648	2.517493	0.01274	0.265137

	-0.18639	-2.51468	0.012838	0.265966
	-0.25167	-2.51509	0.012824	0.265785
CROCC	-0.29161	-2.51413	0.012858	0.266099
	0.20008	2.512801	0.012904	0.266391
RPS21	0.285554	2.515169	0.012821	0.265785
TRUB1	-0.16609	-2.5174	0.012743	0.265166
	0.249179	2.517726	0.012732	0.265071
NRXN2;SIPA1;RASGRP2;MAP4K2;CCDC88B;SLC25A45;PRDX5;STIP1;FERMT3;EFEMP2;CST6;MAP3K11;CTSW;TM7SF2;EHBP1L1;PYGM;RNASEH2C;DNAJC4;SNX15;LTBP3	-0.40673	-2.51574	0.012801	0.265576
PAG1	-0.2566	-2.51536	0.012815	0.265753
GPR183	-0.38459	-2.51927	0.012678	0.264709
	0.285531	2.51901	0.012687	0.264758
	0.157522	2.516728	0.012767	0.26527
COL5A1;ADAMTSL2;OLFM1;SARDH;LINC00094;DBH-AS1;CACFD1;ENSG00000233936;VAV2	-0.35516	-2.51374	0.012871	0.266228
	-0.34733	-2.51468	0.012838	0.265966
SLC22A3;ENSG00000272841	-0.25971	-2.51844	0.012707	0.26484
	-0.19769	-2.51641	0.012778	0.265358
	0.257496	2.513538	0.012878	0.266255
	0.310956	2.514304	0.012851	0.266033
FAM49A	0.283121	2.516881	0.012761	0.26527
SEMA4D;ENSG00000231799	-0.318	-2.51119	0.012961	0.266677
	0.504763	2.513995	0.012862	0.266129
ENSG00000232018	-0.19653	-2.51471	0.012837	0.265966
	0.125411	2.517304	0.012746	0.26518
	0.24344	2.516784	0.012765	0.26527
	-0.27429	-2.51374	0.012871	0.266228
FAM83H-AS1;ZNF34;FAM83H;EEF1D;GPT;GPIHBP1	-0.25697	-2.5133	0.012887	0.266256
	0.205257	2.515546	0.012808	0.265659
	0.261793	2.513407	0.012883	0.266256
RPL5;RPAP2	-0.3007	-2.51867	0.012699	0.264815
	0.265929	2.510279	0.012993	0.266879
	0.154839	2.516528	0.012774	0.26532
	0.235372	2.518745	0.012696	0.264794
TUBA3FP;KLHL22;HIC2	-0.35224	-2.51593	0.012795	0.265547
	0.330382	2.517522	0.012739	0.265134
SLC33A1	-0.24422	-2.50996	0.013005	0.266935
BTN3A1;BTN3A3;BTN2A2;BTN3A2	0.328213	2.517727	0.012732	0.265071
	0.202461	2.514576	0.012842	0.265973
	-0.27977	-2.51157	0.012948	0.266651
ZRANB2-AS2	0.304772	2.516387	0.012778	0.265358
	0.369533	2.516735	0.012766	0.26527
	-0.51897	-2.51584	0.012798	0.265576
	0.279275	2.514342	0.01285	0.266025
	0.378823	2.515187	0.01282	0.265785
FGFR2	0.42761	2.514497	0.012845	0.265973

LRP4;KBTBD4;PTPRJ	0.217562	2.515088	0.012824	0.265785
IL2RB;MFNG;RAC2;CYTH4;CSF2RB	-0.37745	-2.51725	0.012748	0.26518
	0.197767	2.516684	0.012768	0.26527
ENSG00000259423	0.315401	2.516723	0.012767	0.26527
MYOCD	0.287651	2.511834	0.012938	0.26656
	0.20888	2.514989	0.012827	0.265818
	0.269463	2.517148	0.012752	0.265219
	-0.18863	-2.51332	0.012886	0.266256
	0.284642	2.518317	0.012711	0.26484
	-0.425	-2.50905	0.013037	0.267118
	0.187231	2.514457	0.012846	0.265973
GMDS-AS1	-0.52942	-2.51125	0.012959	0.266677
SLC45A1	0.245866	2.515965	0.012793	0.265547
	-0.26122	-2.51181	0.012939	0.26656
	-0.21795	-2.51364	0.012875	0.266235
NUBPL	0.253563	2.515577	0.012807	0.26565
EBPL	0.251383	2.514665	0.012839	0.265966
MOK	-0.18162	-2.51347	0.012881	0.266256
	-0.31627	-2.51494	0.012829	0.265844
	0.227926	2.515929	0.012795	0.265547
	-0.27616	-2.51293	0.0129	0.266359
	0.222046	2.514516	0.012844	0.265973
JAK3	0.256521	2.515914	0.012795	0.265547
SRD5A3;PDGFRA	0.243908	2.512725	0.012907	0.266391
ABHD11;LINC00035;ENSG00000233369	-0.3534	-2.51483	0.012833	0.265908
	0.13864	2.51724	0.012749	0.26518
	0.193948	2.514497	0.012845	0.265973
FRA10AC1	0.359621	2.516902	0.012761	0.26527
TNFRSF1B;MIIP	-0.39218	-2.51692	0.01276	0.26527
	-0.33725	-2.51658	0.012772	0.265292
	0.232787	2.515312	0.012816	0.265764
THSD7A	-0.29578	-2.51056	0.012983	0.266854
RPL7P11	-0.19315	-2.51246	0.012916	0.266438
ENSG00000261655	0.285016	2.515345	0.012815	0.265753
	-0.1802	-2.51464	0.012839	0.265966
	0.119963	2.515854	0.012797	0.265576
ENSG00000245466;GALNT16;DCAF5;EXD2;SMOC1;TTC9	-0.33571	-2.50294	0.013256	0.268793
ARHGEF1;CD79A;ENSG00000268027;ENSG00000268833	-0.18932	-2.51337	0.012884	0.266256
	0.202248	2.51447	0.012846	0.265973
	0.211271	2.511875	0.012937	0.26656
	0.279209	2.509153	0.013033	0.267097
	0.249616	2.513664	0.012874	0.266228
CD7;FN3K;ENSG00000262410;PYCR1	0.209786	2.51396	0.012864	0.266129
	-0.27102	-2.51162	0.012946	0.266649
	-0.32016	-2.50201	0.01329	0.268991
	-0.29219	-2.51344	0.012882	0.266256
RNU6ATAC	0.177925	2.514563	0.012842	0.265973

MARS;RDH16	0.242902	2.515162	0.012821	0.265785
CARS;TSSC2	-0.28219	-2.51594	0.012794	0.265547
	0.338102	2.513267	0.012888	0.266256
	-0.38593	-2.51578	0.0128	0.265576
SEPT4;GDPD1;MRPS23;VEZF1;LPO	-0.45933	-2.5112	0.012961	0.266677
	0.298986	2.512636	0.01291	0.266409
PITPNC1;C17orf58	-0.241	-2.51502	0.012826	0.265809
	-0.31779	-2.51403	0.012861	0.266129
	0.24706	2.515759	0.0128	0.265576
	-0.30835	-2.51374	0.012871	0.266228
SEMA3G;STAB1;POC1A;ITIH3;PCBP4;PPM1M;PBRM1;ALAS1;PRKCD	-0.333	-2.51466	0.012839	0.265966
	0.180221	2.508461	0.013058	0.267331
	0.285757	2.509295	0.013028	0.267046
NIF3L1	0.338903	2.512226	0.012925	0.266528
TIMM8B	0.267363	2.513679	0.012873	0.266228
EPHA5	0.499664	2.5145	0.012845	0.265973
SNORA74A;ENSG00000252213	-0.2896	-2.51444	0.012847	0.265975
	0.258861	2.515132	0.012822	0.265785
ARPC5L	-0.19167	-2.51305	0.012895	0.266324
NME4	-0.2002	-2.51206	0.01293	0.266544
	0.311046	2.513322	0.012886	0.266256
	-0.19329	-2.51416	0.012856	0.266099
	0.264724	2.51137	0.012955	0.266677
	0.202085	2.515094	0.012824	0.265785
	0.288786	2.512082	0.01293	0.266544
ID3;HSPG2;GALE;LUZP1	0.425189	2.512776	0.012905	0.266391
	0.266316	2.514073	0.01286	0.266111
	0.196569	2.514126	0.012858	0.266099
	0.233403	2.513606	0.012876	0.266244
	-0.39925	-2.51182	0.012939	0.26656
	0.309579	2.511722	0.012942	0.266599
PHLPP1;BCL2	-0.41586	-2.51181	0.012939	0.26656
LRRN1;CNTN4	-0.3922	-2.50912	0.013035	0.267097
HP1BP3;CAMK2N1	0.161592	2.511873	0.012937	0.26656
HLA-DOA;HLA-DOB;HLA-DRB1;SYNGAP1;VWA7;HLA-DQA1;SLC44A4;ZBTB9	-0.31726	-2.51207	0.01293	0.266544
FLI1;ARHGAP32	-0.41769	-2.51564	0.012805	0.265618
	-0.27344	-2.51335	0.012885	0.266256
C1orf222;ANKRD65;ENSG00000269896	-0.36995	-2.51637	0.012779	0.265359
	0.363674	2.512272	0.012923	0.266526
	0.192087	2.512044	0.012931	0.266544
	0.324832	2.514144	0.012857	0.266099
	-0.22485	-2.51344	0.012882	0.266256
HLA-DOA;HLA-DPB1;HLA-DMA;HLA-DMB;TAP1;HLA-DPA1;HLA-DRA;TAP2;TAPSAR1;PSMB9;SYNGAP1	0.213659	2.512246	0.012924	0.266526
	0.240885	2.515973	0.012793	0.265547

	0.253384	2.513073	0.012895	0.266323
	0.264641	2.514092	0.012859	0.26611
	0.19373	2.511107	0.012964	0.266712
	-0.15073	-2.51573	0.012801	0.265576
	-0.34518	-2.5118	0.01294	0.26656
	0.183364	2.511565	0.012948	0.266651
	0.236861	2.507938	0.013077	0.267407
	-0.34871	-2.51208	0.01293	0.266544
	0.215233	2.509609	0.013017	0.267
	0.349723	2.513431	0.012882	0.266256
COL4A2	-0.37001	-2.50942	0.013024	0.267
DAXX;RPS18	0.340628	2.508687	0.01305	0.267296
	0.134947	2.512714	0.012907	0.266391
	0.178847	2.511682	0.012944	0.266615
	-0.25288	-2.51275	0.012906	0.266391
	0.187839	2.509878	0.013008	0.266935
RXRB	-0.20568	-2.51452	0.012844	0.265973
	0.131701	2.512527	0.012914	0.266438
	0.221657	2.508716	0.013049	0.267296
	0.235676	2.511398	0.012954	0.266677
	-0.25981	-2.51318	0.012891	0.266284
	-0.19369	-2.51085	0.012973	0.266794
	-0.25772	-2.5128	0.012904	0.266391
STK16	0.331954	2.512206	0.012925	0.266529
	0.221893	2.513141	0.012892	0.266299
GALNT10;FAM114A2	0.278504	2.512926	0.0129	0.266359
RER1;MEGF6;PRDM16	0.290937	2.513717	0.012872	0.266228
EEF1A1P11	0.281254	2.508482	0.013057	0.267331
	0.190592	2.512966	0.012898	0.266359
CD6	0.263487	2.511423	0.012953	0.266677
	-0.30014	-2.51128	0.012958	0.266677
	0.142613	2.511874	0.012937	0.26656
ENSG00000220804	0.285355	2.505644	0.013159	0.267995
	0.158325	2.513282	0.012887	0.266256
	-0.31713	-2.51008	0.013001	0.26693
IL12RB1;FCHO1;JAK3	0.32993	2.510542	0.012984	0.266854
	-0.32955	-2.51505	0.012825	0.265801
	-0.35366	-2.51276	0.012906	0.266391
CD6;CD5	-0.32205	-2.5135	0.01288	0.266256
	-0.8156	-2.50943	0.013024	0.267
	0.297546	2.515107	0.012823	0.265785
	0.274413	2.511062	0.012966	0.266719
	0.126481	2.511265	0.012959	0.266677
	-0.1405	-2.51031	0.012992	0.266879
SLC25A10;RAB40B;CCDC137	-0.20837	-2.5104	0.012989	0.266879
CDCA7;SLC25A12	-0.29563	-2.51247	0.012916	0.266438
	0.179317	2.512658	0.012909	0.266406

	0.263446	2.50943	0.013024	0.267
NFKBIE	0.282799	2.513765	0.01287	0.266228
PROCR;GGT7	0.212042	2.512741	0.012906	0.266391
ZNF213	0.185437	2.513555	0.012878	0.266255
BAIAP2;WDR45B;C17orf62;PCYT2	-0.31188	-2.51258	0.012912	0.266421
FCGRT	0.367304	2.513077	0.012895	0.266323
PKP3;TSPAN4;TALDO1;MRPL23	-0.278	-2.51324	0.012889	0.266256
SLC8A1	0.361046	2.512616	0.012911	0.266411
	-0.32088	-2.51266	0.012909	0.266406
LAIR1	0.18723	2.508928	0.013041	0.267197
	-0.26726	-2.5082	0.013068	0.267378
ZBTB32	0.188144	2.514202	0.012855	0.266094
ARNT;CGN	-0.25136	-2.50777	0.013083	0.267423
	0.276868	2.510943	0.01297	0.266755
ATP8B2;SYT11;TDRD10	-0.38951	-2.51103	0.012967	0.266719
	-0.25851	-2.51397	0.012863	0.266129
BAIAP2L1	0.264216	2.509532	0.01302	0.267
	0.334142	2.513275	0.012888	0.266256
SGPL1	-0.17773	-2.51249	0.012915	0.266438
	0.266308	2.510699	0.012979	0.26685
	-0.17869	-2.51117	0.012962	0.266677
FAM13A-AS1	0.307407	2.510028	0.013002	0.266934
	0.199287	2.509956	0.013005	0.266935
	0.244579	2.512361	0.01292	0.266494
GPR133	0.241467	2.510153	0.012998	0.266919
	0.377601	2.511202	0.012961	0.266677
	0.413718	2.511996	0.012933	0.266553
	-0.28007	-2.50987	0.013008	0.266935
	-0.21012	-2.50676	0.013119	0.267832
	-0.29178	-2.51072	0.012978	0.26685
	-0.18808	-2.50787	0.013079	0.267409
	0.239886	2.506094	0.013143	0.267917
TTLL9;BCL2L1;COX4I2;KIF3B;CCM2L;RNU1-94P;FOXS1	0.27299	2.511793	0.01294	0.26656
	-0.23047	-2.51338	0.012884	0.266256
WISP1;LRRC6;NDRG1	0.277941	2.512939	0.012899	0.266359
GP5;LRRC15	-0.40314	-2.51039	0.01299	0.266879
	-0.157	-2.51246	0.012916	0.266438
	-0.22871	-2.50763	0.013088	0.267477
SSBP3-AS1	0.169669	2.510564	0.012983	0.266854
	0.283615	2.507865	0.013079	0.267409
	0.209084	2.510565	0.012983	0.266854
	0.221457	2.508538	0.013055	0.267331
	-0.20992	-2.51007	0.013001	0.26693
CTC1;ELP5;NLGN2;XAF1;ARHGEF15;ACAP1;BCL6B;KCTD11;WR				
AP53;CYB5D1;EFNB3	-0.41634	-2.5096	0.013017	0.267
	-0.2633	-2.51055	0.012984	0.266854
	-0.21041	-2.512	0.012932	0.266553

	0.282937	2.508588	0.013054	0.267317
	-0.31199	-2.51207	0.01293	0.266544
	0.170553	2.512917	0.0129	0.266359
ADARB1;COL6A1;COL18A1;COL6A2;ENSG00000239415;COL18				
A1-AS1;LRRC3DN;LRRC3;ENSG00000267857	0.281931	2.512091	0.012929	0.266544
	-0.20236	-2.50814	0.013069	0.2674
	-0.44665	-2.50987	0.013008	0.266935
	0.175596	2.510424	0.012988	0.266879
ESRP2;NIP7;CDH1;NFAT5	-0.38301	-2.50316	0.013248	0.268793
	-0.29574	-2.51025	0.012994	0.266879
LINC00943	-0.29994	-2.51028	0.012993	0.266879
HLA-F;PPP1R18	0.319172	2.507735	0.013084	0.267427
	-0.2074	-2.51155	0.012948	0.266651
	-0.35455	-2.50837	0.013061	0.267331
ARL6;DCBLD2;CLDND1;ENSG00000233280;CRYBG3	-0.33877	-2.50542	0.013167	0.268013
	-0.37123	-2.50983	0.013009	0.266948
FAM83H-AS1	0.262712	2.512256	0.012924	0.266526
	0.335106	2.511895	0.012936	0.26656
	-0.27455	-2.50992	0.013006	0.266935
NEK2;INTS7	-0.29911	-2.51225	0.012924	0.266526
	0.257837	2.510665	0.01298	0.266854
	-0.2639	-2.5079	0.013078	0.267408
	0.156549	2.509558	0.013019	0.267
ERC1;CACNA1C	-0.29935	-2.51154	0.012949	0.266651
	0.239871	2.509203	0.013032	0.267086
CORO2B;ENSG00000245750;ENSG00000259641;ITGA11	-0.30939	-2.50639	0.013132	0.267882
TIE1;TMEM125;C1orf210;EBNA1BP2;ATP6V0B;ELOVL1;PTPRF;E				
RI3	-0.30528	-2.5105	0.012985	0.266864
	-0.20452	-2.50544	0.013166	0.268013
	-0.24232	-2.50767	0.013086	0.267462
	0.185677	2.508027	0.013074	0.267405
	0.334718	2.50921	0.013031	0.267086
	0.306427	2.50746	0.013094	0.267551
COL5A1;ADAMTSL2;OLFM1;PPP1R26-AS1;C9orf116;SARDH	-0.23761	-2.5058	0.013153	0.267959
	-0.31551	-2.51147	0.012951	0.266677
	0.273403	2.507554	0.01309	0.267508
	0.223707	2.509142	0.013034	0.267097
ZNF618	-0.20905	-2.50311	0.01325	0.268793
CBX2;TIMP2;C1QTNF1;ENSG00000178404;CANT1;TNRC6C	0.185508	2.508455	0.013058	0.267331
HSPA12B;SNRPB;ATRN	0.348292	2.510303	0.012993	0.266879
	-0.39611	-2.51129	0.012958	0.266677
	-0.22564	-2.50941	0.013024	0.267
ENSG00000188242;PDCD6	-0.37095	-2.50835	0.013062	0.267331
	-0.28016	-2.51124	0.012959	0.266677
AGAP2;ARHGEF25	-0.32708	-2.51087	0.012972	0.266792

	-0.13526	-2.51123	0.01296	0.266677
	0.303761	2.507757	0.013083	0.267423
ENSG00000261183;DLL4	-0.19344	-2.5121	0.012929	0.266544
	-0.35412	-2.50602	0.013145	0.267922
MRGPRF;UNC93B1;ALDH3B2;TBC1D10C;ALDH3B1;GSTP1;FAM				
86C2P;PITPNM1;ENSG00000255306;AIP	-0.31019	-2.50843	0.013059	0.267331
C2orf54	0.243101	2.511947	0.012934	0.26656
	-0.22018	-2.51123	0.01296	0.266677
NTAN1	0.387886	2.505729	0.013156	0.267959
	0.197119	2.50878	0.013047	0.267266
	0.323117	2.511239	0.012959	0.266677
	-0.30565	-2.50807	0.013072	0.267405
CEP68;MEIS1	0.34788	2.510951	0.01297	0.266755
MAPK8IP1	0.308744	2.508818	0.013045	0.267264
	0.254815	2.509941	0.013005	0.266935
	0.171851	2.508638	0.013052	0.267305
	-0.30198	-2.51025	0.012994	0.266879
	-0.38973	-2.50464	0.013195	0.268255
	0.318706	2.509684	0.013015	0.267
NEURL3;ANKRD36C;LINC00342	0.262577	2.509293	0.013028	0.267046
	-0.4317	-2.51027	0.012994	0.266879
	0.160548	2.507903	0.013078	0.267408
	0.275586	2.510113	0.012999	0.266929
	-0.41783	-2.51023	0.012995	0.266879
	-0.17195	-2.50862	0.013052	0.267305
PXDN	-0.28359	-2.50654	0.013127	0.267858
ZCCHC7;FAM201A;ANKRD18A;SNX18P3	0.306047	2.511037	0.012967	0.266719
	0.462806	2.510447	0.012988	0.266879
	-0.24651	-2.50943	0.013024	0.267
	-0.22183	-2.51049	0.012986	0.266864
ENSG00000254561;C2CD2L;USP2;CBL;USP2-				
AS1;PDZD3;ENSG00000254590;CCDC153;NLRX1;MCAM	0.322073	2.509551	0.013019	0.267
	-0.39305	-2.50998	0.013004	0.266935
	0.241174	2.5099	0.013007	0.266935
ENSG00000235997;LBH	0.279138	2.510291	0.012993	0.266879
	-0.3689	-2.50944	0.013023	0.267
	0.228437	2.511374	0.012955	0.266677
	0.400746	2.511193	0.012961	0.266677
	-0.37311	-2.51105	0.012966	0.266719
	0.356625	2.510105	0.013	0.266929
	0.312655	2.510689	0.012979	0.26685
	-0.21437	-2.50953	0.01302	0.267
	0.200034	2.508188	0.013068	0.267378
	-0.16348	-2.51137	0.012955	0.266677
SNORA74A;DNAJC18;ECSCR	0.198391	2.508241	0.013066	0.267378
	0.189978	2.505088	0.013179	0.268137
SLC22A15	0.391084	2.509799	0.01301	0.26696

	0.316318	2.509669	0.013015	0.267
CERS4;KANK3;MUC16;CD320;PEX11G;ADAMTS10	-0.28781	-2.50951	0.013021	0.267
E2F3	-0.16489	-2.50573	0.013156	0.267959
	-0.24177	-2.5063	0.013135	0.267903
	0.227498	2.507034	0.013109	0.267708
CACNG8	-0.25165	-2.5065	0.013128	0.267858
	0.270695	2.50509	0.013179	0.268137
HLA-F;PPP1R18;PPP1R11	0.326607	2.50799	0.013075	0.267405
	0.532631	2.509508	0.013021	0.267
TBC1D4	-0.32395	-2.50586	0.013151	0.267959
	-0.26483	-2.50845	0.013059	0.267331
	0.258666	2.507526	0.013091	0.267515
MAP4K2;FERMT3	0.285981	2.510226	0.012995	0.266879
CRMP1;STK32B;EVC;TMEM128	-0.36681	-2.5066	0.013124	0.267849
	-0.21451	-2.50594	0.013148	0.267922
	0.369999	2.504509	0.0132	0.268262
CBX2;TIMP2;C1QTNF1;ENSG00000178404;TNRC6C;CCDC40;EN SG00000267491;USP36	0.303733	2.509082	0.013036	0.26711
KIAA0125;IGHM;IGHJ3P;GPR132;AHNAK2;IGHV4-34;IGHA1;IGHV3-23;IGHV3-21;IGHG2;IGHG1;IGHA2;IGHV4-39;IGHV1-2;PLD4;IGHV3-11;IGHV3-7;IGHG4	-0.24431	-2.50931	0.013028	0.267046
ARHGEF10;MYOM2	-0.52486	-2.50507	0.013179	0.268137
SNX15	0.256476	2.506844	0.013116	0.2678
	0.264678	2.505543	0.013162	0.268013
HSH2D;PLVAP;USHBP1	0.225195	2.506073	0.013143	0.267917
	0.148898	2.507965	0.013076	0.267405
	0.276724	2.506065	0.013144	0.267917
FENDRR;FOXF1;FOXL1	-0.27198	-2.50607	0.013144	0.267917
	0.326266	2.508389	0.013061	0.267331
	-0.17804	-2.50833	0.013063	0.267331
ARHGAP23;SRCIN1;HNF1B;PLXDC1	0.36265	2.499524	0.01338	0.269271
MATN2	0.235711	2.506733	0.01312	0.267838
	0.248461	2.50579	0.013153	0.267959
SKI	0.234092	2.506333	0.013134	0.267903
KHDRBS3	0.259148	2.510028	0.013002	0.266934
	0.192849	2.505944	0.013148	0.267922
	0.314202	2.507269	0.013101	0.267626
TPSD1;NME4;TPSB2;RGS11;CACNA1H;TMEM204;TPSAB1;SOX8 ;HN1L;ENSG00000196674	-0.32681	-2.50966	0.013015	0.267
	0.250977	2.506072	0.013143	0.267917
	0.298194	2.507763	0.013083	0.267423
	0.356185	2.507083	0.013107	0.267685
CASZ1;ENSG00000272078	-0.35761	-2.50013	0.013358	0.269271
RAD51B	0.24114	2.508636	0.013052	0.267305
	-0.26983	-2.50869	0.01305	0.267296

CACNA1C-AS4;TSPAN9;CACNA1C;TULP3;EFCAB4B;TEAD4;TSPAN9-IT1;ENSG00000250899;NRIP2;ITFG2;PRMT8;CACNA1C-IT3;DCP1B	-0.3749	-2.50821	0.013067	0.267378
	-0.2327	-2.50576	0.013155	0.267959
	-0.35625	-2.50093	0.013329	0.269033
	-0.23488	-2.50943	0.013024	0.267
	-1.05737	-2.51059	0.012982	0.266854
	-0.20091	-2.50779	0.013082	0.267423
	0.386842	2.509569	0.013019	0.267
LTBP3;VEGFB;OTUB1	0.414868	2.505676	0.013158	0.267984
	0.342015	2.508001	0.013074	0.267405
	0.203966	2.507561	0.01309	0.267508
INTS3;S100A4	0.377874	2.507386	0.013096	0.267579
	0.204727	2.503387	0.01324	0.268725
	0.232648	2.506464	0.013129	0.267858
	-0.46359	-2.50878	0.013047	0.267266
	-0.24547	-2.5073	0.013099	0.267616
	0.580268	2.502215	0.013282	0.268952
	-0.22249	-2.50625	0.013137	0.26791
	0.161459	2.508096	0.013071	0.267405
	-0.27293	-2.50913	0.013034	0.267097
MSI2;DGKE;ANKFN1	0.307664	2.506086	0.013143	0.267917
	-0.2563	-2.50849	0.013057	0.267331
	-0.25621	-2.50832	0.013063	0.267331
KIF1C	-0.26725	-2.5061	0.013142	0.267917
	0.33861	2.506897	0.013114	0.267783
ENSG00000141854;CACNA1A;GIPC1	-0.26186	-2.50677	0.013118	0.267832
	-0.19715	-2.50539	0.013168	0.268013
	0.286155	2.501663	0.013302	0.269026
	0.274826	2.504724	0.013192	0.268233
	0.473432	2.508002	0.013074	0.267405
LTK;ENSG00000261183;SRP14-AS1;MGA;TYRO3;GPR176;RAD51;BUB1B;DLL4;RMDN3	-0.32557	-2.49887	0.013404	0.269432
	0.270452	2.508061	0.013072	0.267405
	0.186832	2.507958	0.013076	0.267405
	-0.44769	-2.50596	0.013148	0.267922
CHST12;SUN1;PSMG3	-0.29467	-2.50714	0.013105	0.267661
	0.335978	2.507133	0.013105	0.267661
	0.333676	2.502524	0.013271	0.268877
NRROS;SLC51A;MUC4;MUC20	-0.38956	-2.50276	0.013263	0.268841
	0.215518	2.505126	0.013177	0.268137
LAP3	0.198834	2.508021	0.013074	0.267405
	0.196065	2.506005	0.013146	0.267922
	0.474057	2.501484	0.013309	0.269026
	0.16612	2.503	0.013254	0.268793
	-0.30128	-2.50579	0.013154	0.267959

DGKH	-0.25215	-2.50493	0.013184	0.268181
	-0.25412	-2.50443	0.013202	0.2683
	0.267081	2.505019	0.013181	0.268145
	0.225499	2.504603	0.013196	0.268255
	-0.20986	-2.50723	0.013102	0.26763
TTC28	-0.26534	-2.50595	0.013148	0.267922
	0.331615	2.506684	0.013121	0.267848
DNM1P47;LINS	0.166504	2.507233	0.013102	0.26763
	0.252616	2.506436	0.01313	0.267863
STRIP1;CSF1	0.158934	2.506461	0.013129	0.267858
MAP4K1;GMFG;RINL	0.191389	2.505594	0.013161	0.268004
PITPNM2	-0.3261	-2.49987	0.013367	0.269271
	-0.22267	-2.50333	0.013242	0.26874
PLXDC1;ERBB2;IGFBP4;MIEN1;LINC00672;MED24;PCGF2;CISD3				
;ENSG00000264198	-0.30884	-2.50375	0.013227	0.26859
	0.139031	2.500914	0.013329	0.269033
OSBPL2	-0.2926	-2.50665	0.013123	0.267849
KIAA1841	-0.27412	-2.50502	0.013181	0.268145
	-0.14798	-2.50783	0.013081	0.267421
	0.283533	2.504631	0.013195	0.268255
	0.147092	2.50662	0.013124	0.267849
	-0.18443	-2.5054	0.013168	0.268013
	0.383038	2.506596	0.013125	0.267849
	0.239455	2.502469	0.013273	0.268887
STARD7;KCNIP3;CIAO1	0.212012	2.50625	0.013137	0.26791
	0.280295	2.504606	0.013196	0.268255
	-0.27586	-2.50684	0.013116	0.2678
	-0.28467	-2.50833	0.013063	0.267331
	0.45979	2.50544	0.013166	0.268013
CHST10	-0.41029	-2.50839	0.01306	0.267331
	0.226453	2.504835	0.013188	0.2682
BDH1;LMLN;IQCG;CEP19;NRROS;RNF168;DLG1-AS1;KIAA0226	-0.28999	-2.49995	0.013364	0.269271
	-0.20334	-2.50455	0.013198	0.268255
TSPAN32;MRPL23;NAP1L4;CARS;IGF2;MOB2;C11orf21	-0.30556	-2.50694	0.013112	0.267762
	0.358502	2.506466	0.013129	0.267858
	0.18229	2.507407	0.013096	0.267576
	0.240432	2.507183	0.013104	0.26765
	-0.27606	-2.50664	0.013123	0.267849
	0.253937	2.506293	0.013135	0.267903
	0.245311	2.505412	0.013167	0.268013
	-0.19304	-2.50539	0.013168	0.268013
PEAR1	0.318455	2.501844	0.013296	0.268991
	-0.1816	-2.50254	0.013271	0.268877
C20orf166-AS1;ZBTB46;RPS21	0.247809	2.50578	0.013154	0.267959
ATP8B2	0.257188	2.502838	0.01326	0.268818
SCAND3;HCG14;ZSCAN16-AS1	-0.27476	-2.50103	0.013325	0.269033

	-0.31954	-2.50085	0.013332	0.269064
	0.252905	2.504422	0.013203	0.2683
	-0.26803	-2.50385	0.013223	0.268575
	0.234506	2.502927	0.013256	0.268793
	0.271288	2.503111	0.01325	0.268793
	0.280259	2.503553	0.013234	0.268643
	0.209537	2.507302	0.013099	0.267616
COL4A2	-0.39627	-2.50213	0.013285	0.268981
OSBPL2	-0.2896	-2.50518	0.013175	0.268116
	0.211868	2.506526	0.013127	0.267858
	0.307818	2.506223	0.013138	0.267916
	-0.35542	-2.50646	0.013129	0.267858
	-0.24598	-2.50373	0.013227	0.26859
	0.34519	2.506106	0.013142	0.267917
	0.203658	2.504786	0.01319	0.2682
PDE4B;LEPR	0.258044	2.502594	0.013269	0.268877
SLBP;ZNF721;TMED11P;RNF212	0.22995	2.504131	0.013213	0.268437
	0.323767	2.504025	0.013217	0.268488
	-0.37586	-2.50631	0.013135	0.267903
ST6GALNAC2;SMIM5;RNF157-AS1;ST6GALNAC1;SPHK1;RHBDF2;FOXJ1;H3F3B;UBALD2;UNC13D	0.311126	2.50143	0.013311	0.269026
	0.216504	2.505231	0.013174	0.268092
ENSG00000242622	0.26891	2.502981	0.013255	0.268793
	0.212977	2.503731	0.013228	0.26859
	0.286381	2.501216	0.013318	0.269026
CR1L;DYRK3;PIGR;SRGAP2;PFKFB2;IKBKE	-0.35765	-2.50126	0.013317	0.269026
CAPN14;CAPN13;GALNT14	-0.45925	-2.49662	0.013486	0.269937
TIE1;ATP6V0B;PTCH2;C1orf210;ELOVL1;CDC20;KIF2C	-0.30908	-2.50437	0.013205	0.268313
DPY19L1	-0.31168	-2.50114	0.013321	0.26903
OAT;CPXM2;BUB3;CTBP2	-0.36399	-2.50594	0.013148	0.267922
	-0.29617	-2.50452	0.013199	0.268262
	0.171905	2.505771	0.013154	0.267959
HN1;EVPL;ST6GALNAC1;SLC16A5;NT5C;UNC13D	-0.34182	-2.50672	0.01312	0.267838
	-0.26471	-2.50298	0.013255	0.268793
	0.277197	2.505323	0.01317	0.26805
	0.277233	2.50192	0.013293	0.268991
	0.315067	2.505579	0.013161	0.268004
	0.265958	2.503767	0.013226	0.26859
	-0.33442	-2.50496	0.013183	0.268176
	0.271797	2.501504	0.013308	0.269026
	0.276895	2.50189	0.013294	0.268991
	-0.15061	-2.50263	0.013267	0.268877
	0.301034	2.503045	0.013252	0.268793
	-0.14538	-2.50611	0.013142	0.267917
SHANK2;ANO1	0.344451	2.502807	0.013261	0.268818
	0.332471	2.503515	0.013235	0.268645

CPNE5;PI16;TBC1D22B;PPIL1;FANCE;TEAD3	0.19558	2.503662	0.01323	0.268601
	0.312097	2.501185	0.01332	0.269026
GRASP;DAZAP2;SLC11A2;METTL7A;ENSG00000257246;GALNT6;ACVR1B	0.207463	2.498824	0.013405	0.269432
ZNF229	-0.32874	-2.50001	0.013362	0.269271
	0.269951	2.501556	0.013306	0.269026
KIAA1432;KIAA2026;UHRF2;ENSG00000236567	-0.37644	-2.50121	0.013319	0.269026
	0.261678	2.50411	0.013214	0.268439
	-0.34207	-2.50433	0.013206	0.268326
	0.298107	2.502494	0.013272	0.268882
	-0.12463	-2.5033	0.013243	0.268751
SHANK2;SHANK2-AS1	0.28989	2.504871	0.013186	0.268189
	-0.37147	-2.50524	0.013173	0.268092
SEMA6D	0.23917	2.499939	0.013365	0.269271
	0.145283	2.505064	0.01318	0.268137
	0.308721	2.502073	0.013287	0.268991
	0.362571	2.503906	0.013221	0.268563
	0.267769	2.502331	0.013278	0.268938
	0.220997	2.50226	0.013281	0.268939
	-0.32677	-2.50547	0.013165	0.268013
	-0.24107	-2.50488	0.013186	0.268189
	0.44017	2.503059	0.013252	0.268793
RASGRP2;NRXN2;MAP4K2;PYGM	-0.32086	-2.50235	0.013277	0.268938
	0.311634	2.504561	0.013198	0.268255
	-0.31134	-2.50562	0.01316	0.268001
	-0.25883	-2.50237	0.013277	0.268938
	0.259956	2.500284	0.013352	0.269264
FOXF2;ENSG00000218027	0.319681	2.50121	0.013319	0.269026
	-0.37335	-2.50013	0.013358	0.269271
HLA-F;PPP1R18;HLA-E;PPP1R10;HLA-A;PPP1R11	-0.2761	-2.50482	0.013188	0.2682
	0.280281	2.503686	0.013229	0.268601
	-0.17913	-2.50165	0.013303	0.269026
	0.360224	2.503062	0.013252	0.268793
	0.546571	2.504662	0.013194	0.268255
	0.42643	2.503729	0.013228	0.26859
	0.213948	2.501921	0.013293	0.268991
	0.261875	2.498188	0.013429	0.269483
	-0.32874	-2.5044	0.013204	0.268307
	-0.34963	-2.5008	0.013333	0.269077
YAF2	0.213159	2.50186	0.013295	0.268991
	-0.27167	-2.50326	0.013245	0.268769
	0.192517	2.50304	0.013252	0.268793
PEAR1	-0.28764	-2.5036	0.013232	0.26862
RPL27	-0.20558	-2.50074	0.013336	0.269085
USP2;DSCAML1;C2CD2L;USP2-AS1;RPL5P30;CCDC153;IFT46;ENSG00000254590;MPZL2;TMPRSS4	-0.28653	-2.49962	0.013376	0.269271

PPP1R14C	0.259777	2.499566	0.013378	0.269271
	0.303745	2.504795	0.013189	0.2682
	0.23155	2.501085	0.013323	0.269033
DNAJC3-AS1;DZIP1;SOX21-AS1	-0.33916	-2.50384	0.013224	0.268575
	0.261649	2.504171	0.013212	0.268432
	0.192315	2.502518	0.013271	0.268877
	0.256723	2.502265	0.01328	0.268939
	-0.15427	-2.49948	0.013382	0.269287
RHPN1-AS1	-0.23824	-2.50361	0.013232	0.26862
	0.233363	2.502912	0.013257	0.268793
	0.175444	2.501696	0.013301	0.269026
	0.144699	2.502932	0.013256	0.268793
	-0.24758	-2.50253	0.013271	0.268877
ENSG00000231980;PTPRN2	-0.354	-2.50384	0.013224	0.268575
	-0.29221	-2.50489	0.013186	0.268189
CRNDE;IRX3;IRX5;RPGRIP1L	-0.33645	-2.4983	0.013425	0.269465
	-0.18608	-2.50546	0.013165	0.268013
ASH1L-AS1;JTB;SLC50A1;TPM3;UBE2Q1	0.164023	2.502845	0.013259	0.268818
MARS	0.319246	2.499943	0.013365	0.269271
	0.443682	2.502656	0.013266	0.268877
	-0.23058	-2.50233	0.013278	0.268938
	-0.26599	-2.50292	0.013257	0.268793
ENSG00000254441;RAB30;ANKRD42	-0.32572	-2.50135	0.013314	0.269026
STK10;CREBRF	-0.38081	-2.50061	0.01334	0.269151
	-0.2256	-2.50018	0.013356	0.269271
MCC;EPB41L4A	0.261949	2.499726	0.013372	0.269271
	-0.26199	-2.50161	0.013304	0.269026
USP49	-0.17483	-2.50123	0.013318	0.269026
	0.295381	2.50156	0.013306	0.269026
	0.291316	2.50181	0.013297	0.268991
	0.228441	2.502278	0.01328	0.268939
HSF1;SCRIB;FAM83H;PLEC	0.205316	2.501297	0.013315	0.269026
ATP11A;ENSG00000267868;TMEM255B;ADPRHL1	0.431943	2.503363	0.013241	0.26873
	0.265263	2.501597	0.013305	0.269026
TIMP2;C1QTNF1	-0.33569	-2.49706	0.01347	0.269781
	-0.31393	-2.50221	0.013283	0.268952
	0.217785	2.499196	0.013392	0.269367
	-0.15403	-2.49585	0.013514	0.27021
COL5A3;KANK2;AP1M2;DOCK6;CDKN2D;CNN1;PDE4A;RGL3	0.273354	2.499675	0.013374	0.269271
SFXN4	-0.33617	-2.50188	0.013294	0.268991
	0.166067	2.498854	0.013404	0.269432
	-0.41405	-2.50163	0.013303	0.269026
SLAMF8;FCRL6;AIM2;CCDC19	0.236479	2.503674	0.01323	0.268601
	0.376934	2.503173	0.013248	0.268793
	-0.20741	-2.50101	0.013326	0.269033
DDX51;ULK1;POLE;FBRSL1	-0.41905	-2.49716	0.013466	0.269781

SLC22A3;ENSG00000272841;PLG	-0.3419	-2.5005	0.013344	0.269197
	0.299961	2.495991	0.013509	0.270184
	-0.32784	-2.50228	0.01328	0.268939
	0.268415	2.504147	0.013213	0.268437
	-0.36838	-2.49575	0.013518	0.27021
	-0.27115	-2.50136	0.013313	0.269026
	-0.26656	-2.50184	0.013296	0.268991
	0.224946	2.50017	0.013356	0.269271
SEPW1;NOVA2	-0.33377	-2.49959	0.013378	0.269271
	-0.41565	-2.50264	0.013267	0.268877
CECR2	-0.26749	-2.49964	0.013376	0.269271
	0.250156	2.501797	0.013297	0.268991
	0.161378	2.501884	0.013294	0.268991
CRMP1;CCDC96;AFAP1;ENSG00000246526;KIAA0232;EVC	-0.17952	-2.49812	0.013431	0.269507
PPP1R18;DDR1;SLC44A4;CLIC1	-0.22163	-2.50118	0.01332	0.269026
RPS17L	-0.22365	-2.50305	0.013252	0.268793
LOH12CR1	0.239526	2.502547	0.01327	0.268877
CPXM2;CTBP2;OAT	-0.40976	-2.49566	0.013521	0.27021
	-0.33031	-2.50179	0.013298	0.268991
PDLIM4;C5orf56;IRF1;ACSL6;P4HA2;SOWAHA	0.299321	2.503024	0.013253	0.268793
	0.346647	2.500768	0.013335	0.269085
HSBP1L1	-0.29725	-2.4985	0.013417	0.269432
	-0.43879	-2.50034	0.01335	0.269264
	0.187146	2.497047	0.01347	0.269781
	0.27853	2.499986	0.013363	0.269271
	0.341089	2.50142	0.013311	0.269026
	0.226109	2.50282	0.01326	0.268818
	0.185674	2.502011	0.01329	0.268991
ZNF292	0.26737	2.500314	0.013351	0.269264
	-0.23173	-2.49471	0.013556	0.270346
NCKAP1L;ITGB7;ITGA5	0.336441	2.503525	0.013235	0.268645
NRN1;FARS2;F13A1	-0.4549	-2.50063	0.01334	0.269151
CDK2AP2	-0.28675	-2.50261	0.013268	0.268877
	0.16438	2.497167	0.013466	0.269781
RNASET2	-0.18329	-2.49574	0.013518	0.27021
	0.777302	2.50145	0.01331	0.269026
	0.239506	2.498768	0.013407	0.269432
RGL2	-0.25609	-2.4993	0.013388	0.269328
	0.264957	2.500739	0.013336	0.269085
	0.329884	2.501873	0.013295	0.268991
	0.194724	2.499929	0.013365	0.269271
ENSG00000246145;CSPP1;ENSG00000253223;ENSG00000250				
869;TCF24;PPP1R42	-0.31482	-2.49976	0.013371	0.269271
	-0.31881	-2.50153	0.013307	0.269026
	-0.26164	-2.49915	0.013393	0.269371
CSF3R;ADPRHL2	-0.16673	-2.50134	0.013314	0.269026

	0.148694	2.501167	0.01332	0.269026
GRB10;ZPBP	0.300973	2.498252	0.013426	0.269465
	0.238164	2.496211	0.013501	0.270089
	0.221698	2.495876	0.013513	0.27021
	0.135435	2.491822	0.013663	0.270974
ENSG00000184566	0.208152	2.499659	0.013375	0.269271
POMGNT1	0.315667	2.502538	0.013271	0.268877
	0.299562	2.497478	0.013454	0.2697
	-0.19957	-2.49845	0.013419	0.269432
	-0.28189	-2.49674	0.013482	0.269912
CCDC81	0.304257	2.498707	0.01341	0.269432
	0.248723	2.499515	0.01338	0.269271
	0.288554	2.493278	0.013609	0.270586
	-0.18101	-2.49556	0.013525	0.270249
	0.232983	2.499299	0.013388	0.269328
	0.437961	2.499361	0.013386	0.269328
PSD4	0.314632	2.497308	0.013461	0.269761
	-0.32952	-2.49618	0.013502	0.270089
	0.163937	2.495685	0.01352	0.27021
ENSG00000259881;RNF166	-0.3185	-2.50202	0.013289	0.268991
TRAPPC10;ICOSLG;CSTB	0.230383	2.501408	0.013311	0.269026
	-0.22515	-2.49671	0.013483	0.269912
MEOX1;GPATCH8;ATP6V0A1;CNTNAP1;COA3;RAMP2;AOC3;VPS25;BECN1;BRCA1;TMEM106A	-0.35613	-2.49799	0.013436	0.269563
CGN;SELENBP1;RORC;ENSG00000269621;HRNR;RIIAD1;LINGO4	-0.20172	-2.49757	0.013451	0.269668
	-0.16936	-2.49999	0.013363	0.269271
	-0.40423	-2.49985	0.013368	0.269271
PIK3C2B;MDM4	-0.33275	-2.50035	0.01335	0.269264
EDARADD	0.224763	2.501242	0.013317	0.269026
	-0.32031	-2.49955	0.013379	0.269271
	-0.19443	-2.50217	0.013284	0.268966
TRIM41	0.208092	2.497377	0.013458	0.269736
ZNF844;ZNF440;ZNF627;FBXW9;CCDC151;ZNF20	-0.31347	-2.49984	0.013368	0.269271
EGFL7;GPSM1;UAP1L1;NPDC1;FAM69B;QSOX2;LCNL1;NOTCH1	0.23764	2.496791	0.01348	0.269888
ZC2HC1C;DNAL1;CCDC176;ENSG00000259319;MLH3;ISCA2;LTBP2;FCF1;PNMA1;ELMSAN1;FAM161B;ACYP1;PGF;PTGR2	-0.28806	-2.49856	0.013415	0.269432
	0.291183	2.500322	0.013351	0.269264
NLK;FOXN1	0.280798	2.499389	0.013385	0.269325
ATG5	0.259798	2.498325	0.013424	0.269459
KIF13B	-0.31504	-2.50092	0.013329	0.269033
LAT2;NCF1	-0.24069	-2.49397	0.013583	0.270452
	-0.16459	-2.49873	0.013409	0.269432
	0.312905	2.497614	0.01345	0.269668
	0.220599	2.502054	0.013288	0.268991

	0.278546	2.500247	0.013354	0.269268
	-0.29742	-2.50003	0.013361	0.269271
PPIF;ZCCHC24;TMEM254;ANXA11;ZMIZ1;DYDC2	-0.36452	-2.49768	0.013447	0.269667
	-0.35637	-2.50009	0.013359	0.269271
	-0.17784	-2.501	0.013326	0.269033
	0.203977	2.497647	0.013448	0.269668
PAPD4	-0.43178	-2.50093	0.013329	0.269033
WDR45B;PCYT2;NOTUM;LRRC45;MAFG-AS1;METRNL;CCDC57	-0.44426	-2.50105	0.013324	0.269033
	-0.29025	-2.49931	0.013388	0.269328
	-0.34094	-2.50109	0.013323	0.269033
	0.370315	2.501412	0.013311	0.269026
	0.217156	2.497783	0.013443	0.269646
	0.265021	2.499973	0.013364	0.269271
	-0.43207	-2.50101	0.013326	0.269033
	0.314048	2.498525	0.013416	0.269432
SCARF1;INPP5K	0.258527	2.500278	0.013352	0.269264
MRPS15;CLSPN;COL8A2	-0.41199	-2.49946	0.013382	0.269287
	0.268907	2.499531	0.01338	0.269271
EXOSC4;SLC52A2	-0.37618	-2.49919	0.013392	0.269367
SH2D3C;PKN3;GARNL3	-0.24916	-2.50127	0.013316	0.269026
	0.338136	2.501994	0.01329	0.268991
	0.260279	2.498565	0.013415	0.269432
	-0.22742	-2.49933	0.013387	0.269328
	0.256454	2.501439	0.01331	0.269026
	-0.34807	-2.49825	0.013426	0.269465
	0.276454	2.49649	0.013491	0.269995
	-0.32306	-2.50132	0.013315	0.269026
	0.2198	2.499794	0.01337	0.269271
	-0.29302	-2.4975	0.013454	0.269693
CYS1;KLF11	0.219382	2.500594	0.013341	0.269151
	0.252529	2.495997	0.013509	0.270184
	0.24302	2.498646	0.013412	0.269432
VSTM4;C10orf128	0.224068	2.498752	0.013408	0.269432
	0.140793	2.496244	0.0135	0.270089
	-0.40695	-2.49497	0.013547	0.270317
	-0.24736	-2.50027	0.013353	0.269264
XPO7	-0.30834	-2.49711	0.013468	0.269781
	0.227758	2.501053	0.013324	0.269033
MSMB;TIMM23;PARG;ASAH2B	-0.45893	-2.49713	0.013467	0.269781
	-0.21547	-2.49991	0.013366	0.269271
DST	0.37141	2.496816	0.013479	0.269882
	-0.23188	-2.49649	0.013491	0.269995
H2AFY;CXCL14	-0.24852	-2.49406	0.01358	0.270409
CARF	-0.20009	-2.50005	0.013361	0.269271
	-0.20149	-2.49347	0.013602	0.270552
	0.2141	2.49875	0.013408	0.269432

	-0.74118	-2.50096	0.013328	0.269033
SLCO4A1	-0.49188	-2.49954	0.013379	0.269271
C10orf128	-0.31471	-2.50007	0.01336	0.269271
	-0.20996	-2.49985	0.013368	0.269271
	-0.2238	-2.49696	0.013473	0.269801
SLC35C1	0.234177	2.495939	0.013511	0.270209
	0.311433	2.498002	0.013435	0.269563
	0.32193	2.499677	0.013374	0.269271
TUBGCP2;PWWP2B	0.36042	2.500161	0.013357	0.269271
	-0.27965	-2.49865	0.013412	0.269432
	-0.1581	-2.50039	0.013348	0.269262
	-0.20136	-2.49971	0.013373	0.269271
	0.213939	2.496527	0.013489	0.269993
	0.349353	2.501913	0.013293	0.268991
	0.187662	2.495673	0.013521	0.27021
	0.309459	2.50058	0.013341	0.269151
	0.278946	2.496988	0.013472	0.269794
	0.182011	2.498476	0.013418	0.269432
UQCR10	0.244534	2.498536	0.013416	0.269432
RRP36	-0.23461	-2.49877	0.013407	0.269432
	-0.26216	-2.49478	0.013553	0.270328
NXPH3;COL1A1;EPN3;LRRC59;FAM117A;SGCA;ABI3;ENSG0000				
0250286	0.205657	2.494968	0.013547	0.270317
	0.134919	2.498553	0.013415	0.269432
	0.279236	2.499249	0.01339	0.269351
	0.294637	2.497642	0.013449	0.269668
IL2RB;APOL3;RAC2;MFNG;APOL2;CYTH4;CSF2RB;APOL1	0.433082	2.500826	0.013333	0.269072
PSMA5;CLCC1;KCNC4;AHCYL1;SYPL2;CSF1;GNAI3;GSTM2;TAF1				
3;GSTM5	-0.16459	-2.49492	0.013548	0.270322
	0.255813	2.497779	0.013443	0.269646
	-0.43673	-2.49589	0.013513	0.27021
	-0.27586	-2.49862	0.013413	0.269432
	-0.2559	-2.49897	0.0134	0.269432
	0.096353	2.498967	0.0134	0.269432
WDR45B;PCYT2	-0.2143	-2.49847	0.013418	0.269432
ENSG00000261087;GRHL2;ZNF706;AZIN1	-0.31668	-2.49447	0.013565	0.270397
	-0.20371	-2.49518	0.013539	0.270314
	0.19144	2.499757	0.013371	0.269271
C1QTNF2;ENSG00000247699	-0.24289	-2.4949	0.013549	0.270322
HLA-C;C2	-0.45216	-2.50154	0.013306	0.269026
	0.289814	2.498567	0.013415	0.269432
	0.240486	2.49907	0.013396	0.269419
	-0.26632	-2.49876	0.013408	0.269432
	0.297764	2.498661	0.013411	0.269432
	0.258505	2.498248	0.013426	0.269465
	0.287086	2.499785	0.01337	0.269271
	-0.19234	-2.49591	0.013512	0.27021

	0.218264	2.498413	0.01342	0.269432
CRY2;MAPK8IP1;MDK;SYT13	-0.2772	-2.49537	0.013532	0.270291
	0.17325	2.498664	0.013411	0.269432
SLC7A5	0.828392	2.498588	0.013414	0.269432
VSTM4	0.262021	2.495225	0.013537	0.270314
	-0.42409	-2.49754	0.013452	0.269683
	0.239731	2.498763	0.013408	0.269432
P2RY13;GPR87	-0.39268	-2.49478	0.013553	0.270328
TESPA1	-0.50069	-2.49837	0.013422	0.269444
GFRA1;RAB11FIP2;KIAA1598	0.231408	2.49707	0.013469	0.269781
	0.19417	2.499176	0.013393	0.269367
	0.212844	2.497892	0.013439	0.269617
	0.253281	2.49813	0.013431	0.269507
	0.258816	2.498632	0.013412	0.269432
TTC18;DNAJC9-AS1;RNU6-833P;P4HA1	0.189867	2.495008	0.013545	0.270317
FBXO6	0.272005	2.494263	0.013573	0.270404
RUNX1T1	0.343046	2.49381	0.013589	0.270485
	0.187998	2.497395	0.013458	0.269736
	0.218756	2.498363	0.013422	0.269444
CCDC88A;SPTBN1;RPL23AP32;SMEK2;CCDC104	-0.35523	-2.49897	0.0134	0.269432
EFCAB11;TDP1;TTC7B;CALM1;CCDC88C	-0.31734	-2.49432	0.013571	0.270404
	0.161958	2.495506	0.013527	0.270262
	0.248479	2.495244	0.013536	0.270314
LRRC37A3;ENSG00000264954	-0.29083	-2.49604	0.013507	0.270176
	0.279021	2.495538	0.013526	0.270251
EXOSC4	0.280437	2.492807	0.013626	0.270758
	-0.28057	-2.49806	0.013433	0.269539
RPL9P8;RPS17L;UBE2Q2P6	0.15529	2.499576	0.013378	0.269271
	0.24092	2.498889	0.013403	0.269432
	0.2766	2.491342	0.013681	0.271003
	0.228866	2.497885	0.01344	0.269617
	-0.18841	-2.49688	0.013477	0.269851
HTRA3;AFAP1;SORCS2;ACOX3;ABLIM2;PSAPL1	0.214131	2.489899	0.013734	0.271135
	0.113026	2.497755	0.013444	0.269649
TNXB	0.361233	2.497188	0.013465	0.269781
NIPAL4	0.398986	2.497074	0.013469	0.269781
	0.343098	2.500173	0.013356	0.269271
	-0.17665	-2.49784	0.013441	0.269635
SUPT7L	0.201736	2.497107	0.013468	0.269781
	0.386274	2.49758	0.013451	0.269668
	0.298272	2.498445	0.013419	0.269432
	-0.16192	-2.4949	0.013549	0.270322
TMEM255B;TFDP1;GAS6;TMCO3	-0.36528	-2.48834	0.013793	0.27156
FLT4;ADAMTS2;MGAT1	-0.30576	-2.49623	0.0135	0.270089
	0.30459	2.495092	0.013542	0.270317
	-0.32474	-2.49265	0.013632	0.270793
	-0.2425	-2.49713	0.013467	0.269781

FBLN2;GRIP2;ZFYVE20	-0.26405	-2.49294	0.013621	0.270711
FADS3;RAB3IL1;INTS5;TMEM258;SCGB2A1;DDB1;C11orf48;LRR N4CL	-0.3098	-2.49618	0.013502	0.270089
PARP9;DTX3L;CSTA;PARP14	-0.41651	-2.49628	0.013498	0.270089
BBS7	0.243924	2.488532	0.013785	0.271519
C9orf9;ADAMTSL2;C9orf171;AK8;MED22;TSC1;CACFD1	-0.31976	-2.4957	0.01352	0.27021
	-0.33562	-2.49773	0.013445	0.269654
LNX1;CHIC2	0.20286	2.494979	0.013546	0.270317
	-0.36536	-2.49533	0.013533	0.270291
RGS18	-0.45639	-2.49281	0.013626	0.270758
STYXL1;CCDC146;HIP1;ENSG00000250990	-0.19573	-2.49704	0.013471	0.269781
ADAMTS1;JAM2;ENSG00000197934	-0.32662	-2.49412	0.013578	0.270409
MIR143;ENSG00000253864;MIR143HG;MIR145;SYNPO;GPX3; ANXA6;PDGFRB;ARSI;CSNK1A1;HMGXB3	0.228486	2.49634	0.013496	0.270085
SMTN;SEC14L3	-0.37085	-2.49463	0.013559	0.270373
	-0.32727	-2.49451	0.013563	0.270397
	0.247343	2.498585	0.013414	0.269432
FXYD3;CLIP3;SCN1B;WTIP;COX6B1;COX7A1;ZFP82	-0.25395	-2.49375	0.013592	0.270485
TXNRD3;SEC61A1	0.151913	2.498421	0.01342	0.269432
TMEM255B;TMCO3;TFDP1;GAS6;GAS6-AS1;CUL4A	0.269755	2.495168	0.013539	0.270314
TBC1D10C	-0.24275	-2.49456	0.013562	0.270397
	0.299927	2.497001	0.013472	0.269794
	0.288293	2.49516	0.01354	0.270314
LINC00589	-0.36142	-2.49427	0.013572	0.270404
AKT3	-0.33306	-2.49422	0.013574	0.270406
SH3BP2;GRK4	-0.40086	-2.49431	0.013571	0.270404
	0.182549	2.494052	0.01358	0.270409
SDHA	0.240653	2.492491	0.013638	0.270793
	-0.25429	-2.49706	0.01347	0.269781
KLHDC4	0.245275	2.49621	0.013501	0.270089
	0.25803	2.492614	0.013633	0.270793
SH2D2A	-0.33607	-2.49578	0.013517	0.27021
	0.463126	2.492463	0.013639	0.270793
	0.306227	2.495676	0.013521	0.27021
	0.210379	2.494285	0.013572	0.270404
	-0.31814	-2.49309	0.013616	0.270648
	-0.27632	-2.49075	0.013702	0.271023
	-0.22723	-2.49671	0.013483	0.269912
	0.252267	2.497357	0.013459	0.269738
	0.233093	2.497593	0.01345	0.269668
	0.215306	2.494195	0.013575	0.270406
LINC00968	0.335109	2.491512	0.013674	0.270974
	-0.21201	-2.49506	0.013543	0.270317
	-0.21457	-2.49581	0.013516	0.27021
	-0.19819	-2.49819	0.013428	0.269483
	-0.41702	-2.49453	0.013563	0.270397
	0.354184	2.494247	0.013573	0.270404

H3F3AP6	0.43021	2.493225	0.013611	0.270589
	0.31721	2.495447	0.013529	0.270291
EDEM1	0.258431	2.493461	0.013602	0.270552
NXPH3;HOXB4;MIR10A;LRRC59;COL1A1;HOXB-AS2;HOXB3;FAM117A;HOXB5;ENSG00000262837	-0.30269	-2.49434	0.01357	0.270404
	0.168546	2.495329	0.013533	0.270291
	0.306792	2.496315	0.013497	0.270085
SLAMF1;ENSG00000213080;SLAMF6	-0.43603	-2.49665	0.013485	0.269928
	0.287278	2.495632	0.013522	0.270211
	0.31098	2.492273	0.013646	0.270823
USF1	-0.21202	-2.4933	0.013608	0.270583
	-0.17157	-2.49394	0.013584	0.270453
	-0.19158	-2.49279	0.013627	0.270758
	-0.32331	-2.49065	0.013707	0.271062
	0.199955	2.490251	0.013721	0.271084
	0.284597	2.498695	0.01341	0.269432
	-0.42148	-2.49741	0.013457	0.269736
	-0.26642	-2.49369	0.013594	0.270486
	0.373486	2.485448	0.013901	0.272032
CBFA2T3;SPATA33	-0.17898	-2.49448	0.013565	0.270397
	0.194877	2.493612	0.013597	0.270501
NOL7;SIRT5;CD83;PHACTR1	-0.28302	-2.49669	0.013483	0.269914
	-0.29321	-2.49504	0.013544	0.270317
RNF32	0.306319	2.496172	0.013502	0.270089
	-0.20393	-2.4977	0.013446	0.269665
	0.233837	2.494687	0.013557	0.270346
	0.28149	2.493305	0.013608	0.270583
RAPGEF3;PCED1B;ENSG00000205537;PCED1B-AS1;RPAP3;VDR	-0.38127	-2.49083	0.0137	0.27101
CSPG4P12	0.321031	2.494704	0.013556	0.270346
MT1E;CIAPIN1;POLR2C;MT2A	-0.25686	-2.49536	0.013532	0.270291
PDPK1	-0.16357	-2.49339	0.013605	0.270581
	0.343725	2.49016	0.013725	0.271084
	-0.25804	-2.49489	0.013549	0.270322
	0.320333	2.494367	0.013569	0.270404
STK10	0.408307	2.494437	0.013566	0.270397
	-0.2407	-2.495	0.013545	0.270317
	-0.27712	-2.4898	0.013738	0.271159
DENND2D;CD53;KCND3;KCNC4;DRAM2;PIFO;FAM212B;LRIF1;CEPT1;KCNA3;LAMTOR5	-0.36449	-2.49256	0.013635	0.270793
C1QTNF1;CBX2;SLC26A11;SGSH	-0.40328	-2.49387	0.013587	0.270483
CYP1B1-AS1;CYP1B1;PRKD3	0.28747	2.490855	0.013699	0.27101
	-0.28228	-2.49778	0.013444	0.269646
	-0.29075	-2.49121	0.013685	0.271003
PITPNM2;HIP1R;WDR66;ENSG00000256546;TMEM120B	0.370811	2.493309	0.013608	0.270583
	-0.22294	-2.49442	0.013567	0.270397
	-0.26656	-2.4904	0.013716	0.271084

	0.252887	2.490791	0.013701	0.27102
	0.222339	2.49574	0.013518	0.27021
CARD8	-0.36747	-2.49236	0.013643	0.270793
	-0.30008	-2.49359	0.013597	0.270501
	0.348054	2.495627	0.013522	0.270211
	0.23629	2.494458	0.013565	0.270397
	0.267997	2.492356	0.013643	0.270793
	0.265941	2.490356	0.013717	0.271084
	0.283551	2.493612	0.013597	0.270501
	0.186545	2.493246	0.01361	0.270586
	0.250667	2.491075	0.013691	0.271003
	0.27631	2.494412	0.013567	0.270397
	0.198857	2.493049	0.013617	0.270667
	-0.19394	-2.49275	0.013629	0.270776
	-0.33042	-2.4926	0.013634	0.270793
	0.289769	2.494848	0.013551	0.270328
PLCG1;PTPRT;ZHX3;ENSG00000226648	0.351944	2.488401	0.01379	0.271531
	-0.52853	-2.49364	0.013596	0.270501
	-0.25238	-2.49151	0.013674	0.270974
FBXL7	0.313132	2.490683	0.013705	0.271062
	0.219331	2.495295	0.013535	0.270291
ABHD17C;IL16	-0.37201	-2.49418	0.013576	0.270406
ENSG00000255545;B3GAT1	0.261373	2.491694	0.013668	0.270974
TNFRSF1B	-0.32598	-2.495	0.013546	0.270317
ENSG00000262601;FAM92B;KIAA0513;FOXF1;FENDRR;C16orf74	-0.31361	-2.49239	0.013642	0.270793
	-0.20475	-2.4912	0.013686	0.271003
	-0.31628	-2.49485	0.013551	0.270328
PIGV;NUDC;PDIK1L;HMGN2;CD164L2;FAM76A;PPP1R8;TRNP1;STX12;RPS6KA1;WDTC1;UBXN11;C1orf172	-0.23574	-2.49381	0.013589	0.270485
	0.374274	2.489098	0.013764	0.271348
	-0.23172	-2.49569	0.01352	0.27021
	-0.18461	-2.4905	0.013712	0.271084
ZNF396;ZSCAN30	0.203048	2.493445	0.013603	0.270552
	-0.27146	-2.49325	0.01361	0.270586
	0.324305	2.49134	0.013681	0.271003
	0.23347	2.493353	0.013606	0.270583
	0.256783	2.494792	0.013553	0.270328
C6orf57	-0.34693	-2.49089	0.013698	0.27101
	-0.26404	-2.49483	0.013552	0.270328
	0.307465	2.491263	0.013684	0.271003
	0.167582	2.495034	0.013544	0.270317
	-0.33892	-2.49171	0.013667	0.270974
SMIM5;ST6GALNAC2;ST6GALNAC1;UNC13D;RHBDF2;RNF157-AS1	0.388624	2.495722	0.013519	0.27021
IRX3	-0.3553	-2.49259	0.013634	0.270793
ATP6V1D;MPP5;RAD51B	-0.37746	-2.49299	0.01362	0.270689

	0.295388	2.494077	0.013579	0.270409
	-0.22175	-2.49038	0.013716	0.271084
MAPK12;RABL2B;SHANK3;MAPK11;DENND6B;C22orf34;ENSG0				
0000213279;CRELD2;ODF3B;ADM2;SCO2;PANX2	-0.21698	-2.49272	0.013629	0.270781
	0.280973	2.491632	0.01367	0.270974
	0.20131	2.491056	0.013691	0.271003
	-0.29291	-2.49529	0.013535	0.270291
FSTL3;CFD;MISP	-0.40135	-2.49718	0.013465	0.269781
	0.223387	2.494391	0.013568	0.2704
PSMA4;WDR61	-0.39633	-2.49408	0.013579	0.270409
MEI1	-0.24682	-2.49534	0.013533	0.270291
ENSG00000260807;UNKL;SOX8;ECI1;TRAF7;MRPS34;FAHD1;C1				
6orf91;CCNF;HN1L	-0.38899	-2.49514	0.01354	0.270316
	0.234561	2.493908	0.013586	0.270464
TBC1D10C;PTPRCAP;ADRBK1;ALDH3B1	0.310057	2.494591	0.01356	0.270391
ENSG00000198832;DUSP18;SMTN;CCDC157	-0.23734	-2.49089	0.013697	0.27101
	-0.29678	-2.49006	0.013728	0.271116
	-0.27391	-2.49633	0.013497	0.270085
	0.354293	2.490496	0.013712	0.271084
SUPT6H;IFT20;LYRM9;NLK;TLCD1	-0.34244	-2.48921	0.01376	0.271331
	-0.45445	-2.48969	0.013742	0.271204
CCDC176;DNAL1;PNMA1;FAM161B;NUMB;ELMSAN1	-0.40425	-2.49232	0.013644	0.2708
	0.190378	2.491595	0.013671	0.270974
	-0.12853	-2.49098	0.013694	0.271006
	-0.44205	-2.4954	0.013531	0.270291
	-0.22657	-2.49245	0.01364	0.270793
	-0.20457	-2.49536	0.013532	0.270291
ENSG00000228648;FGFR1OP;ENSG00000231720;PRR18	-0.34823	-2.49183	0.013662	0.270974
	-0.34907	-2.49141	0.013678	0.271003
	0.309578	2.492202	0.013649	0.270837
	-0.29553	-2.49121	0.013686	0.271003
IGF2;NAP1L4;MRPL23;CARS	-0.36776	-2.49254	0.013636	0.270793
	-0.2436	-2.49345	0.013602	0.270552
	-0.26752	-2.49475	0.013555	0.270338
	-0.33489	-2.49203	0.013655	0.270933
	0.190143	2.491003	0.013693	0.271003
ADCY5;MYLK;SEMA5B;WDR5B;PARP15	0.219572	2.49193	0.013659	0.270959
ENSG00000178404	-0.31288	-2.48806	0.013803	0.271592
	0.20432	2.492477	0.013639	0.270793
	0.403056	2.494178	0.013576	0.270406
	-0.32615	-2.49516	0.013539	0.270314
ZDHHC13	0.301412	2.488169	0.013799	0.271592
	-0.28027	-2.49252	0.013637	0.270793
	-0.15555	-2.49313	0.013615	0.270648
	-0.27912	-2.49407	0.01358	0.270409
	-0.19052	-2.49186	0.013662	0.270974
	0.220394	2.49396	0.013584	0.270452

	-0.25617	-2.49207	0.013654	0.270923
TENC1;GRASP;ACVRL1;GALNT6;POU6F1;ENSG00000257337;KRT7;KRT18;KRT80;KRT8	0.341596	2.488067	0.013803	0.271592
	-0.2978	-2.49092	0.013696	0.27101
	-0.3788	-2.49376	0.013591	0.270485
	-0.29275	-2.49159	0.013672	0.270974
	-0.27338	-2.49237	0.013643	0.270793
	0.264448	2.48753	0.013823	0.271714
	-0.71336	-2.49416	0.013576	0.270407
	-0.22821	-2.49299	0.013619	0.270689
NANS;CORO2A;TMOD1;GALNT12;CCDC180;C9orf156	0.344049	2.491922	0.013659	0.270959
	-0.18041	-2.49371	0.013593	0.270485
	0.378905	2.493803	0.01359	0.270485
	0.249978	2.492437	0.01364	0.270793
	-0.33917	-2.49374	0.013592	0.270485
ANGEL1;VASH1	-0.19557	-2.49192	0.013659	0.270959
SCGB2A1;TMEM258;MS4A8	-0.28135	-2.49376	0.013591	0.270485
	-0.29818	-2.49442	0.013567	0.270397
ATP6V0A1;FKBP10;PTRF;STAT5B;TTC25;KRT20;KRT42P;STAT5A;LEPREL4;KRT12;KRT39;ENSG00000264058;ENSG00000234477	-0.22832	-2.49064	0.013707	0.271062
PTP4A3;BAI1;ENSG00000271959;ENSG00000261655	-0.47429	-2.49113	0.013689	0.271003
ABCC5;MAP3K13;ENSG00000273181;HTR3E;MCF2L2	-0.34685	-2.49334	0.013607	0.270583
TNXB;SLC44A4;NOTCH4;NELFE;VWA7;LY6G5C;C6orf10;ENSG00000225914;CLIC1;BAG6;DDR1	-0.22332	-2.48839	0.01379	0.271531
TBCD;C17orf62;PYCR1	-0.27758	-2.4891	0.013764	0.271348
	0.270095	2.49109	0.01369	0.271003
	-0.24067	-2.49372	0.013593	0.270485
OSBPL10	-0.35196	-2.48535	0.013905	0.272032
PPP1R32;MS4A8;LRRC10B;TMEM216;DAK;ENSG00000257052;SCGB1A1;CYB561A3;TMEM138;SCGB2A1;ENSG00000255446;TMEM132A;INCENP;VPS37C	-0.27417	-2.48749	0.013824	0.271714
	0.215991	2.491209	0.013686	0.271003
	0.318897	2.491149	0.013688	0.271003
	-0.18871	-2.49091	0.013697	0.27101
KLHDC7A;SDHB;ARHGEF10L	-0.30723	-2.49358	0.013598	0.270501
	0.263348	2.491677	0.013668	0.270974
	-0.16412	-2.48122	0.014061	0.272984
PYHIN1;ENSG00000225670;SLAMF1;CD84;LY9;CADM3;AIM2;CCDC19;ENSG00000213080;DARC	-0.35332	-2.49019	0.013723	0.271084
ZDHHC4;FSCN1	0.342647	2.488754	0.013777	0.271467
	0.273856	2.490303	0.013719	0.271084
SCN3B;HSPA8;C11orf63;ENSG00000255248;ATP5F1P5;CLMP	-0.37855	-2.49023	0.013722	0.271084
	0.288388	2.491537	0.013673	0.270974
	-0.33638	-2.4931	0.013615	0.270648
	0.301905	2.492252	0.013647	0.270826

	0.331976	2.490244	0.013721	0.271084
	-0.21089	-2.49153	0.013674	0.270974
	-0.25628	-2.49289	0.013623	0.270737
	0.245812	2.491021	0.013693	0.271003
	-0.19492	-2.4896	0.013745	0.271211
SPINT2	-0.38508	-2.48993	0.013733	0.271135
	0.327208	2.491564	0.013672	0.270974
	0.22234	2.488182	0.013798	0.271592
	-0.20203	-2.49084	0.013699	0.27101
ADAMTSL2;C9orf171;C9orf9;AK8;LINC00094;SURF1;SARDH;SU				
RF2;MED22;CACFD1	-0.24799	-2.48346	0.013976	0.272453
CPSF1P1;SLC5A4	0.347753	2.49112	0.013689	0.271003
	0.372166	2.491916	0.013659	0.270959
PMP22;ADORA2B	0.306074	2.491546	0.013673	0.270974
	-0.21928	-2.49115	0.013688	0.271003
GORASP2	0.246312	2.491268	0.013683	0.271003
	0.204011	2.49036	0.013717	0.271084
	0.204276	2.491017	0.013693	0.271003
HRC;PLA2G4C;CARD8;TEAD2;RUVBL2;EHD2;RASIP1;SEPW1;PRR				
G2;CCDC114;RCN3;PIH1D1;CYTH2;HSD17B14	-0.31784	-2.48952	0.013749	0.271219
	-0.15321	-2.48851	0.013786	0.271519
	0.306613	2.488781	0.013776	0.271467
CEBPB;PTGIS	-0.34931	-2.48805	0.013803	0.271592
	0.253753	2.489526	0.013748	0.271219
DENND2D;CD53;FAM212B;DRAM2;KCNC4;PIFO;KCND3;LRIF1;C				
EPT1;KCNA3;ENSG00000259834;LAMTOR5-AS1;KCND3-AS1	-0.36113	-2.49255	0.013636	0.270793
	0.516913	2.491299	0.013682	0.271003
IQGAP3;SMG5;RAB25;TMEM79;PEAR1;RIT1;BCAN;DAP3;C1orf				
85	-0.29116	-2.49158	0.013672	0.270974
	-0.2399	-2.4917	0.013667	0.270974
	0.232684	2.490014	0.01373	0.271116
NLRC5	-0.31561	-2.4928	0.013626	0.270758
	-0.21156	-2.49146	0.013676	0.27098
HILPDA;UBE2H;KLHDC10	-0.36863	-2.48793	0.013808	0.271622
	0.180032	2.490633	0.013707	0.271062
	0.265509	2.490191	0.013723	0.271084
P2RX5	-0.2007	-2.48678	0.013851	0.271949
HERC2P3	0.373863	2.492377	0.013642	0.270793
	0.254919	2.489896	0.013734	0.271135
	0.197096	2.490228	0.013722	0.271084
CLDN7;WSCD1;ATP1B2;BCL6B;NLGN2;ZBTB4;MPDU1;MIR497H				
G;SLC2A4;TNFSF12;TXNDC17	0.215327	2.488827	0.013774	0.271467
	0.26536	2.492348	0.013643	0.270793
	0.290716	2.490082	0.013727	0.271116
B4GALNT4;TALDO1	-0.25569	-2.48601	0.01388	0.271981
	0.234088	2.488615	0.013782	0.271519

	0.327892	2.488827	0.013774	0.271467
	0.196376	2.488513	0.013786	0.271519
	-0.18444	-2.48348	0.013975	0.272453
	0.318959	2.490951	0.013695	0.27101
	-0.2619	-2.49223	0.013648	0.270827
STEAP3	0.309055	2.486266	0.01387	0.271981
	0.218876	2.492538	0.013636	0.270793
	0.213591	2.489925	0.013733	0.271135
	0.233523	2.492652	0.013632	0.270793
	0.278696	2.490822	0.0137	0.27101
	-0.12815	-2.48965	0.013743	0.271205
	0.232345	2.491555	0.013673	0.270974
PITPNC1;PRKCA;C17orf58	0.273736	2.490612	0.013708	0.271065
PRELP;FMOD	0.266286	2.488757	0.013777	0.271467
	0.198328	2.489291	0.013757	0.271322
	0.253512	2.490499	0.013712	0.271084
CD40	-0.2421	-2.48684	0.013849	0.27193
	-0.21518	-2.49118	0.013687	0.271003
	0.210298	2.491282	0.013683	0.271003
	0.301745	2.483402	0.013978	0.272456
	0.324039	2.488992	0.013768	0.271392
RAB17;COL6A3;IQCA1;MLPH;HES6	0.32553	2.488443	0.013789	0.271531
SIX1;SIX4;PCNXL4;MNAT1;SLC38A6;TMEM30B;C14orf39;CCDC 175;PRKCH	0.329862	2.488002	0.013805	0.271605
	0.296139	2.491031	0.013692	0.271003
	0.231102	2.487801	0.013813	0.271638
	-0.22239	-2.48873	0.013778	0.271474
ITK	-0.26016	-2.49024	0.013722	0.271084
	-0.25948	-2.49047	0.013713	0.271084
	0.174651	2.485339	0.013905	0.272032
	0.237612	2.492021	0.013655	0.270933
	0.270257	2.488562	0.013784	0.271519
	0.268349	2.485655	0.013893	0.272032
	0.413814	2.48933	0.013756	0.271306
DIO3OS;HSP90AA1;MEG8;DIO3	0.316153	2.483687	0.013967	0.272419
	0.306188	2.491899	0.01366	0.270959
GRIK5;ENSG00000268027;CXCL17	0.153658	2.484813	0.013925	0.272091
ENSG00000272902	0.267003	2.490307	0.013719	0.271084
STAT2	0.274062	2.491008	0.013693	0.271003
	0.229295	2.48959	0.013746	0.271211
MRPS23	-0.18147	-2.48594	0.013882	0.271981
	0.269974	2.491809	0.013663	0.270974
SLC6A9;TMEM53;CCDC24;PTPRF;ST3GAL3;TCTEX1D4;ERI3;ATP 6V0B	0.246087	2.490257	0.013721	0.271084

TTLL10;ANKRD65;C1orf222;ENSG00000272106;MXRA8;SAMD11;TTLL10-AS1;ATAD3A;RNF223;LINC01128;ENSG00000223764;CALML6;ENSG00000217801	-0.2231	-2.48543	0.013902	0.272032
DNAH17;ENSG00000267491;TNRC6C	0.382032	2.491486	0.013675	0.270974
	-0.15492	-2.48804	0.013804	0.271592
	0.360981	2.487309	0.013831	0.271744
	0.334934	2.486936	0.013845	0.271893
	-0.1609	-2.48806	0.013803	0.271592
	-0.22983	-2.49112	0.013689	0.271003
GATA2;ENSG00000244300;RUVBL1	0.227433	2.487773	0.013814	0.271638
SNORD3B-2;SNORD3B-1;SNORD3A;SNORD3D	0.262588	2.48592	0.013883	0.271981
	-0.34572	-2.48888	0.013772	0.271459
	-0.19809	-2.48937	0.013754	0.271288
RGS9	-0.15651	-2.48977	0.013739	0.27117
	0.338572	2.489579	0.013746	0.271211
TMEM37	-0.23405	-2.48985	0.013736	0.271135
	0.348434	2.485661	0.013893	0.272032
	0.256195	2.490765	0.013702	0.271023
	0.228429	2.484491	0.013937	0.272152
	0.25302	2.489166	0.013762	0.271348
	-0.65175	-2.49149	0.013675	0.270974
LMCD1;THUMPD3	-0.32037	-2.48866	0.013781	0.271513
	-0.29657	-2.48858	0.013784	0.271519
	0.225629	2.488217	0.013797	0.271592
FAM83H-AS1;RHPN1-AS1;ARHGAP39;EEF1D;FAM83H	-0.26577	-2.48619	0.013873	0.271981
	-0.33279	-2.49161	0.013671	0.270974
	0.310223	2.489856	0.013736	0.271135
SKI;MXRA8;NADK;RER1;VWA1;LINC00982	0.447755	2.487148	0.013837	0.271787
	0.197119	2.490116	0.013726	0.271103
DCDC2B	0.274952	2.4895	0.013749	0.271219
	0.166319	2.48655	0.01386	0.271981
	-0.38583	-2.49024	0.013722	0.271084
	0.196965	2.488429	0.013789	0.271531
	0.277117	2.489628	0.013744	0.271211
	0.155575	2.490035	0.013729	0.271116
	0.213943	2.485563	0.013897	0.272032
	0.184748	2.484796	0.013926	0.272091
ZKSCAN1;BUD31;BAIAP2L1;COPS6;ZNF3;ZCWPW1;KPNA7;STAG3	-0.39676	-2.49043	0.013714	0.271084
	0.377476	2.489105	0.013764	0.271348
SMAD6;IGDCC4;VWA9	0.351189	2.488127	0.0138	0.271592
	0.28794	2.488075	0.013802	0.271592
	0.197687	2.482842	0.013999	0.272583
KIAA1755;VSTM2L	0.287656	2.491506	0.013675	0.270974
	-0.29661	-2.4827	0.014005	0.272617
	-0.29341	-2.48737	0.013829	0.271714

PCDH12;SPRY4;PCDH1;KIAA0141;FGF1;NR3C1;ENSG00000271871	0.328967	2.489658	0.013743	0.271205
	-0.3197	-2.48737	0.013829	0.271714
HLA-K	0.31201	2.487368	0.013829	0.271714
	0.202703	2.484208	0.013948	0.272237
	-0.36973	-2.48598	0.013881	0.271981
	0.396191	2.490562	0.01371	0.271084
	0.309775	2.489966	0.013732	0.271135
SMOC2	0.307748	2.489706	0.013741	0.271204
NRXN2;RASGRP2;MAP4K2;STIP1;PRDX5;PYGM;HRASLS2;VEGFB;RTN3;PLA2G16;CCDC88B	-0.30373	-2.4883	0.013794	0.271573
	-0.28745	-2.48675	0.013852	0.271954
HSP90AA1;MOK;ENSG00000259508;TRAF3;ENSG00000270108	-0.21992	-2.48146	0.014052	0.272912
COBL;IKZF1	0.174167	2.488074	0.013802	0.271592
IGF1R;SYNM;DNM1P46;LYSMD4;TTC23;ENSG00000261616	0.259383	2.481934	0.014034	0.272798
	-0.2103	-2.48927	0.013758	0.271324
	0.189723	2.485242	0.013909	0.27208
SNORA73B;SNHG3	-0.22406	-2.48557	0.013896	0.272032
	0.214356	2.486596	0.013858	0.271981
	-0.3155	-2.48587	0.013885	0.271981
BRK1	0.434661	2.489211	0.01376	0.271331
NAPSB;PPP1R15A;PIH1D1	-0.33495	-2.49002	0.01373	0.271116
	0.230241	2.486675	0.013855	0.271981
	-0.25377	-2.48555	0.013897	0.272032
RPS18;SLC39A7;VPS52	0.194108	2.485869	0.013885	0.271981
DYNC1I2;GORASP2	-0.43249	-2.48556	0.013897	0.272032
	0.203266	2.490166	0.013724	0.271084
DEF6	-0.2937	-2.48915	0.013762	0.271348
KIAA0922	-0.30737	-2.49032	0.013719	0.271084
	-0.21644	-2.4874	0.013827	0.271714
	0.183918	2.485955	0.013882	0.271981
	0.319686	2.487701	0.013816	0.271642
	0.267117	2.48595	0.013882	0.271981
	-0.28796	-2.48775	0.013814	0.271638
	0.349927	2.486067	0.013878	0.271981
MTMR9LP	-0.17809	-2.48334	0.013981	0.272491
	0.226334	2.487621	0.013819	0.271689
	0.252649	2.489422	0.013752	0.271263
	0.249913	2.484527	0.013936	0.272152
COL5A3;PDE4A;CDKN2D;QTRT1	0.552193	2.488106	0.013801	0.271592
JRKL	0.345807	2.48611	0.013876	0.271981
	0.264537	2.49019	0.013723	0.271084
	0.39333	2.489252	0.013758	0.271326
	0.271658	2.487965	0.013806	0.27161

GGT1;C22orf15;RAB36;GGT5;ENSG00000272019;RTDR1;GNAZ; FAM211B;ENSG00000232545	-0.26649	-2.48704	0.013841	0.27185
KLF11;CYS1;KIDINS220	0.273176	2.484829	0.013924	0.272091
	-0.27887	-2.48846	0.013788	0.271531
	0.272372	2.485852	0.013886	0.271981
	-0.30276	-2.48663	0.013857	0.271981
	0.14533	2.489086	0.013765	0.271348
	-0.29383	-2.48879	0.013776	0.271467
	0.226031	2.485433	0.013902	0.272032
	0.317157	2.486432	0.013864	0.271981
LPCAT1;PDCD6;TPPP;TRIP13;NKD2;ENSG00000188002;AHRR	-0.25034	-2.48599	0.01388	0.271981
	-0.22313	-2.48951	0.013749	0.271219
CEP68	-0.37421	-2.48556	0.013897	0.272032
CASP3;RWDD4	0.254619	2.487544	0.013822	0.271714
	0.185626	2.486339	0.013867	0.271981
ENSG00000229605	0.193407	2.485521	0.013898	0.272032
	-0.33878	-2.48781	0.013812	0.271638
	0.276787	2.486604	0.013858	0.271981
GTF2H3	0.256978	2.489867	0.013735	0.271135
	0.22658	2.485871	0.013885	0.271981
	0.306099	2.487802	0.013813	0.271638
	0.257938	2.486836	0.013849	0.27193
PPP1R11	0.241306	2.487516	0.013823	0.271714
	0.323784	2.486195	0.013873	0.271981
ENSG00000225914;CFB;HLA-C;C6orf10;NOTCH4	-0.46145	-2.48311	0.013989	0.272529
	-0.2449	-2.48564	0.013894	0.272032
TPPP;LPCAT1	-0.23804	-2.48819	0.013798	0.271592
ENSG00000244167;FSCN1;RSPH10B;RSPH10B2;ENSG00000239 696;C1GALT1	-0.27219	-2.48214	0.014026	0.272798
PRAM1;MYO1F;ENSG00000263264	-0.15231	-2.48521	0.01391	0.27208
	-0.25528	-2.48533	0.013906	0.272032
	0.233254	2.486673	0.013855	0.271981
	0.218524	2.486349	0.013867	0.271981
	0.327239	2.488539	0.013785	0.271519
	0.196966	2.484309	0.013944	0.272216
FRMD4A;FAM107B;DCLRE1C	-0.3336	-2.489	0.013768	0.271392
	0.295816	2.487198	0.013835	0.271775
KLHL18	0.218672	2.48469	0.01393	0.272091
RLTPR;CDH5;CMTM4;FAM65A;CES4A;ATP6V0D1;SLC12A4;GFO D2;ZDHHC1;CMTM3;FAM96B;TPPP3;TSNAXIP1	-0.37226	-2.48498	0.013919	0.272091
	0.282439	2.48193	0.014034	0.272798
	0.262099	2.48288	0.013998	0.272568
	0.314928	2.486073	0.013877	0.271981
AGAP2	-0.28077	-2.48592	0.013883	0.271981
	0.30917	2.487989	0.013806	0.271605
	-0.36316	-2.48877	0.013776	0.271467

	0.274427	2.485828	0.013887	0.271986
	0.197053	2.481747	0.014041	0.272858
RASAL2	0.283292	2.487441	0.013826	0.271714
	0.247431	2.488539	0.013785	0.271519
	0.162342	2.486591	0.013858	0.271981
	0.252808	2.486197	0.013873	0.271981
	0.334395	2.486249	0.013871	0.271981
	0.369946	2.486962	0.013844	0.271888
	0.20248	2.488405	0.01379	0.271531
ST6GAL2	-0.26792	-2.48604	0.013879	0.271981
	0.350154	2.485342	0.013905	0.272032
	-0.27902	-2.48061	0.014084	0.273153
	0.181574	2.481542	0.014049	0.272872
CRYM	-0.28916	-2.48436	0.013942	0.272212
	-0.22773	-2.48498	0.013919	0.272091
	-0.2338	-2.48465	0.013931	0.272091
BCCIP;DHX32	0.235165	2.486173	0.013874	0.271981
	0.212468	2.486171	0.013874	0.271981
	-0.23835	-2.4841	0.013952	0.272289
GCH1;CNIH1;LGALS3;WDHD1;DLGAP5;CDKN3	-0.4561	-2.48788	0.01381	0.271638
	0.241768	2.485016	0.013917	0.272091
	0.222082	2.483998	0.013956	0.272314
FMNL3;CACNB3;C12orf68;KCNH3;SPATS2;WNT10B;TMBIM6;LMBR1L;CCDC65;ENSG00000258334	-0.42857	-2.48717	0.013836	0.271781
	0.346897	2.488206	0.013797	0.271592
	-0.21856	-2.48742	0.013827	0.271714
S100P;EVC	-0.2189	-2.4823	0.01402	0.272798
	0.36393	2.484049	0.013954	0.272302
FA2H;CHST6;ENSG00000203472;RFWD3;TMEM170A	0.219431	2.485655	0.013893	0.272032
	-0.18835	-2.48485	0.013924	0.272091
	-0.33024	-2.48509	0.013914	0.272091
	-0.26947	-2.48658	0.013859	0.271981
HABP4;FANCC;PTCH1;SLC35D2;MIR27B;C9orf3;ENSG00000223849	0.316816	2.484768	0.013927	0.272091
HCP5;HLA-B;HLA-E;HLA-A;HLA-C;LTB;MICB;TNF;VARS2	-0.38381	-2.48727	0.013833	0.271762
DPY19L2	-0.21678	-2.48402	0.013955	0.272311
	0.301797	2.482893	0.013998	0.272568
	-0.31768	-2.48476	0.013927	0.272091
TMEM25;PHLDB1;KMT2A;MPZL3	-0.2717	-2.48607	0.013878	0.271981
ABHD14B	0.22732	2.486587	0.013858	0.271981
	0.27905	2.487779	0.013813	0.271638
	-0.19008	-2.48577	0.013889	0.272019
	0.169985	2.485858	0.013886	0.271981
	0.310458	2.486145	0.013875	0.271981
	-0.26667	-2.48518	0.013911	0.272089
ENSG00000272079;HS3ST6;HAGH;BAIAP3;IFT140;IL32;CLDN9	-0.24713	-2.48544	0.013901	0.272032

	0.198782	2.487718	0.013816	0.271642
SCUBE1;NUP50;ENSG00000226328;ENSG00000230922;PHF21B;PARVB	-0.30664	-2.48155	0.014049	0.272872
	0.268357	2.487524	0.013823	0.271714
CD40	-0.34529	-2.48607	0.013877	0.271981
TDRP	0.269057	2.487229	0.013834	0.271765
	0.341511	2.485433	0.013902	0.272032
	0.313133	2.485219	0.01391	0.27208
ZNF683;RUNX3	-0.25902	-2.48723	0.013834	0.271765
	0.216281	2.486417	0.013865	0.271981
	0.253726	2.487421	0.013827	0.271714
	0.208294	2.48744	0.013826	0.271714
SEC16A	-0.52909	-2.4802	0.0141	0.27327
GPRIN3	-0.35906	-2.48431	0.013944	0.272216
	-0.27587	-2.48603	0.013879	0.271981
	0.192664	2.48696	0.013844	0.271888
	-0.16731	-2.48651	0.013861	0.271981
	0.254702	2.486193	0.013873	0.271981
RSG1;C1orf134;ENSG00000233421	0.201779	2.484927	0.013921	0.272091
	-0.1937	-2.4805	0.014088	0.273165
	-0.2457	-2.48375	0.013965	0.27241
	0.241963	2.481938	0.014034	0.272798
	0.183975	2.486378	0.013866	0.271981
ZDHHC14	-0.29383	-2.48206	0.014029	0.272798
	-0.27965	-2.48138	0.014055	0.272918
ERBB3;ITGA7;TIMELESS;WIBG;GDF11;ATP5B;DGKA;RPS26;MMP19	-0.5455	-2.48481	0.013925	0.272091
	-0.23624	-2.48424	0.013947	0.272237
BNIPL;ENSA;THEM4;CGN	-0.36584	-2.48774	0.013815	0.271638
SLC37A1;C21orf128;RSPH1;TMPRSS2;UMODL1;TMPRSS3;ENSG00000225431;LINC00479;LINC00111;PDE9A;ZNF295-AS1;ENSG00000235772	-0.32909	-2.48678	0.013851	0.271949
	-0.25959	-2.4813	0.014058	0.272954
	0.243963	2.483447	0.013977	0.272453
ARHGEF10;MYOM2	-0.33415	-2.48321	0.013985	0.272509
	0.229523	2.485981	0.013881	0.271981
	-0.33946	-2.48207	0.014029	0.272798
	-0.17199	-2.48447	0.013938	0.272152
	-0.18458	-2.48652	0.013861	0.271981
DLL4;ENSG00000261183;RMDN3;C15orf52;GPR176	0.258643	2.481644	0.014045	0.272872
	-0.26603	-2.48494	0.01392	0.272091
	0.239801	2.486141	0.013875	0.271981
CSPG4;ISLR;SCAMP2;COX5A;SNX33	-0.30041	-2.4809	0.014073	0.273073
	0.311723	2.484215	0.013947	0.272237
PALD1;COL13A1;SGPL1;ADAMTS14	-0.36086	-2.48516	0.013912	0.272089

UNC93B1;FAM86C2P;ALDH3B1;ENSG00000254610;AIP;GSTP1; ENSG00000255306;PITPNM1;ALDH3B2;TBC1D10C;ALG1L8P;C DK2AP2;ENSG00000251637;CARNS1	-0.32154	-2.48476	0.013927	0.272091
	-0.32521	-2.486	0.01388	0.271981
	0.391149	2.48566	0.013893	0.272032
SHC2;PPAP2C;MISP;ARID3A;FSTL3	0.343105	2.485369	0.013904	0.272032
	0.2857	2.483782	0.013964	0.272399
	-0.41303	-2.48506	0.013915	0.272091
RHOV;SPINT1	-0.30116	-2.48491	0.013921	0.272091
	-0.38509	-2.48385	0.013961	0.272372
	0.181099	2.484204	0.013948	0.272237
ZNF815P	-0.33111	-2.48369	0.013967	0.272419
	0.345688	2.484773	0.013926	0.272091
	0.273154	2.478207	0.014176	0.27382
	0.271788	2.487797	0.013813	0.271638
	-0.29853	-2.48774	0.013815	0.271638
	0.197102	2.481549	0.014049	0.272872
	-0.16376	-2.48289	0.013998	0.272568
	-0.16204	-2.48358	0.013972	0.272453
	0.184214	2.484851	0.013923	0.272091
	0.254583	2.485914	0.013883	0.271981
GPR133	-0.26258	-2.48515	0.013912	0.272089
	-0.36548	-2.48691	0.013846	0.271901
	-0.26744	-2.48593	0.013883	0.271981
	0.272001	2.48039	0.014093	0.273169
	0.126831	2.480868	0.014074	0.273073
SDF2;TWF1P1;ENSG00000266987	-0.24173	-2.48415	0.01395	0.272265
PARP15	0.238051	2.484486	0.013937	0.272152
VCAM1	-0.30543	-2.48476	0.013927	0.272091
	0.280593	2.479776	0.014116	0.273446
	0.38891	2.483225	0.013985	0.272509
	0.161953	2.483165	0.013987	0.272519
	-0.24188	-2.48272	0.014004	0.272617
	0.197279	2.48257	0.01401	0.272684
EMR2;CACNA1A;IL27RA;DNAJB1	0.340181	2.484714	0.013929	0.272091
	0.214748	2.484754	0.013927	0.272091
	0.255106	2.483876	0.01396	0.272367
	-0.18178	-2.48476	0.013927	0.272091
GLT8D2	-0.35242	-2.48539	0.013903	0.272032
	0.240199	2.483023	0.013993	0.272554
	0.136907	2.481942	0.014034	0.272798
	0.222237	2.480775	0.014078	0.273105
ENSG00000227954	-0.2975	-2.48274	0.014003	0.272617
ENSG00000270402	-0.13938	-2.48538	0.013904	0.272032
DKK3;MICALCL	0.252373	2.482094	0.014028	0.272798
CXCR4;THSD7B	0.254463	2.483484	0.013975	0.272453
	0.234623	2.481114	0.014065	0.27299

	-0.22338	-2.48547	0.0139	0.272032
LOH12CR1	-0.34446	-2.483	0.013993	0.272554
SLC2A10;ZMYND8;SLC13A3	-0.31673	-2.48352	0.013974	0.272453
	0.220195	2.480403	0.014092	0.273169
ATP1A2	0.34849	2.484662	0.013931	0.272091
	-0.21507	-2.48015	0.014102	0.27328
	0.164148	2.483551	0.013973	0.272453
	0.216066	2.480232	0.014099	0.273258
	0.309436	2.479639	0.014121	0.273471
	0.223645	2.48564	0.013894	0.272032
	0.259781	2.4843	0.013944	0.272216
	0.195902	2.48216	0.014025	0.272798
PKNOX2	0.263687	2.483007	0.013993	0.272554
	0.280352	2.480491	0.014089	0.273165
	0.253618	2.475152	0.014294	0.274546
	0.298761	2.483586	0.013971	0.272453
AFAP1L2	-0.31352	-2.4845	0.013937	0.272152
INPP5A;LRRC27;ECHS1	0.346319	2.482509	0.014012	0.272717
	0.215353	2.484935	0.01392	0.272091
CCDC126	-0.39914	-2.48349	0.013975	0.272453
	-0.22189	-2.48296	0.013995	0.272554
	-0.38004	-2.48352	0.013974	0.272453
	-0.33854	-2.48477	0.013926	0.272091
NRROS	0.386219	2.486185	0.013873	0.271981
TAP1;TAP2;HLA-DMB;HLA-DOA;HLA-DMA;TAPSAR1;PSMB9;HLA-DPB1;HLA-DRA;HLA-DPA1;C2;RING1	0.395017	2.484657	0.013931	0.272091
	0.238812	2.483439	0.013977	0.272453
	-0.27674	-2.48319	0.013986	0.272513
	0.257948	2.481871	0.014036	0.27281
	-0.17205	-2.48274	0.014003	0.272617
	-0.24357	-2.4837	0.013967	0.272419
	-0.18692	-2.48394	0.013958	0.272329
	0.331046	2.484669	0.01393	0.272091
	0.199987	2.483224	0.013985	0.272509
	0.208448	2.48295	0.013995	0.272554
HSPB11;TCEANC2;PODN;LDLRAD1;SLC1A7;TMEM59	0.287099	2.479649	0.014121	0.273471
	-0.26065	-2.48223	0.014022	0.272798
KIF11;PLCE1	-0.2753	-2.4831	0.01399	0.272529
WDR5B	-0.1829	-2.48218	0.014025	0.272798
SCN5A;MYRIP;RPSA;XYLB	-0.29594	-2.48157	0.014048	0.272872
	0.281591	2.483101	0.01399	0.272529
	-0.19365	-2.48395	0.013957	0.272329
CLIP1	-0.34842	-2.48118	0.014063	0.272988
	-0.47711	-2.48324	0.013984	0.272509
	0.23186	2.481863	0.014037	0.27281
PXDNL;RB1CC1	-0.33085	-2.47851	0.014164	0.273725

IFFO1;VWF;ANO2;C1R;CLSTN3;SCNN1A;C1S;RBP5;C1RL-AS1;CD9;CD27;LEPREL2;ENSG00000257084;C1RL;CD163L1;ENSG00000256967	-0.37062	-2.48295	0.013995	0.272554
	-0.1839	-2.4827	0.014005	0.272617
TTC26	-0.23324	-2.48165	0.014045	0.272872
	-0.38514	-2.48174	0.014041	0.272858
	0.197733	2.484563	0.013934	0.272146
PARVA	0.288131	2.47705	0.014221	0.273991
	0.310701	2.481238	0.01406	0.272984
	0.408594	2.476984	0.014223	0.273997
CSF1;CLCC1	-0.37253	-2.48068	0.014082	0.27315
	-0.3655	-2.48061	0.014084	0.273153
	-0.32841	-2.48263	0.014007	0.272653
	-0.18311	-2.47511	0.014295	0.274556
MANSC1;ETV6;PRB2	-0.35382	-2.47609	0.014258	0.274285
	0.252695	2.4809	0.014073	0.273073
CD2;CD58;VTCN1;CD101;CASQ2	-0.29294	-2.48107	0.014067	0.273006
	-0.22666	-2.48201	0.014031	0.272798
	0.213085	2.483629	0.01397	0.27245
SNHG10	0.275161	2.47956	0.014124	0.273482
	0.222548	2.484079	0.013953	0.272292
ASTN2	0.242945	2.478601	0.014161	0.273711
	0.371355	2.484356	0.013942	0.272212
SNORA73B	-0.25098	-2.48207	0.014029	0.272798
TIGIT	0.376171	2.482366	0.014018	0.272786
	-0.27718	-2.48383	0.013962	0.272375
	0.294159	2.478836	0.014152	0.273609
RAC2	0.178773	2.481168	0.014063	0.272988
RCAN3;RUNX3;PDIK1L;UBXN11;HMGN2	-0.26088	-2.47794	0.014186	0.273841
	-0.26349	-2.48106	0.014067	0.273006
	-0.27611	-2.47976	0.014117	0.273449
	-0.24985	-2.4788	0.014153	0.273621
	0.390121	2.481977	0.014032	0.272798
	0.208859	2.481115	0.014065	0.27299
	0.21046	2.479225	0.014137	0.27356
AFAP1	-0.23088	-2.48055	0.014087	0.273153
	-0.45144	-2.48329	0.013982	0.272509
	0.327325	2.481942	0.014034	0.272798
HOXD3;HOXD-AS1	-0.30382	-2.48088	0.014074	0.273073
	0.244073	2.48173	0.014042	0.272858
ENSG00000172974	-0.43916	-2.47687	0.014227	0.274023
INPP4A;ZAP70;TMEM131;CNNM4	-0.29091	-2.48242	0.014016	0.272773
	-0.24479	-2.48091	0.014073	0.273073
CNNM2;NPM3	-0.19387	-2.47808	0.014181	0.27382
NR2F6;B3GNT3;USHBP1;PLVAP;MYO9B;GDF15;LSM4;JAK3;SIN3B;ENSG00000269044	-0.37278	-2.48155	0.014048	0.272872
FLI1;ARHGAP32;ETS1;TMEM45B;TP53AIP1;SENCR	-0.28411	-2.48211	0.014027	0.272798

	0.192011	2.47904	0.014144	0.273599
	0.329848	2.475759	0.01427	0.274367
	0.252065	2.481347	0.014056	0.27293
	0.23974	2.4798	0.014115	0.273441
ENSG00000257009;ENSG00000256079;IFLTD1;ENSG00000255				
864	0.618116	2.483215	0.013985	0.272509
	-0.29335	-2.48279	0.014001	0.272607
	-0.21199	-2.48297	0.013995	0.272554
	-0.14251	-2.48114	0.014064	0.27299
PFKFB2	-0.39081	-2.47932	0.014133	0.273525
WDR43	-0.40163	-2.48043	0.014091	0.273169
SLFN5;RFFL;UNC45B	0.202257	2.481389	0.014055	0.272918
	0.214841	2.477531	0.014202	0.273956
	0.214681	2.479869	0.014113	0.273427
IGSF11	0.375101	2.480462	0.01409	0.273169
C3orf52;PVRL3;ENSG00000261488	-0.4474	-2.47746	0.014205	0.273964
	0.341997	2.482187	0.014024	0.272798
	0.325193	2.481928	0.014034	0.272798
	0.302152	2.476148	0.014255	0.274252
	-0.22453	-2.48229	0.01402	0.272798
	-0.21969	-2.48065	0.014083	0.27315
	-0.26155	-2.47899	0.014146	0.273599
STMN3;ZBTB46;SOX18;GATA5;C20orf166-AS1	-0.2285	-2.47938	0.014131	0.273504
TAPBP;TAP1;HLA-DOA;HLA-DRA	-0.22388	-2.48139	0.014055	0.272918
	-0.33773	-2.4816	0.014047	0.272872
	0.183244	2.480152	0.014102	0.27328
	0.12274	2.47853	0.014164	0.273724
	0.345411	2.473839	0.014344	0.274843
ENSG00000225140	0.232063	2.479181	0.014139	0.273576
	0.315019	2.478867	0.014151	0.273609
	0.2841	2.477087	0.014219	0.273991
	0.235464	2.477896	0.014188	0.273846
CSRP3	-0.16049	-2.48216	0.014025	0.272798
	0.335896	2.481565	0.014048	0.272872
	0.255586	2.482093	0.014028	0.272798
	0.253991	2.479002	0.014146	0.273599
CERK	-0.38402	-2.48068	0.014082	0.27315
	0.297818	2.478051	0.014182	0.273831
GPR114;MT1M	-0.35157	-2.48212	0.014027	0.272798
	0.261655	2.481933	0.014034	0.272798
SCNN1A;IFFO1;VWF;C1R;C1S;PLEKHG6;LEPREL2;ENSG0000027				
1969;SPSB2	-0.31078	-2.48079	0.014077	0.273105
CD7;SECTM1	0.169797	2.480801	0.014077	0.273105
	-0.61929	-2.48164	0.014045	0.272872
	0.39712	2.480007	0.014107	0.273375
	0.25854	2.480572	0.014086	0.273153
	-0.2735	-2.47875	0.014155	0.273647

	-0.17505	-2.47964	0.014121	0.273471
	0.262311	2.480591	0.014085	0.273153
	0.223817	2.479954	0.014109	0.273401
RASSF1	0.24694	2.480881	0.014074	0.273073
PLN;SLC35F1;MCM9;FAM184A	-0.39492	-2.47887	0.014151	0.273609
	-0.25216	-2.48121	0.014062	0.272984
	0.428848	2.482381	0.014017	0.272786
	0.170843	2.478215	0.014176	0.27382
IGF2;TSPAN4	-0.31784	-2.48054	0.014087	0.273153
	-0.30302	-2.48342	0.013977	0.272453
	-0.13032	-2.47826	0.014174	0.27382
FENDRR;FOXF1;FOXL1	0.401455	2.479405	0.01413	0.273498
LAMC2;LAMC1;COLGALT2;NCF2;RGS16;RNASEL;APOBEC4	-0.33797	-2.48148	0.014051	0.27291
NEK11	-0.35144	-2.48065	0.014083	0.27315
	0.302973	2.478457	0.014166	0.273741
KLHDC8B;PFKFB4;PLXNB1;KIF9-AS1;LAMB2;ENSG00000270441;FBXW12	0.209733	2.472425	0.014399	0.275206
	0.281362	2.479318	0.014134	0.273525
ZNF101	0.567982	2.479423	0.01413	0.273497
CEP290;POC1B	-0.3728	-2.4776	0.014199	0.273932
	-0.56035	-2.47459	0.014315	0.274719
EML6	-0.25799	-2.4798	0.014115	0.273441
ASPA;ENSG00000263050;TRPV3;HIC1;C17orf85;ENSG00000262758	-0.34496	-2.48143	0.014053	0.272917
TIMP2;C1QTNF1;CBX8	-0.76704	-2.47898	0.014147	0.273599
	0.490002	2.479112	0.014141	0.273595
	0.229331	2.478082	0.014181	0.27382
	0.304312	2.479733	0.014118	0.273454
PODNL1	0.234358	2.482071	0.014029	0.272798
	-0.14281	-2.47884	0.014152	0.273609
	0.214121	2.479452	0.014128	0.273497
ADCY7	-0.17004	-2.48191	0.014035	0.272801
ENSG00000073169;TUBGCP6;ARSA;SHANK3;PPP6R2;TRABD	0.232831	2.481841	0.014037	0.272813
	0.294572	2.477984	0.014185	0.273841
SLC11A2;DAZAP2;METTL7A	-0.38907	-2.4796	0.014123	0.273473
STK10	0.305154	2.480419	0.014092	0.273169
	0.2504	2.477032	0.014221	0.273992
	0.196809	2.480269	0.014097	0.273243
	-0.2984	-2.47739	0.014208	0.273981
CCDC3	0.265999	2.474829	0.014306	0.274651
ENSG00000248932	-0.35259	-2.47717	0.014216	0.273991
	0.144212	2.477767	0.014193	0.273879
KLHDC7A;NBL1	0.256811	2.476911	0.014226	0.274022
	0.188889	2.47906	0.014143	0.273599
CEP290	-0.37161	-2.47775	0.014194	0.273879

ATG9B	0.256065	2.478488	0.014165	0.273731
SLC16A9;PHYHIPL	0.363046	2.473361	0.014363	0.274962
	0.245903	2.477095	0.014219	0.273991
TLR2	-0.40488	-2.4787	0.014157	0.273674
	-0.39	-2.47772	0.014195	0.273879
	0.236775	2.475955	0.014263	0.27435
TSPAN32;MRPL23;C11orf21;LSP1;TSPAN4	-0.21573	-2.47626	0.014251	0.274224
	0.196389	2.47989	0.014112	0.273424
	0.261122	2.478143	0.014179	0.27382
	0.148224	2.480385	0.014093	0.273169
	0.197896	2.479425	0.014129	0.273497
	0.235917	2.478022	0.014183	0.273832
	-0.20064	-2.47288	0.014382	0.275048
	0.303514	2.478097	0.01418	0.27382
	0.285641	2.478126	0.014179	0.27382
	0.229999	2.477052	0.01422	0.273991
C6orf132;TRERF1;ENSG00000261068;GLTSCR1L	-0.3255	-2.47436	0.014324	0.274791
	-0.22791	-2.47406	0.014336	0.274843
	0.190325	2.479625	0.014122	0.273471
	0.364917	2.479106	0.014142	0.273595
	0.173688	2.479849	0.014113	0.273429
ENSG00000205890;CLUAP1	0.202121	2.476243	0.014252	0.274224
	0.146434	2.477453	0.014205	0.273964
ENSG00000266100;DYNLL2;MSI2	0.438772	2.476466	0.014243	0.274183
	0.287886	2.47772	0.014195	0.273879
	0.350767	2.478949	0.014148	0.273599
	0.170719	2.478996	0.014146	0.273599
	-0.16148	-2.47789	0.014188	0.273846
	-0.20495	-2.4784	0.014169	0.273767
	0.494485	2.479085	0.014142	0.273598
	-0.2602	-2.47721	0.014214	0.273991
TM9SF2;STK24	0.354676	2.473904	0.014342	0.274843
	0.164357	2.475271	0.014289	0.274546
PROM1;CD38;CC2D2A;FBXL5;LDB2;BST1;FGFBP2	-0.29389	-2.47942	0.01413	0.273497
	0.197857	2.473581	0.014354	0.274898
	0.18181	2.478257	0.014174	0.27382
TBX3;TBX5;TBX5-AS1	-0.27767	-2.46765	0.014586	0.276214
CORIN;TEC	-0.3661	-2.47778	0.014193	0.273879
	-0.19522	-2.47375	0.014348	0.274843
	-0.23159	-2.47638	0.014246	0.274224
	0.201377	2.47578	0.014269	0.274367
	-0.17849	-2.47951	0.014126	0.273493
	0.266596	2.477182	0.014215	0.273991
GNA12;IQCE;PSMG3	-0.20292	-2.47309	0.014373	0.275005
	0.250686	2.479656	0.014121	0.273471
	-0.26098	-2.47673	0.014233	0.274058
	-0.34913	-2.47691	0.014226	0.274022

ANKFN1;MSI2;MRPS23;DGKE	-0.41659	-2.47779	0.014192	0.273879
	0.120106	2.476477	0.014243	0.274183
C6orf211	-0.44425	-2.47834	0.014171	0.273794
	0.246581	2.477125	0.014218	0.273991
	0.253772	2.478642	0.014159	0.273703
NUP210;CHCHD4;C3orf83	0.287221	2.47952	0.014126	0.273493
	-0.30803	-2.47991	0.014111	0.273419
	0.235949	2.474178	0.014331	0.274843
TRAF1;PHF19;CNTRL;GGTA1P;ENSG00000214654	0.32809	2.477086	0.014219	0.273991
	0.255694	2.478388	0.014169	0.273767
CALHM2;NT5C2;SH3PXD2A	0.194743	2.472989	0.014377	0.275035
	0.243098	2.468158	0.014566	0.276196
KMT2D	-0.2223	-2.47895	0.014148	0.273599
	-0.45684	-2.47397	0.014339	0.274843
ENSG00000113811	0.234629	2.47914	0.01414	0.273595
	0.188436	2.476889	0.014227	0.274023
	0.232816	2.478894	0.01415	0.273609
	0.28285	2.475738	0.014271	0.27437
	-0.30698	-2.4789	0.014149	0.273609
PYHIN1	-0.42887	-2.47858	0.014162	0.273711
	0.158476	2.472358	0.014402	0.275206
	-0.20516	-2.47459	0.014315	0.274719
	-0.39408	-2.47707	0.01422	0.273991
	0.196843	2.477432	0.014206	0.273967
	0.236302	2.475345	0.014286	0.274544
	-0.13627	-2.47724	0.014213	0.273991
	0.23521	2.477497	0.014203	0.273959
	-0.15213	-2.47795	0.014186	0.273841
	-0.30468	-2.47443	0.014321	0.274749
	0.370048	2.478224	0.014175	0.27382
BNIPL;THEM4	0.321566	2.477941	0.014186	0.273841
RNF125	0.311108	2.476699	0.014234	0.274066
POLD3;SLCO2B1;SERPINH1;KCNE3	0.255704	2.474802	0.014307	0.274652
ESPN	0.284755	2.4781	0.01418	0.27382
F10;GAS6	-0.30584	-2.47812	0.014179	0.27382
	-0.35969	-2.47628	0.01425	0.274224
RNU1-1;SDHB	0.217306	2.475948	0.014263	0.27435
VILL	-0.22244	-2.47501	0.014299	0.274582
CDC42BPA	-0.33681	-2.47959	0.014123	0.273473
	0.244863	2.477351	0.014209	0.273981
	-0.30279	-2.4728	0.014385	0.275086
	0.242665	2.475183	0.014292	0.274546
	0.215473	2.475486	0.014281	0.274483
RHOH	-0.35209	-2.47926	0.014136	0.273552
FXYD5	-0.21554	-2.47398	0.014339	0.274843
	0.176297	2.468931	0.014536	0.276043
CDHR3;EFCAB10;ENSG00000272604	-0.24271	-2.47542	0.014283	0.27452

	0.224937	2.477881	0.014189	0.273846
	-0.23965	-2.47706	0.01422	0.273991
CERK;FBLN1;WNT7B;RIBC2;ATXN10;ENSG00000234869;CELSR1	-0.26252	-2.47141	0.014439	0.27543
	-0.26021	-2.47922	0.014137	0.27356
	0.158472	2.473437	0.01436	0.274955
	-0.17032	-2.47711	0.014218	0.273991
	0.300427	2.479487	0.014127	0.273497
ISYNA1;B3GNT3;GDF15;SLC25A42	-0.63213	-2.47698	0.014223	0.273997
	-0.23494	-2.47475	0.014309	0.274671
B3GNT7	-0.27834	-2.47622	0.014252	0.274224
	-0.26155	-2.47766	0.014197	0.273899
	-0.68406	-2.47229	0.014405	0.275206
	0.318047	2.473537	0.014356	0.274906
	0.142519	2.470868	0.01446	0.275492
	0.256287	2.474793	0.014307	0.274652
	0.15954	2.470992	0.014455	0.275492
	0.205113	2.478016	0.014183	0.273832
	0.284886	2.477784	0.014192	0.273879
	-0.38687	-2.476	0.014261	0.274335
TPPP;NKD2;PDCD6;LPCAT1;TRIP13;ZDHHC11B;AHRR;ENSG00000188002;ZDHHC11	0.344168	2.472079	0.014413	0.275222
	-0.18661	-2.47413	0.014333	0.274843
ALDH1L1	-0.22449	-2.47715	0.014217	0.273991
	0.251992	2.476278	0.01425	0.274224
SNHG16	-0.19885	-2.47225	0.014406	0.275206
	-0.24421	-2.47622	0.014252	0.274224
CLN8	-0.27009	-2.47389	0.014342	0.274843
ACAP1;CLEC10A;KCTD11;CTC1	-0.2459	-2.47812	0.01418	0.27382
	0.210303	2.475532	0.014279	0.274473
	-0.26142	-2.47533	0.014287	0.274544
ZKSCAN1;EPHB4;ZNF3;GAL3ST4;KPNA7;BUD31;STAG3;ZCWPW1;ACHE;ENSG00000239521;PCOLCE;TRIP6;AP4M1;CPSF4;MYH16;MCM7;ATP5J2	-0.41998	-2.47561	0.014276	0.274441
	0.271148	2.477363	0.014208	0.273981
	-0.26137	-2.47683	0.014229	0.274043
CYFIP2	0.131853	2.476789	0.014231	0.274058
	-0.45118	-2.47859	0.014162	0.273711
	-0.20274	-2.47235	0.014402	0.275206
	0.197475	2.474827	0.014306	0.274651
	0.257431	2.47364	0.014352	0.274866
	0.23824	2.470965	0.014456	0.275492
	0.354013	2.477694	0.014196	0.273885
	0.183479	2.47244	0.014399	0.275206
	0.244499	2.476747	0.014232	0.274058
	0.194709	2.473713	0.014349	0.274849
LFNG	0.31266	2.47631	0.014249	0.274224

BAIAP2;PCYT2;SLC25A10	-0.29721	-2.47504	0.014298	0.274582
	-0.3022	-2.47855	0.014163	0.273719
	-0.26975	-2.4712	0.014447	0.275491
	0.127637	2.472528	0.014395	0.275176
	-0.38911	-2.47757	0.0142	0.273936
	0.173095	2.476765	0.014231	0.274058
	0.31772	2.473241	0.014368	0.274962
	0.383483	2.476727	0.014233	0.274058
	0.256818	2.475856	0.014266	0.274367
	-0.26805	-2.47588	0.014266	0.274367
	0.290377	2.476975	0.014223	0.273997
	0.224262	2.477494	0.014203	0.273959
TTLL4	0.229895	2.477337	0.014209	0.273981
	0.121809	2.476201	0.014253	0.274224
	0.309883	2.475584	0.014277	0.274447
	0.359245	2.476553	0.01424	0.274149
ZNF101	0.375453	2.475216	0.014291	0.274546
	0.160132	2.471103	0.014451	0.275491
	0.300318	2.471025	0.014454	0.275491
THSD1	0.242893	2.469512	0.014513	0.275902
FAM83C;TRPC4AP	0.276725	2.472131	0.014411	0.275211
	0.246369	2.474987	0.0143	0.274582
	0.331012	2.476597	0.014238	0.274129
	0.213455	2.475161	0.014293	0.274546
	0.308415	2.474949	0.014301	0.274597
	0.365143	2.477061	0.01422	0.273991
RFX2	0.251141	2.477331	0.01421	0.273981
	0.484125	2.475786	0.014269	0.274367
	0.262502	2.473851	0.014344	0.274843
TET3	-0.22208	-2.47593	0.014264	0.274355
MSI2;DGKE;EPX;MKS1;VEZF1;COIL	-0.36734	-2.47267	0.01439	0.275127
HSD17B8;ZBTB22	-0.53788	-2.47221	0.014407	0.275211
	-0.16882	-2.47407	0.014335	0.274843
ESPN	-0.23301	-2.47228	0.014405	0.275206
SRGAP3-AS2;ENSG00000206567;LMCD1;IRAK2	-0.27537	-2.47564	0.014275	0.274432
MFSD6;GLS	-0.33397	-2.47219	0.014408	0.275211
	0.27789	2.470982	0.014455	0.275492
ENSG00000261659;ENSG00000196674;METRN	-0.47803	-2.4772	0.014215	0.273991
	-0.29206	-2.47453	0.014318	0.274725
HLA-H	0.229737	2.473941	0.01434	0.274843
LINC00639;CLEC14A	0.32353	2.476457	0.014243	0.274183
RLTPR;GFOD2;CMTM4;SLC12A4;CMTM3;SMPD3	-0.27367	-2.47384	0.014344	0.274843
	-0.14666	-2.47082	0.014462	0.275492
	-0.21366	-2.4763	0.014249	0.274224
	0.23081	2.472884	0.014381	0.275048
	0.264704	2.473839	0.014344	0.274843
	0.286617	2.472337	0.014403	0.275206

	0.249972	2.474148	0.014332	0.274843
	-0.34024	-2.47449	0.014319	0.274744
	0.147793	2.47174	0.014426	0.275317
	0.246557	2.473669	0.014351	0.274857
FLCN	-0.19415	-2.47519	0.014292	0.274546
	-0.2909	-2.47539	0.014284	0.274528
TSPAN1;TAL1;ZSWIM5	0.213767	2.474989	0.0143	0.274582
	0.300771	2.474429	0.014322	0.274749
	0.199573	2.473542	0.014356	0.274906
TOMM40;SNRPD2	-0.22509	-2.47184	0.014422	0.275296
ZNF683	-0.26233	-2.47523	0.014291	0.274546
	-0.38265	-2.47321	0.014369	0.274963
CLIP1;ENSG00000256304	-0.35097	-2.47377	0.014347	0.274843
TTC12;ZW10;TMPRSS5	-0.42708	-2.47125	0.014445	0.275491
	0.228438	2.472886	0.014381	0.275048
	-0.19417	-2.47368	0.014351	0.274857
CCT7;MOB1A	-0.19368	-2.47298	0.014378	0.275035
SLC35F5;IL1B	0.270194	2.472328	0.014403	0.275206
	-0.38013	-2.47409	0.014335	0.274843
	-0.22835	-2.47621	0.014253	0.274224
GJC1;MEOX1;TMEM106A;EFTUD2;ACBD4;GPATCH8	-0.28869	-2.47053	0.014473	0.275598
SUN1	-0.2953	-2.47377	0.014347	0.274843
STX16	0.145833	2.468445	0.014555	0.276196
DCHS1;ARFIP2;OLFML1;PRKCDBP;ILK	0.239125	2.468206	0.014564	0.276196
CASZ1;ENSG00000271264	-0.36521	-2.47424	0.014329	0.274843
PTPRJ	-0.34777	-2.47503	0.014298	0.274582
	-0.29573	-2.47511	0.014295	0.274556
	-0.27924	-2.47388	0.014343	0.274843
	0.251414	2.471825	0.014423	0.275296
	-0.3439	-2.47623	0.014252	0.274224
	0.13278	2.475193	0.014292	0.274546
	0.194625	2.473716	0.014349	0.274849
	0.225874	2.473957	0.01434	0.274843
ATG5	0.36515	2.473378	0.014362	0.274962
	0.238225	2.473145	0.014371	0.275
	0.342583	2.475836	0.014267	0.274367
TP73-AS1	-0.1982	-2.47579	0.014269	0.274367
CD80	-0.30611	-2.47577	0.01427	0.274367
	-0.16989	-2.47305	0.014375	0.275022
C11orf63;ATP5F1P5;ENSG00000255248	-0.20736	-2.46977	0.014503	0.27581
C10orf115;C10orf67;OTUD1;ENKUR;THNSL1	-0.24699	-2.47237	0.014401	0.275206
	0.318612	2.468716	0.014544	0.276109
	-0.16552	-2.47109	0.014451	0.275491
	0.240754	2.471521	0.014434	0.275381
ENSG00000272181	-0.15205	-2.47167	0.014428	0.275322
	0.272803	2.474606	0.014315	0.274719
	0.225408	2.469128	0.014528	0.276006

	-0.25521	-2.4722	0.014408	0.275211
	0.270713	2.471216	0.014446	0.275491
	0.216492	2.47323	0.014368	0.274962
	0.275176	2.472598	0.014392	0.275169
DCTN5	0.366056	2.472025	0.014415	0.275234
	0.31366	2.473786	0.014346	0.274843
	0.20494	2.475514	0.01428	0.274475
FER1L6	0.33048	2.47577	0.01427	0.274367
	0.230896	2.469882	0.014498	0.275807
	-0.21306	-2.46873	0.014543	0.276109
	-0.24965	-2.47112	0.01445	0.275491
STK10	0.236179	2.474545	0.014317	0.274725
PKIG;TOMM34;RIMS4	-0.36255	-2.47425	0.014328	0.274843
NAP1L4;IGF2;TSPAN32;C11orf21;TSSC2;OSBPL5;BRSK2	-0.34599	-2.47532	0.014287	0.274544
	0.303868	2.473344	0.014364	0.274962
TGFB1I1;STX4;C16orf93;PHKG2;ZNF688;SETD1A;DOC2A;HSD3B7;CTF1;TMEM219;ARMC5;GDPD3;FBXL19	-0.31614	-2.46947	0.014515	0.275902
KIF21B;C1orf106	-0.16142	-2.4694	0.014517	0.275902
COL5A1;OLFM1;C9orf116	0.257048	2.465821	0.014658	0.276547
	0.130641	2.472066	0.014413	0.275222
	-0.3949	-2.47122	0.014446	0.275491
	-0.17469	-2.46935	0.014519	0.275912
YRDC	-0.23605	-2.47296	0.014378	0.275035
	0.248266	2.471487	0.014436	0.275394
	0.233459	2.475167	0.014293	0.274546
	0.144571	2.474667	0.014312	0.274714
	0.218793	2.472262	0.014406	0.275206
SLC12A4;ATP6V0D1;FAM65A;LCAT;CDH1;RLTPR;PLEKHG4;TANGO6	-0.31758	-2.47326	0.014367	0.274962
	-0.27086	-2.472	0.014416	0.275234
LRRC27;TTC40;KNDC1;TUBGCP2	-0.59241	-2.46982	0.014501	0.275807
FADS3;MS4A8;TMEM216;RAB3IL1;DAK;TMEM138	-0.36286	-2.47115	0.014449	0.275491
	-0.24017	-2.4717	0.014427	0.275322
	0.297083	2.468998	0.014533	0.276032
PLEKHA1;DMBT1;TACC2	-0.37572	-2.4741	0.014334	0.274843
CAV1	-0.31182	-2.47167	0.014429	0.275322
RAB10;EPT1;HADHB	-0.22497	-2.47444	0.014321	0.274749
	0.284133	2.470809	0.014462	0.275492
	0.229171	2.474658	0.014313	0.274714
	-0.15817	-2.46844	0.014555	0.276196
	-0.40998	-2.46177	0.014819	0.277482
	0.269821	2.474558	0.014317	0.274725
	0.289351	2.474585	0.014315	0.274719
	0.249853	2.473461	0.014359	0.274949
	-0.27015	-2.47493	0.014302	0.274598
SMG5	-0.22037	-2.4739	0.014342	0.274843
	-0.22367	-2.47386	0.014343	0.274843

	-0.27686	-2.47174	0.014426	0.275317
	0.219198	2.473103	0.014373	0.275005
ENSG00000264198;IKZF3;GSDMB	-0.18948	-2.47519	0.014292	0.274546
	-0.25833	-2.46942	0.014517	0.275902
	0.246472	2.471686	0.014428	0.275322
	0.154696	2.469444	0.014515	0.275902
TMEM131;SEMA4C;ARID5A;ITPRIPL1;FAM178B;KANSL3;LINC0				
1125;CNNM4	-0.23128	-2.46948	0.014514	0.275902
	-0.1772	-2.47214	0.01441	0.275211
ADAMTS9-AS2	-0.37833	-2.47326	0.014367	0.274962
WDR45B;TBCD;PYCR1	-0.22553	-2.47158	0.014432	0.275362
	0.3228	2.472526	0.014395	0.275176
	-0.22723	-2.46709	0.014608	0.276329
	0.121756	2.469407	0.014517	0.275902
	0.271751	2.471137	0.014449	0.275491
	0.30462	2.467167	0.014605	0.276329
PPAP2C;MISP;ARID3A;FSTL3;SHC2;TCF3;GRIN3B;PALM;GPX4	-0.33621	-2.46983	0.0145	0.275807
	-0.37299	-2.47382	0.014345	0.274843
	-0.24297	-2.47311	0.014372	0.275005
	0.252458	2.469497	0.014513	0.275902
	0.329017	2.47323	0.014368	0.274962
TGFBRAP1;FHL2	-0.43528	-2.47141	0.014439	0.27543
KALRN;MUC13	0.219984	2.468298	0.01456	0.276196
	0.204662	2.471818	0.014423	0.275296
CCR1	0.326077	2.472993	0.014377	0.275035
	-0.35268	-2.47095	0.014457	0.275492
ENSG00000235997;EHD3	0.337566	2.469792	0.014502	0.275807
	-0.3705	-2.47257	0.014394	0.275169
	0.107954	2.465365	0.014676	0.276643
RHPN1-AS1;ENSG00000254973;MAPK15;ZNF623;FAM83H-				
AS1;RHPN1	-0.2799	-2.47232	0.014403	0.275206
	-0.34205	-2.47104	0.014453	0.275491
	-0.18401	-2.47227	0.014405	0.275206
	0.230088	2.470816	0.014462	0.275492
	0.158238	2.472099	0.014412	0.275222
	-0.26719	-2.46981	0.014501	0.275807
RBMS2	-0.2298	-2.47375	0.014348	0.274843
	0.38037	2.469124	0.014528	0.276006
	-0.266	-2.47246	0.014398	0.275206
	0.188764	2.467554	0.01459	0.276227
	-0.27543	-2.46202	0.014809	0.27745
	0.283908	2.466588	0.014628	0.276349
	-0.24859	-2.47379	0.014346	0.274843
	-0.32038	-2.47056	0.014472	0.275589
	-0.20275	-2.47061	0.01447	0.275589

SEC14L3;DUSP18	-0.2624	-2.47018	0.014487	0.275693
COPG1;ATP2C1	0.229249	2.472677	0.014389	0.275127
	0.263588	2.473312	0.014365	0.274962
SYNRG;CCL5	-0.39672	-2.46982	0.014501	0.275807
LETM1	0.21339	2.472935	0.014379	0.275044
	0.293936	2.47257	0.014394	0.275169
	-0.19985	-2.4727	0.014389	0.275127
	0.173716	2.470837	0.014461	0.275492
	-0.37906	-2.47416	0.014332	0.274843
	-0.40753	-2.47416	0.014332	0.274843
	0.252445	2.47084	0.014461	0.275492
	-0.34178	-2.47131	0.014443	0.27549
KIAA1841;BCL11A	-0.30335	-2.46451	0.01471	0.276748
	0.286174	2.469367	0.014518	0.275912
	0.188427	2.468811	0.01454	0.276071
DOC2B	0.27421	2.471943	0.014418	0.275252
COL5A1;OLFM1;LINC00094;C9orf116;SARDH;PPP1R26-AS1;PPP1R26	0.422353	2.473396	0.014362	0.274962
	0.317256	2.471919	0.014419	0.275257
PSMD5-AS1;PSMD5	-0.7057	-2.47323	0.014368	0.274962
	0.235853	2.470699	0.014466	0.275549
	-0.23409	-2.46744	0.014594	0.276259
	-0.20965	-2.46897	0.014534	0.276035
	-0.20622	-2.46548	0.014671	0.276629
	-0.17085	-2.46787	0.014577	0.276196
	-0.29134	-2.47327	0.014366	0.274962
PABPC4	-0.21507	-2.46512	0.014686	0.276643
	-0.44182	-2.47041	0.014478	0.275669
	-0.22004	-2.4711	0.014451	0.275491
ARHGAP28	-0.26852	-2.47032	0.014481	0.275682
SPEG;WNT6;STK16;INHA;DES	-0.34353	-2.47115	0.014449	0.275491
IFFO2	0.321957	2.47285	0.014383	0.275058
RLTPR;RANBP10	-0.21763	-2.47215	0.01441	0.275211
KCTD11;ELP5;CLDN7;ACAP1;MPDU1	-0.26617	-2.47389	0.014342	0.274843
ZHX2;FER1L6;TBC1D31;FAM83A;FBXO32;TRMT12	-0.42086	-2.46708	0.014608	0.276329
	-0.20124	-2.47033	0.014481	0.275682
	-0.18788	-2.47161	0.014431	0.275355
	0.196223	2.470421	0.014477	0.275669
	-0.33487	-2.46712	0.014607	0.276329
	0.283349	2.472164	0.014409	0.275211
SNX29	-0.29781	-2.46783	0.014579	0.276214
	0.242287	2.472763	0.014386	0.275098
	0.255529	2.470067	0.014491	0.27575
	0.235869	2.471034	0.014453	0.275491
	-0.20022	-2.46832	0.01456	0.276196
	-0.23467	-2.47058	0.014471	0.275589
	-0.25752	-2.47117	0.014448	0.275491

ENSG00000254423	-0.18705	-2.46552	0.01467	0.276629
CHMP5;ANXA2P2;DNAJA1	0.230851	2.463555	0.014748	0.277011
	-0.15138	-2.46593	0.014654	0.276516
	0.247937	2.470169	0.014487	0.275693
	-0.15053	-2.46793	0.014575	0.276196
SDK2	0.210197	2.46871	0.014544	0.276109
	-0.25332	-2.47061	0.01447	0.275589
	-0.1468	-2.46721	0.014603	0.276329
	0.246691	2.468293	0.014561	0.276196
RPS3AP25	-0.32819	-2.46884	0.014539	0.276063
	0.213191	2.46974	0.014504	0.275817
	-0.15808	-2.4677	0.014584	0.276214
	-0.16854	-2.47156	0.014433	0.275362
RBMS2;PTGES3;MMP19;SMARCC2;GDF11;ERBB3;ITGA7	-0.33524	-2.46671	0.014623	0.276349
EIF2AK1;FOXK1;CYTH3	-0.38311	-2.46803	0.014571	0.276196
	-0.24234	-2.4702	0.014486	0.275693
SLC35A3	-0.25935	-2.46863	0.014547	0.276147
	-0.30187	-2.46979	0.014502	0.275807
SH3TC1	-0.22633	-2.46559	0.014667	0.276629
	0.251479	2.465349	0.014677	0.276643
CDH5;RLTPR;FAM65A;CMTM4;CES4A;ZDHHC1;SLC12A4;TSNAX				
IP1;GFOD2;ENKD1;RANBP10;TPPP3;CMTM3;ATP6V0D1	-0.33212	-2.46724	0.014602	0.276329
	0.331886	2.470569	0.014472	0.275589
NOTCH4	-0.31723	-2.47079	0.014463	0.275492
CCDC40	-0.29239	-2.46645	0.014633	0.276364
USP43;WDR16	0.258202	2.468191	0.014565	0.276196
	0.149156	2.471965	0.014417	0.275248
	0.273445	2.467308	0.014599	0.276319
	0.322973	2.460502	0.014869	0.277605
	-0.32459	-2.47018	0.014487	0.275693
	0.335638	2.468262	0.014562	0.276196
	0.210436	2.470876	0.014459	0.275492
	-0.25573	-2.469	0.014533	0.276032
SLC37A1;ENSG00000235772	-0.35069	-2.47016	0.014488	0.275693
ENSG00000273203;CECR7	0.473964	2.467556	0.01459	0.276227
ADAM19;ITK;ENSG00000253519	0.397974	2.471774	0.014425	0.275316
	-0.29141	-2.47105	0.014453	0.275491
ENTPD1;ENTPD1-AS1;TCTN3;ENSG00000234026;BLNK	-0.31777	-2.4679	0.014576	0.276196
TSPAN4;IFITM2	-0.32259	-2.4703	0.014482	0.275687
ENSG00000237356	-0.31587	-2.47023	0.014485	0.275693
	0.327938	2.468872	0.014538	0.276057
	0.185858	2.470372	0.014479	0.275682
	-0.24242	-2.46746	0.014593	0.276259
	-0.28264	-2.4665	0.014631	0.276364
PRR26	0.191625	2.46767	0.014585	0.276214
	0.173567	2.466586	0.014628	0.276349

	-0.25888	-2.46765	0.014586	0.276214
ENSG00000225746;MEG8;MEG3;ENSG00000232018;DEGS2	0.290292	2.464389	0.014714	0.276748
	0.254004	2.469833	0.0145	0.275807
ENSG00000272106	-0.26695	-2.47002	0.014493	0.275769
	-0.18334	-2.4686	0.014548	0.27615
	0.262267	2.470884	0.014459	0.275492
MEGF6	0.228962	2.469456	0.014515	0.275902
	0.302613	2.469446	0.014515	0.275902
PKNOX2;ROBO4;ESAM;SPA17;VSIG2;ROBO3;FEZ1;TMEM218;SIAE;ENSG00000250073	0.357307	2.469922	0.014497	0.275807
	0.318708	2.466684	0.014624	0.276349
	0.266505	2.466304	0.014639	0.276407
SPIRE2	-0.95103	-2.47122	0.014446	0.275491
	0.303436	2.469144	0.014527	0.276006
	0.157763	2.467548	0.01459	0.276227
TSPAN18;ALX4;HSD17B12	-0.42476	-2.46915	0.014527	0.276006
	0.292147	2.470217	0.014485	0.275693
	-0.49656	-2.46709	0.014608	0.276329
LPCAT1	0.219346	2.466252	0.014641	0.276421
	-0.34917	-2.46926	0.014523	0.275969
	0.239074	2.469841	0.0145	0.275807
FBXO30	0.267189	2.465754	0.01466	0.27656
SCARB1;TMED2;NCOR2	0.280064	2.47023	0.014485	0.275693
	-0.42221	-2.46792	0.014575	0.276196
RHBDF2;SMIM5;UNC13D;ST6GALNAC2;PRPSAP1	0.228094	2.466855	0.014617	0.276345
	0.286145	2.466805	0.014619	0.276345
ENSG00000264198;IKZF3;ERBB2;PLXDC1	-0.33698	-2.47034	0.01448	0.275682
	0.272656	2.468008	0.014572	0.276196
LCK;SDC3;COL16A1;DCDC2B;MTMR9LP;LAPTM5	-0.26266	-2.46715	0.014605	0.276329
	-0.37353	-2.47201	0.014415	0.275234
	0.261183	2.468885	0.014537	0.276057
	-0.4788	-2.46921	0.014524	0.27599
	0.275529	2.463829	0.014737	0.276921
MEOX1;GJC1;GPATCH8;TMEM106A;EFTUD2;HIGD1B;NBR1;TMEM101;ENSG00000267505	-0.2815	-2.46756	0.014589	0.276227
	0.542036	2.466835	0.014618	0.276345
GTPBP4;PRR26	0.196375	2.469399	0.014517	0.275902
	-0.13728	-2.46779	0.01458	0.276214
SNORD3B-1	0.12471	2.467969	0.014573	0.276196
	-0.13828	-2.46658	0.014628	0.276349
MAP7	0.263656	2.46703	0.01461	0.276343
	0.297529	2.468532	0.014551	0.27618
ERLIN1;CHUK;BLOC1S2;MGEA5;SEC31B;KCNIP2;MRPL43;SCD	0.179736	2.46818	0.014565	0.276196
	0.321989	2.468494	0.014553	0.276196
FADS2;RAB3IL1;LRRN4CL;FADS3;HRASLS2;MYRF	-0.37873	-2.46896	0.014535	0.276035

	0.172414	2.464754	0.0147	0.276748
B3GNT3	0.227356	2.467878	0.014577	0.276196
TBC1D2B	-0.17892	-2.46385	0.014736	0.276917
	-0.25378	-2.46761	0.014587	0.276227
	0.235951	2.468076	0.014569	0.276196
CLIP1;VPS37B;RSRC2;ENSG00000256304	-0.2753	-2.46693	0.014614	0.276345
	-0.48336	-2.4691	0.014529	0.276006
	-0.25484	-2.46911	0.014528	0.276006
CTSW;BATF2;NRXN2;SLC25A45	-0.36013	-2.46963	0.014508	0.275876
ENSG00000225140	0.268241	2.466136	0.014645	0.276459
ATF7IP2;ZC3H7A;SOCS1;SNX29	-0.38495	-2.46121	0.014841	0.277502
	0.141547	2.465245	0.014681	0.276643
	0.351889	2.470892	0.014459	0.275492
SIPA1;CD248;CST6;EFEMP2;CTSF;SLC25A45;CCDC87;RBM14;CCS;TM7SF2;MAP3K11;LTBP3;SPTBN2;NAALADL1;CTSW;RNASEH2C;EHBP1L1	-0.38146	-2.46982	0.014501	0.275807
	-0.19074	-2.46863	0.014548	0.276147
	0.221187	2.468862	0.014538	0.276057
	-0.39975	-2.46639	0.014635	0.276364
	-0.27294	-2.46608	0.014648	0.276467
	0.118697	2.467966	0.014573	0.276196
	0.247355	2.466036	0.014649	0.276474
TRIP13	0.266235	2.468224	0.014563	0.276196
	-0.20482	-2.46469	0.014703	0.276748
	0.300596	2.46804	0.01457	0.276196
MAP3K5	0.306815	2.465893	0.014655	0.276529
	0.314252	2.468994	0.014533	0.276032
ASF1B	0.194796	2.466797	0.014619	0.276345
PTRF;AOC3;RAMP2;MPP2;CNTNAP1;VAT1;MEOX1;RUNDC1;TUBG2;STAT5B;PLEKHH3;RAMP2-AS1	0.208069	2.466306	0.014639	0.276407
HTRA3;AFAP1;ACOX3;CCDC96;ABLIM2	0.238325	2.465803	0.014659	0.276548
	0.207601	2.468545	0.014551	0.27618
	0.318257	2.46787	0.014577	0.276196
IL1RN;TMEM87B;MERTK;CKAP2L;SLC20A1;PSD4	-0.39417	-2.46791	0.014576	0.276196
	-0.20493	-2.46813	0.014567	0.276196
	0.196185	2.466999	0.014611	0.276345
	0.560062	2.469729	0.014504	0.275817
PARVG;NUP50;ENSG00000226328	0.330669	2.466839	0.014618	0.276345
	0.2371	2.468139	0.014567	0.276196
	0.228715	2.465162	0.014684	0.276643
	0.234265	2.468147	0.014566	0.276196
	0.333997	2.466649	0.014625	0.276349
WDR86-AS1;NOS3;ATG9B;WDR86;LINC01003	-0.31869	-2.46847	0.014553	0.276196
	0.222815	2.466777	0.01462	0.276348
	0.255362	2.468404	0.014556	0.276196
	0.228199	2.465872	0.014656	0.276533
	0.220296	2.467322	0.014599	0.276319

PDCD6;NKD2	0.261643	2.46472	0.014701	0.276748
CLDN10	0.281966	2.465843	0.014657	0.276542
	0.322288	2.464634	0.014705	0.276748
	-0.23863	-2.46518	0.014683	0.276643
	-0.33031	-2.46246	0.014791	0.277319
	0.287374	2.467169	0.014605	0.276329
FGD3;SUSD3;OGN;ECM2	-0.27425	-2.46804	0.01457	0.276196
LRRC4;IMPDH1;HILPDA	-0.36737	-2.4609	0.014853	0.277523
PPP1R16A	0.176723	2.464417	0.014713	0.276748
	0.276286	2.466408	0.014635	0.276364
HCP5;GPSM3;HLA-DRA;LTB;LST1;AIF1;HLA-B;HLA-DRB1	-0.18749	-2.46954	0.014512	0.275902
	0.339433	2.466005	0.014651	0.276483
PDCD6;MRPL36;NKD2;SDHA;NDUFS6;TRIP13	0.276085	2.467737	0.014582	0.276214
ZNF773;ZNF134	-0.41739	-2.4672	0.014604	0.276329
	0.276615	2.467253	0.014601	0.276329
	-0.31249	-2.46642	0.014634	0.276364
	-0.5164	-2.46456	0.014708	0.276748
	0.314897	2.464399	0.014714	0.276748
	0.267256	2.466033	0.014649	0.276474
	0.313714	2.469017	0.014532	0.276032
	0.363657	2.464326	0.014717	0.27677
	0.453777	2.468	0.014572	0.276196
	0.219324	2.467974	0.014573	0.276196
	0.202665	2.464745	0.0147	0.276748
	-0.58736	-2.46689	0.014616	0.276345
ASPA;CYB5D2;TRPV3;ENSG00000261863;PLD2;SPNS2	-0.31508	-2.46548	0.014671	0.276629
ZNF333;LYL1;NFIX;NACC1;ASF1B;LPHN1;DNAJB1;GIPC1	-0.62791	-2.46459	0.014707	0.276748
	-0.2778	-2.46519	0.014683	0.276643
CAMTA1;SLC45A1;PER3	-0.34169	-2.46794	0.014575	0.276196
SPRY4;FGF1	-0.35262	-2.46553	0.014669	0.276629
	-0.22502	-2.4677	0.014584	0.276214
	-0.24989	-2.46478	0.014699	0.276748
CERCAM;DNM1;COQ4;WDR34;ODF2;LCN2;SPTAN1;PKN3	0.179957	2.468131	0.014567	0.276196
	-0.18643	-2.46551	0.01467	0.276629
	0.281187	2.464846	0.014696	0.276748
	-0.21092	-2.46414	0.014724	0.276818
	0.111435	2.466909	0.014615	0.276345
	0.228022	2.46715	0.014605	0.276329
TTLL1;MCAT;EFCAB6	0.212289	2.468222	0.014563	0.276196
EBF2	0.284579	2.466455	0.014633	0.276364
	0.270653	2.463217	0.014761	0.277118
	-0.20975	-2.46544	0.014673	0.27664
DIP2C	-0.30122	-2.46569	0.014663	0.276594
	0.269559	2.467372	0.014597	0.276296
	0.196798	2.463895	0.014734	0.276899
	0.273882	2.466587	0.014628	0.276349

	0.188088	2.467693	0.014584	0.276214
	-0.34963	-2.46608	0.014648	0.276467
	-0.28735	-2.46535	0.014676	0.276643
	-0.29058	-2.46832	0.014559	0.276196
	0.370888	2.466253	0.014641	0.276421
SLC6A9;CCDC24;PTPRF;TCTEX1D4	-0.33672	-2.46713	0.014606	0.276329
ENSG00000261654;CSF1;KCNA3;KCNA2;PIFO	0.282939	2.466833	0.014618	0.276345
	0.336688	2.465768	0.01466	0.27656
	-0.15925	-2.46771	0.014584	0.276214
	0.326159	2.466506	0.014631	0.276364
DFFB;MEGF6	0.270876	2.467438	0.014594	0.276259
	0.168764	2.465113	0.014686	0.276643
	0.248521	2.460304	0.014877	0.277644
TIAF1	-0.35948	-2.46745	0.014594	0.276259
	0.337599	2.464034	0.014729	0.276842
	-0.27009	-2.46697	0.014613	0.276345
	-0.2055	-2.46774	0.014582	0.276214
LHFP	0.332481	2.4669	0.014615	0.276345
	-0.25383	-2.46243	0.014792	0.277319
	0.306031	2.465197	0.014683	0.276643
	-0.24889	-2.46038	0.014874	0.277637
S100P;ABLIM2	0.253297	2.462705	0.014781	0.277263
	0.40414	2.464621	0.014705	0.276748
	-0.29769	-2.46418	0.014723	0.276818
TDRD10;ARHGEF2;SHE	-0.31121	-2.46831	0.01456	0.276196
	0.238719	2.46664	0.014626	0.276349
TSPAN18	-0.26733	-2.46807	0.014569	0.276196
	0.360671	2.462409	0.014793	0.277323
	-0.49104	-2.46565	0.014665	0.276602
UQCC2;PFDN6;HLA-DMA;DAXX	-0.31944	-2.46153	0.014828	0.277482
	0.138729	2.460459	0.014871	0.277625
	0.168158	2.459839	0.014896	0.277761
GNG7	-0.37948	-2.46449	0.014711	0.276748
TMEM59;PODN	-0.34092	-2.46556	0.014668	0.276629
GRASP;SLC11A2;ACVRL1;METTL7A;ACVR1B	0.242113	2.465215	0.014682	0.276643
INPP5K;TLCD2	-0.19169	-2.4645	0.01471	0.276748
SUPT7L;FAM179A;ENSG00000229951	-0.48894	-2.46346	0.014751	0.277047
MACROD2	-0.33607	-2.46373	0.014741	0.276947
RER1;SKI;SSU72;NADK;PEX10;LINC00982;MEGF6	0.221911	2.465498	0.014671	0.276629
ABI3BP;FILIP1L;NXPE3;NIT2;CEP97	-0.38242	-2.46609	0.014647	0.276467
AGAP2	0.314992	2.467057	0.014609	0.276335
	-0.28985	-2.46769	0.014584	0.276214
	-0.22129	-2.4645	0.01471	0.276748
STAB1	0.220139	2.466951	0.014613	0.276345
SRSF9	0.30941	2.462801	0.014778	0.277238
PDLIM1;ENTPD1;ENTPD1-AS1;SORBS1	-0.27931	-2.46528	0.014679	0.276643
	-0.29016	-2.46617	0.014644	0.276448

	0.199549	2.464405	0.014714	0.276748
	-0.18234	-2.46542	0.014674	0.27664
	-0.20873	-2.46335	0.014756	0.277069
	0.335148	2.463951	0.014732	0.276879
SLCO5A1	0.219486	2.461783	0.014818	0.277482
	0.298039	2.464344	0.014716	0.276769
KIAA0556;XPO6	-0.23684	-2.46509	0.014687	0.276643
	0.287142	2.465264	0.01468	0.276643
	0.312999	2.465093	0.014687	0.276643
	0.304987	2.462902	0.014774	0.277238
	-0.4319	-2.46598	0.014652	0.276493
	0.167302	2.46661	0.014627	0.276349
CTSF;ALDH3B2;CDK2AP2;UNC93B1	-0.23998	-2.46667	0.014624	0.276349
DMRTA2;TTC39A	0.407995	2.466825	0.014618	0.276345
	0.311342	2.464715	0.014702	0.276748
SLC7A5	-0.17281	-2.46528	0.014679	0.276643
	0.288532	2.461411	0.014833	0.277482
	0.412076	2.466511	0.014631	0.276364
HIP1	0.233172	2.462065	0.014807	0.27745
	0.31491	2.464728	0.014701	0.276748
	0.338811	2.46618	0.014644	0.276448
RAB3IL1;VPS37C	-0.36371	-2.45992	0.014892	0.277721
	0.244586	2.462715	0.014781	0.277263
	0.278032	2.463207	0.014761	0.277118
	0.190495	2.46543	0.014673	0.27664
SND1	-0.17083	-2.46034	0.014876	0.277637
	0.309538	2.463774	0.014739	0.276947
PWWP2B	-0.41306	-2.46368	0.014743	0.276971
	-0.20521	-2.45904	0.014928	0.27804
	0.241068	2.466475	0.014632	0.276364
	0.181748	2.464505	0.01471	0.276748
	0.151387	2.46144	0.014832	0.277482
NIT2	-0.29311	-2.46312	0.014765	0.277163
	0.254199	2.466189	0.014643	0.276448
	-0.2377	-2.46286	0.014775	0.277238
	-0.26275	-2.45994	0.014892	0.277721
	0.206017	2.459845	0.014895	0.277761
	-0.23212	-2.46285	0.014776	0.277238
	0.152343	2.463354	0.014756	0.277069
	0.141254	2.464976	0.014691	0.2767
	-0.12482	-2.4616	0.014825	0.277482
	0.165107	2.462879	0.014774	0.277238
	0.114674	2.46245	0.014791	0.277319
COL8A2;AGO3;KIAA0319L;PSMB2;C1orf216	0.170647	2.463449	0.014752	0.277047
	-0.30208	-2.46165	0.014823	0.277482
	-0.14827	-2.46328	0.014759	0.277088
	-0.2946	-2.45925	0.014919	0.278008

ADAMTS1;ADAMTS5		-0.2996	-2.4615	0.014829	0.277482
		0.172136	2.462598	0.014786	0.277316
		0.210242	2.464098	0.014726	0.276818
	39508	-0.33118	-2.4627	0.014781	0.277263
		0.237826	2.464133	0.014725	0.276818
ATPIF1;CD164L2;ENSG00000270605;NUDC;TRNAU1AP;WDTC1					
;FCN3;ENSG00000237429;PIGV;RPS6KA1;THEMIS2		-0.30213	-2.46511	0.014686	0.276643
HMHA1;ARID3A;GNG7;GPX4;MISP		0.306748	2.465203	0.014682	0.276643
WBSCR22;ELN;ABHD11		-0.23155	-2.46035	0.014875	0.277637
		0.371513	2.465007	0.01469	0.276689
		-0.21261	-2.46666	0.014625	0.276349
		0.27711	2.463112	0.014765	0.277163
		0.292606	2.46091	0.014853	0.277523
LYST		-0.29464	-2.46257	0.014787	0.277319
		0.130693	2.46472	0.014701	0.276748
		0.285101	2.46519	0.014683	0.276643
		-0.14509	-2.46284	0.014776	0.277238
CDK11B		-0.31281	-2.46374	0.01474	0.276947
THUMPD3;CIDECP;OGG1		0.30928	2.462432	0.014792	0.277319
		0.223389	2.464124	0.014725	0.276818
PDCD6;NKD2		0.231418	2.457557	0.014987	0.278368
		0.255824	2.461543	0.014828	0.277482
		-0.30253	-2.46166	0.014823	0.277482
		0.208	2.463297	0.014758	0.277087
		-0.17011	-2.4613	0.014837	0.277502
COA6;LINC01132		-0.3968	-2.46037	0.014875	0.277637
ABRACL		0.295731	2.46224	0.0148	0.277401
		0.210917	2.459989	0.01489	0.277721
		0.266629	2.464538	0.014709	0.276748
CUZD1		0.442688	2.462181	0.014802	0.277418
		-0.23569	-2.4636	0.014746	0.276998
		-0.15021	-2.46059	0.014866	0.277605
NLRC5;GPR114;GNAO1;CETP;ENSG00000261270		0.272038	2.464481	0.014711	0.276748
HHIPL1;MEG3		-0.26155	-2.45979	0.014898	0.277783
		-0.21759	-2.46363	0.014745	0.276985
AFTPH;PELI1;ENSG00000233694;ENSG00000172974		0.278232	2.465243	0.014681	0.276643
		0.147844	2.462925	0.014773	0.277238
		0.198915	2.463542	0.014748	0.277011
NOP56		0.278119	2.463732	0.014741	0.276947
		-0.17197	-2.46018	0.014882	0.277686
		0.308214	2.463892	0.014734	0.276899
LIFR		0.393447	2.459995	0.014889	0.277721
		0.270636	2.463098	0.014766	0.277163
		0.29725	2.459221	0.01492	0.278016
		0.126117	2.462001	0.014809	0.27745
		-0.35307	-2.46292	0.014773	0.277238

	0.432155	2.466411	0.014635	0.276364
	0.379976	2.463664	0.014743	0.276972
RNF141;EIF4G2	-0.36919	-2.46126	0.014839	0.277502
	0.272396	2.457413	0.014993	0.278388
	0.244395	2.464106	0.014726	0.276818
RALGPS2;SOAT1	0.326806	2.461489	0.01483	0.277482
	-0.25632	-2.46565	0.014665	0.276602
	0.291315	2.464103	0.014726	0.276818
	0.187218	2.462616	0.014785	0.277315
SOBP;PDSS2	-0.37583	-2.45926	0.014919	0.278008
	-0.24681	-2.46146	0.014831	0.277482
	-0.51214	-2.46119	0.014842	0.277502
	0.214903	2.461471	0.01483	0.277482
	0.269272	2.464158	0.014724	0.276818
	-0.22379	-2.46153	0.014828	0.277482
	-0.25784	-2.46114	0.014844	0.277502
EIF4G1;ABCF3;PSMD2	0.248422	2.461462	0.014831	0.277482
	0.292088	2.464076	0.014727	0.276822
CIRBP;ENSG00000267530	0.776887	2.46673	0.014622	0.276349
	-0.22337	-2.4613	0.014837	0.277502
	0.261527	2.46054	0.014868	0.277605
	0.247083	2.460949	0.014851	0.277523
SHH	0.306478	2.459962	0.014891	0.277721
	0.338511	2.462338	0.014796	0.277352
	0.208397	2.461013	0.014849	0.277511
	-0.35206	-2.46275	0.014779	0.277262
	-0.22854	-2.46442	0.014713	0.276748
	-0.26812	-2.46179	0.014818	0.277482
	0.343528	2.462079	0.014806	0.27745
ADSS;ZBTB18;C1orf101	-0.38648	-2.46448	0.014711	0.276748
	-0.75569	-2.45128	0.015242	0.279511
	0.233743	2.456965	0.015011	0.278481
GULOP	0.287615	2.463356	0.014755	0.277069
	-0.4103	-2.46471	0.014702	0.276748
	0.348919	2.462372	0.014795	0.277339
	0.208701	2.462516	0.014789	0.277319
	0.289136	2.461251	0.014839	0.277502
	-0.21482	-2.46246	0.014791	0.277319
	-0.25604	-2.46287	0.014775	0.277238
	-0.26567	-2.46026	0.014879	0.277663
	-0.17808	-2.46452	0.014709	0.276748
	0.218506	2.46353	0.014749	0.277011
	0.134704	2.460046	0.014887	0.277721
	-0.31058	-2.46185	0.014815	0.277482
CDC42BPG;ESRRA;NAALADL1;CAPN1;OTUB1;GPR137;MARK2	-0.47815	-2.46179	0.014818	0.277482
	0.284026	2.462808	0.014777	0.277238

HEATR2;PDGFA;FAM20C;SUN1;PSMG3-AS1;MAD1L1;ENSG00000249852	-0.2844	-2.45909	0.014926	0.27803
	-0.21461	-2.46036	0.014875	0.277637
	-0.34433	-2.45765	0.014984	0.278368
	-0.31824	-2.45832	0.014957	0.278257
	0.2513	2.464139	0.014724	0.276818
	0.374763	2.462552	0.014787	0.277319
PFKFB2;FAIM3	-0.25674	-2.46441	0.014714	0.276748
	-0.32085	-2.46173	0.01482	0.277482
	-0.25313	-2.46452	0.014709	0.276748
ENSG00000260966;YAP1	0.241163	2.461473	0.01483	0.277482
	-0.15834	-2.45726	0.014999	0.278425
VCL;CAMK2G;SYNPO2L;PPP3CB	-0.33011	-2.46334	0.014756	0.27707
	0.2975	2.462824	0.014777	0.277238
RHOJ;AKAP5;PPP1R36	-0.3448	-2.46281	0.014777	0.277238
	0.256911	2.462168	0.014803	0.277418
	0.204784	2.463422	0.014753	0.277055
LIMS2;MYO7B;ENSG00000236682;GPR17;ERCC3;SAP130;ENSG00000272667	-0.41451	-2.45807	0.014967	0.278292
MCCC2	0.345846	2.460545	0.014867	0.277605
ADAMTSL2;GBGT1;SARDH;SLC2A6;MED22;SURF6;ABO	-0.45047	-2.46484	0.014697	0.276748
AMOTL1;LINC01171	-0.24924	-2.45745	0.014992	0.278388
	-0.26737	-2.46105	0.014847	0.277509
	0.180532	2.462023	0.014808	0.27745
	0.29393	2.461116	0.014845	0.277509
	-0.23453	-2.46153	0.014828	0.277482
	0.25346	2.464405	0.014714	0.276748
	0.398827	2.458996	0.01493	0.278051
HLA-DRA	0.177994	2.462532	0.014788	0.277319
	-0.30616	-2.46036	0.014875	0.277637
	-0.23388	-2.46204	0.014808	0.27745
USP48	-0.41023	-2.46415	0.014724	0.276818
	0.297705	2.461995	0.01481	0.27745
	-0.14287	-2.46086	0.014855	0.277535
C11orf48	0.297019	2.460579	0.014866	0.277605
	-0.21426	-2.45817	0.014963	0.278292
	-0.3995	-2.46183	0.014816	0.277482
CD276	-0.22225	-2.4574	0.014994	0.278388
	0.22346	2.457048	0.015008	0.278467
FES	-0.23166	-2.4614	0.014833	0.277482
	-0.19319	-2.46061	0.014865	0.277605
	0.384644	2.463955	0.014732	0.276879
	-0.32289	-2.45845	0.014951	0.278216
	-0.17744	-2.46098	0.01485	0.277519
	-0.13947	-2.45999	0.01489	0.277721
	0.31345	2.46064	0.014864	0.277605
AKT3;ZBTB18;C1orf101	-0.34689	-2.46022	0.01488	0.277668

	0.203405	2.461162	0.014843	0.277502
FAM149A	0.419128	2.461234	0.01484	0.277502
	0.328853	2.461147	0.014843	0.277502
	0.18179	2.460872	0.014854	0.277535
	0.298317	2.460242	0.01488	0.277666
	-0.32079	-2.4625	0.014789	0.277319
	0.341463	2.455404	0.015074	0.278895
	0.282989	2.461189	0.014842	0.277502
	0.209051	2.458865	0.014935	0.278095
	-0.24976	-2.46228	0.014798	0.277386
DNAH10;CCDC92	-0.25891	-2.45729	0.014998	0.278425
ZCCHC24;ZMIZ1;PPIF;TMEM254	0.200345	2.460329	0.014876	0.277637
	0.244581	2.456603	0.015026	0.278606
	-0.32586	-2.46124	0.01484	0.277502
ENSG00000224992	0.310629	2.460146	0.014883	0.277689
RAMP1;TRAF3IP1;LINC01107	-0.28848	-2.45646	0.015032	0.278606
	0.272519	2.461907	0.014813	0.277482
ENSG00000263235	-0.23171	-2.45849	0.01495	0.278197
	0.248544	2.462222	0.014801	0.277402
ITGB2	-0.39923	-2.45727	0.014999	0.278425
	-0.27103	-2.46208	0.014806	0.27745
	-0.21348	-2.45968	0.014902	0.277811
CARS;MRPL23;TSSC2	0.294589	2.461904	0.014813	0.277482
	-0.26529	-2.45961	0.014905	0.277821
CNOT10;CCR4;DYNC1LI1	-0.47094	-2.46106	0.014847	0.277509
	0.310369	2.46128	0.014838	0.277502
MRPL27	-0.3093	-2.45667	0.015023	0.278605
	0.350966	2.461865	0.014815	0.277482
	-0.13949	-2.45973	0.0149	0.277811
	0.254541	2.460772	0.014858	0.277586
	0.438017	2.459195	0.014922	0.278024
	-0.24283	-2.45806	0.014967	0.278292
	0.272007	2.456983	0.01501	0.278481
	0.188851	2.461088	0.014846	0.277509
	0.341654	2.461775	0.014818	0.277482
ENSG00000224272;KIF1A	-0.44015	-2.45821	0.014961	0.278292
	0.260747	2.45867	0.014943	0.278126
GTSE1;LINC00899;FBLN1;ENSG00000273145;ENSG00000238120;TBC1D22A	-0.29087	-2.46137	0.014835	0.277492
	0.192003	2.45329	0.01516	0.279182
	-0.15551	-2.45971	0.014901	0.277811
	0.200021	2.45879	0.014938	0.278101
	0.159828	2.45689	0.015014	0.2785
KIF26A;C14orf2;AMN	-0.30909	-2.45331	0.015159	0.279181
GPSM1;EGFL7;LCNL1;UAP1L1;PTGDS	-0.26302	-2.46156	0.014827	0.277482
	0.279486	2.46061	0.014865	0.277605
ZNF423;NKD1;ENSG00000260029;ENSG00000205414	-0.29946	-2.45755	0.014987	0.278368

	0.306539	2.460511	0.014869	0.277605
	0.154809	2.458149	0.014964	0.278292
MFNG;CSF2RB;IL2RB;RAC2;LGALS2;CYTH4;NCF4	0.308816	2.459152	0.014923	0.27803
	0.186454	2.461609	0.014825	0.277482
UHRF1	-0.23619	-2.46064	0.014864	0.277605
	0.200777	2.459675	0.014902	0.277811
	0.265825	2.450526	0.015273	0.279813
	0.13516	2.461399	0.014833	0.277482
NOL3	0.420622	2.460077	0.014886	0.277716
ARID3A;MOB3A;HMHA1;GPX4;ZNF57;REEP6	-0.29107	-2.46165	0.014823	0.277482
	0.198592	2.460529	0.014868	0.277605
	0.245291	2.457817	0.014977	0.278302
	0.295866	2.461002	0.014849	0.277511
	0.21612	2.45861	0.014945	0.278152
	0.228603	2.45725	0.015	0.278425
	0.198098	2.45804	0.014968	0.278292
HP1BP3;CAMK2N1;UBXN10	-0.28603	-2.46193	0.014812	0.277482
	-0.20383	-2.46055	0.014867	0.277605
	-0.418	-2.46144	0.014832	0.277482
	0.362062	2.45935	0.014915	0.277956
SDC3;COL16A1;TINAGL1;FABP3	0.31754	2.459027	0.014928	0.27804
	0.188766	2.455116	0.015086	0.278928
	-0.3824	-2.46017	0.014883	0.277686
SKI	0.308954	2.456432	0.015033	0.278606
	-0.22008	-2.45716	0.015003	0.278447
	0.221697	2.455236	0.015081	0.278897
	-0.1638	-2.45747	0.014991	0.278388
ITPR3;SYNGAP1;B3GALT4;RPL32P1;C6orf10;RGL2	-0.21768	-2.45762	0.014985	0.278368
	0.313295	2.455162	0.015084	0.278924
	-0.41869	-2.45938	0.014914	0.277943
	0.239	2.457993	0.01497	0.278292
	0.153297	2.454754	0.015101	0.278977
FBXW10;LRRC48;MIEF2;PLD6;MPRIP;NT5M;ALKBH5;ENSG0000 0232344;TVP23B	-0.30686	-2.4587	0.014941	0.278126
	0.187068	2.460118	0.014885	0.277698
FSTL3	-0.18872	-2.45895	0.014931	0.278076
UAP1L1;PTGDS;CAMSAP1;EGFL7;LCNL1	-0.18167	-2.46051	0.014869	0.277605
STRBP;ARPC5L;DENND1A;RABEPK	-0.29948	-2.4578	0.014977	0.278302
	0.282405	2.454444	0.015113	0.279049
	0.199773	2.458856	0.014935	0.278095
PTPRN2	0.256619	2.45966	0.014903	0.277811
	0.281935	2.456978	0.015011	0.278481
PTPRN2;DNAJB6	-0.31965	-2.45623	0.015041	0.278695
	0.374858	2.458695	0.014942	0.278126
	0.145092	2.458018	0.014969	0.278292
RHPN1-AS1;BAI1;TOP1MT;RHPN1;EEF1D;PYCRL;LY6H;ZNF623	-0.32352	-2.45421	0.015123	0.279085

	0.220245	2.455084	0.015087	0.278928
	0.178795	2.458316	0.014957	0.278257
	0.234028	2.457062	0.015007	0.278467
	-0.38877	-2.45708	0.015007	0.278466
CD163L1;CD27;CLSTN3;C1RL-AS1;IFFO1;RBP5	-0.38782	-2.46147	0.014831	0.277482
	0.178157	2.460019	0.014889	0.277721
	-0.21777	-2.45759	0.014986	0.278368
	-0.18606	-2.4571	0.015006	0.278466
	0.233762	2.460916	0.014853	0.277523
	0.320899	2.459136	0.014924	0.27803
	-0.19498	-2.45582	0.015057	0.278723
	-0.26171	-2.45917	0.014922	0.278028
	0.254322	2.460583	0.014866	0.277605
ENSG00000226891;DNAJC6;ENSG00000224570;ENSG0000022				
3949;AK4	-0.36055	-2.45502	0.01509	0.278928
	-0.26337	-2.46104	0.014848	0.277509
	-0.22926	-2.45871	0.014941	0.278126
TPPP;NKD2	-0.29533	-2.45818	0.014962	0.278292
ITGA1;FST;ENSG00000247796;ARL15	-0.2911	-2.45508	0.015088	0.278928
	0.219847	2.456481	0.015031	0.278606
AGTRAP	-0.18012	-2.45949	0.01491	0.277875
	-0.2286	-2.45949	0.01491	0.277875
	-0.20033	-2.45492	0.015094	0.278941
	0.251142	2.461055	0.014847	0.277509
CD8B;ATOH8	0.443516	2.458134	0.014964	0.278292
LOH12CR1;LRP6;YBX3;STYK1	-0.43543	-2.45784	0.014976	0.278302
	0.230473	2.457614	0.014985	0.278368
	-0.23536	-2.45414	0.015125	0.279094
UGDH	0.333126	2.460594	0.014866	0.277605
C1orf194;CLCC1;GSTM3;CSF1;WDR47;SYPL2;GSTM4;GPSM2;FA				
M102B;GSTM5;PSRC1	-0.441	-2.45717	0.015003	0.278447
	0.284721	2.458162	0.014963	0.278292
	0.236894	2.456786	0.015018	0.278554
TMF1	0.248047	2.457396	0.014994	0.278388
	0.27296	2.455773	0.015059	0.278745
	0.296585	2.455946	0.015052	0.278723
ENSG00000250280;MSRB3	-0.38396	-2.45394	0.015134	0.27912
LINC00205	0.346702	2.456426	0.015033	0.278606
	0.317805	2.459122	0.014924	0.27803
ZNF3;GAL3ST4;ZNHIT1;EPHB4;ZKSCAN1;STAG3;RABL5	-0.30862	-2.45966	0.014903	0.277811
	-0.21081	-2.45807	0.014967	0.278292
	0.278826	2.458672	0.014943	0.278126
RHOH	-0.39191	-2.45993	0.014892	0.277721
	0.248877	2.455945	0.015052	0.278723
	-0.24941	-2.45698	0.015011	0.278481
	0.37505	2.457841	0.014976	0.278302
	-0.2593	-2.45751	0.014989	0.278386

	0.1432	2.454323	0.015118	0.279049
	0.145438	2.45837	0.014955	0.278251
	0.306079	2.458802	0.014937	0.278101
	-0.28838	-2.45668	0.015023	0.278605
SPATS2;ENSG00000257243;KCNH3;PRPH;ENSG00000258334;C				
ERS5	-0.3076	-2.4574	0.014994	0.278388
	-0.29895	-2.45537	0.015076	0.278896
FARS2;ENSG00000233068	0.312749	2.451475	0.015234	0.279447
NOTCH4;CLIC1;LSM2;PSMB8;PBX2;FKBPL;C6orf25	-0.25684	-2.4588	0.014938	0.278101
	0.132793	2.453708	0.015143	0.279181
	-0.24669	-2.45692	0.015013	0.278487
	-0.29576	-2.45433	0.015118	0.279049
	0.375905	2.458357	0.014955	0.278251
	-0.20638	-2.45216	0.015206	0.279349
	0.175546	2.455603	0.015066	0.278812
	-0.29011	-2.45271	0.015184	0.279231
	-0.15469	-2.45265	0.015186	0.279231
	0.369674	2.458602	0.014945	0.278152
	0.173947	2.45801	0.014969	0.278292
ABI3;SKAP1;HOXB4;NPEPPS;SP6;NXPH3;MIR10A;HOXB6	0.235663	2.459098	0.014925	0.27803
	0.23182	2.459622	0.014904	0.277821
	0.309719	2.4551	0.015087	0.278928
PPP2R2B;DPYSL3	0.290403	2.457156	0.015004	0.278447
CCRL2	0.265502	2.458399	0.014954	0.278243
PLCG1;PTPRT	0.271654	2.458783	0.014938	0.278101
	-0.23271	-2.45851	0.014949	0.278197
	0.184071	2.452815	0.015179	0.279231
DCLK2	0.254426	2.45805	0.014968	0.278292
	-0.26908	-2.45656	0.015027	0.278606
	-0.27813	-2.45736	0.014995	0.27839
	0.133045	2.453777	0.01514	0.279181
	-0.33003	-2.45955	0.014907	0.277857
	-0.1572	-2.45433	0.015118	0.279049
	0.204399	2.456822	0.015017	0.278539
	0.388595	2.45276	0.015182	0.279231
	0.184916	2.455329	0.015077	0.278897
SEPHS2;PPP4C;MVP;CD2BP2	-0.2662	-2.45814	0.014964	0.278292
	0.202169	2.455547	0.015068	0.278833
CASP7;TRUB1;AFAP1L2;DCLRE1A	-0.28728	-2.4562	0.015042	0.278701
RAPGEF4;ENSG00000091436;CHN1;WIPF1	0.273173	2.454097	0.015127	0.279094
MYO7B;BIN1;LIMS2;GPR17;GYPC	-0.34177	-2.45218	0.015205	0.279349
	0.245354	2.456008	0.01505	0.278723
CPNE5	-0.1722	-2.45791	0.014973	0.278299
GPBP1	-0.33415	-2.45886	0.014935	0.278095
	-0.15584	-2.45587	0.015055	0.278723
	-0.20351	-2.45596	0.015052	0.278723
PRKD3	-0.27179	-2.45634	0.015036	0.278638

	0.252965	2.454066	0.015129	0.279094
	0.208271	2.456158	0.015044	0.278701
	0.224316	2.459051	0.014927	0.27804
	-0.18639	-2.45426	0.015121	0.279064
	0.200293	2.452767	0.015181	0.279231
RCAN2;ANKRD66;ENSG00000236164;GPR111;ENSG00000226594;GPR116	-0.26813	-2.44705	0.015416	0.28064
PIK3R1	-0.33135	-2.45345	0.015154	0.279181
ERO1L;TMX1	-0.29577	-2.45755	0.014988	0.278368
SYK	-0.23001	-2.45415	0.015125	0.279094
	-0.17658	-2.45487	0.015096	0.278942
TTC22;TCEANC2;ENSG00000197015;BSND;HSPB11;TMEM59	-0.24916	-2.4559	0.015054	0.278723
	0.25808	2.457932	0.014972	0.278299
	-0.22302	-2.45363	0.015146	0.279181
	-0.25958	-2.45541	0.015074	0.278895
TUBG2;FKBP10;CNTNAP1;KRT23;PTRF;NT5C3B	-0.31027	-2.45693	0.015012	0.278487
ZC2HC1C	0.310098	2.457653	0.014983	0.278368
	0.183348	2.457805	0.014977	0.278302
	-0.15879	-2.45606	0.015048	0.278721
	0.328497	2.457718	0.014981	0.278353
PLAGL1	-0.46332	-2.45425	0.015121	0.279064
	-0.41095	-2.45521	0.015082	0.278904
	0.241073	2.454915	0.015094	0.278941
ENSG00000239521	0.13892	2.452961	0.015173	0.2792
	-0.23195	-2.45582	0.015058	0.278723
	-0.35678	-2.45793	0.014972	0.278299
	-0.17796	-2.45397	0.015133	0.27912
PPM1H;USP15	0.299107	2.456426	0.015033	0.278606
	0.215783	2.455669	0.015064	0.278798
	-0.25292	-2.45453	0.01511	0.279026
ENSG00000254973;FAM83H-AS1;BOP1	0.284167	2.455104	0.015086	0.278928
	0.193561	2.455307	0.015078	0.278897
SKI	0.283164	2.452672	0.015185	0.279231
	0.200688	2.45464	0.015105	0.278984
	0.288903	2.45188	0.015217	0.27938
FSTL3	0.239001	2.455896	0.015054	0.278723
TMEM132C	0.310132	2.45596	0.015052	0.278723
	0.304618	2.458577	0.014946	0.278158
	0.290529	2.456734	0.015021	0.278581
	-0.19132	-2.45359	0.015148	0.279181
	0.128128	2.455394	0.015075	0.278895
FGFR3;RNF212	0.313951	2.453574	0.015149	0.279181
	-0.39408	-2.45887	0.014934	0.278095
	0.2445	2.458185	0.014962	0.278292
SECTM1	0.286267	2.456154	0.015044	0.278701
CBL;KMT2A	-0.41627	-2.4579	0.014973	0.278299

PIEZO1;ENSG00000259881;ENSG00000261226;CBFA2T3	0.270924	2.455015	0.01509	0.278928
IDH1	-0.26463	-2.45653	0.015029	0.278606
	-0.30519	-2.45582	0.015057	0.278723
GSPT1	-0.35213	-2.4565	0.01503	0.278606
ANKRD65;ENSG00000272106;SKI;VWA1;FAM213B	-0.23214	-2.45167	0.015226	0.279431
YIF1A;DPP3	-0.2472	-2.45791	0.014973	0.278299
LOXL1	-0.29178	-2.45737	0.014995	0.27839
ENSG00000247679	-0.25915	-2.45462	0.015106	0.278984
	0.261871	2.456045	0.015048	0.278722
	-0.22113	-2.45307	0.015169	0.2792
RNU1-1;RNU1-4;RNU1-2	-0.18557	-2.45188	0.015218	0.27938
CSNK1A1;ENSG00000230551;MYOZ3;CSF1R;PDE6A;SYNPO;PP				
ARGC1B;CD74	-0.35631	-2.45536	0.015076	0.278896
ZW10	-0.3796	-2.45654	0.015028	0.278606
CIAO1;ENSG00000272913	-0.34519	-2.4526	0.015188	0.279231
ENSG00000260425;LMF1	-0.17961	-2.4537	0.015143	0.279181
	-0.28211	-2.45657	0.015027	0.278606
GPATCH2L;MLH3;LTBP2;TGFB3	-0.23533	-2.45634	0.015036	0.278638
MEOX1;COASY;CNTNAP1;BECN1;AOC3;FKBP10;COA3;ATP6V0A				
1;VPS25;TUBG2;ACLY;RAMP2;RUNDC1;PTRF	-0.31359	-2.45344	0.015154	0.279181
	0.1802	2.45524	0.015081	0.278897
	0.25742	2.454098	0.015127	0.279094
	0.19596	2.455526	0.015069	0.278833
LINC00963;ABL1;EXOSC2;C9orf106;SH3GLB2;ENSG000002243				
07	0.460219	2.448951	0.015337	0.28007
	-0.30518	-2.45629	0.015038	0.278659
KIAA0754	-0.22931	-2.4531	0.015168	0.2792
	0.220695	2.454852	0.015097	0.278942
ADAMTS2	-0.2711	-2.45744	0.014992	0.278388
CRY2;TSPAN18;MAPK8IP1	-0.21824	-2.45305	0.01517	0.2792
	0.168606	2.453944	0.015133	0.27912
	-0.27007	-2.45655	0.015028	0.278606
	-0.37366	-2.45246	0.015194	0.279285
	-0.21067	-2.44995	0.015296	0.279906
	-0.25954	-2.45426	0.01512	0.279064
C6orf132;MED20;TRERF1	0.328544	2.45783	0.014976	0.278302
	0.184533	2.454963	0.015092	0.278928
SH2D2A;GPATCH4	-0.22365	-2.45355	0.01515	0.279181
	-0.26347	-2.45649	0.015031	0.278606
	0.259504	2.453789	0.01514	0.279181
CAMTA1;CHD5;GPR153;KCNAB2;NOL9	0.320935	2.455279	0.015079	0.278897
	-0.29171	-2.45766	0.014983	0.278368
	0.211146	2.455927	0.015053	0.278723
	0.271104	2.452995	0.015172	0.2792
	0.276325	2.454848	0.015097	0.278942
	-0.16134	-2.45609	0.015047	0.278718
	0.232906	2.453166	0.015165	0.2792

	0.182789	2.455846	0.015056	0.278723
	-0.25299	-2.45562	0.015066	0.278812
	0.154047	2.452684	0.015185	0.279231
	-0.16725	-2.45657	0.015027	0.278606
	0.265242	2.452614	0.015188	0.279231
MAGI1	0.363509	2.456335	0.015037	0.278638
	0.199022	2.453355	0.015157	0.279181
HCP5	-0.36251	-2.45599	0.015051	0.278723
	0.190006	2.453053	0.01517	0.2792
	0.182725	2.447775	0.015386	0.280429
	0.218955	2.454967	0.015092	0.278928
	0.171741	2.45033	0.015281	0.279825
	0.279768	2.453745	0.015142	0.279181
	-0.28218	-2.45432	0.015118	0.279049
KLHL29;ENSG00000224361;ENSG00000115128	-0.3441	-2.4522	0.015204	0.279349
	-0.23498	-2.44898	0.015336	0.28007
	0.265922	2.452985	0.015172	0.2792
	0.248383	2.452365	0.015198	0.279328
	-0.13786	-2.45104	0.015252	0.279641
	0.201304	2.455277	0.015079	0.278897
	0.164961	2.449579	0.015312	0.28005
	0.312076	2.454677	0.015104	0.278984
ADCY10P1	0.324318	2.458062	0.014967	0.278292
ENSG00000273247	-0.20361	-2.45308	0.015169	0.2792
ZSWIM5	0.19855	2.45054	0.015272	0.279813
	-0.31974	-2.45481	0.015098	0.27896
	0.736689	2.452093	0.015209	0.279349
	0.367312	2.453577	0.015148	0.279181
	0.258287	2.454431	0.015114	0.279049
SEMA6A	-0.30297	-2.45336	0.015157	0.279181
ACO2;MKL1;ENSG00000232564;ADSL	0.18762	2.450317	0.015281	0.279825
	0.222614	2.45609	0.015047	0.278718
	0.180308	2.454697	0.015103	0.278984
	-0.21172	-2.44927	0.015324	0.28007
	-0.30296	-2.45523	0.015081	0.278897
LIMS2;MYO7B;GPR17;BIN1;GYPC;ENSG00000236682;ENSG000				
00235128	-0.30631	-2.45068	0.015266	0.279754
	-0.29154	-2.45261	0.015188	0.279231
	-0.33984	-2.45294	0.015174	0.279207
	0.447222	2.454871	0.015096	0.278942
	0.214715	2.453328	0.015158	0.279181
	-0.34933	-2.4532	0.015164	0.2792
	-0.28518	-2.45348	0.015152	0.279181
	-0.21088	-2.45716	0.015003	0.278447
	0.214287	2.452089	0.015209	0.279349
	0.191332	2.452544	0.01519	0.279256
	0.107474	2.454785	0.015099	0.278965

ENTPD1;PLCE1;PDLIM1;CYP2C18;SORBS1;ENTPD1-AS1;ENSG00000269948	-0.33031	-2.44716	0.015411	0.280618
	0.220846	2.447218	0.015409	0.280608
HLA-DMB;HLA-DMA;HLA-DOA;HLA-DPA1;HLA-DPB1	-0.2453	-2.45462	0.015106	0.278984
	0.246844	2.455024	0.01509	0.278928
	0.225819	2.452219	0.015204	0.279349
SKI;MEGF6;CEP104;TP73-AS1;DFFB	0.271034	2.452533	0.015191	0.279256
ENSG00000269621	0.212951	2.452252	0.015202	0.279349
	-0.35399	-2.45564	0.015065	0.278807
	0.309517	2.456486	0.015031	0.278606
	-0.25235	-2.45336	0.015157	0.279181
FNDC3B;TMEM212;PLD1;CLDN11	-0.44246	-2.45617	0.015043	0.278701
	0.219316	2.4541	0.015127	0.279094
	0.190771	2.457116	0.015005	0.278464
	-0.24027	-2.45097	0.015255	0.279673
	-0.16917	-2.45346	0.015153	0.279181
UBE2C	0.451541	2.456083	0.015047	0.278718
	0.181173	2.451379	0.015238	0.279461
	0.542315	2.455692	0.015063	0.278793
MYO7A	-0.40743	-2.45224	0.015203	0.279349
ANAPC7;PPTC7	-0.52354	-2.45194	0.015215	0.27938
	0.176033	2.451226	0.015244	0.27954
	0.322874	2.450004	0.015294	0.279906
	0.233218	2.453865	0.015137	0.279161
	0.258315	2.452151	0.015206	0.279349
	0.194856	2.454035	0.01513	0.279094
EVI2B;EVI2A;ADAP2	-0.305	-2.455	0.015091	0.278928
	0.134154	2.451757	0.015223	0.279431
LINC00578	-0.32345	-2.45069	0.015266	0.279754
	-0.38821	-2.45342	0.015155	0.279181
	0.272277	2.454363	0.015116	0.279049
DNALI1;CSF3R;MEAF6;RSPO1	-0.38344	-2.45464	0.015105	0.278984
ITGA10;PIAS3	0.229598	2.451754	0.015223	0.279431
CD200;SLC35A5	0.335689	2.453435	0.015154	0.279181
	0.194763	2.451609	0.015229	0.279431
FAM3D;ACOX2;FAM107A;PXK	-0.26757	-2.4546	0.015107	0.278984
FCHSD2	-0.41691	-2.45313	0.015167	0.2792
RPL3P2	0.217561	2.452025	0.015212	0.279349
	-0.19908	-2.45266	0.015186	0.279231
RDH5	0.420975	2.452798	0.01518	0.279231
	-0.18692	-2.45192	0.015216	0.27938
	-0.22115	-2.45297	0.015173	0.2792
	-0.26599	-2.45213	0.015207	0.279349
C17orf97;FAM101B;DOC2B	-0.27004	-2.44658	0.015435	0.280717
	0.268657	2.45446	0.015113	0.279049
	0.180237	2.446978	0.015419	0.280669
CD8A;CD8B;LINC00152	0.29054	2.455263	0.01508	0.278897

	0.177109	2.449439	0.015317	0.28007
	0.275124	2.452244	0.015203	0.279349
ETV6;HEBP1;BCL2L14	0.3094	2.451305	0.015241	0.279504
TNRC6B	0.234828	2.454327	0.015118	0.279049
ENSG00000254561	-0.28007	-2.45432	0.015118	0.279049
PPP1R18;GABBR1;DHX16;DDR1	0.425828	2.451801	0.015221	0.27942
GLTSCR1L;SLC29A1;POLR1C;TMEM63B	-0.2101	-2.4546	0.015107	0.278984
	-0.52148	-2.45376	0.015141	0.279181
	0.221554	2.454973	0.015092	0.278928
	0.270368	2.455529	0.015069	0.278833
	-0.39416	-2.45165	0.015227	0.279431
	0.221076	2.450189	0.015287	0.279876
	-0.2066	-2.45419	0.015123	0.279085
	0.265615	2.451889	0.015217	0.27938
ENSG00000261690;MVP;TMEM219;SEZ6L2	0.247494	2.453323	0.015159	0.279181
YY1AP1	-0.25412	-2.4517	0.015225	0.279431
TMC8;ST6GALNAC2;TMC6	-0.27378	-2.45302	0.015171	0.2792
	-0.13723	-2.45463	0.015105	0.278984
	-0.18936	-2.4534	0.015156	0.279181
	0.312124	2.451436	0.015236	0.279447
BUD31;LMTK2;RPS3AP26;BAIAP2L1;SMURF1;ARPC1A	-0.28417	-2.4497	0.015307	0.280018
	0.320756	2.451715	0.015224	0.279431
	0.331798	2.452752	0.015182	0.279231
	0.538312	2.452368	0.015198	0.279328
NADK;FAM41C	0.197663	2.451176	0.015246	0.279565
ENSG00000260219;ZNF629	-0.2325	-2.45406	0.015129	0.279094
KLHDC7A;NBL1	-0.26293	-2.44873	0.015347	0.280115
FNBP1;PPAPDC3;AIF1L;ABL1;FAM78A;LAMC3;ASS1	-0.32742	-2.45373	0.015142	0.279181
AGAP2	0.283186	2.453033	0.015171	0.2792
SEPT4;ENSG00000261040;GDPD1;PPM1E;TRIM37	-0.34133	-2.44987	0.0153	0.279935
	0.167157	2.448999	0.015335	0.28007
	0.26641	2.453595	0.015148	0.279181
	0.261856	2.450439	0.015276	0.279825
KBTBD12	-0.33443	-2.4489	0.015339	0.28007
TRPM2;ITGB2;ICOSLG;COL18A1;POFUT2	0.436048	2.451511	0.015233	0.279447
	0.145672	2.451459	0.015235	0.279447
CMTR2;ST3GAL2;NFAT5	-0.2945	-2.44909	0.015332	0.28007
	-0.20898	-2.44678	0.015427	0.280683
	-0.20323	-2.45322	0.015163	0.2792
MCAM;HMBS;OAF;TRAPPC4;HYOU1;C2CD2L	-0.32591	-2.44957	0.015312	0.28005
	0.34241	2.453153	0.015166	0.2792
	0.205009	2.450018	0.015294	0.279906
	0.281457	2.453098	0.015168	0.2792
	0.200246	2.454507	0.015111	0.279029
	0.311331	2.449999	0.015294	0.279906
	-0.28371	-2.4492	0.015327	0.28007
TRIM2	-0.5028	-2.45404	0.015129	0.279094

SEC13	-0.21411	-2.45141	0.015237	0.279447
	-0.29978	-2.45327	0.015161	0.279186
VWF;IFFO1;C1R;ANO2;CD27;C1S;NTF3;LRRC23;TAPBPL	0.37075	2.450704	0.015266	0.279754
	0.212022	2.446673	0.015431	0.280683
	-0.22787	-2.45204	0.015211	0.279349
	-0.15335	-2.44312	0.015579	0.281564
	-0.33546	-2.45142	0.015236	0.279447
C7orf50	-0.33379	-2.4528	0.01518	0.279231
	-0.27343	-2.44775	0.015387	0.280433
FGFBP2	-0.35087	-2.45265	0.015186	0.279231
ROR2	-0.26991	-2.44747	0.015398	0.280563
	0.269461	2.450726	0.015265	0.279754
	0.21034	2.453404	0.015155	0.279181
PPAP2C;FSTL3;ARID3A;SHC2;MISP;HMHA1;GPX4	-0.34113	-2.4457	0.015472	0.280838
	-0.38181	-2.45399	0.015132	0.279115
	-0.37401	-2.45342	0.015155	0.279181
IRX2	0.292611	2.450898	0.015258	0.279703
	0.231151	2.448349	0.015362	0.280273
	-0.31104	-2.45344	0.015154	0.279181
	-0.32568	-2.45033	0.015281	0.279825
	0.62328	2.453342	0.015158	0.279181
INF2;PACS2;JAG2	-0.24457	-2.44894	0.015338	0.28007
	0.231633	2.4484	0.01536	0.280258
	-0.18228	-2.45004	0.015293	0.279906
KAZN	0.227395	2.452067	0.01521	0.279349
	-0.18297	-2.44957	0.015312	0.28005
TRERF1;C6orf132;MED20;ENSG00000261068;RPL7L1	-0.2737	-2.44639	0.015443	0.280775
	0.210492	2.45161	0.015229	0.279431
	0.255779	2.450125	0.015289	0.279876
	0.209376	2.450042	0.015293	0.279906
	-0.28333	-2.45236	0.015198	0.279328
	-0.27514	-2.4508	0.015262	0.279738
	0.227699	2.450327	0.015281	0.279825
	-0.13103	-2.44524	0.015491	0.281024
ZCCHC24	0.239122	2.448538	0.015354	0.280208
	-0.25942	-2.44994	0.015297	0.279908
	0.243933	2.451661	0.015226	0.279431
	0.43885	2.452995	0.015172	0.2792
	-0.36972	-2.45262	0.015187	0.279231
RADIL	-0.27142	-2.45019	0.015286	0.279876
	0.381602	2.45113	0.015248	0.279588
GLYATL2	-0.36469	-2.44938	0.01532	0.28007
	0.19924	2.449919	0.015298	0.279909
	0.168991	2.451423	0.015236	0.279447
	0.331244	2.452029	0.015211	0.279349
	0.131492	2.44622	0.01545	0.280817
	-0.21931	-2.44997	0.015296	0.279906

	0.204387	2.447598	0.015393	0.28049
	0.308684	2.452821	0.015179	0.279231
	-0.31595	-2.45158	0.01523	0.279431
	-0.29512	-2.45346	0.015153	0.279181
ZNF57;S1PR4;MATK;GNG7	-0.31506	-2.45222	0.015204	0.279349
	0.30838	2.451557	0.015231	0.279435
LRRC45	-0.31097	-2.44788	0.015382	0.280411
C1R;CLSTN3;C1S;SLC2A3;IFFO1;ENSG00000257084;PTMS;SCN N1A;VWF	-0.25015	-2.4489	0.01534	0.28007
	0.245494	2.448929	0.015338	0.28007
	-0.23724	-2.4495	0.015315	0.280066
	-0.39206	-2.45019	0.015286	0.279876
	-0.20177	-2.45158	0.01523	0.279431
	-0.41238	-2.45079	0.015262	0.279738
	0.306652	2.450173	0.015287	0.279876
RPL26;ALOX12	-0.28049	-2.45346	0.015153	0.279181
	0.246849	2.448719	0.015347	0.280115
	-0.15952	-2.44889	0.01534	0.28007
	-0.26424	-2.44688	0.015423	0.280683
ROBO3;ROBO4;ENSG00000250073;ESAM;VSIG2	-0.26449	-2.44596	0.015461	0.280836
	0.311645	2.449775	0.015304	0.279981
FARP2;ANKMY1;PPP1R7;PASK	-0.42953	-2.45056	0.015271	0.279811
	0.460882	2.452785	0.015181	0.279231
	0.22983	2.447257	0.015407	0.280608
	-0.28559	-2.45211	0.015208	0.279349
	0.331215	2.448854	0.015341	0.280085
	-0.40128	-2.45362	0.015147	0.279181
	-0.32694	-2.45037	0.015279	0.279825
SOD3;SLC34A2;CCDC149;PI4K2B;SEL1L3;ANAPC4	0.317013	2.449058	0.015333	0.28007
SOX10;IL2RB;CDC42EP1	-0.29864	-2.44735	0.015404	0.280607
	0.14999	2.448818	0.015343	0.2801
BAIAP2;PCYT2;NOTUM;CCDC40	-0.2628	-2.44876	0.015345	0.280115
PIP;ENSG00000257743;KEL;EPHB6;EPHA1-AS1;ENSG00000253882	-0.33555	-2.44475	0.015511	0.281072
	-0.15831	-2.44852	0.015355	0.280208
	-0.36916	-2.44766	0.015391	0.280457
	0.220344	2.449555	0.015313	0.28005
	0.247151	2.450151	0.015288	0.279876
PML;PPCDC	0.189197	2.449485	0.015316	0.280066
	-0.28534	-2.45087	0.015259	0.279712
	0.285938	2.450614	0.015269	0.279795
	-0.13468	-2.44808	0.015373	0.280343
	0.300833	2.449333	0.015322	0.28007
ACBD3;SRP9	-0.20376	-2.45039	0.015279	0.279825
	0.222372	2.446699	0.01543	0.280683
	0.123529	2.444016	0.015542	0.281278
	0.192836	2.44719	0.01541	0.280613

CFL2	0.265061	2.448514	0.015355	0.280208
CD93	0.442244	2.450368	0.015279	0.279825
	0.250622	2.448151	0.01537	0.280341
PCDH12;SPRY4	-0.28361	-2.44802	0.015376	0.280377
NR2F6;USHBP1;PLVAP;JAK3;OCEL1	-0.32483	-2.45057	0.015271	0.279811
	-0.41028	-2.44463	0.015516	0.281089
	-0.14827	-2.4421	0.015621	0.281756
	-0.29826	-2.45187	0.015218	0.27938
ANKLE2	-0.39448	-2.45076	0.015263	0.279746
	-0.39304	-2.44148	0.015647	0.281927
	0.186931	2.449971	0.015296	0.279906
	-0.29095	-2.45162	0.015228	0.279431
	-0.27374	-2.44924	0.015326	0.28007
	0.170075	2.44959	0.015311	0.28005
MRGPRF;UNC93B1;ALDH3B1;TPCN2;ENSG00000256508;ENSG				
00000255306	-0.30838	-2.45194	0.015215	0.27938
	0.243222	2.449145	0.015329	0.28007
	-0.40855	-2.44942	0.015318	0.28007
FLT1;POMP	0.233318	2.445007	0.0155	0.281063
FLNB	-0.31476	-2.44867	0.015349	0.280142
	0.230856	2.448121	0.015372	0.280343
ARL3;SH3PXD2A;KCNIP2	-0.29714	-2.44789	0.015381	0.280411
WFS1;TBC1D14	-0.20383	-2.44597	0.01546	0.280836
NXPH3;ABI3;COL1A1;PHOSPHO1;PPP1R9B;EPN3;ENSG0000024				
8954;SUMO2P17;MYCBPAP;CALCOCO2	-0.25223	-2.44984	0.015301	0.27994
	-0.3309	-2.44862	0.015351	0.280168
	0.244179	2.452482	0.015193	0.279282
	0.305192	2.452628	0.015187	0.279231
HNRNPF;CXCL12	0.31485	2.447879	0.015382	0.280411
	0.284842	2.44125	0.015657	0.281927
	-0.26597	-2.44732	0.015405	0.280608
	-0.24316	-2.44908	0.015332	0.28007
	0.208304	2.449363	0.015321	0.28007
PISD	-0.24113	-2.44475	0.015511	0.281072
	-0.21794	-2.44673	0.015429	0.280683
RPL3P2	-0.45409	-2.45218	0.015205	0.279349
CASP3;CENPU;ENSG00000180712;RWDD4	-0.24473	-2.44573	0.01547	0.280838
PPP1R15A;MYH14;CPT1C;FUZ;NAPSB;ZNF473;MED25;PIH1D1;				
HRC	0.546755	2.452108	0.015208	0.279349
MYO3A;APBB1IP;ABI1	0.476714	2.450127	0.015289	0.279876
HCG4;RPL3P2	-0.30441	-2.44742	0.015401	0.280576
	0.271472	2.444665	0.015515	0.281072
	0.326854	2.450789	0.015262	0.279738
CD34;CD46;PIGR;RASSF5;PFKFB2;ENSG00000234219	-0.31524	-2.44723	0.015408	0.280608
	0.268164	2.449091	0.015332	0.28007
FHOD3	0.257984	2.447121	0.015413	0.280621
	0.281912	2.448459	0.015358	0.280226

ARHGEF10;MYOM2;ERICH1	-0.42934	-2.44798	0.015378	0.280398
GCLC;GSTA3;GSTA2;ENSG00000216775	-0.27704	-2.45098	0.015254	0.279673
GAS8;SPIRE2;SPATA33;GALNS;PIEZO1;CBFA2T3;ENSG00000261				
226;URAHP;ENSG00000260259;C16orf3;ENSG00000182376;R				
NF166	-0.37723	-2.44811	0.015372	0.280343
	-0.26232	-2.44737	0.015403	0.280602
	0.260461	2.451647	0.015227	0.279431
PTGDS	-0.24021	-2.44899	0.015336	0.28007
AHRR;TRIP13;ENSG00000248994;C5orf55;NKD2	-0.28243	-2.44676	0.015428	0.280683
DENND5B;BICD1	0.382561	2.450358	0.01528	0.279825
NME4;TMEM204;ENSG00000260807;SOX8	-0.21098	-2.44911	0.015331	0.28007
	0.194592	2.445914	0.015463	0.280836
	-0.33529	-2.44784	0.015383	0.280417
	-0.35424	-2.45037	0.015279	0.279825
DACT1;ARID4A;JKAMP	-0.43619	-2.44778	0.015386	0.280429
	0.314504	2.448146	0.015371	0.280341
	0.200335	2.450895	0.015258	0.279703
SSBP3;DHCR24	-0.26104	-2.45012	0.015289	0.279876
	-0.3611	-2.44872	0.015347	0.280115
KIF26A;C14orf2;IGHA2;INF2;C14orf79	-0.26	-2.44848	0.015357	0.280221
	0.233577	2.447728	0.015388	0.28044
	-0.23798	-2.44926	0.015325	0.28007
	-0.29516	-2.44788	0.015381	0.280411
TJP3	0.193636	2.446177	0.015452	0.280817
	-0.24094	-2.44897	0.015337	0.28007
	0.295973	2.434295	0.01595	0.283591
	-0.17054	-2.449	0.015336	0.28007
UBE2Q2P1	-0.28944	-2.44769	0.015389	0.280443
	0.531075	2.446867	0.015423	0.280683
P2RX4;P2RX7	0.419454	2.451459	0.015235	0.279447
	0.243596	2.448355	0.015362	0.280273
WBSCR22;CLIP2;ABHD11;CLDN4	-0.37868	-2.44594	0.015462	0.280836
MTOR;MFN2	0.272594	2.446612	0.015434	0.280705
NME4;ENSG00000260807;HN1L;SOX8;TMEM204;UNKL;TPSD1	-0.4152	-2.44823	0.015367	0.280318
	-0.17955	-2.44406	0.01554	0.281278
SUGCT;ENSG00000203446;INHBA	-0.27224	-2.44669	0.015431	0.280683
NGEF;INPP5D	0.283858	2.444449	0.015523	0.281151
	-0.19349	-2.44475	0.015511	0.281072
	0.177111	2.44509	0.015497	0.281026
LAMC1;LAMC2;SMG7;C1orf21;COLGALT2	0.312639	2.450475	0.015275	0.279825
	0.172002	2.445844	0.015466	0.280838
IL1R2;SLC9A4;CNOT11	-0.25818	-2.44579	0.015468	0.280838
	0.207028	2.445145	0.015495	0.281026
	0.272346	2.445097	0.015497	0.281026
	-0.16635	-2.4477	0.015389	0.280443
	0.241677	2.449166	0.015329	0.28007

CTXN1;CERS4	-0.30276	-2.44924	0.015326	0.28007
	0.312041	2.446845	0.015424	0.280683
	0.243949	2.44925	0.015325	0.28007
ENSG00000235505	-0.24717	-2.44905	0.015334	0.28007
IL10RA;CD3G;CBL;CD3E;AMICA1;CD3D	0.291743	2.448238	0.015367	0.280318
NXPH3;LRRC59;SGCA;COL1A1;FAM117A;SLC35B1;EPN3;MRPL27;SAMD14;TMEM92	-0.2451	-2.4492	0.015327	0.28007
	-0.24237	-2.44878	0.015344	0.280115
DNAJC8	0.350576	2.444699	0.015513	0.281072
	-0.32065	-2.44953	0.015314	0.280057
	-0.24641	-2.44786	0.015382	0.280412
	0.150748	2.448205	0.015368	0.280321
	0.298038	2.445639	0.015474	0.28084
	-0.26436	-2.44789	0.015381	0.280411
	0.262636	2.449647	0.015309	0.28004
	0.149257	2.447302	0.015405	0.280608
	0.210673	2.446054	0.015457	0.280836
	0.210325	2.44619	0.015451	0.280817
SGIP1	-0.34393	-2.44707	0.015415	0.280635
	0.241664	2.444755	0.015511	0.281072
FAM115B	-0.24194	-2.44335	0.015569	0.281488
	0.212134	2.445929	0.015462	0.280836
TTC39A;NRD1	-0.3092	-2.45048	0.015275	0.279825
	-0.32194	-2.44936	0.015321	0.28007
	-0.26973	-2.4494	0.015319	0.28007
ATP8B2	-0.31008	-2.44487	0.015506	0.281072
ENSG00000267121	-0.31909	-2.44831	0.015364	0.280286
	-0.32259	-2.44202	0.015625	0.281756
PFN2;TM4SF18;ENSG00000198843;SERP1;ENSG00000224831;TSC22D2;CP	-0.36876	-2.44683	0.015425	0.280683
MYO9A;BBS4	-0.34863	-2.44492	0.015504	0.281072
	-0.36348	-2.4458	0.015468	0.280838
RAP1GAP;EIF4G3	0.208096	2.446537	0.015437	0.280719
ENSG00000238273	-0.26047	-2.44592	0.015463	0.280836
	-0.4166	-2.44215	0.015619	0.281756
TPP2;TEX30	0.32257	2.446739	0.015429	0.280683
	0.30699	2.446879	0.015423	0.280683
MAFG-AS1;WDR45B;PCYT2;SECTM1;BAIAP2;C17orf62	-0.23939	-2.44663	0.015433	0.280704
	-0.23684	-2.44628	0.015448	0.2808
	-0.22532	-2.44969	0.015307	0.280018
	-0.35351	-2.44281	0.015592	0.281603
	0.133866	2.441762	0.015635	0.281806
RNU4-1;RPLP0	-0.19852	-2.44931	0.015323	0.28007
FXYD3	0.129092	2.445426	0.015483	0.280952
	-0.26744	-2.44094	0.01567	0.282012
SLC16A11;ACAP1;CLEC10A	-0.31419	-2.44898	0.015336	0.28007
	-0.1904	-2.44229	0.015614	0.281756

FAM83H-AS1;EEF1D;FAM83H;ZNF34;GPT	-0.24637	-2.44638	0.015444	0.280775
COPG1;GATA2;ENSG00000244300	0.211784	2.449047	0.015334	0.28007
	-0.37842	-2.44513	0.015495	0.281026
	0.156209	2.445682	0.015472	0.280838
	0.388871	2.447136	0.015412	0.280621
VRK1;AK7;ENSG00000260806;GSKIP;ENSG00000258702;PAPO				
LA	-0.40417	-2.44116	0.015661	0.281948
	0.148856	2.446905	0.015422	0.280683
	0.243922	2.443661	0.015556	0.281351
	0.236997	2.444552	0.015519	0.281092
	0.248343	2.449092	0.015332	0.28007
	0.330626	2.442748	0.015594	0.281603
	0.134906	2.440443	0.015691	0.282171
	-0.33062	-2.44234	0.015611	0.281748
SYNRG	-0.35158	-2.44614	0.015453	0.280831
	-0.1752	-2.4471	0.015414	0.280624
CYCS	0.30843	2.44421	0.015533	0.281271
	0.180779	2.446479	0.015439	0.280745
TBX2;TBX4;ENSG00000267280;METTL2A	0.272424	2.447233	0.015408	0.280608
GJB4	-0.30928	-2.44608	0.015456	0.280836
	-0.14962	-2.44212	0.015621	0.281756
PSMG3;CHST12	-0.49265	-2.44703	0.015416	0.28064
ZNF106;DLL4;TTBK2;STARD9	-0.35369	-2.44611	0.015455	0.280836
ABRACL;IFNGR1;HEBP2;TNFAIP3	-0.36227	-2.44626	0.015449	0.280804
RUNDC3B;TP53TG1	0.382207	2.447422	0.0154	0.280576
	0.172399	2.442478	0.015606	0.281715
	-0.31686	-2.44644	0.015441	0.280761
ERVW-1	-0.22478	-2.44583	0.015466	0.280838
TSPAN32;C11orf21	-0.32249	-2.44628	0.015447	0.2808
	0.290855	2.443975	0.015543	0.281278
NUAK2;C1orf186;PIK3C2B	-0.26505	-2.44653	0.015437	0.280719
FARP1	0.406108	2.446376	0.015444	0.280775
	0.153167	2.440152	0.015703	0.282204
	-0.23827	-2.44808	0.015373	0.280343
LAX1;PTPN7	0.205983	2.444068	0.015539	0.281278
	-0.13949	-2.4429	0.015588	0.281603
PRRX2	-0.19052	-2.44519	0.015493	0.281026
	0.134124	2.436459	0.015859	0.283126
	-0.20983	-2.44548	0.015481	0.280946
	-0.20281	-2.44393	0.015545	0.281278
	-0.27126	-2.44566	0.015473	0.280838
	0.234267	2.443454	0.015565	0.281447
SETP5;ENSG00000227512	0.211334	2.442207	0.015617	0.281756
	-0.24014	-2.44598	0.01546	0.280836
IL12RB1;FCHO1;JAK3;BST2	-0.46195	-2.4483	0.015364	0.280286
ZFP2	-0.21559	-2.44362	0.015558	0.281359
	-0.21527	-2.44633	0.015446	0.280787

ZCCHC24;TMEM254;ANXA11;ZMIZ1;PPIF	-0.46405	-2.44527	0.015489	0.281021
	0.293407	2.438797	0.01576	0.282615
	0.181607	2.445697	0.015472	0.280838
	0.473	2.442882	0.015589	0.281603
	0.212902	2.44748	0.015398	0.280563
CAPN2	-0.33706	-2.44503	0.015499	0.281061
	0.232762	2.443733	0.015553	0.281316
CALHM2;ARL3;C10orf32;WDR96;ENSG00000269609;USMG5;S				
FR1	-0.4002	-2.44474	0.015512	0.281072
	0.220393	2.439215	0.015742	0.282475
	0.267012	2.445657	0.015473	0.280838
	-0.19279	-2.44538	0.015485	0.280978
	0.125979	2.447788	0.015385	0.280429
	0.225683	2.447295	0.015406	0.280608
	0.230568	2.446689	0.015431	0.280683
DOCK2;LCP2	-0.33751	-2.44696	0.01542	0.280671
PDGFRL;PSD3;MICU3;ASAH1;NAT1	0.414752	2.444274	0.015531	0.281235
	0.285146	2.445345	0.015486	0.280988
	-0.23439	-2.4434	0.015567	0.281476
	0.316693	2.442519	0.015604	0.281699
	-0.38829	-2.4451	0.015496	0.281026
	0.264307	2.442969	0.015585	0.281603
	0.202781	2.444992	0.015501	0.281063
	-0.36858	-2.44496	0.015502	0.281063
ENSG00000253683	0.393985	2.44718	0.01541	0.280613
	0.333488	2.445673	0.015473	0.280838
	0.243752	2.446008	0.015459	0.280836
CEP104	-0.27601	-2.44437	0.015527	0.281199
TOMM22;ENSG00000232564	0.171035	2.446752	0.015428	0.280683
	0.295535	2.440839	0.015674	0.282026
	0.2075	2.443897	0.015546	0.28128
ELMOD2;RNF150;SCOC	-0.40417	-2.44525	0.01549	0.281023
	-0.3064	-2.44592	0.015462	0.280836
	0.264996	2.439632	0.015725	0.282367
	0.246929	2.446011	0.015459	0.280836
	0.23915	2.436187	0.01587	0.283145
	0.13407	2.443174	0.015577	0.281564
STYXL1;ENSG00000227038;HIP1;DTX2	-0.3216	-2.44137	0.015652	0.281927
PSME2	0.217419	2.445872	0.015464	0.280838
SDR16C5;TMEM68;SBF1P1	-0.29224	-2.43896	0.015753	0.282531
	0.271761	2.446185	0.015452	0.280817
SLFN12L;ENSG00000267554;ENSG00000255987;ENSG0000026				
7074;CCL4;ENSG00000267046;CCL5	-0.35538	-2.44723	0.015408	0.280608
	0.134853	2.441254	0.015657	0.281927
FGD5;RFTN1;BTD;SH3BP5;GALNT15	-0.39421	-2.44239	0.015609	0.28174
	0.262055	2.443806	0.01555	0.281301
	0.316272	2.445689	0.015472	0.280838

	0.205333	2.445444	0.015482	0.280952
	0.275655	2.442702	0.015596	0.281603
LIFR;EGFLAM;DAB2	-0.37879	-2.44635	0.015445	0.280783
	0.28055	2.440588	0.015685	0.282144
	-0.24068	-2.44467	0.015514	0.281072
	-0.1611	-2.44202	0.015625	0.281756
FAM124A;RNASEH2B	0.345578	2.441926	0.015629	0.281756
	0.330129	2.443127	0.015579	0.281564
	-0.19451	-2.44364	0.015557	0.281356
KBTBD11	-0.28708	-2.44686	0.015424	0.280683
RPS18	-0.1915	-2.4447	0.015513	0.281072
	0.369898	2.446772	0.015427	0.280683
	-0.17264	-2.44311	0.015579	0.281564
	-0.22261	-2.4458	0.015468	0.280838
	-0.21511	-2.44454	0.01552	0.281092
	-0.26505	-2.44656	0.015436	0.280719
MYB;SLC2A12	-0.29491	-2.44286	0.01559	0.281603
	-0.18076	-2.44372	0.015554	0.281316
EDF1	0.228873	2.445197	0.015492	0.281026
	-0.27257	-2.44079	0.015676	0.282052
	0.241402	2.441904	0.01563	0.281756
	0.264172	2.441409	0.01565	0.281927
	0.231508	2.440761	0.015677	0.282061
	-0.30709	-2.43866	0.015766	0.282658
	-0.24107	-2.44211	0.015621	0.281756
LOH12CR1	-0.25185	-2.44208	0.015622	0.281756
CECR2	-0.36998	-2.44393	0.015545	0.281278
RAPGEF4;ENSG00000091436;SLC25A12	-0.34528	-2.44168	0.015639	0.281846
	0.3012	2.443837	0.015549	0.281298
	0.246823	2.44475	0.015511	0.281072
	-0.26826	-2.43826	0.015783	0.282658
	0.249363	2.442741	0.015595	0.281603
NEBL	0.245578	2.443746	0.015553	0.281316
	0.358135	2.444342	0.015528	0.281207
KIAA0556;GTF3C1;IL21R;KDM8;NSMCE1	0.288226	2.444719	0.015512	0.281072
CACNA1A	-0.28311	-2.44066	0.015682	0.282102
	0.180022	2.43826	0.015783	0.282658
PLEKHJ1;DOT1L;ATP8B3;SBNO2	-0.30829	-2.44431	0.015529	0.281217
	0.288856	2.440688	0.01568	0.282096
	0.216055	2.443917	0.015546	0.281278
	0.222511	2.445726	0.015471	0.280838
	-0.26937	-2.44459	0.015518	0.28109
TMEM17;MDH1	0.346974	2.438279	0.015782	0.282658
ENSG00000226321;ENSG00000223991;SNED1;ANKMY1;PASK	-0.33874	-2.44272	0.015596	0.281603
	0.317141	2.442176	0.015618	0.281756

PCDHGC3;SPRY4;PCDHGA2;PCDHGA5;PCDHB12;PCDHB7;PCDHB11;PCDHB10;PCDHGB2;PCDHGA3;PCDHB9;PCDHB16;PCDH12;PCDHB13;PCDHGA4;PCDHGB6;PCDHGA12;PCDHAC1	0.216412	2.442466	0.015606	0.281715
	0.227052	2.441544	0.015645	0.281911
	0.243897	2.443916	0.015546	0.281278
	0.150888	2.440312	0.015696	0.282186
	0.31939	2.444876	0.015506	0.281072
	0.216205	2.445096	0.015497	0.281026
	-0.39523	-2.44269	0.015597	0.281603
	-0.18858	-2.44353	0.015562	0.281416
	0.300011	2.440325	0.015696	0.282186
ATP6V0D1;SMPD3;SNTB2;FAM65A;TSNAXIP1;CDH1;TANGO6;GFOD2;SLC12A4;ENKD1;ZDHHC1;PSMB10;NIP7;LCAT;ENSG00000203401	0.19446	2.441786	0.015634	0.281799
	0.1568	2.439194	0.015743	0.282475
	-0.18887	-2.4372	0.015827	0.282913
	0.308209	2.442977	0.015585	0.281603
	0.124253	2.443469	0.015564	0.281447
	0.40908	2.442902	0.015588	0.281603
PEAK1;ADAMTS7P3;TBC1D2B;TSPAN3	0.143717	2.440874	0.015673	0.282023
CASKIN2;ST6GALNAC1;PRPSAP1;SMIM5;SPHK1;MXRA7;UNC13D;TRIM65;GALK1;ICT1;RNF157-AS1;SMIM6;ST6GALNAC2;SLC16A5;FDXR;CYGB;UBALD2;SLC9A3R1	-0.23207	-2.44281	0.015592	0.281603
	-0.2444	-2.44579	0.015468	0.280838
	0.270018	2.44217	0.015618	0.281756
	-0.36675	-2.44602	0.015458	0.280836
	0.328468	2.445174	0.015493	0.281026
	-0.18564	-2.44484	0.015507	0.281072
ZNF831	-0.18463	-2.44055	0.015686	0.282147
	-0.22518	-2.44195	0.015628	0.281756
	0.216472	2.444837	0.015507	0.281072
	0.358506	2.444037	0.015541	0.281278
	0.321999	2.443944	0.015544	0.281278
	0.229591	2.444591	0.015518	0.28109
	0.384325	2.443827	0.015549	0.281298
	0.211071	2.438168	0.015786	0.282658
ASB5	-0.34548	-2.44311	0.015579	0.281564
SCN7A;GALNT3;TTC21B;ENSG00000235192;SCN9A	-0.4985	-2.44267	0.015598	0.281612
PLEKHA7;OR7E14P;NUCB2	-0.32215	-2.43592	0.015882	0.283152
	-0.22766	-2.43522	0.015911	0.283349
FAM76B	0.225472	2.439917	0.015713	0.282284
	-0.15084	-2.44287	0.015589	0.281603
	0.28277	2.440976	0.015668	0.282012
TPPP;TRIP13;ZDHHC11;AHRR	0.424055	2.442865	0.015589	0.281603
ZNF831	-0.27004	-2.44413	0.015537	0.281278

	-0.23785	-2.44221	0.015617	0.281756
SMC1B	-0.2521	-2.44373	0.015553	0.281316
IQCE;TTYH3;GNA12	0.367806	2.443976	0.015543	0.281278
	-0.2055	-2.44237	0.01561	0.28174
STK10;BNIP1;RPL26L1;DUSP1	-0.27623	-2.43819	0.015785	0.282658
	0.254997	2.441927	0.015629	0.281756
	-0.3007	-2.44544	0.015482	0.280952
	0.298903	2.441284	0.015655	0.281927
DEF6	-0.32724	-2.44307	0.015581	0.281569
	-0.21004	-2.44478	0.01551	0.281072
PCDH18	-0.35483	-2.44277	0.015593	0.281603
SCO1;LINC00675;LINC00670	-0.28175	-2.44244	0.015607	0.281726
	-0.28044	-2.44187	0.015631	0.281758
	0.170479	2.442962	0.015585	0.281603
C4A;ENSG00000225914;NOTCH4	-0.33887	-2.44113	0.015662	0.281948
CTSF;CD248;LTBP3;EFEMP2;DPP3;PELI3;YIF1A	0.272257	2.432996	0.016006	0.283804
C7orf57;ABCA13;UPP1;PKD1L1	-0.27179	-2.43721	0.015827	0.282913
	0.294999	2.441976	0.015627	0.281756
	-0.28562	-2.43979	0.015718	0.2823
	0.202233	2.439103	0.015747	0.282475
	0.213046	2.442636	0.015599	0.281623
	0.24615	2.441451	0.015648	0.281927
	-0.32279	-2.43945	0.015732	0.282446
	-0.18902	-2.44139	0.015651	0.281927
GRK5;CASC2;RAB11FIP2	0.260351	2.443995	0.015542	0.281278
CXCR6;CCR5;LZTFL1;CCR2	-0.33967	-2.44533	0.015487	0.280988
C1orf222;MORN1;TTLL10;TTC34;TTLL10-AS1;ANKRD65;ENSG00000269896;ENSG00000272106;ENSG00000272420;TNFRSF18;C1orf233;FAM213B;ENSG00000238164;TMEM52	-0.44286	-2.44494	0.015503	0.281069
	0.226214	2.439845	0.015716	0.2823
	0.252977	2.441903	0.01563	0.281756
CTSW;SLC25A45	-0.33068	-2.44397	0.015543	0.281278
	0.207233	2.439467	0.015732	0.282444
	0.360448	2.443093	0.01558	0.281564
	0.233086	2.442737	0.015595	0.281603
WHSC1;SPON2	-0.28206	-2.43921	0.015743	0.282475
	0.259156	2.444075	0.015539	0.281278
	0.158512	2.443826	0.015549	0.281298
ALS2CR12;CFLAR;AOX1;CASP8;SPATS2L	-0.3475	-2.43503	0.015919	0.283394
PEA15	-0.28296	-2.44114	0.015661	0.281948
	0.178	2.441974	0.015627	0.281756
RAB37	-0.21326	-2.43953	0.015729	0.282422
	0.247547	2.437616	0.01581	0.282816
	-0.11579	-2.43813	0.015788	0.282662
ZNF234;ZNF221;ERCC1;PVRL2	0.203299	2.442773	0.015593	0.281603
LINC00472	0.185485	2.444129	0.015537	0.281278

	-0.29877	-2.44458	0.015518	0.28109
PIWIL4	0.230019	2.43778	0.015803	0.282793
	0.348007	2.444194	0.015534	0.281271
	-0.3422	-2.44127	0.015656	0.281927
	-0.38281	-2.44157	0.015644	0.281905
	0.237483	2.441999	0.015626	0.281756
ADPRHL2;C1orf216;COL8A2;OSCP1;TEKT2;AGO3;KIAA0319L;EN				
SG00000201448;ENSG00000232862;THRAP3;MAP7D1;GRIK3	-0.30974	-2.43921	0.015742	0.282475
	0.30325	2.440503	0.015688	0.282169
	-0.28094	-2.43987	0.015715	0.2823
	0.240085	2.441182	0.01566	0.281948
GRAMD2	0.254053	2.443374	0.015568	0.281483
MNT;SERPINF1	-0.25904	-2.43918	0.015744	0.282475
	0.188235	2.441698	0.015638	0.281842
	0.279669	2.442271	0.015614	0.281756
	-0.28073	-2.44109	0.015663	0.281953
	-0.30651	-2.44272	0.015596	0.281603
	0.451124	2.444972	0.015502	0.281063
SDC4;TOX2;OSER1;JPH2;TOMM34;SYS1;IFT52;WISP2;GDAP1L1;				
SRSF6	-0.32571	-2.43933	0.015737	0.282475
	-0.2635	-2.44193	0.015629	0.281756
SARDH;SLC2A6;GBGT1;ADAMTSL2	-0.2162	-2.44315	0.015578	0.281564
	0.143816	2.441963	0.015627	0.281756
MYD88	0.237637	2.436808	0.015844	0.283029
	0.205667	2.438908	0.015755	0.282557
	0.193476	2.435841	0.015885	0.283152
AGR2;ENSG00000236318;AGR3;RAD17P1;TSPAN13	-0.25167	-2.43823	0.015784	0.282658
ENSG00000179038	-0.21304	-2.44014	0.015703	0.282204
	-0.22351	-2.44047	0.01569	0.282171
	-0.30258	-2.44223	0.015616	0.281756
	0.198819	2.43915	0.015745	0.282475
CEP70;FAIM	0.24874	2.440443	0.015691	0.282171
	-0.19863	-2.44212	0.01562	0.281756
	0.224778	2.440921	0.015671	0.282012
RASSF5	-0.23455	-2.44135	0.015653	0.281927
TTYH2;SSTR2;SLC39A11	-0.35279	-2.4396	0.015726	0.28238
PRDM16;ENSG00000272235	0.267612	2.439165	0.015744	0.282475
	-0.33596	-2.44237	0.01561	0.28174
SPAG1	0.248828	2.441891	0.01563	0.281756
ZBP1	0.293749	2.440492	0.015689	0.282169
	0.227086	2.440107	0.015705	0.282204
	-0.32376	-2.4423	0.015613	0.281756
RBMS3	-0.29556	-2.4354	0.015903	0.283301
	0.240874	2.443173	0.015577	0.281564
	-0.40504	-2.43735	0.015821	0.282871
	-0.32794	-2.44133	0.015653	0.281927

	0.143827	2.441052	0.015665	0.281972
BZW1;NDUFB3;ENSG00000213090	0.292961	2.440233	0.0157	0.282204
	0.29276	2.438988	0.015752	0.282531
	-0.276	-2.44111	0.015663	0.281953
	0.140433	2.443052	0.015582	0.281571
LRRC59	-0.26927	-2.44124	0.015657	0.281927
	0.291353	2.443211	0.015575	0.281564
	0.362634	2.432368	0.016033	0.284053
SLC45A1;CAMTA1	-0.42252	-2.4391	0.015747	0.282475
	-0.15438	-2.43667	0.01585	0.283064
HUS1	0.282551	2.444007	0.015542	0.281278
	0.219512	2.43697	0.015837	0.28299
	0.257531	2.437242	0.015825	0.282913
	0.212885	2.440102	0.015705	0.282204
	0.246057	2.440044	0.015707	0.282222
	0.300201	2.4297	0.016147	0.284707
	0.181779	2.439703	0.015722	0.282337
	0.224247	2.439314	0.015738	0.282475
	-0.21756	-2.43855	0.01577	0.282658
	0.290251	2.440856	0.015673	0.282025
	0.295789	2.441805	0.015634	0.281797
	0.152933	2.440203	0.015701	0.282204
SLC22A17;RBM23;REM2;MRPL52;PRMT5	-0.28032	-2.43911	0.015747	0.282475
	-0.26054	-2.43693	0.015839	0.282995
PEX11G;TNFSF14	0.25521	2.440901	0.015672	0.282015
HMHA1	-0.29423	-2.44093	0.01567	0.282012
EFTUD1P1;UBE2Q2P1	-0.35808	-2.44132	0.015654	0.281927
CUEDC1	-0.34416	-2.44325	0.015573	0.281553
	-0.18959	-2.43783	0.015801	0.282783
HBA1	0.264456	2.440572	0.015685	0.282144
	-0.25774	-2.44006	0.015707	0.28222
HMHA1;ARID3A	-0.2594	-2.43991	0.015713	0.282284
RLTPR;FAM65A;CES4A;ZDHHC1;TPPP3;ENKD1;CES2;ATP6V0D1	-0.21766	-2.44141	0.01565	0.281927
	-0.25692	-2.43759	0.015811	0.282816
	0.311786	2.437154	0.015829	0.282923
EP400	-0.20673	-2.43598	0.015879	0.283152
	-0.19714	-2.4415	0.015646	0.281927
MDH1	0.240878	2.436046	0.015876	0.283152
GMPPA	0.249975	2.440969	0.015669	0.282012
	-0.20727	-2.43781	0.015802	0.282786
	0.317767	2.441919	0.015629	0.281756
VSTM2L;RPRD1B;KIAA1755;SAMHD1;RALGAPB;SOGA1;DLGAP4	-0.27908	-2.43752	0.015814	0.282816
	0.184472	2.438298	0.015781	0.282658
	0.186323	2.438355	0.015778	0.282658
LPCAT1;PDCD6;TPPP;TRIP13;MRPL36;SDHA	-0.33188	-2.43495	0.015923	0.283417

	0.26239	2.439123	0.015746	0.282475
C1orf216;CSF3R	-0.27606	-2.4352	0.015912	0.283349
TRNP1;RCC1;MED18	-0.29247	-2.43926	0.01574	0.282475
	0.357457	2.439272	0.01574	0.282475
	-0.36743	-2.44011	0.015705	0.282204
	0.215618	2.437871	0.015799	0.282772
	0.408129	2.439791	0.015718	0.2823
	-0.15428	-2.43688	0.015841	0.283014
	0.269072	2.440377	0.015693	0.282186
	0.253796	2.438628	0.015767	0.282658
	0.122975	2.441637	0.015641	0.281864
	-0.19859	-2.44024	0.015699	0.282204
TSPAN18	-0.22421	-2.43509	0.015916	0.283369
	0.259796	2.441158	0.015661	0.281948
HEPACAM2	0.271008	2.438671	0.015765	0.282658
	0.341357	2.440205	0.015701	0.282204
	0.323479	2.439645	0.015724	0.282367
	0.237294	2.438435	0.015775	0.282658
	0.21598	2.439498	0.01573	0.282432
	0.208687	2.440315	0.015696	0.282186
SHANK2	0.265317	2.438335	0.015779	0.282658
	0.158335	2.437356	0.015821	0.282871
	-0.13785	-2.43514	0.015915	0.283358
	0.283565	2.439177	0.015744	0.282475
	0.27415	2.438186	0.015786	0.282658
	0.291251	2.437663	0.015808	0.282816
	0.130634	2.435279	0.015909	0.283336
	0.236235	2.437847	0.0158	0.282778
	0.205027	2.438167	0.015786	0.282658
IL34;PHLPP2;CHST4;HYDIN;MARVELD3;COG4;NQO1;ST3GAL2;E				
NSG00000262890;ZNF19;WWP2	0.302012	2.43354	0.015983	0.283689
	0.226038	2.438456	0.015774	0.282658
	0.237705	2.437117	0.015831	0.282927
ZAP70;INPP4A;YWHAQP5;MGAT4A	0.239794	2.438516	0.015772	0.282658
	-0.20244	-2.43976	0.015719	0.282302
	0.196928	2.438546	0.01577	0.282658
ENSG00000228037	-0.42335	-2.44125	0.015657	0.281927
	-0.44587	-2.43919	0.015743	0.282475
PDGFRB;SYNPO;HMGXB3;CSNK1A1;MYOZ3;ANXA6;ARSI;NDST1	-0.33294	-2.43572	0.01589	0.283202
	-0.2809	-2.43749	0.015815	0.282816
	-0.40606	-2.44127	0.015656	0.281927
KIAA1244;REPS1;NHSL1	0.34886	2.44032	0.015696	0.282186
ENSG00000262973	-0.42819	-2.43985	0.015715	0.2823
FLNB	0.269168	2.437024	0.015835	0.282962
	-0.26122	-2.4401	0.015705	0.282204
HKR1	0.159733	2.440099	0.015705	0.282204

	0.312708	2.438359	0.015778	0.282658
	0.194927	2.438151	0.015787	0.282658
TXNDC9;C2orf15	0.340929	2.437938	0.015796	0.282745
ARHGEF10	0.237713	2.429215	0.016168	0.284852
	0.237457	2.440327	0.015696	0.282186
SLC44A4;NELFE;NOTCH4;CLIC1;C6orf10;HSPA1A;HNRNPA1P2;ENSG00000225914	-0.27151	-2.43754	0.015813	0.282816
	0.376024	2.436156	0.015871	0.283145
	-0.51183	-2.43753	0.015813	0.282816
	-0.16904	-2.43748	0.015815	0.282816
	-0.28693	-2.44037	0.015694	0.282186
MISP;ARID3A;HMHA1;MOB3A;FSTL3;GPX4;SHC2	-0.28079	-2.43912	0.015746	0.282475
	0.208424	2.435646	0.015893	0.283235
RAET1E;LRP11;PPP1R14C;ENSG00000268592	-0.25609	-2.43006	0.016131	0.284586
	0.226782	2.436221	0.015869	0.283145
	-0.26672	-2.43853	0.015771	0.282658
	-0.26103	-2.43487	0.015926	0.283424
ARID3A;HMHA1;MISP;MOB3A;PPAP2C;SHC2;FSTL3	-0.22927	-2.43557	0.015896	0.283268
	0.237714	2.434491	0.015942	0.283542
	0.250194	2.438147	0.015787	0.282658
	0.179693	2.432964	0.016007	0.283804
	-0.45999	-2.43903	0.01575	0.282516
	0.324298	2.4401	0.015705	0.282204
	-0.28386	-2.43707	0.015833	0.282937
RHEB;GIMAP8	0.300473	2.438224	0.015784	0.282658
SETD3	0.134132	2.438828	0.015759	0.282606
KIAA1841;BCL11A;PEX13	-0.38828	-2.43121	0.016082	0.284308
	0.351625	2.436124	0.015873	0.283145
SYT8;TNNI2	0.412101	2.439957	0.015711	0.282276
	0.227129	2.441438	0.015649	0.281927
GAS6;TMEM255B	0.249226	2.435862	0.015884	0.283152
	-0.17719	-2.43821	0.015785	0.282658
MS4A8;RAB3IL1;FADS3;DAK;LRRN4CL;SCGB2A1;C11orf48;LRRC10B;CYB561A3;TMEM216;PPP1R32;EML3;TMEM138;ENSG00000257052;PTGDR2;FADS2;AHNAK;TMEM258	-0.27539	-2.43653	0.015856	0.283102
C17orf75	-0.22006	-2.43983	0.015716	0.2823
	-0.26651	-2.4359	0.015882	0.283152
	0.174751	2.438373	0.015778	0.282658
	0.351437	2.43804	0.015792	0.282692
	0.155106	2.437198	0.015827	0.282913
ARHGEF15;USP43;CTC1;WDR16	-0.28222	-2.43896	0.015753	0.282531
	-0.37943	-2.43924	0.015741	0.282475
	0.267895	2.43756	0.015812	0.282816
PTK2B;NUGGC	-0.32069	-2.43878	0.01576	0.282615
	0.243002	2.43657	0.015854	0.283093
	0.19549	2.434937	0.015923	0.283417
	0.237617	2.436432	0.01586	0.283126

	0.122741	2.433681	0.015977	0.283668
PDE6B;ENSG00000272927	-0.2315	-2.43597	0.015879	0.283152
	-0.18489	-2.43311	0.016001	0.28377
RN7SL674P	-0.17383	-2.43367	0.015977	0.283668
	0.308753	2.437349	0.015821	0.282871
	0.264571	2.434976	0.015921	0.283411
	0.227327	2.432717	0.016018	0.283883
	0.204427	2.435923	0.015881	0.283152
	-0.31993	-2.43506	0.015918	0.283386
	0.258477	2.437088	0.015832	0.282937
RABGAP1L;RFWD2	0.299658	2.437294	0.015823	0.282888
	0.249696	2.438188	0.015786	0.282658
TACR1;BOLA3;DQX1	-0.35164	-2.43416	0.015956	0.283593
	0.332762	2.439783	0.015718	0.2823
KLHDC7B	0.212221	2.438091	0.01579	0.282669
	-0.23423	-2.43864	0.015767	0.282658
ERGIC3	0.273767	2.436454	0.015859	0.283126
NDUFAF2	-0.17494	-2.43479	0.01593	0.283424
ZKSCAN1;ZNF3;PCOLCE;ZCWPW1;RABL5;ZNHIT1;AP1S1;GAL3S				
T4;STAG3	-0.30534	-2.43313	0.016	0.28377
	0.189176	2.438469	0.015774	0.282658
MMRN2;LDB3;SNCG	-0.29061	-2.43928	0.015739	0.282475
	0.37909	2.437761	0.015804	0.282795
	0.281887	2.429033	0.016176	0.284852
	0.295632	2.437517	0.015814	0.282816
	0.231909	2.436956	0.015838	0.28299
	0.208253	2.438215	0.015784	0.282658
	-0.2949	-2.43287	0.016011	0.283847
	-0.25351	-2.43831	0.01578	0.282658
	-0.15475	-2.43368	0.015976	0.283668
APBB1;TRIM22;CNGA4	0.214332	2.436574	0.015854	0.283093
	0.275306	2.437879	0.015799	0.282772
	-0.34169	-2.43826	0.015783	0.282658
SEMA3G	0.179559	2.43162	0.016065	0.28422
FMNL3;SPATS2;DDX23;ASIC1;TMBIM6;FAIM2;LMBR1L;TUBA1C	-0.43392	-2.43621	0.015869	0.283145
WWC2;RWDD4;DCTD	-0.33713	-2.43854	0.015771	0.282658
	-0.34052	-2.43531	0.015907	0.283336
	0.272611	2.436352	0.015863	0.283145
HCP5	-0.25069	-2.43775	0.015804	0.282795
	0.311865	2.432021	0.016047	0.284092
	0.156568	2.437694	0.015806	0.282816
ENSG00000231980;ENSG00000233038;ENSG00000222012	0.33356	2.438736	0.015762	0.28264
	0.213684	2.428757	0.016188	0.284903
	0.120578	2.435291	0.015908	0.283336
	0.239299	2.436135	0.015872	0.283145
	0.253626	2.438585	0.015769	0.282658

PROM1;FGFBP2;BST1;CC2D2A	-0.32646	-2.43047	0.016114	0.284519
	0.249029	2.437494	0.015815	0.282816
	0.263806	2.435229	0.015911	0.283349
ZNF688;ZNF843	0.119755	2.437134	0.01583	0.282926
	0.303375	2.432408	0.016031	0.284046
	0.335424	2.434326	0.015949	0.283591
IGF2;TSPAN4;MRPL23;TALDO1	-0.29432	-2.43312	0.016	0.28377
	-0.32867	-2.43486	0.015927	0.283424
	1.544767	2.440683	0.015681	0.282096
	0.111455	2.436082	0.015875	0.283152
P2RX7;OASL	0.298084	2.436897	0.01584	0.283011
	-0.25995	-2.43655	0.015855	0.283096
	0.296901	2.433651	0.015978	0.283668
	-0.47949	-2.43615	0.015872	0.283145
CNOT11;RFX8;TMEM182;TBC1D8;RNF149	-0.27495	-2.43555	0.015897	0.283268
	0.281388	2.436569	0.015854	0.283093
THEM4;PLEKHO1;BNIPL;CGN;ADAMTSL4;GOLPH3L;ENSA;MRPS 21;SELENBP1;POGZ;FAM63A;SEMA6C;PSMD4;PSMB4	-0.30294	-2.43479	0.01593	0.283424
VTCN1	0.299572	2.436036	0.015876	0.283152
KIF6;DAAM2;MOCS1	-0.36373	-2.43716	0.015829	0.282923
	-0.25609	-2.43665	0.01585	0.283064
	0.23364	2.435539	0.015898	0.283268
	-0.2446	-2.43589	0.015883	0.283152
	-0.29938	-2.43844	0.015775	0.282658
	-0.36894	-2.43338	0.015989	0.283689
	-0.24008	-2.43602	0.015877	0.283152
	0.232691	2.430547	0.016111	0.28448
TMSB10	-0.2089	-2.43583	0.015885	0.283152
	-0.28689	-2.43557	0.015896	0.283268
	0.234905	2.43477	0.01593	0.283424
	-0.2717	-2.43671	0.015848	0.283063
	0.273318	2.433893	0.015968	0.283668
	-0.26768	-2.4355	0.015899	0.283274
HERC1;TLN2;CA12;ENSG00000259498;FBXL22	-0.3249	-2.4329	0.01601	0.283835
	-0.19285	-2.43618	0.01587	0.283145
	0.232246	2.433871	0.015968	0.283668
ZNF876P	-0.32312	-2.438	0.015793	0.282711
COL16A1;SDC3	-0.30569	-2.43584	0.015885	0.283152
	0.378979	2.434029	0.015962	0.28362
CD86	0.214406	2.436183	0.01587	0.283145
CYBRD1	0.30834	2.4342	0.015954	0.283593
	0.219326	2.436779	0.015845	0.283029
	0.262696	2.437596	0.015811	0.282816
	-0.33231	-2.43683	0.015843	0.283029
	0.159583	2.430586	0.016109	0.284462
HOXA5;HOXA3	0.320778	2.435213	0.015911	0.283349

	0.207026	2.435307	0.015907	0.283336
TRIM5;APBB1	0.179937	2.432111	0.016044	0.284085
UQCC2;PFDN6;ZBTB9	0.245754	2.436202	0.015869	0.283145
	-0.22736	-2.43809	0.01579	0.282669
	-0.18745	-2.43333	0.015992	0.283689
HK2;MTHFD2;DQX1	-0.29439	-2.43666	0.01585	0.283064
HCP5;HLA-B;HLA-DRA;HLA-C;HSPA1A;LTB;MICB	0.514374	2.436794	0.015844	0.283029
PTPRS;LRG1;GIPC3;PLIN4	-0.23839	-2.43642	0.01586	0.283126
RPL21P28;INTS7	0.236342	2.435168	0.015913	0.283352
	-0.30177	-2.4367	0.015848	0.283063
	0.27351	2.436242	0.015868	0.283145
UBXN11;CD164L2;NUDC;ENSG00000237429;FCN3;FAM76A;W				
DTC1;CNKSR1;HMGN2;ZDHHC18	-0.20898	-2.43457	0.015939	0.283521
MAK;C6orf52;TMEM14B	-0.3828	-2.43752	0.015814	0.282816
TSPAN4;MRPL23;IGF2;MOB2;TSPAN32	-0.39317	-2.43569	0.015891	0.283211
	0.278205	2.433334	0.015991	0.283689
	0.340451	2.438576	0.015769	0.282658
	0.40428	2.436169	0.015871	0.283145
	-0.26731	-2.43206	0.016046	0.284086
	0.2625	2.432991	0.016006	0.283804
CSGALNACT1;SH2D4A;INTS10	0.228593	2.433515	0.015984	0.283689
	-0.27734	-2.43432	0.01595	0.283591
	0.235755	2.436168	0.015871	0.283145
RASAL3	-0.1938	-2.43516	0.015913	0.283352
	-0.32765	-2.43445	0.015944	0.283564
	-0.16783	-2.43423	0.015953	0.283593
	-0.18595	-2.43217	0.016041	0.284085
	-0.15667	-2.43234	0.016034	0.284063
	0.311853	2.437303	0.015823	0.282888
	0.260735	2.436229	0.015868	0.283145
	-0.35799	-2.4268	0.016272	0.285432
NEURL1B;RPL26L1;ENSG00000253683	0.225326	2.435423	0.015903	0.283298
	0.260985	2.434797	0.015929	0.283424
	0.319919	2.433458	0.015986	0.283689
	0.273422	2.432961	0.016007	0.283804
ENSG00000261254	-0.35751	-2.43425	0.015952	0.283591
DLG1;SLC51A;MUC4;PCYT1A	-0.28339	-2.43388	0.015968	0.283668
ARHGEF28	-0.34095	-2.4335	0.015984	0.283689
	0.216596	2.436415	0.01586	0.283126
ARHGEF10	0.321945	2.432229	0.016039	0.284085
	-0.1665	-2.43634	0.015864	0.283145
	0.326696	2.43474	0.015931	0.283424
EFCAB7	-0.24939	-2.43611	0.015873	0.283145
PAQR8;TRAM2	-0.31992	-2.43484	0.015927	0.283424
	0.21456	2.432581	0.016024	0.28395
	-0.29871	-2.43638	0.015862	0.283145
	0.301552	2.431415	0.016073	0.284281

IL32;PRSS22;PAQR4;ENSG00000262370;CCDC64B	0.321699	2.436852	0.015842	0.283021
HIST1H2BO;HIST1H1B	-0.18671	-2.43274	0.016017	0.28388
	0.377051	2.435476	0.0159	0.283276
LAMB2;DOCK3;BSN;SEMA3B;CACNA2D2;C3orf18;GPX1;RASSF1				
;HYAL2;AMT;NICN1;DALRD3	-0.52625	-2.42985	0.016141	0.284683
DOK2;GFRA2;LOXL2;REEP4;ENSG00000253837	-0.35208	-2.43748	0.015815	0.282816
CCDC88B;FERMT3;STIP1	0.223682	2.430207	0.016125	0.284562
	0.224914	2.432077	0.016045	0.284085
	-0.26494	-2.43274	0.016017	0.28388
	-0.20874	-2.43174	0.016059	0.284175
ATP8B1;TXNL1	-0.28333	-2.43474	0.015931	0.283424
ARHGAP29	0.266622	2.434337	0.015949	0.283591
NSFL1C;C20orf96;ENSG00000225377;SDCBP2	-0.20731	-2.43198	0.016049	0.284103
	0.131722	2.433841	0.01597	0.283668
	-0.1912	-2.43358	0.015981	0.283686
	0.2813	2.433563	0.015982	0.283689
	0.294705	2.43372	0.015975	0.283668
C2orf70	0.368416	2.43606	0.015875	0.283152
MRC2;ACE;MAP3K3	0.393426	2.433173	0.015998	0.28377
IQCA1	-0.39815	-2.43162	0.016065	0.28422
	-1.10699	-2.43741	0.015818	0.282858
	-0.26513	-2.43475	0.015931	0.283424
HELB;IRAK3	0.345736	2.432244	0.016038	0.284085
	0.37771	2.432045	0.016046	0.284086
	0.3465	2.43598	0.015879	0.283152
	-0.24156	-2.43179	0.016057	0.284148
	-0.19761	-2.43309	0.016002	0.283774
KIF26A;INF2;C14orf2;ENSG00000258858	-0.28926	-2.43462	0.015937	0.283491
	0.244786	2.434906	0.015924	0.283424
	-0.26437	-2.43576	0.015888	0.283196
KMT2A	-0.22028	-2.4337	0.015976	0.283668
LRRC27;TTC40;KNDC1;INPP5A;TUBGCP2	0.230914	2.428149	0.016214	0.285116
	0.251629	2.435722	0.01589	0.283202
CSRP1;LMOD1;KDM5B;TMEM183A;SHISA4;ELF3;LAD1;UBE2T;R				
ABIF;PPP1R12B;TIMM17A	-0.43001	-2.43585	0.015884	0.283152
	0.289666	2.430592	0.016109	0.284462
	0.191032	2.433793	0.015972	0.283668
	0.252108	2.4301	0.01613	0.284586
	0.129139	2.433334	0.015991	0.283689
	0.267715	2.434256	0.015952	0.283591
	0.148017	2.433452	0.015986	0.283689
	0.328539	2.434126	0.015958	0.283593
	0.224755	2.434271	0.015951	0.283591
	-0.30423	-2.43343	0.015987	0.283689
	0.239123	2.434035	0.015961	0.28362
ATP6V0E2-AS1;WDR86	0.28475	2.433904	0.015967	0.283668
	0.148824	2.430587	0.016109	0.284462

HYOU1	0.268406	2.435514	0.015899	0.283274
SLC16A1-AS1;AP4B1	-0.28756	-2.43511	0.015916	0.283369
	0.321247	2.431933	0.016051	0.284116
ENSG00000225805	-0.21885	-2.43136	0.016076	0.284293
	-0.21739	-2.43547	0.015901	0.283276
	-0.15258	-2.43016	0.016127	0.284562
	-0.30212	-2.43147	0.016071	0.284271
	-0.31399	-2.43307	0.016003	0.283781
OSR1	0.337699	2.434513	0.015941	0.283537
ICOSLG;ADARB1;LRRC3;ENSG00000267857;TRAPPC10	0.182036	2.431651	0.016063	0.284219
	0.225976	2.434348	0.015948	0.283591
	-0.21827	-2.43487	0.015926	0.283424
	0.199629	2.43237	0.016033	0.284053
C1orf168	0.321158	2.434112	0.015958	0.283593
RPL7P28;METTL24	0.32391	2.430814	0.016099	0.284383
	-0.23711	-2.43383	0.01597	0.283668
	0.116753	2.429608	0.016151	0.284713
	0.18981	2.432751	0.016016	0.28388
ZBTB9	0.242849	2.430035	0.016133	0.284586
	0.279928	2.429096	0.016173	0.284852
	0.624402	2.431836	0.016055	0.284127
	-0.20128	-2.43064	0.016107	0.284462
FXR2	0.189933	2.434408	0.015946	0.283569
	0.307386	2.430057	0.016132	0.284586
	-0.30602	-2.43501	0.01592	0.283397
	-0.2617	-2.43373	0.015974	0.283668
	-0.27032	-2.43389	0.015968	0.283668
	0.316089	2.433181	0.015998	0.28377
	-0.20359	-2.42725	0.016253	0.285353
POLD3;PPME1;MRPL48;PLEKHB1;PGM2L1;COA4;NEU3;ENSG00000254837;UCP2;DNAJB13	-0.22098	-2.42897	0.016178	0.284852
	0.270473	2.430912	0.016095	0.284383
LZTFL1;KIF9;PTH1R;CCR1	-0.24714	-2.43035	0.016119	0.284552
	-0.28789	-2.43364	0.015978	0.283668
	-0.28389	-2.43369	0.015976	0.283668
	-0.34572	-2.43338	0.015989	0.283689
	-0.30794	-2.43367	0.015977	0.283668
	-0.41887	-2.43532	0.015907	0.283336
	-0.25444	-2.43364	0.015978	0.283668
	0.371248	2.430859	0.016097	0.284383
	0.177085	2.428625	0.016193	0.284963
	0.258266	2.433369	0.01599	0.283689
	-0.27435	-2.43455	0.01594	0.283524
	-0.35364	-2.4302	0.016126	0.284562
	-0.23762	-2.43157	0.016067	0.284234
HCP5;HLA-B;HLA-DRA;MICB;PPP1R10;HSPA1A;LTB;HLA-C;PPP1R18	0.425808	2.434684	0.015934	0.283455

	0.26507	2.430897	0.016096	0.284383
RNF19B;YARS;FNDC5	-0.21375	-2.43443	0.015945	0.283564
KIF18B	-0.22982	-2.43283	0.016013	0.283867
MEAF6	0.292895	2.432093	0.016044	0.284085
	-0.21788	-2.43264	0.016021	0.283921
PTPN14	0.303805	2.427878	0.016226	0.285228
IL18R1;IL18RAP	-0.37374	-2.43421	0.015954	0.283593
	0.185704	2.429031	0.016176	0.284852
PPARGC1B;ARHGEF37	-0.30525	-2.42941	0.016159	0.28479
GSTP1;CDK2AP2	0.173428	2.429863	0.01614	0.284681
DEGS1	0.194532	2.432298	0.016036	0.284064
DUOX2	-0.23249	-2.43322	0.015996	0.283765
NKD1;ENSG00000261685;ENSG00000260029	0.346574	2.427824	0.016228	0.28524
	-0.26145	-2.43071	0.016104	0.284434
ZNF3;ZCWPW1;ZKSCAN1;EPHB4;AP4M1;KPNA7;GAL3ST4;ZNF6				
55;STAG3;TRIP6;BUD31;GNB2;MCM7;ZSCAN25;ACHE;MUC12	-0.29378	-2.43229	0.016036	0.284064
	0.306465	2.431261	0.01608	0.284308
	-0.24117	-2.4303	0.016121	0.284552
IL22RA1;STPG1;RCAN3	-0.26428	-2.43407	0.01596	0.283613
	-0.14953	-2.43017	0.016127	0.284562
	0.373596	2.433476	0.015985	0.283689
MBP	0.30572	2.431993	0.016049	0.284102
PTPN7;RNPEP	0.286004	2.433614	0.015979	0.283675
	-0.3499	-2.42883	0.016184	0.284902
	0.240522	2.434114	0.015958	0.283593
	-0.18135	-2.43277	0.016015	0.28388
	-0.16121	-2.43108	0.016088	0.284358
	0.39687	2.432311	0.016035	0.284064
PCSK4;MUM1	-0.27567	-2.43192	0.016052	0.284116
	0.183666	2.426153	0.0163	0.285611
	0.276059	2.430159	0.016127	0.284562
	0.263474	2.428423	0.016202	0.285017
ENSG00000253683	0.189253	2.432452	0.016029	0.284036
	0.284423	2.429604	0.016151	0.284713
	-0.2328	-2.43004	0.016132	0.284586
ENSG00000093100	-0.22059	-2.4315	0.01607	0.284265
	0.196565	2.431153	0.016085	0.284338
TWIST2;TRAF3IP1	-0.3405	-2.42784	0.016227	0.28524
	-0.3698	-2.42936	0.016161	0.284801
PPAP2C	0.253502	2.43211	0.016044	0.284085
	0.31833	2.434119	0.015958	0.283593
SCARNA21	0.40236	2.430621	0.016107	0.284462
	-0.34484	-2.4334	0.015989	0.283689
ZNF57;MOB3A;GNG7;AES;REEP6	0.310432	2.431866	0.016054	0.284116
	-0.38399	-2.43186	0.016054	0.284116
RNF213;SGSH;BAIAP2-AS1;PCYT2	0.208613	2.429499	0.016156	0.28477

MALT1	-0.34658	-2.4277	0.016233	0.285243
	-0.31589	-2.4307	0.016104	0.284434
ENSG00000269867	-0.23912	-2.43216	0.016042	0.284085
ZW10;RBM7	0.225465	2.430779	0.016101	0.284398
WNT4	0.301828	2.430354	0.016119	0.284552
APLNR	0.257772	2.432807	0.016014	0.283873
TBKBP1;HOXB-AS2;HOXB4;PRR15L;HOXB3	0.215064	2.426833	0.016271	0.285432
	0.21643	2.428147	0.016214	0.285116
	-0.165	-2.43134	0.016077	0.284293
	-0.26223	-2.43135	0.016076	0.284293
	-0.18616	-2.42708	0.01626	0.285395
	-0.22243	-2.43376	0.015973	0.283668
	-0.39575	-2.42674	0.016275	0.285456
	-0.27867	-2.43032	0.016121	0.284552
	-0.36876	-2.4277	0.016233	0.285243
	0.190147	2.429052	0.016175	0.284852
	0.231888	2.432079	0.016045	0.284085
MEX3D	0.205733	2.430216	0.016125	0.284562
	-0.39016	-2.43244	0.01603	0.284037
	-0.18696	-2.42624	0.016297	0.285611
	0.311856	2.430089	0.01613	0.284586
IDE	-0.20558	-2.43265	0.016021	0.283921
	-0.291	-2.43208	0.016045	0.284085
	0.274811	2.431002	0.016091	0.284363
	-0.42197	-2.42979	0.016143	0.284705
	-0.22423	-2.43105	0.016089	0.284358
ZNF618;COL27A1	-0.32185	-2.42869	0.01619	0.284934
TSPAN3;PSMA4;ADAMTS7;HYKK	0.233316	2.430965	0.016093	0.284363
CSMD2;C1orf216	0.350892	2.431126	0.016086	0.284346
PPAP2B;ENSG00000223956	0.326524	2.431033	0.01609	0.284358
BAIAP2L1;BRI3	-0.37538	-2.43299	0.016006	0.283804
	0.25108	2.429745	0.016145	0.284707
STK16	0.184893	2.431891	0.016053	0.284116
	-0.16479	-2.43155	0.016068	0.284238
	-0.24817	-2.42696	0.016265	0.285426
	-0.34016	-2.43129	0.016079	0.284308
NOVA2;EXOC3L2;ENSG00000267348;ERCC1;GEMIN7	-0.30919	-2.42749	0.016242	0.285297
	0.376036	2.433358	0.01599	0.283689
	0.19278	2.423071	0.016434	0.286427
	0.294055	2.434121	0.015958	0.283593
	0.268435	2.433149	0.015999	0.28377
ENSG00000225751	0.258962	2.430867	0.016097	0.284383
ZFAND2A	-0.19144	-2.43043	0.016116	0.284532
ENSG00000239696;RSPH10B2;RSPH10B;ENSG00000244167	-0.26261	-2.42316	0.016431	0.286421
	0.291875	2.428845	0.016184	0.284902
	0.197376	2.428415	0.016202	0.285017

	-0.19333	-2.42881	0.016185	0.284902
	0.260734	2.427996	0.016221	0.285183
	0.254778	2.424493	0.016372	0.286123
FN3KRP	0.136807	2.430465	0.016114	0.284519
	-0.26351	-2.42789	0.016225	0.285228
MCTP1	0.259114	2.430183	0.016126	0.284562
	0.346925	2.428272	0.016209	0.285091
BAK1	0.183385	2.426413	0.016289	0.285577
	0.297796	2.429433	0.016159	0.284786
ABI3	-0.36476	-2.43388	0.015968	0.283668
NEK1;CLCN3	-0.29936	-2.4261	0.016303	0.285627
	-0.38444	-2.43088	0.016096	0.284383
KCNRG;KPNA3;TRIM13;DLEU7;CDADC1;DLEU7-AS1;ST13P4	-0.31905	-2.42654	0.016283	0.285504
	0.31481	2.431048	0.016089	0.284358
	-0.20583	-2.43188	0.016054	0.284116
	-0.20794	-2.42775	0.016231	0.28524
	-0.17292	-2.42691	0.016268	0.285426
TUBA3D;PLEKHB2;POTEI;CCDC74A	0.379216	2.431446	0.016072	0.284273
TRAF1;PHF19;NDUFA8;ENSG00000214654;CNTRL;MORN5	-0.2959	-2.4303	0.016121	0.284552
HLA-F;VARS2	-0.32465	-2.42875	0.016188	0.284903
	-0.21306	-2.43121	0.016082	0.284308
ABHD17C	-0.36577	-2.43214	0.016042	0.284085
	-0.22986	-2.42321	0.016428	0.286409
	0.349377	2.427544	0.01624	0.285268
	-0.16988	-2.42787	0.016226	0.285228
	0.120277	2.42691	0.016267	0.285426
	0.214058	2.43082	0.016099	0.284383
CTBP2;DHX32;BCCIP	-0.72674	-2.42964	0.016149	0.284707
ISL1	-0.28197	-2.42981	0.016142	0.284699
	-0.18811	-2.42594	0.016309	0.285653
	-0.17123	-2.43166	0.016063	0.284219
	-0.33666	-2.42646	0.016287	0.285556
	0.368164	2.429006	0.016177	0.284852
VCAN	-0.35041	-2.42533	0.016336	0.285849
	-0.21923	-2.42846	0.0162	0.285017
MCAM;PHLDB1;KMT2A;TMPRSS4;MPZL3;UBE4A;FXYD2;CBL;FXYD6;HMBS;TREH;SCN2B;ENSG00000255176;DPAGT1;H2AFX;TMEM25;BCL9L	-0.282	-2.42968	0.016148	0.284707
ENSG00000184566;CD59;PRRG4;EHF	-0.39104	-2.43097	0.016092	0.284363
TMEM68	0.365236	2.430972	0.016092	0.284363
PABPC1L;YWHAB	0.180413	2.427584	0.016238	0.285266
	-0.13964	-2.429	0.016177	0.284852
RER1;SSU72	-0.31002	-2.43026	0.016123	0.284562
	0.199534	2.426366	0.016291	0.285589
	0.274037	2.42605	0.016305	0.285632

	0.313774	2.427164	0.016256	0.285381
	0.226475	2.428987	0.016178	0.284852
SLC2A10;SDC4;TP53RK	-0.32761	-2.42705	0.016261	0.285395
KIAA1456;ENSG00000255122;RPS3AP34;DLC1	0.210775	2.423956	0.016396	0.286251
	0.203991	2.424472	0.016373	0.286123
ADCY1;NACAD;H2AFV	-0.27432	-2.42893	0.01618	0.284871
TNFRSF10D;BIN3;ENSG00000253837;PHYHIP;RHOBTB2;BMP1	-0.3088	-2.42969	0.016148	0.284707
	0.195138	2.431583	0.016066	0.284234
	-0.21309	-2.42973	0.016146	0.284707
KRT19;JUP;KRT13;PSME3	0.227382	2.425467	0.01633	0.285842
GAS8;SPATA33	-0.36722	-2.43124	0.016081	0.284308
DIP2C	0.31323	2.432175	0.016041	0.284085
	0.256627	2.431217	0.016082	0.284308
	-0.35113	-2.43144	0.016072	0.284273
	0.238182	2.431393	0.016074	0.284285
	0.523186	2.428458	0.016201	0.285017
	0.290548	2.427735	0.016232	0.28524
RPS6KA1	-0.22769	-2.42952	0.016155	0.284764
SLBP	0.213353	2.429003	0.016177	0.284852
	0.158957	2.431078	0.016088	0.284358
	0.437014	2.426932	0.016267	0.285426
HBB;TRIM5	-0.27723	-2.42304	0.016436	0.286427
LARP6	0.277409	2.430838	0.016098	0.284383
	0.114759	2.429105	0.016173	0.284852
CYB5R1;MDM4;PPFIA4;ENSG00000227417	-0.3542	-2.42992	0.016138	0.28465
	-0.29178	-2.42425	0.016383	0.28618
TCTN1;IFT81	-0.33753	-2.42876	0.016188	0.284903
	-0.28348	-2.43033	0.01612	0.284552
	-0.17952	-2.42971	0.016147	0.284707
FOXS1;CCM2L;KIF3B;BPIFB1	-0.22137	-2.42265	0.016453	0.286505
	0.255264	2.429037	0.016176	0.284852
ENSG00000273179;SPON2;PDE6B;ZNF141;ENSG00000272927	-0.22241	-2.42759	0.016238	0.285266
	0.201422	2.428273	0.016209	0.285091
	-0.23362	-2.4288	0.016186	0.284902
	0.225802	2.42635	0.016292	0.28559
ZNF876P;ENSG00000251188;ZNF732	0.238754	2.427783	0.01623	0.28524
	0.276086	2.430358	0.016119	0.284552
	-0.32794	-2.42475	0.016361	0.28607
PRKCQ;IL15RA;IL2RA;FBXO18	-0.44592	-2.42913	0.016172	0.284852
ADCY3;DNAJC27	-0.2957	-2.42572	0.016319	0.285741
	-0.16919	-2.42538	0.016334	0.285848
	-0.18414	-2.42823	0.01621	0.285107
	-0.13987	-2.42919	0.016169	0.284852
	-0.27325	-2.43125	0.016081	0.284308
	-0.33737	-2.42411	0.016389	0.286181

SNORA23	-0.25314	-2.42659	0.016281	0.285502
SLC1A7;PODN	0.295708	2.427135	0.016258	0.285391
	-0.19475	-2.4283	0.016207	0.28509
ARID5A;KANSL3;CNNM4	-0.32752	-2.42503	0.016349	0.285944
	-0.23068	-2.42809	0.016216	0.285136
BTN3A1;BTN2A2;BTN3A3;BTN3A2;TRIM38	0.32752	2.429934	0.016137	0.28465
	-0.29881	-2.42821	0.016211	0.285116
	0.303658	2.427874	0.016226	0.285228
	-0.18587	-2.42704	0.016262	0.285395
	-0.34482	-2.42857	0.016196	0.284973
	-0.23763	-2.42197	0.016482	0.286698
	-0.33827	-2.42947	0.016157	0.28478
	0.200633	2.421207	0.016516	0.286934
	0.23385	2.427606	0.016237	0.285266
	-0.26456	-2.42861	0.016194	0.284963
	-0.29809	-2.42315	0.016431	0.286421
	-0.20801	-2.4269	0.016268	0.285426
ZNF71;PEG3;ZNF552;ZNF154;ZNF584;CHMP2A;CENPBD1P1;ZN				
F135	-0.27695	-2.42943	0.016159	0.284786
	-0.1497	-2.42554	0.016327	0.285842
	0.276383	2.428146	0.016214	0.285116
TUBE1	0.261493	2.426136	0.016301	0.285611
APLNR	0.413357	2.428604	0.016194	0.284963
FAM83H-AS1;FAM83H;ZNF34;RHPN1-				
AS1;TSTA3;ARHGAP39;C8orf31;GPIHBP1	-0.37924	-2.42905	0.016175	0.284852
SMIM19	0.200856	2.422907	0.016442	0.286466
PRR26;IDI1;DIP2C	0.312642	2.429656	0.016149	0.284707
	-0.18022	-2.42494	0.016353	0.285983
LINC00689;ENSG00000231980	-0.42283	-2.42758	0.016239	0.285266
	0.172306	2.423248	0.016427	0.286397
	0.276139	2.427433	0.016245	0.285297
	0.229268	2.425361	0.016335	0.285849
TENC1	0.311617	2.427429	0.016245	0.285297
	0.290656	2.428535	0.016197	0.284985
	-0.31839	-2.42913	0.016172	0.284852
	-0.1427	-2.42336	0.016422	0.286355
	-0.33226	-2.42883	0.016185	0.284902
	-0.29302	-2.42819	0.016212	0.285116
	0.302319	2.427757	0.016231	0.28524
	-0.27137	-2.42859	0.016195	0.284963
PKNOX2;FEZ1;KIRREL3;CDON;HYLS1	-0.28135	-2.42556	0.016326	0.285837
	-0.29809	-2.42574	0.016318	0.285741
	0.197185	2.427386	0.016247	0.285318
	-0.24291	-2.42199	0.016482	0.286698
	-0.41388	-2.42195	0.016484	0.286698
PTPRZ1	-0.2946	-2.41988	0.016574	0.287245
	0.282615	2.429305	0.016164	0.284835

	-0.337	-2.42843	0.016202	0.285017
	0.226925	2.429673	0.016148	0.284707
AACSP1	0.317814	2.428998	0.016177	0.284852
STUB1	-0.19766	-2.42745	0.016244	0.285297
	0.332124	2.424122	0.016389	0.286181
	0.149619	2.426661	0.016278	0.285483
	0.374527	2.426629	0.01628	0.285483
ZNF165;GABBR1;PGBD1;ENSG00000197062;ZSCAN12P1;TRIM27;ZKSCAN8;HCG14	-0.35138	-2.4292	0.016169	0.284852
	0.270091	2.429033	0.016176	0.284852
PIK3AP1	0.244257	2.42619	0.016299	0.285611
	0.236858	2.425958	0.016309	0.285653
NEK10;MINOS1P3;ENSG00000221573	0.193789	2.42731	0.01625	0.285339
	0.185417	2.426542	0.016283	0.285504
	0.194385	2.426043	0.016305	0.285632
TMEM136	0.186095	2.426817	0.016271	0.285432
	0.285447	2.424207	0.016385	0.286181
SP140;SP100	0.294194	2.42271	0.01645	0.286489
	-0.18341	-2.426	0.016307	0.285643
TMC8;C1QTNF1;TIMP2	-0.26623	-2.42638	0.01629	0.285589
	0.174965	2.42373	0.016406	0.286321
GPR176;ENSG00000261183;SPINT1;DLL4;FSIP1	-0.28346	-2.42892	0.016181	0.284871
	0.201926	2.427296	0.016251	0.285339
ENSG00000260261	0.21208	2.422495	0.01646	0.286535
	-0.23686	-2.42717	0.016256	0.285381
	0.273553	2.422504	0.016459	0.286535
ADD2;DYSF	-0.31937	-2.42675	0.016274	0.285456
	0.179207	2.425475	0.01633	0.285842
	0.28181	2.424641	0.016366	0.286093
	0.191926	2.425378	0.016334	0.285848
	0.164015	2.425726	0.016319	0.285741
LAMTOR2	0.182228	2.423435	0.016419	0.286321
	0.289264	2.419457	0.016593	0.287324
	0.285473	2.429371	0.016161	0.284801
	0.158723	2.424489	0.016373	0.286123
CGNL1;MYO1E;LINC00926	-0.3998	-2.42435	0.016378	0.286136
	0.232284	2.423474	0.016417	0.286321
	-0.20283	-2.42504	0.016349	0.285944
	0.12685	2.42344	0.016418	0.286321
	0.305887	2.427551	0.01624	0.285268
RAPGEF4;CHN1;CIR1;ENSG00000091436;MLK7-AS1;GPR155	0.257426	2.423445	0.016418	0.286321
RER1;DFFB	0.206322	2.424402	0.016376	0.286123
	-0.20642	-2.4253	0.016337	0.285849
	0.216051	2.420146	0.016563	0.287188
	-0.47552	-2.42774	0.016231	0.28524
	0.297181	2.42542	0.016332	0.285848

	0.351647	2.425386	0.016334	0.285848
ARHGDIB;PLBD1;RERG	-0.43675	-2.42912	0.016172	0.284852
	0.271271	2.425958	0.016309	0.285653
	-0.18857	-2.42454	0.01637	0.286122
RASAL3	0.268586	2.425776	0.016317	0.285741
H3F3AP6	-0.19058	-2.42351	0.016415	0.286321
	-0.14812	-2.42517	0.016343	0.285924
FAM83H-AS1;ZNF34	-0.24544	-2.42803	0.016219	0.285169
ENSG00000248222;SLIT3;DOCK2;FAM196B	-0.44586	-2.42631	0.016294	0.285609
HMHA1	-0.22283	-2.42719	0.016255	0.285381
ZCCHC8	0.262321	2.420569	0.016544	0.287082
	0.32816	2.427578	0.016239	0.285266
ENSG00000229951	-0.3873	-2.42732	0.01625	0.285339
	0.256426	2.423476	0.016417	0.286321
EGFL7;GPSM1;NOTCH1;SETP5;UAP1L1	0.212246	2.424865	0.016356	0.286028
DERL3;ADORA2A	0.288216	2.427065	0.016261	0.285395
	0.176424	2.426032	0.016305	0.285632
	0.261926	2.422684	0.016451	0.286496
ABHD11;LAT2	-0.27986	-2.42684	0.016271	0.285432
	0.205996	2.424732	0.016362	0.28607
ENSG00000235920	-0.33253	-2.42774	0.016231	0.28524
	0.224827	2.425674	0.016321	0.285764
RPP40;NRN1;CDYL	-0.31639	-2.42654	0.016284	0.285504
SPOCK2;ENSG00000227540;MRPS16	-0.42076	-2.42539	0.016333	0.285848
	-0.28336	-2.4271	0.016259	0.285395
DOK2;STC1;LOXL2	-0.35234	-2.42206	0.016479	0.28669
	0.17964	2.422627	0.016454	0.286505
	0.281481	2.426144	0.016301	0.285611
	0.38721	2.423461	0.016417	0.286321
BVES;RTN4IP1	-0.35605	-2.42665	0.016279	0.285483
	-0.15466	-2.42336	0.016422	0.286355
	-0.30812	-2.4228	0.016446	0.286482
	0.259572	2.426221	0.016297	0.285611
ENSG00000234222;ENSG00000231360;POLR3C;NBPF9	-0.25555	-2.42684	0.016271	0.285432
DNM3;MROH9;ENSG00000271811;PRRX1;FMO4;PRRC2C	-0.28187	-2.42012	0.016564	0.287188
ZNF429;ENSG00000268416;ENSG00000268119;ZNF493;ZNF62				
6	-0.43313	-2.42509	0.016347	0.285944
CKAP4;NUAK1	-0.19591	-2.42017	0.016562	0.287188
	0.283196	2.423927	0.016397	0.286251
	0.306397	2.425508	0.016328	0.285842
	0.197987	2.422827	0.016445	0.286482
	0.310301	2.423058	0.016435	0.286427
	-0.17357	-2.42258	0.016456	0.28651
	-0.2524	-2.42412	0.016389	0.286181
	-0.21815	-2.42472	0.016363	0.28607
	0.197548	2.418246	0.016646	0.287528
	-0.38001	-2.42624	0.016297	0.285611

R3HDM1	0.162033	2.423701	0.016407	0.286321
ENSG00000261269;ARHGEF28;ZNF366	0.27236	2.424144	0.016388	0.286181
GNG7;MOB3A;S1PR4	-0.25876	-2.42414	0.016388	0.286181
STMN3;SLC2A4RG	-0.19687	-2.42663	0.016279	0.285483
	-0.21807	-2.42472	0.016363	0.28607
ENSG00000233954	0.19182	2.423815	0.016402	0.286301
	0.266994	2.423136	0.016432	0.286421
	0.150671	2.415551	0.016766	0.288044
	0.224073	2.424788	0.01636	0.28607
	0.309369	2.424495	0.016372	0.286123
	0.165668	2.426255	0.016296	0.285611
	0.209784	2.42732	0.01625	0.285339
C4orf19	-0.35101	-2.42415	0.016388	0.286181
	0.296991	2.425463	0.01633	0.285842
	0.294123	2.421073	0.016522	0.286961
	0.268362	2.424412	0.016376	0.286123
	-0.4462	-2.42695	0.016266	0.285426
	-0.24041	-2.42621	0.016298	0.285611
TEP1;TTC5;RPPH1	-0.2885	-2.42155	0.016501	0.286822
	0.24126	2.424336	0.016379	0.286138
CRNDE;IRX5	-0.21269	-2.42581	0.016315	0.285741
	-0.30925	-2.42502	0.01635	0.285944
SLC25A42;B3GNT3;KLHL26;ISYNA1	-0.50308	-2.42393	0.016397	0.286251
C22orf34	-0.30963	-2.42455	0.01637	0.286122
	-0.16416	-2.42725	0.016253	0.285353
ENSG00000163075;INHBB;ENSG00000229326;GLI2;RALB	-0.20388	-2.42225	0.01647	0.286638
	0.228682	2.42465	0.016366	0.286093
TRAK2;ALS2CR12;ALS2	-0.32959	-2.42811	0.016216	0.285133
SNX29P2	-0.16202	-2.42531	0.016337	0.285849
	0.357224	2.425263	0.016339	0.285866
	0.208739	2.422592	0.016455	0.28651
COTL1;IRF8;ENSG00000261471;ATP2C2;TLDC1	-0.25291	-2.42747	0.016243	0.285297
	0.16989	2.427038	0.016262	0.285395
	0.253163	2.427611	0.016237	0.285266
	-0.15759	-2.42213	0.016476	0.286667
	-0.3657	-2.42617	0.0163	0.285611
KCNMA1	0.188899	2.421577	0.0165	0.286822
	-0.20191	-2.42081	0.016534	0.287004
	0.17874	2.421471	0.016504	0.286839
	0.267273	2.423486	0.016416	0.286321
	-0.25937	-2.42608	0.016304	0.285632
	0.313397	2.425027	0.016349	0.285944
RRN3P1	-0.41537	-2.42573	0.016318	0.285741
INF2;C14orf79;KIAA0125;IGHV3-23;IGHV3-21;IGHJ3P;IGHG2;ADSSL1;IGHM;IGHV3-7;IGHA1;IGHG1;IGHG4;IGHV1-2;IGHA2;IGHV3-15;IGHV4-39;IGHV4-34;IGHG3	-0.23938	-2.41841	0.016639	0.287477

	0.346511	2.423755	0.016405	0.286321
KLHDC7A	-0.35668	-2.42135	0.01651	0.286892
PPM1F;IGLV1-44;TUBA3FP;P2RX6;IGLV1-40;ENSG00000187905	-0.40987	-2.41953	0.01659	0.287324
ANO2;NTF3;VWF	-0.31463	-2.41939	0.016596	0.287351
	-0.29129	-2.41593	0.016749	0.288028
	0.146637	2.420344	0.016554	0.287149
CCDC40;PCYT2;MAFG-AS1;LRRC45;BAIAP2-AS1;NOTUM;ENSG00000263069;ENSG00000261924;ARHGDIA	-0.25846	-2.42157	0.0165	0.286822
	0.257505	2.420688	0.016539	0.287049
	-0.25575	-2.42255	0.016457	0.286519
	-0.19361	-2.42442	0.016376	0.286123
	0.24402	2.423486	0.016416	0.286321
PAK1IP1;GCNT2	-0.25693	-2.42552	0.016328	0.285842
	-0.23696	-2.42277	0.016448	0.286489
RPL29;ABHD14B;ALAS1;RBM15B	-0.25719	-2.42455	0.01637	0.286122
TNFRSF1B;PLOD1;TNFRSF8;MIIP;MAD2L2	0.337746	2.41962	0.016586	0.287324
	0.291461	2.422635	0.016454	0.286505
	0.253043	2.425007	0.01635	0.285944
TMEM154;TLR2;TRIM2;ARFIP1	-0.41205	-2.42423	0.016384	0.286181
	0.278864	2.421573	0.0165	0.286822
DNMBP;ERLIN1	-0.38471	-2.41756	0.016677	0.287619
	0.266443	2.426159	0.0163	0.285611
	-0.28168	-2.42441	0.016376	0.286123
	-0.3708	-2.42664	0.016279	0.285483
SYDE2;BCL10	-0.30773	-2.42334	0.016422	0.286355
DFFB	-0.2275	-2.42297	0.016439	0.286431
	-0.21559	-2.42508	0.016347	0.285944
VWA3A;DNAH3;SDR42E2;SMG1P1;EEF2K	-0.30906	-2.42051	0.016547	0.287098
	-0.21209	-2.42198	0.016482	0.286698
	0.209877	2.420844	0.016532	0.286989
	-0.47838	-2.42685	0.01627	0.285432
	0.193988	2.419925	0.016572	0.287242
	-0.2939	-2.42395	0.016396	0.286251
GALNT15	0.274697	2.421527	0.016502	0.28683
	0.175205	2.422468	0.016461	0.286544
	0.226779	2.422355	0.016466	0.286607
	-0.34432	-2.42511	0.016346	0.285944
FCGR2B	0.317751	2.425301	0.016337	0.285849
	-0.19664	-2.42307	0.016434	0.286427
	-0.26333	-2.42355	0.016413	0.286321
F2RL2	0.413435	2.423097	0.016433	0.286427
CREBBP;ZNF213;PKD1;MMP25;ENSG00000259933;SRRM2;ENSG00000261123;ABCA17P	0.282901	2.424703	0.016363	0.28607
	0.256337	2.423954	0.016396	0.286251
PRR15;WIPF3;CHN2;NOD1;AQP1;FAM188B;SCRN1	-0.32146	-2.41593	0.016749	0.288028

	0.281889	2.421454	0.016505	0.286839
LRRC59;MRPL27;SGCA;SLC35B1	-0.22736	-2.42345	0.016418	0.286321
	0.20747	2.425749	0.016318	0.285741
	0.320377	2.423559	0.016413	0.286321
	0.181063	2.424574	0.016369	0.286122
	0.205268	2.424411	0.016376	0.286123
	0.298144	2.423796	0.016403	0.286303
	0.312691	2.423578	0.016412	0.286321
	0.264342	2.422889	0.016442	0.286468
	0.200519	2.42346	0.016417	0.286321
	-0.13943	-2.4181	0.016653	0.287572
ABCA13	-0.37707	-2.42384	0.016401	0.286291
	0.235499	2.415662	0.016761	0.288044
	-0.2438	-2.42099	0.016526	0.286961
C11orf21	0.217698	2.418182	0.016649	0.287548
CYBRD1;ENSG00000091436	0.355459	2.423535	0.016414	0.286321
	-0.21489	-2.41536	0.016775	0.288087
	-0.30751	-2.42091	0.016529	0.286975
	0.425362	2.41945	0.016593	0.287324
	-0.17246	-2.42372	0.016406	0.286321
FBLN2;TPRXL;NUP210;TMEM40;CAND2	0.272632	2.425085	0.016347	0.285944
	-0.11341	-2.42203	0.01648	0.28669
	0.246997	2.420423	0.016551	0.287104
	0.291611	2.420652	0.01654	0.287053
	0.30928	2.421616	0.016498	0.28682
TMEM255B;GAS6;TMCO3	-0.35922	-2.42184	0.016488	0.286739
FLT1;UBL3	0.204239	2.420481	0.016548	0.287098
	-0.1856	-2.41948	0.016592	0.287324
	0.288793	2.42425	0.016383	0.28618
PDPN	-0.23292	-2.42274	0.016449	0.286489
DAXX;CUTA;RPS18;SLC39A7	0.250341	2.421212	0.016516	0.286934
	0.377384	2.424767	0.016361	0.28607
	0.237374	2.421037	0.016524	0.286961
MYH14	0.255391	2.423857	0.0164	0.286291
	0.257395	2.422413	0.016463	0.286574
	-0.31118	-2.42275	0.016448	0.286489
	-0.17396	-2.42436	0.016378	0.286136
	0.29481	2.422996	0.016438	0.286431
MISP	0.219059	2.423933	0.016397	0.286251
	-0.27947	-2.4203	0.016556	0.28716
	-0.24376	-2.41755	0.016678	0.287622
KLHDC4	-0.36718	-2.41878	0.016623	0.287464
PTPRS;FUT3	-0.41492	-2.41897	0.016614	0.28741
	-0.2315	-2.42212	0.016476	0.286667
TPPP;TRIP13;NKD2;LPCAT1;ENSG00000188002;MRPL36	0.302951	2.423253	0.016426	0.286397
	0.277003	2.423603	0.016411	0.286321
	-0.21521	-2.42271	0.01645	0.286489

STIM2;ENSG00000240005;SMIM20	-0.32336	-2.42111	0.01652	0.286961
	-0.15808	-2.42113	0.01652	0.286961
	0.21197	2.421155	0.016518	0.286961
	0.217979	2.424134	0.016388	0.286181
KLHL36	-0.25796	-2.41846	0.016637	0.287473
	0.193818	2.419685	0.016583	0.287314
	0.266084	2.418324	0.016643	0.28748
	-0.28766	-2.42364	0.01641	0.286321
	0.134243	2.420843	0.016532	0.286989
	-0.23398	-2.41995	0.016571	0.287242
	-0.15515	-2.41839	0.01664	0.287477
	-0.16531	-2.41842	0.016639	0.287477
	0.359253	2.423002	0.016437	0.286431
	0.351302	2.422313	0.016468	0.286625
	-0.21344	-2.42182	0.016489	0.286739
CLIC4;STPG1;RCAN3;MAN1C1;SRRM1;IL22RA1	0.380596	2.416204	0.016737	0.287962
	-0.20914	-2.41765	0.016673	0.287613
	0.289817	2.42165	0.016497	0.286805
TAP1;TAP2;HLA-DMB;HLA-DMA;HLA-DOA;HLA-DPB1;PSMB9;HLA-DPA1;HLA-DRA;RPL32P1;PSMB8;TAPSAR1;TAPBP	0.302397	2.422046	0.016479	0.28669
	-0.26012	-2.42178	0.016491	0.286742
	0.372867	2.421754	0.016492	0.28675
	-0.46204	-2.41857	0.016632	0.287464
	0.253339	2.420225	0.016559	0.287176
	-0.26401	-2.4176	0.016675	0.287613
	0.194396	2.417836	0.016665	0.287581
	-0.24694	-2.4215	0.016503	0.286836
	0.213242	2.421217	0.016516	0.286934
PDGFB;SOX10;APOBEC3G;CBX7;DNAL4;TOMM22;NPTXR;SYNGR1;TAB1;BAIAP2L2	-0.31928	-2.4219	0.016486	0.286723
	0.225219	2.419044	0.016611	0.287407
C9orf139	-0.21342	-2.41982	0.016577	0.287267
	0.209716	2.421801	0.01649	0.286739
STYXL1;HIP1;CCDC146;ENSG00000227038	0.263675	2.420137	0.016563	0.287188
ITGAL;CORO1A;ZNF629	-0.28018	-2.42365	0.016409	0.286321
	0.290383	2.422873	0.016443	0.286469
	0.264688	2.419547	0.016589	0.287324
	0.172717	2.42121	0.016516	0.286934
DOCK2;LCP2	0.272644	2.418066	0.016654	0.287576
	0.202646	2.41906	0.016611	0.287407
	-0.17736	-2.42212	0.016476	0.286667
	-0.25623	-2.41811	0.016652	0.287572
	0.243313	2.4221	0.016477	0.286673
	-0.21879	-2.41673	0.016713	0.287821
	0.216282	2.415881	0.016751	0.288028
	0.212253	2.422301	0.016468	0.286625

	0.202795	2.420475	0.016548	0.287098
FAM86JP	-0.22698	-2.42107	0.016522	0.286961
	0.288425	2.421128	0.01652	0.286961
	0.306721	2.422794	0.016447	0.286482
SGIP1;ENSG00000224570;TCTEX1D1;LEPR;ENSG00000226891;				
WDR78	0.335888	2.417658	0.016673	0.287613
ENSG00000251370;SEMA5A;CCT5	-0.48494	-2.42305	0.016435	0.286427
	-0.25962	-2.4217	0.016494	0.286779
	-0.19423	-2.42033	0.016555	0.28715
TCF7;PCBD2	0.282049	2.416747	0.016713	0.287821
MRC2;CYB561	0.550157	2.422136	0.016475	0.286667
	0.233441	2.418973	0.016614	0.28741
ABCA6;ABCA10;ABCA8;ABCA9;ENSG00000267361	-0.31295	-2.41695	0.016704	0.287792
STARD9	-0.34702	-2.41936	0.016597	0.287353
NAP1L4;TSPAN32	-0.19075	-2.42088	0.01653	0.286985
	0.230365	2.419605	0.016587	0.287324
	-0.29658	-2.41762	0.016674	0.287613
	0.139921	2.41796	0.016659	0.287581
	0.342197	2.422802	0.016446	0.286482
	0.324661	2.420155	0.016562	0.287188
	-0.22369	-2.4133	0.016866	0.28855
	-0.30624	-2.42226	0.01647	0.286638
COX14	-0.26979	-2.42121	0.016516	0.286934
	0.307546	2.417353	0.016686	0.287696
LIFR	0.307105	2.41817	0.01665	0.287548
	-0.22887	-2.41889	0.016618	0.287428
EXOSC2;ABL1;PPAPDC3;LAMC3;AIF1L	-0.34004	-2.41915	0.016606	0.287381
BAI2;FAM167B	-0.27681	-2.41957	0.016588	0.287324
MAGI1	0.258651	2.421944	0.016484	0.286698
ZNF165	0.277878	2.420785	0.016535	0.287008
	0.292227	2.416648	0.016717	0.287845
	-0.1537	-2.41741	0.016683	0.287665
CCDC180	0.355034	2.419994	0.016569	0.287242
CGN;RORC;CTSS;GOLPH3L;SELENBP1;ENSG00000269621;THE				
M4;BNIPL;ECM1	-0.28968	-2.42095	0.016527	0.286967
	-0.21525	-2.41835	0.016642	0.28748
BAIAP2;WDR45B;C17orf62;PCYT2;SLC25A10;RAB40B	-0.25123	-2.41996	0.016571	0.287242
	0.25409	2.421277	0.016513	0.286934
	-0.22506	-2.42025	0.016558	0.287176
	0.273318	2.417342	0.016687	0.287696
	0.262648	2.419138	0.016607	0.287381
	0.296648	2.420757	0.016536	0.287008
TSR1	0.284632	2.415936	0.016749	0.288028
	-0.27694	-2.42257	0.016456	0.28651
	-0.28392	-2.42022	0.01656	0.287176
	-0.434	-2.4165	0.016724	0.287914
	0.280304	2.421799	0.01649	0.286739

	0.286852	2.418629	0.01663	0.287464
TRAPPC8	-0.25812	-2.41707	0.016699	0.28779
LILRB1	-0.62568	-2.42006	0.016567	0.287217
	0.2861	2.419453	0.016593	0.287324
	-0.15826	-2.42101	0.016525	0.286961
	0.201993	2.420588	0.016543	0.287082
	-0.29019	-2.42298	0.016438	0.286431
	0.352899	2.422128	0.016476	0.286667
	-0.1593	-2.41997	0.01657	0.287242
	0.278736	2.419743	0.01658	0.287293
	0.41191	2.420661	0.01654	0.287053
	0.247533	2.420575	0.016544	0.287082
CUX1	0.2703	2.418862	0.016619	0.287441
	0.177809	2.416926	0.016705	0.287792
FMN2	0.392563	2.420446	0.01655	0.287104
	-0.34244	-2.41683	0.016709	0.287821
	-0.27072	-2.42224	0.016471	0.286638
	0.330247	2.41797	0.016659	0.287581
	0.328901	2.419913	0.016573	0.287242
	0.209948	2.417838	0.016665	0.287581
	-0.20848	-2.41933	0.016599	0.287355
DPY19L2	0.318385	2.417872	0.016663	0.287581
	0.573645	2.423244	0.016427	0.286397
	-0.2154	-2.41879	0.016622	0.287464
	-0.19915	-2.41947	0.016593	0.287324
	-0.25995	-2.40847	0.017083	0.289695
	0.190739	2.421372	0.016509	0.286889
	0.178742	2.418061	0.016655	0.287576
ANTXR1;ANXA4;GFPT1	-0.2946	-2.42023	0.016559	0.287176
EBF2	0.347395	2.419901	0.016574	0.287242
	-0.21933	-2.4164	0.016728	0.287914
	0.223408	2.420471	0.016548	0.287098
	0.215978	2.420972	0.016526	0.286961
	-0.22813	-2.41473	0.016803	0.288296
	-0.19678	-2.41863	0.01663	0.287464
	0.139893	2.418592	0.016631	0.287464
	0.166392	2.414186	0.016827	0.288409
	0.188824	2.419442	0.016594	0.287324
RSPH10B2	0.306925	2.416918	0.016705	0.287792
ZNF662;ZBTB47;HIGD1A;FAM198A;TRAK1	-0.43269	-2.42315	0.016431	0.286421
NME4	0.134736	2.418641	0.016629	0.287464
TTC28;UQCR10;AP1B1;MTMR3;XBP1	-0.26128	-2.41928	0.016601	0.287373
ANXA11;TMEM254;ZCCHC24	-0.37203	-2.41788	0.016663	0.287581
HTATIP2	-0.25605	-2.42103	0.016524	0.286961
BBS9;KBTBD2	-0.47982	-2.41838	0.016641	0.287477
	-0.30371	-2.41352	0.016857	0.288542
	-0.25394	-2.42099	0.016526	0.286961

	-0.19001	-2.41859	0.016631	0.287464
DYSF	0.242688	2.41833	0.016643	0.28748
MSLN;TPSD1	-0.50082	-2.41783	0.016665	0.287581
C1QB;C1QA;IL22RA1	-0.3531	-2.41799	0.016658	0.287581
TSPAN4;TALDO1;MRPL23;IGF2	-0.30069	-2.4151	0.016786	0.288218
	-0.33006	-2.41991	0.016573	0.287242
	0.393276	2.42093	0.016528	0.28697
	0.277898	2.418582	0.016632	0.287464
	0.264044	2.417907	0.016661	0.287581
UBA7;RASSF1	-0.28017	-2.41946	0.016593	0.287324
	0.3488	2.421052	0.016523	0.286961
	-0.31837	-2.41976	0.01658	0.287291
	0.224539	2.417164	0.016694	0.287762
	0.226641	2.417497	0.01668	0.287643
	0.343402	2.414591	0.016809	0.288326
CD302;TANK	0.332453	2.418019	0.016657	0.287581
CCBE1;ZNF532;ATP8B1	0.426258	2.419176	0.016605	0.287381
	0.199486	2.419783	0.016579	0.287285
	0.278767	2.41719	0.016693	0.287754
	0.187028	2.418934	0.016616	0.28741
	-0.23965	-2.41787	0.016663	0.287581
	0.212458	2.42076	0.016536	0.287008
	-0.2304	-2.41715	0.016695	0.287764
IRX5;IRX3	-0.27842	-2.41762	0.016674	0.287613
	-0.39226	-2.41676	0.016712	0.287821
	0.218006	2.41625	0.016735	0.287939
	-0.17074	-2.41516	0.016783	0.288204
MEG3;MEG8;DIO3OS;ENSG00000225746;RTL1;ENSG00000232				
018;DIO3;ENSG00000271417;HSP90AA1;BEGAIN	-0.26848	-2.4141	0.016831	0.288428
	-0.21787	-2.41555	0.016766	0.288044
PPAP2B;ENSG00000223956	0.253698	2.418936	0.016616	0.28741
	-0.4911	-2.417	0.016702	0.287792
	0.173199	2.419343	0.016598	0.287353
	0.259968	2.418455	0.016637	0.287473
	0.248952	2.414906	0.016795	0.288296
CCDC108;ENSG00000235337;RQCD1;DNAJB2;GLB1L;TUBA4B;C				
YP27A1;ENSG00000227308;TTLL4;STK36;ENSG00000224090	0.261583	2.419271	0.016601	0.287373
LEPREL2;C1S;IFFO1;SCNN1A;C1R;ANO2;VWF;RBP5;PTPN6;PTM				
S;CD27-AS1;LRRC23;GNB3	0.241438	2.420508	0.016547	0.287098
IMPA1;SLC10A5;CHMP4C	-0.36771	-2.41896	0.016615	0.28741
ENSG00000244137;CAPN9	-0.35692	-2.41984	0.016576	0.287267
	-0.14667	-2.41658	0.01672	0.287881
	-0.29799	-2.42011	0.016564	0.287188
PAFAH2	0.217438	2.413111	0.016875	0.288593
	0.181439	2.416187	0.016738	0.287963
	0.243616	2.419646	0.016585	0.287324

	-0.13271	-2.41573	0.016758	0.288044
	0.254545	2.418987	0.016614	0.28741
	-0.23958	-2.41543	0.016771	0.288066
	0.242604	2.417629	0.016674	0.287613
	0.29051	2.420418	0.016551	0.287104
CD3G	0.176109	2.41648	0.016725	0.287914
	0.288278	2.419214	0.016604	0.287381
	0.186901	2.418542	0.016633	0.287464
	0.176149	2.416652	0.016717	0.287845
	-0.48401	-2.41952	0.01659	0.287324
	-0.21147	-2.41747	0.016681	0.287643
	-0.35704	-2.41443	0.016816	0.288369
HRH2	-0.31934	-2.41346	0.016859	0.288542
	-0.26444	-2.41972	0.016581	0.287297
	-0.31434	-2.41883	0.016621	0.287454
SLC13A2;SDF2	-0.2899	-2.41955	0.016589	0.287324
GPR133;RAN	-0.3318	-2.41252	0.016901	0.288775
RPS3AP25	-0.20278	-2.41936	0.016597	0.287353
	0.157259	2.4143	0.016822	0.288398
	-0.23523	-2.41758	0.016676	0.287619
CSF1;LAMTOR5;GSTM5;SLC16A4;KCNA3;WDR77	-0.19735	-2.41774	0.016669	0.287588
	-0.23252	-2.41571	0.016759	0.288044
	-0.19209	-2.41799	0.016658	0.287581
	0.247289	2.417241	0.016691	0.287745
	0.290314	2.416357	0.01673	0.287914
CD22;DMKN	-0.35902	-2.42146	0.016505	0.286839
ENSG00000258352	-0.35536	-2.41206	0.016922	0.288855
	0.237264	2.417472	0.016681	0.287643
C5orf63	-0.40057	-2.41625	0.016735	0.287939
NOS3;CDK5	0.302864	2.408093	0.017101	0.289751
	0.145855	2.418686	0.016627	0.287464
	0.274371	2.418184	0.016649	0.287548
CORIN	-0.30531	-2.41872	0.016625	0.287464
	0.16319	2.41588	0.016751	0.288028
	0.282803	2.416424	0.016727	0.287914
	0.24171	2.41921	0.016604	0.287381
	-0.34472	-2.41433	0.01682	0.288397
	0.114133	2.417028	0.0167	0.287792
FAM86B3P	0.157245	2.419255	0.016602	0.287374
DNAJA4	0.310663	2.418649	0.016629	0.287464
	-0.19978	-2.4172	0.016693	0.287754
POLR2G	-0.20464	-2.41906	0.01661	0.287407
	-0.38655	-2.41381	0.016844	0.288453
	0.376817	2.419071	0.01661	0.287407
	0.122811	2.40773	0.017117	0.289875
	0.207332	2.416815	0.01671	0.287821
	0.328703	2.416448	0.016726	0.287914

	0.285039	2.416646	0.016717	0.287845
LAMP3;DVL3	-0.23582	-2.41897	0.016615	0.28741
TGFBR3	-0.33113	-2.41638	0.016729	0.287914
	0.15872	2.418159	0.01665	0.287548
CHRD;MAP3K13;MAGEF1;PSMD2;EHHADH;C3orf70	-0.27592	-2.41587	0.016752	0.288028
	-0.39239	-2.41553	0.016767	0.288044
	0.238729	2.419162	0.016606	0.287381
	-0.1779	-2.41655	0.016722	0.287895
	-0.23958	-2.4177	0.016671	0.287607
	0.239648	2.417744	0.016669	0.287588
RNF216;FSCN1	-0.34727	-2.41283	0.016887	0.288657
	-0.37201	-2.41477	0.016801	0.288296
GPR132	-0.33428	-2.41865	0.016629	0.287464
AGAP2;ARHGAP9	-0.3722	-2.41855	0.016633	0.287464
	-0.28923	-2.4136	0.016853	0.288515
ABCA13;C7orf57;TNS3	-0.3447	-2.41856	0.016633	0.287464
ITPKB;C1orf95;PYCR2	-0.31989	-2.41401	0.016835	0.288428
	-0.17915	-2.41446	0.016814	0.288369
	0.244615	2.416785	0.016711	0.287821
	-0.90002	-2.42183	0.016489	0.286739
	0.286308	2.416748	0.016713	0.287821
	-0.18563	-2.41609	0.016742	0.288007
	-0.32023	-2.41592	0.016749	0.288028
	0.321581	2.417042	0.0167	0.287792
ACACB;ENSG00000256139;KCTD10;FOXN4;IFT81;TCTN1	-0.31078	-2.41323	0.016869	0.288555
	-0.27497	-2.41868	0.016628	0.287464
	0.344071	2.419142	0.016607	0.287381
	-0.3468	-2.41788	0.016663	0.287581
ENSG00000262601;COX4I1;COTL1;USP10;KIAA0513	0.256246	2.416912	0.016706	0.287792
ZNF557	0.218773	2.415756	0.016757	0.288044
	-0.42218	-2.41345	0.01686	0.288542
AQP1;PRR15;GGCT;NOD1;INMT	-0.30426	-2.41607	0.016743	0.288007
	0.291217	2.414597	0.016808	0.288326
	0.302505	2.417766	0.016668	0.287588
	0.286664	2.410464	0.016994	0.289338
	0.121045	2.412727	0.016892	0.288666
	0.33611	2.415452	0.01677	0.288062
SIGLEC17P	-0.22023	-2.40621	0.017186	0.290271
	-0.3204	-2.41643	0.016727	0.287914
CLCC1;WDR47	0.276671	2.417232	0.016691	0.287745
	0.338113	2.418373	0.016641	0.287477
	-0.24484	-2.41552	0.016767	0.288044
C20orf166-AS1	-0.41802	-2.41608	0.016742	0.288007
	0.2075	2.410597	0.016988	0.289305
	0.472417	2.417856	0.016664	0.287581
	-0.22187	-2.41873	0.016625	0.287464
BOC;SIDT1;ZDHHC23;CD200R1;CD200;ENSG00000272761	0.264308	2.416926	0.016705	0.287792

FANCC	-0.34369	-2.41419	0.016827	0.288409
	0.177424	2.41707	0.016699	0.28779
	-0.22863	-2.41552	0.016767	0.288044
	0.222458	2.412377	0.016908	0.2888
	-0.24094	-2.41288	0.016885	0.288657
	-0.29712	-2.41848	0.016636	0.287473
	0.221228	2.41284	0.016887	0.288657
MUC13;KALRN	0.300185	2.415526	0.016767	0.288044
	0.223902	2.416794	0.016711	0.287821
	0.314193	2.4149	0.016795	0.288296
	0.302753	2.414746	0.016802	0.288296
ARHGEF28;ZNF366	0.298474	2.415858	0.016752	0.288029
CDK5R1;RHBDL3;RAB11FIP4	0.420072	2.415931	0.016749	0.288028
	0.303513	2.418483	0.016636	0.287473
CCSAP	0.156306	2.416338	0.016731	0.287917
TSTA3	-0.24042	-2.4083	0.017091	0.289695
RGS19	0.191095	2.412901	0.016884	0.288657
	0.156814	2.415648	0.016762	0.288044
	0.23369	2.41117	0.016962	0.289173
	0.338793	2.415668	0.016761	0.288044
	0.224147	2.416722	0.016714	0.287821
	0.310305	2.414237	0.016825	0.288409
	0.232614	2.41583	0.016754	0.288038
	-0.23321	-2.41724	0.016691	0.287745
LY6D;FAM83H-AS1;BAI1;FAM83H;GPIHBP1;PSCA;LYPD2	-0.32508	-2.41197	0.016926	0.288861
	0.174338	2.41569	0.01676	0.288044
	-0.21528	-2.41776	0.016668	0.287588
COA3;TMEM106A;BECN1;VPS25;ARL4D	-0.41405	-2.41277	0.01689	0.288661
	-0.15451	-2.41256	0.0169	0.288761
INSR	0.227376	2.413156	0.016873	0.288593
	-0.32888	-2.41129	0.016957	0.289173
	-0.21469	-2.41395	0.016837	0.288433
	-0.30478	-2.40606	0.017193	0.290293
	-0.33955	-2.41632	0.016732	0.287923
	0.237304	2.411897	0.016929	0.288897
	-0.29758	-2.4171	0.016697	0.287784
	-0.13253	-2.41675	0.016713	0.287821
	0.200952	2.417412	0.016683	0.287665
	-0.33025	-2.41693	0.016705	0.287792
	-0.24175	-2.41399	0.016836	0.288428
ENSG00000230815	0.177599	2.41418	0.016827	0.288409
	0.276647	2.41476	0.016801	0.288296
	0.281993	2.414009	0.016835	0.288428
	-0.20953	-2.41093	0.016972	0.289173
	0.246436	2.415552	0.016766	0.288044
	0.192013	2.411259	0.016958	0.289173
VAMP8;ATOH8;KCMF1;MRPL35;TCF7L1	-0.41265	-2.41309	0.016876	0.288593

METTL24	0.235045	2.414686	0.016804	0.288303
	0.258663	2.41481	0.016799	0.288296
SELENBP1;THEM4;CGN;HRNR;SEMA6C	0.21515	2.41475	0.016802	0.288296
	0.266102	2.414777	0.0168	0.288296
	-0.30618	-2.41247	0.016904	0.288792
RCN3;FCGRT;TEAD2;CARD8;CPT1C;HRC;PLA2G4C;PPFIA3;HSD1				
7B14;EMP3;NTF4;CA11;ENSG00000268001	0.495503	2.417016	0.016701	0.287792
EXOC3L4;TNFAIP2;MOK;ENSG00000260285	0.565849	2.418483	0.016636	0.287473
RASAL3;DNAJB1;TECR	-0.3165	-2.41538	0.016774	0.288081
RAET1E;ENSG00000268592;PPP1R14C;LRP11	-0.18751	-2.41343	0.016861	0.288542
	0.290617	2.413798	0.016844	0.288453
	-0.18192	-2.41441	0.016817	0.288369
STPG1;RCAN3;ID3;IL22RA1;KDM1A;CLIC4;LYPLA2	-0.4372	-2.41512	0.016785	0.288214
	-0.23011	-2.41114	0.016963	0.289173
	0.216277	2.410806	0.016978	0.289192
	-0.19291	-2.41396	0.016837	0.288433
	0.300271	2.417931	0.01666	0.287581
	0.197156	2.414222	0.016825	0.288409
CBFA2T3;PIEZO1;SPIRE2;ENSG00000261226;RNF166;SPATA33;				
GAS8;ENSG00000260259;ENSG00000224888;ANKRD11	-0.23261	-2.41376	0.016846	0.288453
	0.273874	2.413637	0.016851	0.288501
	-0.21671	-2.41546	0.01677	0.288062
	0.1156	2.412411	0.016906	0.288792
	-0.20438	-2.41562	0.016763	0.288044
	-0.35078	-2.41378	0.016845	0.288453
MARVELD1;HPSE2	-0.31439	-2.41217	0.016917	0.288841
	0.205396	2.414593	0.016809	0.288326
SEMA4F;TACR1;MTHFD2;M1AP;DQX1;HK2	-0.33492	-2.41233	0.01691	0.2888
	-0.27982	-2.41123	0.016959	0.289173
	-0.33421	-2.41251	0.016902	0.288775
ENSG00000272221	0.247753	2.414721	0.016803	0.288296
	-0.24162	-2.41513	0.016785	0.288214
IQCE	-0.28258	-2.40968	0.017029	0.289491
CLUAP1;C16orf59	0.563087	2.411127	0.016964	0.289173
	0.228744	2.409539	0.017035	0.289505
ZNF34;EEF1D;FAM83H-AS1;GPIHBP1	-0.3336	-2.41589	0.016751	0.288028
PPIB	0.259476	2.415452	0.01677	0.288062
C19orf82	-0.18185	-2.41506	0.016788	0.288236
SKI;TPRG1L	0.21698	2.407888	0.01711	0.289823
ELF3	-0.21015	-2.41305	0.016877	0.288611
LLPH	0.225082	2.409848	0.017021	0.289463
	-0.27641	-2.41378	0.016845	0.288453
CARD8;SEPW1;CYTH2;ENSG00000268001	0.835274	2.417751	0.016668	0.287588
	0.342008	2.412744	0.016891	0.288664
	0.255347	2.412103	0.01692	0.288855
	0.199634	2.410677	0.016984	0.289255

RPL7AP6	0.153578	2.414182	0.016827	0.288409
SRD5A1;NSUN2	-0.23501	-2.41195	0.016927	0.288871
TIE1;PTPRF;LEPRE1;TMEM125;ST3GAL3;CCDC24;EBNA1BP2;SLC6A9;ERI3;C1orf210;SLC2A1	-0.29733	-2.41233	0.01691	0.2888
	-0.1617	-2.41095	0.016972	0.289173
	-0.29765	-2.41326	0.016868	0.288555
SUSD1;PTBP3;ZNF483	-0.21173	-2.41335	0.016864	0.288548
	0.344374	2.414881	0.016796	0.288296
	0.20529	2.415734	0.016758	0.288044
	0.101222	2.408371	0.017088	0.289695
	0.291298	2.413492	0.016858	0.288542
	0.233181	2.416479	0.016725	0.287914
SPOCK2	0.313876	2.416288	0.016733	0.287932
	-0.13928	-2.41373	0.016847	0.288453
NUAK2	0.407948	2.410679	0.016984	0.289255
	-0.20449	-2.41527	0.016778	0.288142
GRID1;SNCG;LDB3	-0.32603	-2.41567	0.016761	0.288044
ZNF627;ZNF440;AP1M2;ICAM1;ZNF20;KANK2	0.475591	2.412436	0.016905	0.288792
KRT8P12	0.220855	2.413637	0.016851	0.288501
FOXJ2;SLC2A3;ENSG00000256937;NECAP1;CLEC2D;CLEC4A;M6PR;ENSG00000257027;ENSG00000213443	-0.3848	-2.41571	0.016759	0.288044
	0.244727	2.414371	0.016819	0.288379
	0.365351	2.41412	0.01683	0.288428
	0.229856	2.413334	0.016865	0.288548
HSD11B1L;ENSG00000267299;PTPRS;RFX2;ENSG00000267262	-0.2196	-2.41056	0.016989	0.289324
	-0.27107	-2.41325	0.016868	0.288555
	-0.18119	-2.41028	0.017002	0.289378
PIH1D1;NAPSB;MYH14;PRRG2;HRC	-0.28329	-2.41449	0.016813	0.288369
TTC34;CEP104	0.172793	2.41641	0.016728	0.287914
SKI;CEP104;LINC01134;ENSG00000272235	-0.41912	-2.41601	0.016746	0.288028
	0.23987	2.411592	0.016943	0.289071
ENSG00000264198;PLXDC1;ERBB2;IKZF3	-0.31154	-2.41468	0.016805	0.288303
	0.238714	2.413996	0.016835	0.288428
DNAAF1;C16orf74	-0.38216	-2.40913	0.017054	0.289576
RPSA	-0.21019	-2.41299	0.01688	0.288637
	-0.15762	-2.41446	0.016815	0.288369
ACSL6	-0.3268	-2.41609	0.016742	0.288007
	0.270258	2.414964	0.016792	0.288295
	-0.17687	-2.41232	0.01691	0.2888
	0.283683	2.413448	0.01686	0.288542
	0.345373	2.415193	0.016782	0.28819
COL5A3;UBL5;AP1M2;PDE4A;OLFM2;ICAM5	0.242767	2.41427	0.016823	0.288409
	0.296714	2.412762	0.01689	0.288661
COL4A2	-0.38102	-2.4154	0.016773	0.288075
	-0.37147	-2.41603	0.016745	0.288027
	0.33487	2.415816	0.016754	0.288038

	-0.29654	-2.41031	0.017001	0.289378
MRPS15	-0.25958	-2.41042	0.016995	0.289345
OTUD4	-0.31304	-2.4131	0.016875	0.288593
	0.297198	2.413309	0.016866	0.28855
	0.28303	2.411345	0.016954	0.28917
	0.188915	2.41314	0.016874	0.288593
FSTL3;PALM;PPAP2C	-0.49536	-2.40912	0.017054	0.289576
	0.220984	2.411119	0.016964	0.289173
	0.218552	2.412282	0.016912	0.2888
	-0.26671	-2.40721	0.017141	0.289981
PAIP2B;DYSF	-0.26581	-2.40914	0.017054	0.289576
	0.239426	2.414064	0.016832	0.288428
	-0.18188	-2.41445	0.016815	0.288369
	0.151363	2.413355	0.016864	0.288548
	0.202299	2.413811	0.016844	0.288453
	0.173432	2.414026	0.016834	0.288428
	-0.20784	-2.41021	0.017005	0.289397
	0.163761	2.414021	0.016834	0.288428
	-0.23992	-2.41494	0.016793	0.288296
E2F7	-0.3515	-2.411	0.016969	0.289173
	0.209754	2.408425	0.017086	0.289695
TOB1;LRRC59	0.147389	2.414859	0.016797	0.288296
ADCY10P1	-0.34782	-2.40651	0.017172	0.290185
	0.232613	2.41563	0.016762	0.288044
	0.131139	2.413775	0.016845	0.288453
	-0.30099	-2.41045	0.016994	0.289338
RPL32P1	-0.17324	-2.41011	0.01701	0.289397
	0.215013	2.41228	0.016912	0.2888
	0.332396	2.412181	0.016916	0.288841
	0.205536	2.409026	0.017058	0.289588
	-0.22416	-2.41203	0.016923	0.288859
ITGA9;CTDSPL;XYLB;ENSG00000235257;PLCD1;MLH1;SCN5A;NDUFAF4P3;DLEC1	-0.26527	-2.41208	0.016921	0.288855
	-0.335	-2.41373	0.016847	0.288453
JAK3;NR2F6;FAM129C	-0.30321	-2.4083	0.017091	0.289695
	-0.20584	-2.41408	0.016831	0.288428
	-0.19871	-2.41163	0.016941	0.289056
ECSCR;DNAJC18;ZMAT2;IK;CYSTM1	-0.25683	-2.41457	0.01681	0.288332
MYO10	0.47774	2.416359	0.01673	0.287914
	0.212505	2.413937	0.016838	0.288433
	0.186559	2.408142	0.017098	0.289736
	0.364617	2.412844	0.016887	0.288657
	0.330841	2.411449	0.016949	0.289125
	0.270528	2.4115	0.016947	0.289108
HN1L;TMEM204;PDPK1;ENSG00000205890;HCFC1R1;CCDC64B	-0.22142	-2.40923	0.017049	0.289573
TM4SF18;AGTR1;CP	-0.33031	-2.40836	0.017089	0.289695

HIC1;INPP5K;SCARF1	0.222345	2.409203	0.01705	0.289576
	-0.18657	-2.41344	0.01686	0.288542
	0.180286	2.413241	0.016869	0.288555
	-0.24612	-2.41412	0.01683	0.288428
	0.271751	2.409087	0.017056	0.28958
	0.174806	2.412069	0.016922	0.288855
ARID5A;TMEM131;CNNM4;FAM178B;CIAO1	-0.36824	-2.4102	0.017006	0.289397
	0.236454	2.409853	0.017021	0.289463
	-0.35309	-2.41375	0.016846	0.288453
TBC1D22B;PI16	-0.31656	-2.40886	0.017066	0.289624
MLH3;LTBP2;PGF	0.204815	2.412856	0.016886	0.288657
	0.337651	2.412319	0.01691	0.2888
MUC15;CCDC34;ENSG00000224411;METTL15;ANO3	-0.29448	-2.40702	0.017149	0.290044
	0.274926	2.412597	0.016898	0.288742
	0.322798	2.414395	0.016817	0.288372
	0.37949	2.414805	0.016799	0.288296
	0.152039	2.410276	0.017002	0.289378
	-0.17109	-2.41283	0.016887	0.288657
BBS9;KBTBD2	-0.40908	-2.40962	0.017032	0.289505
TSPAN32;ENSG00000255367	-0.31946	-2.41485	0.016797	0.288296
	-0.27065	-2.4122	0.016915	0.288837
	-0.19884	-2.4126	0.016898	0.288742
	0.350378	2.412764	0.01689	0.288661
	0.204229	2.411387	0.016952	0.289149
	0.292325	2.412087	0.016921	0.288855
	-0.32962	-2.41383	0.016843	0.288453
	0.289749	2.410099	0.01701	0.289397
	-0.3295	-2.41492	0.016794	0.288296
	0.256253	2.409856	0.017021	0.289463
ENSG00000262118;IL32;MMP25	0.229684	2.413533	0.016856	0.288542
	0.326947	2.409663	0.01703	0.289491
	-0.28597	-2.41176	0.016935	0.288987
SLC2A12;TCF21	-0.26302	-2.41111	0.016965	0.289173
	-0.28113	-2.41349	0.016858	0.288542
MYO1C;SCARF1;ENSG00000262003;HIC1;NXN;YWHAE;PITPNA;INPP5K;C17orf97;SLC43A2;ENSG00000228133;FAM101B;SMG6	0.524083	2.40755	0.017125	0.289878
	0.18167	2.411988	0.016925	0.288861
	-0.22997	-2.41297	0.016881	0.288643
	-0.33413	-2.40949	0.017038	0.289505
	0.346244	2.413028	0.016879	0.28862
RPP25	0.261565	2.411098	0.016965	0.289173
	0.245688	2.408485	0.017083	0.289695
	-0.21317	-2.40935	0.017044	0.289559
SERPINB6;SLC22A23	-0.21306	-2.41091	0.016974	0.289176
SMYD2;BATF3;FLVCR1;TATDN3	-0.28344	-2.40951	0.017037	0.289505
	0.348702	2.412202	0.016916	0.288837

	-0.37262	-2.41335	0.016864	0.288548
	0.248692	2.41444	0.016815	0.288369
	0.333172	2.406593	0.017169	0.290166
	0.380554	2.414611	0.016808	0.288326
	-0.38551	-2.4134	0.016862	0.288548
SUCLG2	0.399285	2.409958	0.017016	0.28946
PTPN23;LARS2	-0.26749	-2.41148	0.016948	0.289113
KRT80;ACVR1B	-0.27929	-2.41096	0.016971	0.289173
	0.296834	2.409493	0.017037	0.289505
	0.201312	2.410086	0.017011	0.289397
	-0.16126	-2.41005	0.017012	0.28941
	0.34497	2.413333	0.016865	0.288548
	-0.29774	-2.4066	0.017168	0.290166
	0.224706	2.412018	0.016924	0.288859
	-0.18992	-2.40574	0.017208	0.2904
	-0.36536	-2.41163	0.016941	0.289056
LAMC2;RNASEL;LAMC1;COLGALT2	-0.33535	-2.40843	0.017085	0.289695
CFB	-0.25284	-2.40765	0.017121	0.289878
NKD2;PDCD6;AHRR;TRIP13	0.326348	2.400899	0.017429	0.29148
PREX1;PTGIS;B4GALT5	-0.33342	-2.40954	0.017035	0.289505
	0.165537	2.412786	0.016889	0.288661
	0.271048	2.409804	0.017023	0.289463
	-0.2836	-2.41228	0.016912	0.2888
	-0.21119	-2.41208	0.016921	0.288855
	0.257716	2.409514	0.017036	0.289505
	0.185103	2.410477	0.016993	0.289338
	-0.14644	-2.4111	0.016965	0.289173
C6orf62;PPIAP29	-0.40054	-2.40934	0.017044	0.289559
	-0.22166	-2.41121	0.01696	0.289173
TTC8	-0.28622	-2.40972	0.017027	0.289491
	0.202614	2.411172	0.016962	0.289173
CHSY1	0.258741	2.409906	0.017019	0.289463
	-0.18107	-2.40969	0.017028	0.289491
	-0.37498	-2.40743	0.017131	0.289905
ENSG00000262222;SOCS1	0.430339	2.410108	0.01701	0.289397
	0.244457	2.410337	0.016999	0.289378
	0.252485	2.410009	0.017014	0.289433
DBP	0.181916	2.409132	0.017054	0.289576
	-0.89659	-2.41374	0.016846	0.288453
	0.228237	2.40858	0.017079	0.289695
	-0.25086	-2.4096	0.017032	0.289505
	0.279426	2.408998	0.01706	0.289597
	-0.26669	-2.41127	0.016957	0.289173
	-0.41197	-2.41158	0.016943	0.289071
	0.279224	2.408748	0.017071	0.289663
	0.238271	2.412836	0.016887	0.288657
CD34;PFKFB2;PIGR;CD46	-0.34467	-2.40849	0.017083	0.289695

	0.269792	2.414307	0.016821	0.288398
CAPN5;LRRC32	0.272616	2.408595	0.017078	0.289695
	0.212029	2.406567	0.01717	0.290166
	0.320478	2.411167	0.016962	0.289173
	0.206606	2.405572	0.017215	0.290437
FGF2;SPRY1;SPATA5;BBS12	-0.39023	-2.40727	0.017138	0.289967
C6orf10;TCF19;TNXB;VWA7	0.262284	2.400921	0.017428	0.29148
	-0.29318	-2.40947	0.017038	0.289505
	-0.30693	-2.41096	0.016971	0.289173
	-0.16528	-2.40927	0.017047	0.289573
	0.359228	2.404816	0.01725	0.290609
	-0.18306	-2.4101	0.01701	0.289397
	-0.26359	-2.40852	0.017081	0.289695
	-0.26332	-2.40471	0.017254	0.290648
	0.251816	2.407707	0.017118	0.289875
	0.218103	2.410135	0.017008	0.289397
	-0.33094	-2.40675	0.017162	0.290152
	-0.21272	-2.40797	0.017106	0.289823
NUGGC	-0.4184	-2.4131	0.016875	0.288593
	-0.31188	-2.40624	0.017185	0.290271
	0.250135	2.412425	0.016906	0.288792
RPS21	0.170039	2.407568	0.017124	0.289878
SNHG3	0.24438	2.405152	0.017234	0.290517
TMSB4XP1;TMEM125	0.262138	2.410117	0.017009	0.289397
	-0.3717	-2.4096	0.017033	0.289505
CYBA;SLC7A5	-0.2834	-2.41166	0.01694	0.289056
	-0.31823	-2.4108	0.016978	0.289192
	-0.19569	-2.40481	0.01725	0.290609
	0.233129	2.40912	0.017054	0.289576
ARL15	-0.24959	-2.41099	0.01697	0.289173
GGCT;ZNRF2	-0.29985	-2.41201	0.016924	0.288859
	-0.23931	-2.40722	0.01714	0.289981
PKN3;TOR1B;SET;TBC1D13	0.238209	2.410683	0.016984	0.289255
	-0.29334	-2.41085	0.016976	0.289177
	0.262824	2.411026	0.016968	0.289173
RPL5;ENSG00000225505	0.261147	2.407891	0.01711	0.289823
P2RX7	-0.15372	-2.41245	0.016904	0.288792
GALNS;SPIRE2;ENSG00000260259	-0.31036	-2.41107	0.016966	0.289173
	0.254922	2.408367	0.017088	0.289695
	0.279717	2.409225	0.017049	0.289573
	-0.19445	-2.41101	0.016969	0.289173
	0.217444	2.409878	0.01702	0.289463
IRF8	-0.25395	-2.41154	0.016945	0.289089
PRR15;CHN2;ENSG00000223813;TAX1BP1	0.294955	2.399148	0.01751	0.29194
	0.255016	2.408165	0.017097	0.289736
	0.202595	2.411056	0.016967	0.289173

GSTA1;GCLC;GSTA2;ELOVL5;ENSG00000231683;GSTA7P;GSTA3	-0.29901	-2.40734	0.017135	0.289938
HLA-F;TRIM27;HLA-A	0.216704	2.407036	0.017149	0.290044
	-0.25762	-2.40613	0.01719	0.290271
RAB34;ENSG00000265713	-0.18718	-2.40111	0.017419	0.291423
PCDH1	0.248532	2.408424	0.017086	0.289695
	-0.19986	-2.40496	0.017243	0.290602
	-0.26204	-2.4089	0.017064	0.289624
MT1E;COQ9;MT2A;CIAPIN1;FAM192A	0.279434	2.409172	0.017052	0.289576
	-0.27295	-2.40565	0.017212	0.290423
BAIAP2;CBX2;EIF4A3;SGSH;SLC26A11	-0.40601	-2.40718	0.017142	0.289981
	0.30189	2.409334	0.017045	0.289559
	0.245887	2.408242	0.017094	0.289717
	0.27776	2.407282	0.017137	0.289967
	-0.24435	-2.41045	0.016994	0.289338
	0.191837	2.408572	0.017079	0.289695
	0.230263	2.407865	0.017111	0.289823
	0.122899	2.409837	0.017022	0.289463
INPP5D;MSL3P1;DGKD	-0.30836	-2.40846	0.017084	0.289695
CCDC30;WDR65;FAM183A;CCDC24	-0.42504	-2.40978	0.017025	0.289463
	0.198965	2.404888	0.017246	0.290609
ENSG00000224570	0.354497	2.411404	0.016951	0.289148
DENND2A;BRAF;PARP12;SLC37A3;TBXAS1;MRPS33	-0.20067	-2.41046	0.016994	0.289338
	-0.24291	-2.41014	0.017008	0.289397
	0.19931	2.407405	0.017132	0.289912
	0.233997	2.404619	0.017259	0.290649
CDC42BPB	-0.25028	-2.40569	0.01721	0.290402
	0.294278	2.409668	0.017029	0.289491
	0.209615	2.407693	0.017119	0.289875
	0.238659	2.405338	0.017226	0.290455
	-0.18757	-2.41018	0.017006	0.289397
PIGP	0.293214	2.407488	0.017128	0.289878
	0.199925	2.401053	0.017422	0.291423
HLA-DOA;HLA-DRB5;TAP1;HLA-DRB1	0.216397	2.410936	0.016972	0.289173
LAMTOR2;HAX1;C1orf43;UBE2Q1;DAP3;SLC50A1;GBAP1;ARHGEF2;TDRD10;SHE	-0.21136	-2.41086	0.016976	0.289177
ARL10;SIMC1	-0.29837	-2.41029	0.017001	0.289378
PIK3C2B;MDM4;PLEKHA6;CNTN2;NFASC;SLC26A9	-0.31519	-2.40712	0.017145	0.290007
	-0.17209	-2.40752	0.017126	0.289878
	0.214065	2.409801	0.017023	0.289463
	0.219948	2.410879	0.016975	0.289177
	0.129629	2.409774	0.017025	0.289463
	-0.24046	-2.41033	0.017	0.289378
RBMS3	0.301522	2.404601	0.017259	0.290649
MFGE8;ACAN	0.253958	2.40843	0.017085	0.289695
MUC5B;EFCAB4A;IFITM1	-0.23625	-2.4036	0.017305	0.290724
RPL5P24	-0.25197	-2.40882	0.017068	0.289644

	0.204529	2.409269	0.017047	0.289573
	-0.2507	-2.41101	0.016969	0.289173
	0.285006	2.407751	0.017116	0.289875
	-0.22565	-2.40704	0.017148	0.290044
	0.197801	2.407967	0.017106	0.289823
ENSG00000263050	-0.25111	-2.40875	0.017071	0.289663
PRPSAP1	-0.30314	-2.40375	0.017298	0.290724
	-0.19493	-2.4089	0.017064	0.289624
	0.143593	2.403117	0.017327	0.290839
ZNF627;ZNF20;AP1M2;ICAM1;ZNF440	0.321132	2.410934	0.016972	0.289173
	-0.39848	-2.40981	0.017023	0.289463
TSPAN4;PKP3	-0.26545	-2.40923	0.017049	0.289573
PDGFB;GRAP2;SUN2;CBX7;FAM83F	-0.31276	-2.40908	0.017056	0.28958
CLDN5;MRPL40;ZDHHC8	-0.27114	-2.40316	0.017325	0.290838
AGO3;GJB4;GJB5	-0.29879	-2.4062	0.017187	0.290271
	0.344288	2.409824	0.017022	0.289463
IL7R	-0.33486	-2.40943	0.01704	0.289516
	-0.52227	-2.40486	0.017248	0.290609
ZBTB47	0.119	2.40418	0.017279	0.290655
	0.436145	2.4109	0.016974	0.289176
	-0.41519	-2.40774	0.017117	0.289875
	-0.27326	-2.40926	0.017048	0.289573
JKAMP;DHRS7;PCNXL4;DACT1;CCDC175	-0.24975	-2.40538	0.017224	0.290455
	0.239224	2.408865	0.017066	0.289624
ENSG00000235096	0.232117	2.401841	0.017386	0.291346
	-0.27652	-2.40905	0.017057	0.28958
TXNDC17;NUP88;C1QBP	-0.30683	-2.40851	0.017082	0.289695
SUPT7L	0.278554	2.408421	0.017086	0.289695
	0.26432	2.407705	0.017118	0.289875
	0.245917	2.410487	0.016993	0.289338
	-0.20248	-2.40576	0.017206	0.2904
	-0.30208	-2.40946	0.017039	0.289505
	0.296225	2.408561	0.017079	0.289695
	0.284284	2.407191	0.017141	0.289981
	0.249821	2.407563	0.017125	0.289878
	-0.22107	-2.4087	0.017073	0.28969
PPP1R7;ANKMY1	-0.25987	-2.40426	0.017275	0.290655
	0.230116	2.408878	0.017065	0.289624
HCP5;HLA-DOA;TAP1;HLA-DPA1;PSMB9;HLA-DMA;HLA-DMB;TAP2;TAPSAR1;HLA-DPB1;HLA-DRA;HLA-B	0.270228	2.409576	0.017034	0.289505
	0.258774	2.408865	0.017066	0.289624
	-0.25564	-2.40071	0.017438	0.291549
CLUAP1;HN1L;IFT140;ENSG00000263011;ENSG00000272079;PDPK1;HAGH;RNPS1;CLDN9;NLRC3;ZNF598;HCFC1R1;HS3ST6;ERVK13-1;ENSG00000262370;ENSG00000262312	-0.23969	-2.40387	0.017293	0.290713
	0.182427	2.409051	0.017057	0.28958

RASGRP2;NRXN2;SIPA1;MAP4K2;PYGM;LTBP3;MAP3K11;TM7SF2;CCDC88B;PRDX5;EHBP1L1;SLC25A45;FERMT3;PPP2R5B;EHD1;STIP1;RNASEH2C;VEGFB;DNAJC4;NAALADL1	-0.30365	-2.40386	0.017293	0.290713
MRGPRF;ALDH3B1;UNC93B1;PITPNM1;ENSG00000261625;ENSG00000256508;FAM86C2P;AIP;CDK2AP2;ENSG00000255306;GSTP1;TPCN2	-0.29758	-2.40222	0.017368	0.291185
	0.216844	2.406203	0.017186	0.290271
PSMB8;SLC44A4;PPT2-EGFL8;TNXB;C6orf10	0.184817	2.408552	0.01708	0.289695
	-0.31737	-2.41032	0.017	0.289378
	-0.2837	-2.40836	0.017089	0.289695
	0.113514	2.402125	0.017373	0.291209
	-0.23917	-2.40818	0.017097	0.289736
	-0.24588	-2.40825	0.017093	0.289717
	0.198026	2.4058	0.017205	0.290398
	0.277059	2.408126	0.017099	0.289738
	-0.17318	-2.40876	0.017071	0.289663
PIPSL	-0.36084	-2.40576	0.017206	0.2904
	-0.32344	-2.40563	0.017213	0.290427
CASC10	0.242967	2.407753	0.017116	0.289875
	-0.26692	-2.40533	0.017226	0.290455
	-0.27182	-2.40834	0.017089	0.289695
	0.281231	2.407629	0.017122	0.289878
	-0.28649	-2.40516	0.017234	0.290517
	0.324265	2.407879	0.01711	0.289823
	0.246637	2.40493	0.017244	0.290608
	-0.34243	-2.40632	0.017181	0.290268
PPP1R18;TNXB;SLC44A4;HCP5;DDR1;NOTCH4;C6orf10;NELFE;CLIC1;DHX16;HSPA1A;HSPA1B;VARS2;BAG6;CCHCR1	-0.26627	-2.40649	0.017173	0.290189
ABI3BP;FILIP1L	-0.2767	-2.40749	0.017128	0.289878
AEBP1;BLVRA;HECW1	0.340376	2.406748	0.017162	0.290152
ERBB3;ENSG00000224713	0.203518	2.406361	0.017179	0.290266
BCYRN1	-0.28302	-2.40683	0.017158	0.290146
	-0.21958	-2.4041	0.017282	0.290655
AIM2;ENSG00000225670;DARC;PYHIN1;LY9;FCRL6;ENSG00000213080;SLAMF1;SLAMF6;CADM3	-0.34783	-2.40348	0.017311	0.290776
	-0.21439	-2.40424	0.017276	0.290655
	0.33332	2.406715	0.017163	0.290154
CGNL1;MYO1E	-0.38141	-2.40239	0.017361	0.291112
	0.232627	2.402422	0.017359	0.291106
SYT11;ATP8B2;ENSG00000232093	-0.22668	-2.40295	0.017335	0.290869
	0.235581	2.407494	0.017128	0.289878
	-0.21311	-2.40215	0.017371	0.291203
	0.313758	2.406763	0.017161	0.290152
	0.347717	2.405213	0.017231	0.290508
	0.213059	2.405541	0.017216	0.290446

	-0.44434	-2.40697	0.017151	0.290059
DEPDC1B	-0.30104	-2.40331	0.017318	0.290812
	-0.29468	-2.40822	0.017095	0.289723
ARL9	0.352345	2.408889	0.017065	0.289624
	0.274132	2.408316	0.017091	0.289695
	0.199703	2.403183	0.017324	0.29083
PPP1R18;HCP5;LTB;GPSM3;HSPA1B;CLIC1;DDR1;HSPA1A;C6orf 10;VARS2;SLC44A4;NOTCH4	0.306402	2.405453	0.01722	0.290447
	0.231769	2.406422	0.017176	0.29023
	-0.22945	-2.40415	0.01728	0.290655
	-0.27945	-2.40661	0.017168	0.290166
	0.234337	2.404064	0.017284	0.290655
HMBOX1;NUGGC	-0.2953	-2.40226	0.017366	0.291181
	0.256371	2.407479	0.017128	0.289878
	0.245687	2.405333	0.017226	0.290455
	-0.33259	-2.40333	0.017317	0.290812
ITGB7;ACVR1B;ACVRL1	0.178103	2.405358	0.017225	0.290455
	-0.26113	-2.40158	0.017398	0.291373
TSPAN4;DEAF1;IFITM3;LRRC56;MUC5AC;IFITM1;PHRF1;B4GAL NT4;MOB2;MRPL23	-0.37493	-2.40657	0.01717	0.290166
	-0.1538	-2.40716	0.017143	0.289984
SYCP2L;MAK;NEDD9;C6orf52;TMEM14B	0.343071	2.399799	0.01748	0.291886
	0.283384	2.404789	0.017251	0.290609
LYPD3	-0.17487	-2.40592	0.017199	0.290353
	-0.14771	-2.40662	0.017168	0.290166
HSPH1;MEDAG	0.420799	2.403049	0.01733	0.290841
	0.127448	2.407581	0.017124	0.289878
	0.161523	2.408569	0.017079	0.289695
	-0.15488	-2.40631	0.017181	0.290268
	0.368588	2.407363	0.017134	0.289933
LOH12CR1	0.294676	2.408506	0.017082	0.289695
S100P;EVC;EVC2;ENSG00000246526;BLOC1S4	-0.3075	-2.40296	0.017335	0.290869
	-0.18968	-2.40453	0.017262	0.290649
	0.253833	2.403816	0.017295	0.290724
	-0.2919	-2.40581	0.017204	0.290398
	0.20399	2.406115	0.01719	0.290271
DNAH10;TCTN2	-0.38951	-2.40786	0.017111	0.289823
	0.331772	2.405195	0.017232	0.290508
	0.132131	2.407006	0.01715	0.290046
	-0.18011	-2.40307	0.017329	0.290841
PSPH;ZNF713;GBAS;SUMF2	-0.22946	-2.40264	0.017349	0.290994
	0.206209	2.406262	0.017184	0.290271
SNORA38	-0.20209	-2.40333	0.017317	0.290812
	0.112625	2.403548	0.017307	0.290743
	0.291664	2.403638	0.017303	0.290724
	0.167422	2.40598	0.017197	0.29034
	0.300336	2.404106	0.017282	0.290655

ALDH1A3;ENSG00000259363;TARSL2;ENSG00000259583	-0.38098	-2.40585	0.017202	0.290379
	-0.25884	-2.40673	0.017163	0.290154
	0.243881	2.403073	0.017329	0.290841
	0.113678	2.402328	0.017363	0.291144
DENND5B;FAM60A	0.224745	2.405518	0.017218	0.290446
PLEKHB1;DNAJB13;POLD3;ENSG00000255847;PPME1;PGM2L1				
;C2CD3;UCP2;ENSG00000254837;KCNE3;LIPT2;UCP3	-0.28423	-2.39652	0.017632	0.292694
	0.338402	2.403614	0.017304	0.290724
	0.188978	2.40328	0.01732	0.290812
	0.24107	2.406833	0.017158	0.290146
	0.236497	2.405747	0.017207	0.2904
	-0.20969	-2.40342	0.017313	0.290783
	-0.1759	-2.40612	0.01719	0.290271
	-0.33809	-2.40814	0.017098	0.289736
	-0.2176	-2.40546	0.01722	0.290447
C22orf34;MAPK12;ENSG00000213279;ENSG00000235111;SHA				
NK3;RABL2B;MAPK11	-0.36287	-2.40609	0.017191	0.290275
MAPK12;SHANK3;C22orf34;MAPK11;NCAPH2;DENND6B	-0.26095	-2.40363	0.017304	0.290724
	-0.36304	-2.40749	0.017128	0.289878
	-0.23122	-2.40388	0.017292	0.290713
	0.245922	2.403705	0.0173	0.290724
	0.209331	2.40512	0.017236	0.290519
	0.249104	2.404243	0.017276	0.290655
GIPC3;GNG7;GNA15;NFIC;DAPK3;TBXA2R	-0.28851	-2.40377	0.017297	0.290724
	0.239574	2.399122	0.017511	0.291943
	0.256397	2.407898	0.017109	0.289823
	0.204474	2.405708	0.017209	0.2904
	0.23144	2.404444	0.017266	0.290649
	0.204075	2.404632	0.017258	0.290649
	-0.20714	-2.4075	0.017128	0.289878
	-0.167	-2.40485	0.017248	0.290609
TCF7	-0.18624	-2.40346	0.017311	0.290777
	0.227742	2.404084	0.017283	0.290655
WDR78;DIRAS3	0.215989	2.401476	0.017402	0.291373
WDR18	-0.39378	-2.40326	0.017321	0.290817
GTF3A	-0.17539	-2.40456	0.017261	0.290649
	0.205874	2.407543	0.017126	0.289878
ENSG00000269887	0.237626	2.401263	0.017412	0.291419
	-0.38381	-2.40372	0.017299	0.290724
	-0.15592	-2.40561	0.017213	0.290427
DNAJC16;KAZN;FHAD1;FBLIM1;DDI2	-0.34949	-2.40452	0.017263	0.290649
	0.227796	2.402888	0.017338	0.290897
TSPAN18;ALX4	-0.25864	-2.40368	0.017302	0.290724
SERPINB9;ENSG00000270504	0.389344	2.406516	0.017172	0.290185
	0.219007	2.404779	0.017251	0.290609
	0.344239	2.406273	0.017183	0.290271

	0.350636	2.403889	0.017292	0.290713
	0.114201	2.400471	0.017449	0.291615
CDK20	-0.31926	-2.40795	0.017107	0.289823
	0.319939	2.404453	0.017266	0.290649
	-0.25193	-2.40448	0.017265	0.290649
GPIHBP1;TSTA3;LY6D	0.192576	2.403283	0.01732	0.290812
PTCH1;ENSG00000271314	-0.3783	-2.40215	0.017372	0.291203
PITPNM2	0.261597	2.404801	0.01725	0.290609
	0.350185	2.40548	0.017219	0.290447
	-0.2786	-2.40625	0.017184	0.290271
	-0.30069	-2.40632	0.017181	0.290268
SUMO2P1;GABBR1	0.224571	2.406123	0.01719	0.290271
	-0.16226	-2.40201	0.017378	0.291266
	-0.39602	-2.40363	0.017304	0.290724
	0.272983	2.40539	0.017223	0.290455
	-0.15853	-2.40294	0.017335	0.290871
	0.184542	2.404458	0.017266	0.290649
	-0.24514	-2.40678	0.01716	0.290152
DEFB1;AGPAT5	-0.27475	-2.40408	0.017283	0.290655
CERK;RIBC2;CELSR1;WNT7B	-0.38571	-2.39924	0.017505	0.29194
	0.255216	2.406565	0.01717	0.290166
	-0.27873	-2.39917	0.017509	0.29194
	-0.20886	-2.40662	0.017167	0.290166
POFUT2;C21orf58	0.406979	2.406797	0.017159	0.290152
LRRC18	-0.38961	-2.40175	0.01739	0.291355
	0.200123	2.403767	0.017297	0.290724
	-0.28059	-2.40422	0.017277	0.290655
	-0.26922	-2.40468	0.017256	0.290648
	0.240065	2.404616	0.017259	0.290649
	0.125068	2.400053	0.017468	0.291774
	-0.35993	-2.40557	0.017215	0.290437
	0.213608	2.401141	0.017418	0.291423
	-0.18018	-2.4043	0.017273	0.290655
	0.299395	2.405863	0.017202	0.290379
TRPM2	0.409306	2.398626	0.017534	0.292136
	0.343254	2.405087	0.017237	0.290533
TMEM63B;SLC29A1;POLR1C;MRPL14	-0.23098	-2.40445	0.017266	0.290649
DAB1	0.214142	2.4014	0.017406	0.29139
	-0.40891	-2.40547	0.01722	0.290447
ENSG00000244921	0.210437	2.404126	0.017281	0.290655
	-0.20638	-2.40417	0.017279	0.290655
	-0.35981	-2.40723	0.01714	0.289981
	0.193832	2.403056	0.01733	0.290841
KDM1A	-0.33308	-2.40522	0.017231	0.290508
	-0.21007	-2.40192	0.017382	0.29131
ATOH8;VAMP8;TCF7L1;GGCX;DNAH6;TCF7L1-IT1;KCMF1;LDHAP7	0.265973	2.397366	0.017592	0.292487

	0.268819	2.405323	0.017226	0.290455
TRAF3IP3	0.261419	2.402758	0.017344	0.29095
CAST	-0.43337	-2.40389	0.017292	0.290713
	-0.21172	-2.40449	0.017264	0.290649
	-0.24886	-2.40489	0.017246	0.290609
	0.307124	2.40595	0.017198	0.290352
PRDM11;SLC35C1;CREB3L1;TSPAN18	-0.28358	-2.40133	0.017409	0.291405
GGT5;FAM211B;ZNF70	-0.2991	-2.40543	0.017221	0.290452
	-0.32725	-2.40615	0.017189	0.290271
MOCOS;ZNF396	-0.5792	-2.40459	0.01726	0.290649
TCF7;TIFAB;H2AFY	-0.20894	-2.40155	0.017399	0.291373
	0.298329	2.403197	0.017324	0.29083
	0.311114	2.401098	0.01742	0.291423
	-0.29361	-2.40418	0.017279	0.290655
	0.282634	2.403613	0.017304	0.290724
ENSG00000225417	-0.3924	-2.40665	0.017166	0.290166
IL10RA;CD3G;C2CD2L;CBL;CD3D;CD3E	0.280262	2.404952	0.017243	0.290602
	0.229566	2.405514	0.017218	0.290446
TEAD2	0.223677	2.406147	0.017189	0.290271
	0.227701	2.402686	0.017347	0.290983
	-0.23918	-2.4011	0.01742	0.291423
	0.197313	2.404186	0.017278	0.290655
	0.224432	2.40108	0.017421	0.291423
H3F3A	0.196162	2.400281	0.017457	0.291681
	0.210648	2.400765	0.017435	0.291537
	0.278807	2.398659	0.017532	0.292122
PPP1R18;DDR1;SLC44A4;DDAH2;CLIC1;LTB;HLA-E	-0.20962	-2.39941	0.017497	0.291924
ALPL	0.156582	2.400829	0.017432	0.291521
	-0.28193	-2.4028	0.017342	0.290942
	0.237245	2.399643	0.017487	0.291924
WDR93;HAPLN3;CIB1;PEX11A;TICRR;KIF7;MFGE8;ENSG000002				
59561;CRTC3;IDH2	-0.40828	-2.39856	0.017537	0.292163
	-0.42822	-2.40521	0.017232	0.290508
	-0.19156	-2.40429	0.017274	0.290655
TRAF3IP1;HES6;ENSG00000232306;COL6A3	-0.41283	-2.40143	0.017405	0.291378
ENSG00000232692	-0.24379	-2.39745	0.017589	0.292487
	0.182667	2.398097	0.017558	0.29234
	0.261965	2.400182	0.017462	0.291732
TOMM40	-0.18223	-2.40339	0.017314	0.290793
	0.240698	2.403587	0.017306	0.290724
	-0.22397	-2.40592	0.017199	0.290353
ENSG00000214652	-0.28005	-2.40172	0.017391	0.291355
FERMT3;NRXN2;RASGRP2;CCDC88B;STIP1;CDC42BPG;BATF2	-0.23463	-2.40507	0.017238	0.290534
DDX5;CYB561;MRC2;MARCH10	-0.16614	-2.40017	0.017463	0.291732
	0.332289	2.404106	0.017282	0.290655
	0.176471	2.403889	0.017292	0.290713

	-0.30139	-2.40256	0.017353	0.291026
	0.371431	2.403687	0.017301	0.290724
	0.171338	2.405712	0.017209	0.2904
	0.220945	2.404101	0.017282	0.290655
ANKRD42;PRCP;RAB30	0.289222	2.403874	0.017293	0.290713
	0.29707	2.404368	0.01727	0.290655
	-0.27371	-2.40295	0.017335	0.290869
	-0.18845	-2.4033	0.017319	0.290812
PPP1R18	0.263556	2.404791	0.017251	0.290609
TPST1;INTS4L2	-0.17058	-2.40151	0.017401	0.291373
MDM4	0.203659	2.403875	0.017293	0.290713
NMNAT2	0.26307	2.404699	0.017255	0.290648
	0.272935	2.400789	0.017434	0.29153
	0.156021	2.396388	0.017638	0.292727
	0.203779	2.401467	0.017403	0.291373
PDE6B;ENSG00000252150;RNF212	-0.38556	-2.40179	0.017388	0.291346
	-0.32995	-2.4021	0.017374	0.291213
	-0.17991	-2.39981	0.017479	0.291886
	-0.25813	-2.39954	0.017492	0.291924
TACC3	-0.24801	-2.40116	0.017417	0.291423
	0.295099	2.400043	0.017468	0.291774
	-0.24091	-2.40363	0.017304	0.290724
	-0.31494	-2.39727	0.017597	0.29251
	0.272327	2.404406	0.017268	0.290655
	0.283374	2.402238	0.017367	0.291181
C16orf74	-0.35869	-2.40174	0.01739	0.291355
ABI3;SKAP1;GNGT2	-0.29115	-2.40457	0.017261	0.290649
LYL1;ZNF333;IL27RA	-0.2798	-2.40181	0.017387	0.291346
HCP5;TAP2;TAP1;HLA-DOA;HLA-DMA;HLA-B;PSMB9;HLA-DMB;TAPSAR1;MICB;HLA-DRA;HSPA1B;HLA-DPA1;HLA-DPB1;C2;HSPA1A;HLA-C	0.247805	2.403208	0.017323	0.29083
	0.265521	2.400929	0.017428	0.29148
	0.233419	2.401783	0.017388	0.291346
	-0.29875	-2.40442	0.017268	0.290655
	0.23599	2.398292	0.017549	0.292297
	0.325371	2.401607	0.017396	0.291373
	-0.19492	-2.39879	0.017526	0.292042
MCHR1	-0.3227	-2.40149	0.017402	0.291373
	0.296991	2.404193	0.017278	0.290655
NREP;STARD4-AS1	-0.42242	-2.40426	0.017275	0.290655
PCID2	-0.25791	-2.39964	0.017487	0.291924
DSCAML1;TMPRSS4	0.235435	2.404226	0.017276	0.290655
	0.221004	2.400735	0.017437	0.291548
	-0.19298	-2.40311	0.017327	0.290839
	0.227961	2.403211	0.017323	0.29083
	-0.36094	-2.40158	0.017398	0.291373
	0.371193	2.389278	0.017971	0.294486

THBS2;FAM120B;TCTE3	-0.34952	-2.40182	0.017386	0.291346
CYP26B1;PAIP2B;EXOC6B	0.218948	2.403135	0.017326	0.290839
ZNF629;CTF1;ZNF48;CORO1A;ITGAX	-0.26794	-2.39754	0.017584	0.292487
ATHL1	-0.29639	-2.40452	0.017263	0.290649
ENSG00000259087;RALGAPA1	0.237468	2.397598	0.017582	0.292487
CERCAM;DNM1;ENG;COQ4;LCN2;SH2D3C;GARNL3;WDR34;OD F2;TBC1D13;DOLPP1	-0.34054	-2.4003	0.017457	0.29168
	-0.25455	-2.40123	0.017414	0.291423
NRROS;TCTEX1D2;TNK2;SLC51A;CEP19	-0.32405	-2.39972	0.017484	0.291913
	-0.41172	-2.4009	0.017429	0.29148
BIK;TTLL12	0.207953	2.402764	0.017343	0.29095
	-0.21317	-2.39641	0.017637	0.292727
SLC45A1	-0.46397	-2.40264	0.017349	0.290994
	-0.15935	-2.40239	0.01736	0.291112
	-0.36999	-2.40256	0.017353	0.291026
	0.140029	2.40145	0.017404	0.291374
	0.183545	2.401698	0.017392	0.291355
	-0.28458	-2.39994	0.017473	0.291831
KIAA1462	0.249257	2.396329	0.01764	0.292727
SKI;MEGF6;CEP104	-0.25392	-2.39664	0.017626	0.292669
	-0.25781	-2.40273	0.017345	0.290962
ST6GALNAC1;SPHK1;SMIM6;PRPSAP1	-0.3426	-2.40108	0.01742	0.291423
PLXNC1	-0.43511	-2.40352	0.017309	0.290756
WNT7B;CERK;ENSG00000234869	-0.30582	-2.40153	0.0174	0.291373
	0.127222	2.401548	0.017399	0.291373
IL1R2;RNF149;SLC9A4;TMEM182;MFSD9;CNOT11;SLC9A2	-0.35981	-2.40512	0.017236	0.290519
	0.324482	2.399561	0.017491	0.291924
	0.281494	2.399327	0.017501	0.29194
	0.34647	2.401983	0.017379	0.291272
CLASP1	-0.23642	-2.40105	0.017422	0.291423
THBS2;SMOC2;MLLT4;PHF10;DACT2;WDR27	0.418714	2.398326	0.017548	0.292297
TTC23L;SLC45A2	0.214192	2.40128	0.017411	0.291419
	0.155535	2.395514	0.017678	0.29299
	-0.26206	-2.40132	0.01741	0.291405
PIGU;ERGIC3;DYNLRB1	-0.37921	-2.39952	0.017492	0.291924
	0.201049	2.401095	0.01742	0.291423
MAP4K3	-0.39787	-2.39893	0.01752	0.291996
RAB11A;SNAPC5;SMAD6;AAGAB	0.206935	2.399242	0.017505	0.29194
QRSL1P3;RALGAPA1;SRP54	-0.28635	-2.40111	0.017419	0.291423
ZNF663P;SLC13A3;WFDC6;SYS1;SDC4;EPPIN;TOMM34;HSPD1P 21	0.285881	2.399606	0.017489	0.291924
	-0.23144	-2.39553	0.017678	0.29299
PSMG3;MAD1L1;SUN1;PRKAR1B;IQCE;GPR146;CHST12;HEATR 2;GPER1	-0.31048	-2.40126	0.017412	0.291419
LINC00426;USPL1	0.209196	2.402068	0.017375	0.29123
SUN1	0.265311	2.401891	0.017383	0.291321

	0.258246	2.403438	0.017312	0.290782
	0.156043	2.400506	0.017447	0.291615
	0.307455	2.401681	0.017393	0.291355
RPS27A;ENSG00000203327	0.338504	2.397488	0.017587	0.292487
	0.266266	2.400355	0.017454	0.291659
ABCA3;SOX8;ENSG00000260807;TBC1D24;HN1L;CCNF;UNKL;C				
ACNA1H	-0.56881	-2.40006	0.017468	0.291774
	0.183847	2.400593	0.017443	0.291601
PLXND1;COL6A6	-0.35028	-2.39948	0.017495	0.291924
	-0.17865	-2.40167	0.017394	0.291355
	0.215526	2.3983	0.017549	0.292297
	0.290069	2.400412	0.017451	0.291649
	-0.18086	-2.39729	0.017596	0.292507
	0.235259	2.398022	0.017562	0.29234
	-0.27044	-2.40013	0.017465	0.291742
	-0.15598	-2.39977	0.017481	0.291896
	-0.24374	-2.40054	0.017445	0.291615
	-0.24862	-2.40297	0.017334	0.290869
	0.20265	2.394747	0.017714	0.293102
	0.290832	2.39935	0.0175	0.29194
ENSG00000272323	-0.35667	-2.39499	0.017703	0.293102
TRIM25;RAD51C;DYNLL2	0.255773	2.395644	0.017672	0.292959
	-0.34536	-2.39685	0.017616	0.292642
	-0.16725	-2.39569	0.01767	0.292959
	0.264971	2.399004	0.017516	0.291982
	0.186565	2.4005	0.017447	0.291615
	-0.14945	-2.39487	0.017708	0.293102
	0.280245	2.400681	0.017439	0.291556
	-0.29029	-2.39669	0.017624	0.292669
LHFP	0.273099	2.400499	0.017447	0.291615
AIM2;ENSG00000213080;DARC;ENSG00000225670	-0.30722	-2.40362	0.017304	0.290724
PIGR;RASSF5	-0.28671	-2.4007	0.017438	0.291549
	0.245916	2.401366	0.017407	0.291393
	0.263786	2.397707	0.017576	0.292458
	-0.3319	-2.40047	0.017449	0.291615
	0.353231	2.39709	0.017605	0.292605
	0.275832	2.399417	0.017497	0.291924
	-0.22922	-2.40282	0.017341	0.290938
HLA-F	0.263354	2.397785	0.017573	0.292444
NEK5	0.34348	2.401369	0.017407	0.291393
NRCAM;ENSG00000241764	0.266385	2.400309	0.017456	0.29168
	-0.16697	-2.39962	0.017488	0.291924
COL4A2;COL4A1	-0.44443	-2.40115	0.017417	0.291423
	-0.30809	-2.40392	0.017291	0.290713
	0.182266	2.39811	0.017558	0.29234
	-0.27918	-2.39942	0.017497	0.291924
	-0.22053	-2.40039	0.017452	0.291651

ILDR2;DUSP27	0.328148	2.394722	0.017715	0.293102
ZNF496	-0.26955	-2.39756	0.017583	0.292487
	-0.29911	-2.39852	0.017539	0.292181
	0.273284	2.402523	0.017354	0.29104
	-0.22511	-2.39603	0.017654	0.292806
	0.206253	2.400379	0.017453	0.291651
	-0.31567	-2.4017	0.017392	0.291355
	-0.19686	-2.39628	0.017643	0.292727
GPER1	-0.17152	-2.39779	0.017573	0.292444
ENSG00000251637	0.219945	2.395215	0.017692	0.293045
	0.214681	2.39772	0.017576	0.292458
	-0.25439	-2.40054	0.017445	0.291615
	0.28416	2.39985	0.017477	0.291877
	-0.2924	-2.39905	0.017515	0.291961
	0.218923	2.400789	0.017434	0.29153
SORBS1;ENSG00000269948;BLNK	-0.42332	-2.39667	0.017625	0.292669
HLA-DMB;TAP1;HLA-DPB1;HLA-DOA;HLA-DMA;TAPSAR1;HLA-DPA1;HLA-DRA;PSMB9;TAP2;RPL32P1;GPSM3;CFB;PSMB8;HLA-DQA2	0.27085	2.400134	0.017464	0.291742
	0.222417	2.399146	0.01751	0.29194
	-0.34245	-2.39938	0.017499	0.291935
	-0.3508	-2.3989	0.017521	0.291996
	0.165321	2.398029	0.017562	0.29234
ENSG00000196674;HN1L;TMEM204	-0.20556	-2.39916	0.017509	0.29194
	0.17632	2.401046	0.017422	0.291423
	-0.1715	-2.39703	0.017608	0.292606
AOAH	0.347781	2.401527	0.0174	0.291373
IL10RA	-0.24112	-2.40224	0.017368	0.291181
	-0.21489	-2.38993	0.01794	0.29428
STARD13;KL;STARD13-AS	0.514575	2.399297	0.017503	0.29194
	0.285741	2.398058	0.01756	0.29234
AFF3;INPP4A;TXNDC9;KIAA1211L;YWHAQP5	-0.35809	-2.39731	0.017595	0.292503
	0.372199	2.399545	0.017491	0.291924
ST6GALNAC1	-0.24384	-2.39979	0.01748	0.291886
	0.184072	2.394595	0.017721	0.293142
	0.235316	2.395319	0.017688	0.293005
BCYRN1	-0.23832	-2.39806	0.01756	0.29234
	-0.18243	-2.39807	0.01756	0.29234
	0.109946	2.394157	0.017742	0.293278
	0.309796	2.399157	0.017509	0.29194
	-0.32261	-2.40099	0.017425	0.291454
	-0.24108	-2.3993	0.017503	0.29194
	0.1727	2.397735	0.017575	0.292458
PLXDC1;ACACA;ENSG00000239581	-0.24905	-2.39893	0.01752	0.291996
	-0.42109	-2.40157	0.017398	0.291373
GORASP2	-0.19894	-2.39736	0.017592	0.292487

	-0.15438	-2.39501	0.017702	0.293102
	0.378625	2.402627	0.01735	0.290994
	0.260605	2.402148	0.017372	0.291203
	-0.1892	-2.39219	0.017834	0.293677
LSM2	-0.17968	-2.39319	0.017787	0.293472
	0.262025	2.39941	0.017498	0.291924
FOXA3;SNRPD2	0.194055	2.39921	0.017507	0.29194
	0.172405	2.398198	0.017554	0.29233
CBX2;BAIAP2-AS1;RPTOR	0.493649	2.397136	0.017603	0.292592
	-0.23909	-2.39789	0.017568	0.292393
	0.285857	2.395273	0.01769	0.29303
PLA2G4C;CARD8;TEAD2;HRC;CYTH2;FUT2;EHD2;EMP3;RASIP1;				
HSD17B14;CD37;FAM83E	-0.25459	-2.39674	0.017621	0.292668
	0.261188	2.397476	0.017587	0.292487
	0.27502	2.399172	0.017509	0.29194
RASA3	-0.34021	-2.39803	0.017562	0.29234
	-0.25051	-2.39672	0.017622	0.292668
	-0.189	-2.39623	0.017645	0.292746
PDE3B	0.217992	2.396075	0.017652	0.292802
	0.266599	2.396568	0.017629	0.292675
	-0.23468	-2.39336	0.017779	0.293472
	0.205313	2.396156	0.017649	0.292768
	0.291407	2.392984	0.017797	0.293472
GLIS2;CDIP1;C16orf71;SRL;GLYR1;CREBBP;SEC14L5;SMIM22	-0.33713	-2.39645	0.017635	0.292727
	0.231185	2.396812	0.017618	0.292642
	0.334417	2.397935	0.017566	0.292373
	0.129914	2.392814	0.017805	0.293547
MEGF6;PRDM16	-0.38661	-2.39942	0.017497	0.291924
OARD1;PRICKLE4	0.308627	2.397022	0.017608	0.292606
CXCL14;H2AFY	-0.28467	-2.39905	0.017514	0.291961
COX5A;SCAMP2;C15orf59;NPTN;ISLR;ISLR2	-0.305	-2.39682	0.017617	0.292642
	-0.3476	-2.39588	0.017661	0.292899
	0.31726	2.396319	0.017641	0.292727
	-0.20271	-2.39687	0.017615	0.292642
	0.264548	2.391958	0.017845	0.293734
C14orf93	-0.19382	-2.39751	0.017586	0.292487
	0.2652	2.393571	0.017769	0.293416
	-0.27337	-2.39832	0.017548	0.292297
PRICKLE1	0.311897	2.398101	0.017558	0.29234
	-0.35674	-2.39628	0.017643	0.292727
	0.210062	2.396278	0.017643	0.292727
	0.350142	2.399429	0.017497	0.291924
	-0.22418	-2.39305	0.017794	0.293472
SCAMP4;PCSK4	-0.17395	-2.3944	0.017731	0.293219
	0.297628	2.396373	0.017638	0.292727
	-0.25036	-2.39958	0.01749	0.291924

ENSG00000232386	0.265865	2.396641	0.017626	0.292669
	0.165882	2.398896	0.017521	0.291996
	0.483571	2.399713	0.017484	0.291913
	-0.26286	-2.3957	0.01767	0.292959
	-0.26504	-2.39736	0.017593	0.292487
	-0.42938	-2.39144	0.017869	0.293798
	-0.20371	-2.3894	0.017965	0.294424
	0.21425	2.398682	0.017531	0.292116
	-0.23284	-2.39694	0.017612	0.292637
STXBP1	0.178618	2.399403	0.017498	0.291924
	-0.16195	-2.39738	0.017592	0.292487
NLK	-0.2302	-2.39505	0.0177	0.293088
	0.206569	2.399578	0.01749	0.291924
PPP6R3;CHKA;GSTP1	0.198585	2.397987	0.017564	0.292356
ZNRF2P2;PRR15	0.488781	2.400184	0.017462	0.291732
TTC34	-0.29004	-2.39894	0.017519	0.291996
	0.266257	2.396817	0.017618	0.292642
	-0.24273	-2.39532	0.017687	0.293005
C11orf89;TSPAN4;TSPAN32;C11orf21	-0.35209	-2.3997	0.017484	0.291913
	-0.31126	-2.3992	0.017507	0.29194
	0.199354	2.396053	0.017653	0.292802
LDB2;CC2D2A;ENSG00000251379;C1QTNF7;CD38;PROM1	0.32447	2.397396	0.017591	0.292487
WDR45B;PCYT2;NOTUM;TBCD;STRA13;LINC00482;SLC25A10	-0.24755	-2.39656	0.01763	0.292675
	0.191841	2.391386	0.017872	0.293814
	0.28941	2.400658	0.01744	0.291562
	0.260665	2.397448	0.017588	0.292487
	0.273376	2.39549	0.01768	0.29299
PTPRS;FUT3;HSD11B1L;RFX2	-0.30279	-2.39156	0.017864	0.293787
	0.314203	2.395722	0.017669	0.292959
	-0.17556	-2.39766	0.017578	0.292469
	0.262299	2.398904	0.017521	0.291996
SEPT4;VEZF1;MSI2	-0.22637	-2.39732	0.017594	0.292503
	-0.25698	-2.393	0.017796	0.293472
VDAC3	-0.24901	-2.39534	0.017687	0.293005
VAV1	0.318279	2.398799	0.017526	0.292042
	0.253894	2.397398	0.017591	0.292487
PDCD6;SDHAP3	0.249399	2.399425	0.017497	0.291924
	-0.19683	-2.39559	0.017675	0.292977
	-0.17869	-2.39003	0.017936	0.29428
ENSG00000260682	-0.25429	-2.39797	0.017564	0.292359
LCK	-0.22153	-2.39991	0.017474	0.291839
	0.178557	2.393876	0.017755	0.293278
	-0.18129	-2.39328	0.017783	0.293472
PEAR1;SH2D2A;SYT11;HDGF;MEF2D;LRRC71;NES	0.275083	2.396789	0.017619	0.292643
SMG5	-0.22016	-2.39331	0.017781	0.293472

	0.302781	2.39805	0.017561	0.29234
ELMO1	0.332584	2.396054	0.017653	0.292802
GLYATL2	-0.27265	-2.39606	0.017653	0.292802
	-0.22001	-2.39477	0.017713	0.293102
	0.133865	2.398821	0.017525	0.292042
	-0.2604	-2.39816	0.017556	0.29234
SMIM5;GPRC5C;SLC16A5;FDXR;UNC13D	0.217016	2.399172	0.017509	0.29194
	-0.20752	-2.39535	0.017686	0.293005
	0.267632	2.397004	0.017609	0.292606
	0.152588	2.396349	0.01764	0.292727
	0.227079	2.395719	0.017669	0.292959
PTPRN2;RNF32	-0.35731	-2.39657	0.017629	0.292675
ATXN10;PARVG;LDOC1L;NUP50	-0.24637	-2.39199	0.017843	0.293723
	1.605341	2.394322	0.017734	0.293242
ABCD3;ABCA4;ARHGAP29;GCLM;ENSG00000226026;ENSG000				
00233129;DNTTIP2	-0.38353	-2.39405	0.017747	0.293278
	-0.34165	-2.3954	0.017684	0.293005
CALM1;TC2N;EFCAB11	0.231671	2.390726	0.017903	0.294101
	0.181395	2.397177	0.017601	0.292571
	-0.23994	-2.39598	0.017657	0.292832
	-0.18876	-2.39387	0.017755	0.293278
	-0.23624	-2.39911	0.017512	0.291943
	0.216755	2.395644	0.017672	0.292959
	-0.25567	-2.39742	0.01759	0.292487
	0.339085	2.390025	0.017936	0.29428
TNFRSF1B;PLOD1;TNFRSF8;MIIP	-0.19146	-2.3963	0.017642	0.292727
	0.208017	2.399954	0.017473	0.291831
TUBB6;SPIRE1;ZNF519;ENSG00000267199	-0.37455	-2.3913	0.017876	0.293871
	-0.26258	-2.39747	0.017587	0.292487
	0.154273	2.397074	0.017606	0.292605
	0.262178	2.395588	0.017675	0.292977
	-0.25136	-2.39861	0.017535	0.292136
GPBP1;RAB3C	0.289414	2.39566	0.017672	0.292959
	-0.17898	-2.39444	0.017728	0.293193
	0.168946	2.39249	0.01782	0.293592
	0.183315	2.391986	0.017844	0.293723
	0.309858	2.393865	0.017755	0.293278
CCDC19;TSTD1;ATP1A2;CADM3;VANGL2;IGSF9;ENSG00000225				
670;DARC	-0.20854	-2.39336	0.017779	0.293472
LDB2;FGFBP1	-0.35701	-2.39255	0.017817	0.293584
	0.242758	2.393083	0.017792	0.293472
	-0.38165	-2.39507	0.017699	0.293088
	0.24981	2.398257	0.017551	0.292307
	-0.3881	-2.3962	0.017647	0.292747
	0.157659	2.396713	0.017623	0.292668
	0.244514	2.393932	0.017752	0.293278
JAK3;FCHO1;SLC27A1	-0.19114	-2.39836	0.017546	0.292295

	0.302916	2.397574	0.017583	0.292487
	-0.35888	-2.39515	0.017695	0.293047
KLF5;PIBF1	-0.37423	-2.39072	0.017903	0.294101
	0.280745	2.39474	0.017715	0.293102
MEIS3	-0.24835	-2.39532	0.017687	0.293005
	-0.23751	-2.39461	0.017721	0.293142
RIMS3;SMAP2;MFSD2A;SCMH1;FOXO6;KCNQ4	-0.36061	-2.39477	0.017713	0.293102
ENSG00000196674	-0.32726	-2.3991	0.017512	0.291943
XPO6;KIAA0556;KDM8	-0.22863	-2.39828	0.01755	0.292297
LGI3	-0.25732	-2.39422	0.017739	0.293278
	0.28424	2.39425	0.017737	0.293275
TNFRSF14	0.317689	2.392916	0.0178	0.293498
	0.117191	2.394111	0.017744	0.293278
	0.173667	2.394921	0.017706	0.293102
TSPAN4;MRPL23;TALDO1;MOB2;IGF2;ATHL1;ENSG00000251661;LRRC56;DEAF1;IFITM3;ENSG00000250397;IFITM1;MUC5AC	-0.21793	-2.39455	0.017723	0.293144
	0.218214	2.396604	0.017628	0.292675
	-0.28293	-2.39333	0.01778	0.293472
	0.16754	2.395436	0.017682	0.293005
	0.247174	2.398199	0.017554	0.29233
	-0.32377	-2.39746	0.017588	0.292487
MIR600HG;STRBP;NR6A1	-0.19783	-2.39301	0.017795	0.293472
	-0.31282	-2.39112	0.017884	0.293976
	0.117718	2.393564	0.01777	0.293416
	0.245484	2.39431	0.017735	0.293242
	0.181312	2.395051	0.0177	0.293088
	-0.31178	-2.39693	0.017613	0.292637
	0.279637	2.394154	0.017742	0.293278
	0.238495	2.392355	0.017826	0.293616
ENSG00000254510	0.188944	2.395157	0.017695	0.293047
	-0.17109	-2.39407	0.017746	0.293278
	-0.23698	-2.39584	0.017663	0.292907
	0.323585	2.396665	0.017625	0.292669
ST6GALNAC1;SPHK1;ST6GALNAC2;UNC13D;SMIM6;PRPSAP1;SMIM5	-0.38379	-2.39389	0.017754	0.293278
	0.274265	2.395231	0.017692	0.293045
ABI3;TAC4	0.332243	2.396999	0.017609	0.292606
	0.268407	2.396292	0.017642	0.292727
ITGA9;VILL;ACVR2B;XYLB;ENSG00000235257;TTC21A	-0.33036	-2.39368	0.017764	0.293375
	0.257217	2.395367	0.017685	0.293005
KIAA1522;FNDC5;SYNC;YARS;TMEM54;LCK	-0.28386	-2.39332	0.017781	0.293472
	0.204041	2.394085	0.017745	0.293278
	-0.44735	-2.39144	0.017869	0.293798
	0.310661	2.395674	0.017671	0.292959
	0.313648	2.394888	0.017708	0.293102
ZC3H6;RABL2A	-0.27574	-2.38795	0.018034	0.294781

	0.325145	2.392553	0.017817	0.293584
TREM2;C6orf132	-0.3721	-2.39446	0.017728	0.293193
	-0.25582	-2.3941	0.017745	0.293278
	-0.32481	-2.39764	0.01758	0.292474
NTM	0.317047	2.394828	0.01771	0.293102
	-0.15041	-2.39078	0.0179	0.294091
GRTP1	-0.30925	-2.39708	0.017606	0.292605
	0.377534	2.394171	0.017741	0.293278
GSKIP;BDKRB2;AK7	0.226653	2.396894	0.017614	0.292642
	-0.15334	-2.39418	0.017741	0.293278
	0.186558	2.392783	0.017806	0.293557
	0.248283	2.397681	0.017578	0.292466
	0.217244	2.3969	0.017614	0.292642
	0.18571	2.391006	0.01789	0.294018
	0.305085	2.397744	0.017575	0.292458
	0.206139	2.391807	0.017852	0.293784
	-0.2403	-2.39659	0.017628	0.292675
	-0.38895	-2.39379	0.017759	0.293326
	-0.35774	-2.39038	0.017919	0.294221
	-0.24366	-2.39186	0.01785	0.293784
TSPAN4;TSPAN32;DEAF1;MOB2;TALDO1;MRPL23	-0.32294	-2.39403	0.017748	0.293278
	-0.40296	-2.3968	0.017618	0.292642
	0.256522	2.387591	0.018051	0.294847
PKDREJ	-0.28306	-2.3933	0.017782	0.293472
SMIM5;FDXR;RNF157-AS1	0.37782	2.396201	0.017646	0.292747
KIAA1755;RPRD1B;RALGAPB	0.282965	2.391126	0.017884	0.293976
	-0.29993	-2.39476	0.017713	0.293102
	0.187965	2.393881	0.017755	0.293278
GPR176;SPINT1;DLL4;ENSG00000261183;C15orf52;RHOV;FSIP1;LTK;RMDN3	-0.25813	-2.39457	0.017723	0.293142
	-0.35905	-2.39304	0.017794	0.293472
	-0.21596	-2.39636	0.017639	0.292727
	0.217725	2.390009	0.017937	0.29428
ENSG00000259225	-0.3953	-2.39215	0.017836	0.293677
	0.288327	2.39703	0.017608	0.292606
	-0.19529	-2.38932	0.017969	0.294473
RABL2A;TTL	-0.37086	-2.38595	0.018129	0.295265
TRIM2;KIAA0922;TIGD4;TMEM154;SFRP2;ARFIP1	-0.39634	-2.39167	0.017858	0.293784
	-0.2485	-2.39787	0.017569	0.2924
COX14;TMBIM6	-0.2793	-2.39266	0.017812	0.293557
	0.29904	2.394018	0.017748	0.293278
	-0.24232	-2.388	0.018032	0.294781
TSPAN32	-0.2293	-2.39581	0.017665	0.292924
	0.191831	2.392416	0.017823	0.293605
	0.245286	2.393236	0.017785	0.293472
	0.338002	2.394449	0.017728	0.293193
	-0.30686	-2.38781	0.018041	0.294785

	-0.3159	-2.39331	0.017782	0.293472
ICOSLG;TRPM2;LRRC3;ITGB2;ENSG00000225331;LRRC3DN;CSTB	-0.29102	-2.39471	0.017716	0.293102
	0.309956	2.394918	0.017706	0.293102
	0.284271	2.396268	0.017643	0.292727
	0.343925	2.391074	0.017886	0.293982
	0.257085	2.395577	0.017676	0.292977
	0.213113	2.39199	0.017843	0.293723
	0.221784	2.395398	0.017684	0.293005
	0.127733	2.393439	0.017775	0.293472
	-0.2602	-2.38837	0.018014	0.294771
MCU	0.241956	2.395156	0.017695	0.293047
EPT1;PREB;PPM1G;OST4;SLC35F6;RAB10;HADHB	0.179556	2.393569	0.017769	0.293416
	-0.12	-2.39157	0.017863	0.293787
	0.180397	2.39375	0.017761	0.293333
	0.212035	2.39244	0.017822	0.293598
	0.200543	2.39183	0.017851	0.293784
NOTCH4	-0.22222	-2.39492	0.017706	0.293102
	0.236664	2.394833	0.01771	0.293102
	-0.43865	-2.39314	0.017789	0.293472
HIC1;SCARF1;MYO1C;SLC43A2;PITPNA	-0.31186	-2.39266	0.017812	0.293557
RPRD1B;DLGAP4;KIAA1755	-0.31285	-2.39032	0.017922	0.294221
	0.244917	2.392558	0.017817	0.293584
GRB10	0.272966	2.39345	0.017775	0.293472
RMRP	0.203878	2.394738	0.017715	0.293102
	-0.19469	-2.39323	0.017785	0.293472
	-0.24207	-2.3905	0.017914	0.29422
MBOAT1	-0.36854	-2.39163	0.01786	0.293784
	-0.19266	-2.3903	0.017923	0.294221
	0.384387	2.395848	0.017663	0.292907
	0.337737	2.391393	0.017871	0.293814
RCSD1;CD247	-0.33767	-2.39251	0.017819	0.293586
TSTA3;GPIHBP1;LY6E	-0.28337	-2.39161	0.017861	0.293784
SH3TC1;CCDC96;ABLIM2;AFAP1;KIAA0232	-0.28744	-2.39295	0.017798	0.293487
	-0.22095	-2.39265	0.017812	0.293557
RNF213;ENDOV	0.176487	2.39437	0.017732	0.293228
	0.157105	2.391763	0.017854	0.293784
NUDC;HMGN2;UBXN11;PIGV	0.216991	2.395511	0.017679	0.29299
	0.191123	2.390129	0.017931	0.294268
	-0.19876	-2.394	0.017749	0.293278
TBCC;ENSG00000223946	0.202504	2.392456	0.017821	0.293597
	0.151179	2.389924	0.017941	0.29428
	0.302998	2.392164	0.017835	0.293677
	-0.25587	-2.39327	0.017783	0.293472
CCM2L;RNU1-94P;FOXS1	-0.29865	-2.39267	0.017811	0.293557
	-0.3474	-2.39549	0.01768	0.29299
SEC24D	0.328758	2.392994	0.017796	0.293472

	0.219153	2.391451	0.017869	0.293798
	0.301589	2.388622	0.018002	0.294714
	-0.24869	-2.39431	0.017735	0.293242
	-0.27891	-2.39493	0.017706	0.293102
	-0.10427	-2.39169	0.017857	0.293784
TPPP;LPCAT1	-0.26147	-2.39399	0.01775	0.293278
	-0.14549	-2.3902	0.017927	0.294232
	0.217437	2.392906	0.0178	0.293498
	0.270377	2.393555	0.01777	0.293416
RIMS4;STK4;PI3;IFT52	-0.28801	-2.38968	0.017952	0.294325
GALNT16;KIAA0247;SLC39A9;ZFP36L1;ACTN1	-0.30059	-2.39038	0.017919	0.294221
	-0.2746	-2.39521	0.017693	0.293045
	-0.28076	-2.39416	0.017742	0.293278
ENSG00000228956	0.372116	2.393147	0.017789	0.293472
	-0.1796	-2.38849	0.018008	0.294752
NR2F6;MYO9B;JAK3;USHBP1;PLVAP;GDF15;MAST3;FCHO1;ELL; FAM129C	-0.28758	-2.38783	0.01804	0.294785
	-0.24957	-2.39127	0.017877	0.293881
	0.184961	2.392991	0.017796	0.293472
LAMP3;B3GNT5	-0.34241	-2.39303	0.017794	0.293472
CAPS;CATSPERD	0.168784	2.393906	0.017754	0.293278
	0.214095	2.387343	0.018063	0.294952
	0.363191	2.395354	0.017686	0.293005
	-0.26991	-2.38714	0.018073	0.294952
IFFO1;VWF;CLSTN3;ANO2;SCNN1A;C1R;NTF3;LEPREL2;C1RL;RBP5;C1S;CD27;CD9;LRRC23;C1RL-AS1;ENSG00000257084;SPSB2;ATN1;ENSG00000271969;GPR162	-0.32553	-2.39045	0.017916	0.294221
	0.304985	2.394596	0.017721	0.293142
	0.273145	2.391086	0.017886	0.293982
	0.200475	2.391496	0.017867	0.293787
PIK3CG	-0.29698	-2.39275	0.017808	0.293557
	-0.20745	-2.39315	0.017789	0.293472
	0.270251	2.391774	0.017854	0.293784
	0.225056	2.390937	0.017893	0.294027
	-0.32246	-2.3876	0.018051	0.294847
	-0.34831	-2.39473	0.017715	0.293102
	0.177807	2.389204	0.017975	0.294505
	-0.26557	-2.39213	0.017837	0.293677
KIAA1614;ENSG00000237292;STX6	-0.25832	-2.38836	0.018015	0.294771
	0.206271	2.390988	0.017891	0.294021
TAP1;HLA-DMA;HLA-DPB1;HLA-DMB;PSMB9;TAP2;TAPSAR1;HLA-DOA;HLA-DPA1;HLA-DRA;PSMB8;HLA-DRB1;RPL32P1	-0.28852	-2.39519	0.017693	0.293047
	0.203085	2.394676	0.017718	0.293116
PLXDC1	0.210302	2.394883	0.017708	0.293102
	0.179338	2.390899	0.017895	0.294045

TACSTD2;OMA1	-0.31565	-2.38968	0.017952	0.294325
	0.115215	2.390817	0.017899	0.294079
TAL1;CMPK1;CYP4B1	0.253333	2.386774	0.01809	0.295031
	-0.26007	-2.39398	0.01775	0.293278
	0.129391	2.393764	0.01776	0.293333
	0.242754	2.391602	0.017862	0.293784
C5orf56;PDLIM4;P4HA2;ACSL6;UQCRQ	-0.25659	-2.39359	0.017768	0.293416
CALHM2;USMG5	-0.31139	-2.38862	0.018002	0.294714
	-0.21694	-2.3836	0.018241	0.29583
	-0.26413	-2.39176	0.017854	0.293784
	0.169896	2.392726	0.017809	0.293557
HSBP1L1	-0.24238	-2.38817	0.018024	0.294781
RPS3AP34	-0.34412	-2.39087	0.017896	0.294058
	-0.19101	-2.39313	0.01779	0.293472
	0.217139	2.392281	0.01783	0.293652
	-0.20109	-2.39477	0.017713	0.293102
EMILIN1	0.255982	2.392361	0.017826	0.293616
	0.143989	2.393014	0.017795	0.293472
	-0.32875	-2.38887	0.017991	0.29464
	0.210154	2.389678	0.017952	0.294325
	0.549168	2.391866	0.017849	0.293784
HMGXB3;MYOZ3	0.224193	2.389231	0.017973	0.294501
HMHA1;ARID3A;MOB3A	-0.27067	-2.39457	0.017723	0.293142
	0.261236	2.392847	0.017803	0.293533
	0.256892	2.390074	0.017934	0.29428
	0.233953	2.390431	0.017917	0.294221
	0.196725	2.392119	0.017837	0.293677
MIEF2;COPS3;ALKBH5;TBC1D27	-0.31131	-2.38789	0.018037	0.294783
	-0.23657	-2.38588	0.018133	0.295277
	-0.24293	-2.39025	0.017925	0.294221
	-0.39717	-2.39272	0.017809	0.293557
	-0.22522	-2.39261	0.017814	0.293571
	0.250725	2.393116	0.017791	0.293472
PSMG3	0.181547	2.393198	0.017787	0.293472
FAM101B	-0.22015	-2.39226	0.017831	0.293652
	0.277178	2.393028	0.017795	0.293472
	-0.27853	-2.39075	0.017902	0.294101
SETBP1	-0.25944	-2.38494	0.018177	0.295484
PARD3	0.356901	2.394034	0.017748	0.293278
	-0.13052	-2.39215	0.017836	0.293677
	0.282979	2.392059	0.01784	0.293712
IGF2BP3	-0.24064	-2.3915	0.017866	0.293787
	0.399749	2.391687	0.017858	0.293784
NRROS	-0.3025	-2.39269	0.017811	0.293557
	-0.27962	-2.39313	0.01779	0.293472
ERLIN1	0.426566	2.389063	0.017981	0.294541
ACP5;ZNF44;DOCK6;EPOR;RGL3;KANK2;AP1M2;CNN1	-0.27036	-2.39152	0.017866	0.293787

FDXR;UNC13D;MRPS7;SLC16A5;SLC9A3R1;TTYH2;ICT1;SUMO2;				
TRIM65;GGA3;ENSG00000264853;GPRC5C;HN1;DNAI2;SMIM6	0.212844	2.393992	0.017749	0.293278
	0.290885	2.392478	0.01782	0.293592
	-0.12352	-2.38729	0.018065	0.294952
	0.219076	2.392721	0.017809	0.293557
	0.226273	2.388068	0.018029	0.294781
	0.223218	2.391666	0.017859	0.293784
	-0.42286	-2.39387	0.017755	0.293278
	0.229381	2.386701	0.018093	0.295065
STAT4;STAT1	0.278335	2.3916	0.017862	0.293784
	0.209742	2.389967	0.017939	0.29428
	0.228246	2.393435	0.017776	0.293472
	-0.16133	-2.38967	0.017953	0.294325
	-0.27308	-2.39477	0.017713	0.293102
KIF21B;PTPN7;ELF3	-0.38998	-2.38941	0.017965	0.294424
	0.271035	2.387532	0.018054	0.294881
	0.211647	2.387821	0.01804	0.294785
PCDH12;ARHGAP26;ARAP3;KIAA0141	0.28588	2.392383	0.017825	0.293616
	0.17982	2.389603	0.017956	0.294325
	0.274164	2.38587	0.018133	0.295277
RGS11	0.255724	2.388638	0.018002	0.294714
	-0.14329	-2.38888	0.01799	0.29464
	0.247049	2.391553	0.017864	0.293787
MYEOV2	0.187406	2.391739	0.017855	0.293784
	0.171911	2.391682	0.017858	0.293784
	0.179731	2.389731	0.01795	0.294325
	0.26034	2.392247	0.017831	0.293652
	0.197845	2.391604	0.017862	0.293784
	0.19162	2.391495	0.017867	0.293787
	0.239681	2.389089	0.01798	0.29454
	0.223305	2.387253	0.018067	0.294952
NME4;RGS11;HN1L;SOX8;TMEM204;CACNA1H;TPSD1;ENSG00				
000260807;RAB11FIP3	-0.22389	-2.39033	0.017922	0.294221
	-0.15863	-2.38539	0.018156	0.295399
	-0.25192	-2.38693	0.018083	0.295018
LIFR;GOLGA5P1;FYB	0.366529	2.390264	0.017925	0.294221
	-0.2339	-2.38847	0.01801	0.294752
	0.257599	2.387959	0.018034	0.294781
	0.224579	2.389773	0.017948	0.294319
	0.322001	2.391991	0.017843	0.293723
	0.244149	2.387229	0.018068	0.294952
SEMA6A	0.320774	2.390941	0.017893	0.294027
	0.258422	2.387941	0.018035	0.294781
TCTE1;DLK2;RSPH9;LRRC73;ENSG00000272442;ABCC10;VEGFA				
;SPATS1;GTPBP2	-0.34957	-2.3848	0.018184	0.295525
	-0.26266	-2.39252	0.017819	0.293586

	0.270541	2.38795	0.018034	0.294781
PTPN7;CYB5R1;RNPEP;ELF3;TMEM9;PPP1R12B;PPFIA4	-0.27479	-2.39234	0.017827	0.293616
ARHGAP26	-0.22271	-2.39027	0.017924	0.294221
	0.304533	2.391659	0.017859	0.293784
	0.18928	2.388599	0.018003	0.294718
	0.269743	2.388051	0.018029	0.294781
	0.246704	2.389623	0.017955	0.294325
	0.18892	2.389152	0.017977	0.294523
	0.160751	2.388112	0.018026	0.294781
	0.23538	2.393208	0.017786	0.293472
ENSG00000257279	0.325499	2.389854	0.017944	0.294306
	0.245748	2.38956	0.017958	0.294347
RHOH;NSUN7;WDR19;RBM47;UGDH	0.449062	2.388661	0.018	0.294714
	0.252855	2.389469	0.017962	0.294395
SLIRP;SNW1	-0.40755	-2.38963	0.017954	0.294325
SCARNA10	-0.17547	-2.3841	0.018217	0.295711
	0.241059	2.389029	0.017983	0.294555
	0.308137	2.390006	0.017937	0.29428
	0.269542	2.387357	0.018062	0.294952
ENSG00000230333;THSD7A	-0.41951	-2.3899	0.017942	0.294284
	0.225212	2.390394	0.017919	0.294221
DNMBP;LINC00263;HPSE2	0.330234	2.389949	0.01794	0.29428
	0.284937	2.390175	0.017929	0.294243
	-0.17286	-2.39057	0.01791	0.294178
SACS;MIPEP;SPATA13;PARP4	-0.38173	-2.3857	0.018141	0.2953
MAP4	-0.27889	-2.38822	0.018022	0.29478
AP1M2;KANK2;ZNF440;KEAP1;CNN1;SMARCA4;PDE4A;TMED1	0.369709	2.38606	0.018124	0.295265
	0.274021	2.39063	0.017907	0.29414
	0.139373	2.387862	0.018038	0.294785
	0.289834	2.392613	0.017814	0.293571
	-0.25161	-2.39028	0.017924	0.294221
	0.171573	2.388744	0.017997	0.294706
	0.372952	2.380394	0.018396	0.296634
	-0.23507	-2.39071	0.017904	0.294103
	0.159803	2.381303	0.018352	0.296351
	-0.24914	-2.38646	0.018105	0.295152
	-0.20142	-2.38265	0.018287	0.296107
	-0.1966	-2.39081	0.017899	0.294079
	-0.27001	-2.38608	0.018123	0.295265
	-0.28419	-2.38931	0.01797	0.294473
NXPH3;SGCA;COL1A1;SAMD14;ANKRD40;CACNA1G;LRRC59;M				
YCBPAP	0.220528	2.387133	0.018073	0.294952
HEXIM2	0.168055	2.390944	0.017893	0.294027
FER1L6;FAM83A	0.294558	2.391068	0.017887	0.293982
	0.200856	2.386106	0.018122	0.295265
	0.208205	2.387963	0.018034	0.294781

LOH12CR1	0.250927	2.39224	0.017832	0.293652
MEGF10	-0.35793	-2.38984	0.017945	0.294306
EGFR-AS1	-0.20539	-2.3862	0.018117	0.295263
	-0.26124	-2.39032	0.017922	0.294221
FANCI;ISG20;ABHD2;AEN;NTRK3	-0.2378	-2.3902	0.017927	0.294232
MCTP1	0.206888	2.386926	0.018083	0.295018
	0.191391	2.385848	0.018134	0.295277
CCSAP	-0.33823	-2.38334	0.018254	0.295924
HLA-DQA2;SLC44A4;NELFE	0.273701	2.38997	0.017939	0.29428
	0.287452	2.386086	0.018123	0.295265
	0.188697	2.387054	0.018077	0.294982
DIP2C;IDI1;PRR26;ENSG00000272992;LARP4B	0.332473	2.39174	0.017855	0.293784
TAS2R3	0.257328	2.389955	0.017939	0.29428
	0.313996	2.388026	0.018031	0.294781
	0.302388	2.388862	0.017991	0.29464
CBX2;C1QTNF1;TIMP2;TNRC6C;ENSG00000178404	-0.34677	-2.38418	0.018214	0.295711
ENSG00000250790	-0.26586	-2.38579	0.018137	0.295298
	0.238419	2.390256	0.017925	0.294221
WDR45B;C17orf62;RAB40B	0.226497	2.38517	0.018166	0.295461
	0.278377	2.386229	0.018116	0.295263
	-0.17971	-2.38962	0.017955	0.294325
	0.321522	2.388266	0.018019	0.294773
	-0.22606	-2.38606	0.018124	0.295265
SURF4;ENSG00000224992	-0.23044	-2.39065	0.017907	0.294137
ENSG00000245466;DCAF5;EXD2	-0.43584	-2.38358	0.018243	0.295837
	0.217098	2.390096	0.017933	0.29428
	-0.16617	-2.3884	0.018013	0.29477
	-0.25327	-2.38831	0.018017	0.294773
	0.151693	2.388278	0.018019	0.294773
PLXND1;ENSG00000187695;IFT122;EFCAB12	-0.36169	-2.38744	0.018059	0.294934
	-0.2188	-2.38474	0.018187	0.295557
	0.213779	2.388295	0.018018	0.294773
BAI1;GPIHBP1;LYPD2	-0.4093	-2.38977	0.017948	0.294319
	0.321196	2.390309	0.017923	0.294221
	0.256091	2.390268	0.017924	0.294221
	0.251379	2.388024	0.018031	0.294781
	0.166667	2.387246	0.018068	0.294952
	0.158249	2.389092	0.01798	0.29454
	0.285857	2.384281	0.018209	0.295684
BNIPL;MRPS21;HIST2H4B	-0.39742	-2.38983	0.017945	0.294306
IP6K3;PHF1	0.221377	2.388827	0.017993	0.294656
	-0.20039	-2.38712	0.018073	0.294952
	-0.22371	-2.38799	0.018032	0.294781
SLC5A4;CPSF1P1;EIF4ENIF1	0.195523	2.388733	0.017997	0.294706
AGAP2;ARHGAP9	-0.30054	-2.39006	0.017934	0.29428
	0.345283	2.385517	0.01815	0.295376
PKD1L1	0.248254	2.388441	0.018011	0.294752

	0.271268	2.38966	0.017953	0.294325
	0.254126	2.38563	0.018144	0.295333
LOH12CR1	-0.21291	-2.38495	0.018177	0.295484
CHST12;MAD1L1;TTYH3;HEATR2	-0.26278	-2.38858	0.018004	0.294718
	0.232971	2.388698	0.017999	0.294711
	-0.39442	-2.38952	0.01796	0.294368
	-0.19077	-2.38914	0.017978	0.294523
LEO1;GLDN;LYSMD2	-0.2924	-2.38525	0.018163	0.295437
	0.233628	2.387338	0.018063	0.294952
EFHD1	-0.24902	-2.38207	0.018315	0.296241
PTGDS;LCNL1;GRIN1	-0.19234	-2.38846	0.01801	0.294752
	0.337757	2.387285	0.018066	0.294952
SHC2;ARID3A;MISP;REEP6;GPX4;HMHA1;MOB3A;FSTL3	-0.3483	-2.38141	0.018347	0.29632
	-0.1804	-2.38404	0.01822	0.295711
	-0.27295	-2.38791	0.018036	0.294783
	0.16784	2.388484	0.018009	0.294752
	0.191389	2.386806	0.018088	0.295028
	0.295457	2.38602	0.018126	0.295265
ENSG00000272520;SRD5A1;KIAA0947	-0.41791	-2.38548	0.018152	0.295379
TULP3;FKBP4	0.275911	2.390406	0.017918	0.294221
	-0.16004	-2.38718	0.018071	0.294952
	0.358083	2.387443	0.018058	0.294934
SAA1;ENSG00000255308;SAA2	-0.23228	-2.38961	0.017956	0.294325
	0.129189	2.38498	0.018176	0.295484
ZNF354C	0.265149	2.383153	0.018263	0.295966
	-0.3144	-2.38722	0.018069	0.294952
	0.115758	2.386271	0.018114	0.295252
	-0.20779	-2.38791	0.018036	0.294783
ATG5;SOBP	-0.24995	-2.38779	0.018042	0.294785
PHF10	-0.12694	-2.38721	0.018069	0.294952
	-0.23305	-2.38776	0.018043	0.294785
TMEM255B;F10;GAS6;TFDP1	-0.49834	-2.3796	0.018434	0.296836
	0.156675	2.387762	0.018043	0.294785
KIF21B;PTPN7	-0.30348	-2.38693	0.018083	0.295018
CD74;CSF1R	0.142018	2.38501	0.018174	0.295477
	0.353909	2.388372	0.018014	0.294771
PYHIN1;FCRL5;FCRL2	0.283604	2.388629	0.018002	0.294714
	-0.28265	-2.38406	0.018219	0.295711
	0.198815	2.382277	0.018305	0.296241
	0.197638	2.380483	0.018391	0.296634
	0.243586	2.388254	0.01802	0.294773
	-0.19863	-2.38806	0.018029	0.294781
HES2	-0.2078	-2.38805	0.018029	0.294781
NOTCH4;CLIC1;C6orf10;NELFE;DHX16;PPP1R18;SLC44A4	-0.29944	-2.38687	0.018085	0.295028
	0.176535	2.387189	0.01807	0.294952
	0.333809	2.384602	0.018194	0.295614
	0.182265	2.388572	0.018005	0.294718

	0.231487	2.385386	0.018156	0.295399
	-0.24213	-2.38795	0.018034	0.294781
HCP5;HLA-B;HLA-DRA;HLA-C;C2;LTB;HSPA1A	0.484507	2.389265	0.017972	0.294486
SMDT1;CENPM;ACO2;MKL1;XRCC6;XPNPEP3;NDUFA6	-0.34408	-2.3892	0.017975	0.294505
GPIHBP1	-0.26827	-2.38798	0.018033	0.294781
	0.206815	2.383895	0.018227	0.295748
AKAP3;CCND2;ANO2;NTF3;VWF;KCNA5;KCNA1	0.228879	2.38214	0.018312	0.296241
DENND2A;JHDM1D-AS1;KDM7A;MKRN1;SLC37A3;BRAF;RAB19	-0.30847	-2.38527	0.018162	0.295437
ZNF540	-0.34959	-2.38871	0.017998	0.29471
	-0.16656	-2.38463	0.018192	0.295613
	0.122687	2.38331	0.018255	0.295931
	-0.24428	-2.38691	0.018084	0.295018
	0.186948	2.382097	0.018314	0.296241
	-0.35625	-2.38977	0.017948	0.294319
	0.189532	2.383083	0.018266	0.29599
	-0.3447	-2.38649	0.018103	0.295152
	0.304085	2.386726	0.018092	0.295057
	0.265222	2.384332	0.018206	0.295679
	-0.16074	-2.37771	0.018526	0.297164
	-0.14328	-2.38038	0.018396	0.296634
RHBDF2;TMC8;ST6GALNAC2;TMC6	0.305294	2.388272	0.018019	0.294773
C17orf96	0.297365	2.381631	0.018336	0.29628
	0.154332	2.386151	0.01812	0.295265
FAM78A	0.26529	2.387317	0.018064	0.294952
TENC1;GRASP	0.222194	2.38664	0.018096	0.295101
	0.297688	2.386507	0.018103	0.295152
NRF1	-0.16699	-2.38901	0.017984	0.294562
	0.299446	2.384424	0.018202	0.29565
	0.190351	2.384525	0.018197	0.295634
	-0.22227	-2.38716	0.018072	0.294952
	0.223127	2.384518	0.018198	0.295634
RCSD1;CD247	-0.37054	-2.38717	0.018071	0.294952
	-0.20748	-2.38908	0.017981	0.29454
	0.286071	2.388449	0.01801	0.294752
	0.273453	2.387634	0.018049	0.294842
ARHGEF17;PDE2A;P4HA3;P2RY6	-0.25708	-2.38763	0.018049	0.294842
ENSG00000270696	-0.29966	-2.38555	0.018148	0.295376
SRGAP3;HRH1	-0.27445	-2.38597	0.018128	0.295265
	0.291922	2.380477	0.018392	0.296634
	-0.17341	-2.3851	0.01817	0.295473
	-0.21946	-2.38833	0.018016	0.294773
	0.33604	2.38774	0.018044	0.294788
KCNMA1;ZMIZ1;DLG5-AS1;ENSG00000225652	-0.23786	-2.38334	0.018254	0.295924
	-0.28533	-2.3862	0.018117	0.295263
IGF2;C11orf89	-0.2681	-2.38734	0.018063	0.294952
	0.29233	2.38293	0.018274	0.296004

	0.330663	2.385807	0.018136	0.295297
ERGIC3;SOGA1;DLGAP4;MYL9;ENSG00000232907	-0.28893	-2.38231	0.018304	0.296233
	0.184469	2.382983	0.018271	0.296002
	-0.19786	-2.38394	0.018225	0.295724
ENSG00000259481;ANXA2;ENSG00000259575	0.239539	2.381726	0.018332	0.296257
	0.156476	2.381615	0.018337	0.29628
DIO3;DIO3OS	-0.30883	-2.38516	0.018167	0.295461
	0.318048	2.387778	0.018042	0.294785
	-0.36109	-2.38618	0.018118	0.295265
	0.280922	2.386444	0.018106	0.295152
CYGB	0.170683	2.38455	0.018196	0.295634
	0.151475	2.385015	0.018174	0.295477
	0.204884	2.383017	0.01827	0.296002
	-0.23949	-2.38644	0.018106	0.295152
	0.24005	2.386918	0.018083	0.295018
	-0.183	-2.38402	0.018222	0.295711
RPL41P1	-0.20531	-2.38658	0.018099	0.295134
	-0.30519	-2.38526	0.018162	0.295437
	0.261885	2.38368	0.018238	0.295825
TTLL6	0.264432	2.38598	0.018128	0.295265
	0.282063	2.386791	0.018089	0.295028
	-0.46045	-2.38428	0.018209	0.295684
	-0.15487	-2.38484	0.018182	0.295505
	-0.18147	-2.38379	0.018232	0.295774
	-0.38418	-2.38587	0.018133	0.295277
CPVL	0.349301	2.385088	0.01817	0.295473
	-0.23103	-2.38327	0.018258	0.295931
TMEM255B	-0.54883	-2.38794	0.018035	0.294781
	0.192875	2.38613	0.018121	0.295265
	-0.37061	-2.38523	0.018163	0.295438
	0.19414	2.385041	0.018173	0.295477
	0.246442	2.384616	0.018193	0.295614
	0.198374	2.382004	0.018318	0.296241
CTC1;ARHGEF15;PIK3R6;VAMP2	0.293374	2.385734	0.01814	0.2953
	0.287007	2.386319	0.018112	0.295226
	0.209249	2.384131	0.018216	0.295711
	0.213228	2.385325	0.018159	0.295413
	0.315037	2.385713	0.018141	0.2953
B3GNT5	0.193103	2.384365	0.018205	0.295675
FOXF1;FAM92B;ENSG00000262601;FENDRR	-0.32923	-2.38064	0.018384	0.296575
	-0.20029	-2.38565	0.018144	0.29533
GRK5;CASC2	-0.31659	-2.3854	0.018155	0.295399
STK10	-0.31293	-2.38552	0.01815	0.295376
	0.215426	2.385864	0.018133	0.295277
ARAP2	-0.35021	-2.38412	0.018217	0.295711
	0.177063	2.38823	0.018021	0.29478
	0.366963	2.38535	0.018158	0.295413

SLFN13;ENSG00000267554;GAS2L2;SLFN12L;ENSG00000266956	-0.41456	-2.38807	0.018028	0.294781
	0.265622	2.386023	0.018126	0.295265
	0.468254	2.380396	0.018396	0.296634
	0.140488	2.383996	0.018223	0.295714
	-0.28671	-2.38571	0.018141	0.2953
SLC17A5;KHDC1;ENSG00000229852;EEF1A1;EIF3EP1	-0.35594	-2.38323	0.018259	0.295931
	-0.17685	-2.37855	0.018485	0.29695
	0.256164	2.386808	0.018088	0.295028
AFAP1;ABLIM2;PSAPL1;HTRA3;AFAP1-AS1;SORCS2	0.220465	2.374298	0.018692	0.297965
	-0.13595	-2.38641	0.018107	0.295167
	0.227686	2.384517	0.018198	0.295634
	-0.20578	-2.37909	0.018459	0.296902
MDH1;TMEM17	0.426351	2.382515	0.018294	0.29617
ADCY3;DNAJC27;DRC1	0.48422	2.385018	0.018174	0.295477
TMC4;PPP6R1;HSPBP1;ISOC2	-0.31761	-2.38547	0.018152	0.295379
	-0.22452	-2.38516	0.018167	0.295461
	-0.33404	-2.38493	0.018178	0.295484
	0.295044	2.386984	0.01808	0.295018
	-0.21799	-2.38364	0.01824	0.295827
	-0.38573	-2.38708	0.018076	0.294976
	-0.39335	-2.38432	0.018207	0.295679
	0.388987	2.387718	0.018045	0.294794
	-0.33206	-2.38107	0.018363	0.296445
	0.271364	2.385708	0.018141	0.2953
	-0.2724	-2.38068	0.018382	0.296575
	-0.25884	-2.38262	0.018288	0.296119
	0.268184	2.3874	0.01806	0.29495
	0.312537	2.384059	0.01822	0.295711
	0.357267	2.385951	0.018129	0.295265
	-0.25219	-2.38545	0.018153	0.295384
	0.304991	2.383078	0.018267	0.29599
LARP4B	-0.32764	-2.38384	0.01823	0.295771
WEE1	-0.37655	-2.38784	0.01804	0.294785
MED20	0.222381	2.381587	0.018338	0.29628
RSPO1	-0.26894	-2.38447	0.0182	0.295637
	0.308511	2.384894	0.01818	0.295489
	0.267753	2.383775	0.018233	0.295774
	-0.29539	-2.38506	0.018172	0.295477
	0.264194	2.384655	0.018191	0.295607
ANXA6;SPARC;ENSG00000249035	-0.34188	-2.38188	0.018324	0.296241
ADARB1;COL6A1;COL6A2;COL18A1;COL18A1-AS1;COL18A1-AS2;ENSG00000268805;C21orf58;ENSG00000267857	0.356109	2.374766	0.018669	0.297943
	0.324259	2.384412	0.018203	0.29565
	0.256283	2.386078	0.018123	0.295265
RPH3AL	-0.31156	-2.38188	0.018324	0.296241

	-0.18109	-2.38313	0.018264	0.29597
	0.247977	2.382465	0.018296	0.296188
	-0.28972	-2.38245	0.018297	0.296188
	-0.24648	-2.38442	0.018202	0.29565
	0.266954	2.386852	0.018086	0.295028
	-0.16177	-2.38351	0.018246	0.29587
	0.249107	2.386831	0.018087	0.295028
	0.18113	2.382307	0.018304	0.296233
	-0.12747	-2.38267	0.018286	0.296107
	-0.33146	-2.38197	0.01832	0.296241
	-0.23774	-2.38295	0.018273	0.296002
FAM185A	0.192536	2.378871	0.018469	0.29695
	0.141364	2.38275	0.018282	0.2961
CLIC4;PAFAH2;ENSG00000229162;TMEM50A;NIPAL3;SRRM1	-0.33717	-2.38343	0.01825	0.295896
	-0.26362	-2.3845	0.018198	0.295634
	-0.32785	-2.3792	0.018453	0.296902
	-0.17501	-2.3822	0.018309	0.296241
MTHFSD;FOXF1;FENDRR;FOXL1	-0.19493	-2.38176	0.01833	0.296256
	0.212841	2.382901	0.018275	0.296014
TAP1;TAP2;PSMB9;TAPSAR1;HLA-DMA;HLA-DOA;HLA-DMB;HLA-DRA	-0.40134	-2.38697	0.018081	0.295018
	0.219557	2.38344	0.018249	0.295896
	-0.2275	-2.38155	0.01834	0.296281
NR3C1	-0.28495	-2.38011	0.01841	0.296745
	0.322441	2.383625	0.01824	0.295827
	0.255603	2.384931	0.018178	0.295484
	0.282461	2.386486	0.018104	0.295152
	0.211118	2.380738	0.018379	0.296575
	-0.20598	-2.38599	0.018127	0.295265
LOH12CR1	0.281471	2.38423	0.018211	0.295701
	0.240186	2.384317	0.018207	0.295679
ADORA2B;TRIM16;PMP22	-0.33456	-2.38246	0.018296	0.296188
	-0.23551	-2.3849	0.018179	0.295489
	-0.5393	-2.38365	0.018239	0.295827
	-0.20483	-2.38552	0.01815	0.295376
EFEMP2;MAP4K2;FAU;CD248;CTSF;RBM4;CCS;NRXN2;RBM14	-0.24603	-2.38015	0.018408	0.296745
	-0.36666	-2.38202	0.018317	0.296241
	-0.21498	-2.38487	0.018181	0.295495
	0.269942	2.384478	0.0182	0.295637
	0.239167	2.384038	0.018221	0.295711
IFFO1;VWF;ANO2;CLSTN3;SCNN1A;C1R;NTF3;RBP5;LEPREL2;C1S;ENSG00000257084;LRRC23;C1RL-AS1;CD9;CD27;ATN1;C1RL;GPR162;GNB3;ENSG00000256967;MRPL51;PTMS;SPSB2;CD27-AS1	-0.24847	-2.38014	0.018408	0.296745
MRVI1-AS1	0.282063	2.382698	0.018285	0.296106

	-0.19041	-2.38533	0.018159	0.295413
IFT140;BAIAP3;HAGH;ENSG00000272079;CLDN9;MSRB1;HS3ST6;SRRM2-AS1	-0.19716	-2.38187	0.018325	0.296241
	0.306835	2.383249	0.018258	0.295931
	-0.37872	-2.38296	0.018272	0.296002
	-0.27929	-2.38298	0.018271	0.296002
ENSG00000232950;TMEM254	-0.25866	-2.38362	0.018241	0.295827
MEG3;MEG8;RTL1;ENSG00000225746;ENSG00000271417	-0.31404	-2.37692	0.018564	0.297387
	0.293016	2.386222	0.018116	0.295263
FAM178A	-0.22848	-2.38576	0.018138	0.2953
	0.179648	2.384734	0.018187	0.295557
KIF11;EXOC6	0.27622	2.380228	0.018404	0.296729
	0.136381	2.383513	0.018246	0.29587
	0.223249	2.384076	0.018219	0.295711
	-0.28393	-2.37637	0.018591	0.297564
	-0.32871	-2.3868	0.018089	0.295028
	-0.29831	-2.37724	0.018548	0.297257
	-0.22069	-2.38324	0.018259	0.295931
	0.186117	2.385124	0.018169	0.295467
	0.313232	2.38337	0.018253	0.295924
	0.185338	2.380127	0.018409	0.296745
	0.183091	2.382048	0.018316	0.296241
ZNF251	0.160458	2.381747	0.018331	0.296256
	0.288601	2.381582	0.018339	0.29628
CACNA1C-AS4;PRMT8;TULP3;CACNA1C;TSPAN9;CACNA1C-IT3	0.295927	2.383716	0.018236	0.295809
	-0.20767	-2.38096	0.018368	0.296482
	0.205839	2.382715	0.018284	0.296106
	-0.20146	-2.38204	0.018316	0.296241
SDC3;COL16A1;MTMR9LP;ENSG00000223907	-0.2608	-2.38605	0.018124	0.295265
	0.367797	2.383779	0.018233	0.295774
C11orf48;RAB3IL1;LRRN4CL;AHNAK;FADS3	0.232503	2.38017	0.018407	0.296745
	-0.22071	-2.37857	0.018484	0.29695
	-0.28619	-2.38586	0.018134	0.295277
	-0.28853	-2.38234	0.018302	0.296233
GRB10	-0.22296	-2.37793	0.018515	0.297119
TRAK1;ULK4	0.337721	2.382874	0.018276	0.296014
	0.291447	2.386565	0.0181	0.295136
TIMM23;PARG;MSMB	-0.35914	-2.37693	0.018564	0.297387
DYNLT1;EZR;RSPH3;TCP1;FNDC1;SYTL3;PNLDC1;ACAT2	-0.38112	-2.38142	0.018346	0.29632
	0.271785	2.383191	0.018261	0.295947
	0.258762	2.382015	0.018318	0.296241
	-0.25915	-2.37821	0.018502	0.297023
	0.289069	2.385477	0.018152	0.295379
TCEANC2;TMEM59;TTC22	0.256929	2.381563	0.018339	0.296281
ENSG00000237491	0.241858	2.383236	0.018259	0.295931
	0.28715	2.382534	0.018293	0.296166

	-0.42036	-2.38184	0.018326	0.296241
	-0.33404	-2.38328	0.018257	0.295931
ENSG00000253773	-0.18073	-2.37911	0.018458	0.296902
	0.223889	2.38394	0.018225	0.295724
CDH2	-0.36018	-2.37462	0.018676	0.297965
	0.256024	2.381093	0.018362	0.296436
CTSW	-0.31433	-2.38645	0.018105	0.295152
	-0.17734	-2.38334	0.018254	0.295924
	0.251381	2.375681	0.018625	0.297737
MMRN2	0.265239	2.378656	0.01848	0.29695
WDR45B;PCYT2;MAFG-AS1;ENSG00000261888;TBCD;METRNL	-0.30097	-2.38207	0.018315	0.296241
	-0.19942	-2.38133	0.018351	0.296343
ENSG00000225670;CCDC19;DARC;ATP1A2;CADM3	-0.28837	-2.37991	0.018419	0.296764
	0.168018	2.38153	0.018341	0.296286
MIR143HG;ENSG00000253864;MIR145;PDGFRB;PCYOX1L;ADRB2;CSNK1A1	-0.30551	-2.38419	0.018213	0.295711
	0.2195	2.383493	0.018247	0.29587
FABP5P2	0.231106	2.382157	0.018311	0.296241
	-0.30629	-2.38384	0.01823	0.295771
TIMP4;RAF1;HRH1;PPARG	-0.23977	-2.37561	0.018628	0.297757
	0.235264	2.382948	0.018273	0.296002
	-0.23123	-2.37926	0.01845	0.296902
	-0.32128	-2.38054	0.018389	0.296622
GIMAP8;GIMAP5;GIMAP6;GIMAP1;GIMAP7;RARRES2;TMEM176B;SMARCD3;GIMAP2;NOS3;GIMAP4;REPIN1	0.327739	2.384071	0.018219	0.295711
	0.266315	2.382684	0.018286	0.296106
	-0.17007	-2.38394	0.018225	0.295724
	0.174479	2.379985	0.018416	0.296764
	0.344226	2.381742	0.018331	0.296256
	-0.2219	-2.38382	0.018231	0.295773
	0.156881	2.380637	0.018384	0.296575
ANKRD22;ACTA2-AS1	0.417074	2.385147	0.018168	0.295461
	0.325905	2.383034	0.018269	0.296002
	0.239638	2.379066	0.01846	0.296907
	-0.20406	-2.3827	0.018285	0.296106
	0.16464	2.382884	0.018276	0.296014
GAS6	0.234805	2.383007	0.01827	0.296002
	-0.37267	-2.38086	0.018373	0.296528
BMP1;PHYHIP;POLR3D;TNFRSF10D;HR;REEP4;PDLIM2;TNFRSF10B;GFRA2;C8orf58	-0.26987	-2.38168	0.018334	0.29628
	0.292812	2.384238	0.018211	0.295701
	0.335055	2.384129	0.018216	0.295711
	-0.25619	-2.37883	0.018471	0.29695
	0.38998	2.384021	0.018221	0.295711
	-0.20836	-2.38039	0.018396	0.296634
	-0.16578	-2.37896	0.018465	0.29695

CARD11;TTYH3;IQCE	-0.43593	-2.38184	0.018326	0.296241
TNRC6C;ENSG00000178404;C1QTNF1;DNAH17;LGALS3BP	-0.26953	-2.37886	0.01847	0.29695
ENSG00000273179	0.41631	2.381853	0.018325	0.296241
AASS	-0.32538	-2.38196	0.018321	0.296241
	-0.19929	-2.38095	0.018369	0.296482
ENSG00000231720;PRR18;ENSG00000228648;C6orf118;FGFR				
1OP;MPC1;PDE10A	-0.31091	-2.37869	0.018478	0.29695
	0.200396	2.38147	0.018344	0.296311
	0.182988	2.379293	0.018449	0.296902
BATF3;TMEM206;DTL	-0.24997	-2.38186	0.018325	0.296241
	0.273206	2.379911	0.018419	0.296764
	-0.15487	-2.38115	0.018359	0.296401
	0.189293	2.38078	0.018377	0.296557
	0.250625	2.381791	0.018328	0.296251
GBP6;GEMIN8P4;LRRC8C;LRRC8D	-0.30787	-2.3785	0.018487	0.296956
ITGAL;SPN;CORO1A;ITGAX;ITGAM;ENSG00000260219;ZNF629;				
C16orf93;CTF1;ZNF48;TGFB1I1;DOC2A;PHKG2	-0.20081	-2.38223	0.018307	0.296241
NUAK2;ETNK2;CNTN2;REN;PLEKHA6	0.237949	2.375991	0.018609	0.297648
	0.221956	2.378382	0.018493	0.296983
	-0.1471	-2.38137	0.018349	0.296325
	-0.25425	-2.38125	0.018355	0.296371
	-0.29681	-2.38199	0.018319	0.296241
	0.163658	2.378953	0.018465	0.29695
	0.243875	2.380286	0.018401	0.296694
	-0.34077	-2.38122	0.018356	0.296382
	0.240576	2.378635	0.018481	0.29695
	-0.17398	-2.37548	0.018635	0.297775
	0.227026	2.382595	0.01829	0.296131
	0.215137	2.381621	0.018337	0.29628
FMNL3;WNT10B;ENSG00000258334;LMBR1L;CERS5	0.245108	2.381819	0.018327	0.296241
ITGB2;TRPM2;ITGB2-AS1	-0.26629	-2.37337	0.018738	0.298102
	-0.23297	-2.3823	0.018304	0.296233
	-0.34089	-2.3778	0.018521	0.297131
PCED1B;RAPGEF3;C12orf68;SLC48A1;RPAP3;PCED1B-AS1	-0.32313	-2.37714	0.018553	0.297289
	0.166077	2.38218	0.01831	0.296241
DENND2C;OLFML3;VANGL1;CASQ2;PHTF1;HIPK1	-0.39879	-2.37813	0.018505	0.29703
	-0.34884	-2.38186	0.018325	0.296241
	0.266111	2.378436	0.018491	0.296973
KIF26A;C14orf2;EXOC3L4	0.37407	2.378566	0.018484	0.29695
	-0.2777	-2.38101	0.018366	0.296475
HNRNPA1P14;S1PR3;C9orf47	-0.25745	-2.37828	0.018498	0.29702
	0.278356	2.379856	0.018422	0.296764
	0.205308	2.381478	0.018344	0.296311
KALRN;PARP14;ADCY5;MYLK-AS2;PARP9;DTX3L;MYLK-AS1	-0.26464	-2.38011	0.01841	0.296745

USP43;WDR16;ENSG00000264194	0.353758	2.376849	0.018568	0.297396
ROBO3	-0.37725	-2.38063	0.018385	0.296575
	-0.16855	-2.37983	0.018423	0.29677
BAIAP2;NOTUM;SLC25A10	-0.36937	-2.37912	0.018457	0.296902
	-0.25931	-2.37837	0.018494	0.296983
	0.247658	2.38206	0.018316	0.296241
	0.319527	2.379215	0.018453	0.296902
	-0.18685	-2.3794	0.018444	0.296902
	-0.3428	-2.37857	0.018484	0.29695
	0.345432	2.380074	0.018411	0.296745
	0.211576	2.38231	0.018303	0.296233
CAPN5	0.182984	2.381844	0.018326	0.296241
THRB-IT1	-0.41281	-2.3774	0.018541	0.297232
	-0.38915	-2.37913	0.018457	0.296902
IGHG2;IGHV3-11;IGHV3-21;KIAA0125;IGHV3-7;IGHJ3P;C14orf79;IGHG3;IGHA1;IGHV1-2;IGHV3-23;IGHGP	-0.15717	-2.38083	0.018375	0.296538
	0.143607	2.379779	0.018425	0.296788
	-0.24525	-2.38096	0.018369	0.296482
	-0.35356	-2.38007	0.018411	0.296745
	-0.18297	-2.3775	0.018536	0.297197
	-0.27029	-2.37916	0.018455	0.296902
ZC2HC1C;PTGR2;FAM161B;LTBP2;TTLL5;ENSG00000259319;ISCA2;FCF1;CCDC176;PGF;ENSG00000242488	-0.38848	-2.37749	0.018536	0.297197
	0.215897	2.376138	0.018602	0.297633
	-0.17821	-2.37613	0.018603	0.297633
	-0.21477	-2.37855	0.018485	0.29695
	0.199131	2.381255	0.018354	0.296371
FAM117A;TTLL6	-0.24559	-2.37358	0.018728	0.298034
ARL4C;SH3BP4	-0.36555	-2.3799	0.01842	0.296764
	-0.25952	-2.37989	0.01842	0.296764
MNAT1;SNAPC1	-0.35762	-2.37854	0.018486	0.29695
	-0.38187	-2.38087	0.018373	0.296528
	-0.19503	-2.37154	0.018828	0.29859
	-0.23822	-2.3744	0.018687	0.297965
EBF1;ENSG00000253811;ENSG00000253456;RNF145;PTTG1	0.201496	2.375937	0.018612	0.29766
	-0.22793	-2.38041	0.018395	0.296634
	0.262136	2.380646	0.018384	0.296575
	-0.24852	-2.38115	0.018359	0.296401
	-0.24795	-2.37556	0.01863	0.297774
DISP1	-0.28374	-2.37592	0.018613	0.29766
	-0.39557	-2.37603	0.018608	0.297647
	0.255105	2.374383	0.018688	0.297965
	-0.39444	-2.38196	0.018321	0.296241
RPL3P2;TNXB;C6orf10;GPSM3	-0.28958	-2.37986	0.018421	0.296764
	0.110375	2.380204	0.018405	0.296736

	-0.32035	-2.37611	0.018603	0.297634
XRCC1	-0.44881	-2.38069	0.018382	0.296575
LEPRE1	-0.42778	-2.37941	0.018443	0.296902
	-0.30024	-2.3804	0.018396	0.296634
	0.380623	2.373692	0.018722	0.298034
CCDC40;ENSG00000263069	-0.15912	-2.37667	0.018577	0.297446
BPHL;ENSG00000272320;SLC22A23;SERPINB6	-0.23166	-2.37991	0.018419	0.296764
	0.217065	2.381156	0.018359	0.296401
	0.213852	2.380705	0.018381	0.296575
SHE;SLC50A1	-0.17364	-2.37636	0.018591	0.297564
ADARB1;ENSG00000267857;COL6A1;ENSG00000268805	-0.32654	-2.37355	0.018729	0.298034
	0.2806	2.379587	0.018435	0.296836
	-0.34839	-2.37363	0.018725	0.298034
	-0.30864	-2.38183	0.018327	0.296241
	-0.38133	-2.37976	0.018427	0.296793
PSMG3;GNA12	0.438925	2.38208	0.018315	0.296241
	0.102461	2.373945	0.018709	0.29803
	0.116551	2.380819	0.018375	0.296538
TNFAIP2;EXOC3L4;ENSG00000260285	-0.28632	-2.37863	0.018481	0.29695
	0.18492	2.379354	0.018446	0.296902
PYCR2;H3F3A;ITPKB	0.222609	2.381365	0.018349	0.296325
TENC1;KRT7;CALCOCO1;GRASP	-0.23522	-2.37824	0.0185	0.297023
	0.297014	2.380031	0.018413	0.296748
	-0.19984	-2.37939	0.018444	0.296902
	-0.27456	-2.38038	0.018397	0.296634
TSPAN18	-0.24533	-2.37718	0.018552	0.297277
	0.290694	2.376679	0.018576	0.297446
	0.277844	2.376937	0.018563	0.297387
	-0.25474	-2.38143	0.018346	0.29632
	-0.2108	-2.37535	0.018641	0.297827
	-0.22041	-2.3799	0.01842	0.296764
	0.410948	2.376395	0.01859	0.297564
	-0.15877	-2.38056	0.018388	0.296612
ENSG00000213090	0.294473	2.378352	0.018495	0.296983
	0.228548	2.379853	0.018422	0.296764
ARPC3;PPTC7	0.208584	2.377607	0.018531	0.297177
	-0.29222	-2.37781	0.018521	0.297131
	0.23704	2.376926	0.018564	0.297387
	-0.21087	-2.3776	0.018531	0.297177
RN7SKP255	-0.34401	-2.37858	0.018484	0.29695
	-0.25125	-2.37931	0.018448	0.296902
	0.264204	2.377998	0.018512	0.297103
ITGAL;SPN;CORO1A;CD19;ZNF768;ZNF629;CTF1	-0.30191	-2.3777	0.018526	0.297164
	0.224288	2.378879	0.018469	0.29695
	0.230556	2.379692	0.01843	0.296807
	-0.33761	-2.3814	0.018347	0.296323
	-0.24344	-2.3766	0.01858	0.297464

MRPL27;FAM117A;ABI3;LRRC59	0.29172	2.376347	0.018592	0.297564
LARP4B	0.361078	2.378167	0.018504	0.297025
	0.321186	2.380999	0.018367	0.296475
	0.2377	2.377795	0.018522	0.297131
MIEF2	-0.26057	-2.37961	0.018434	0.296836
OSBPL3	0.437115	2.38052	0.01839	0.296625
	0.372306	2.381658	0.018335	0.29628
HIGD1A	-0.17415	-2.37783	0.01852	0.297131
RASSF1	0.365617	2.380049	0.018412	0.296745
	-0.27153	-2.37895	0.018466	0.29695
	-0.16355	-2.3762	0.018599	0.297615
ANKRD6	-0.36685	-2.37868	0.018479	0.29695
	-0.3684	-2.38194	0.018321	0.296241
LILRB4	-0.18022	-2.37749	0.018536	0.297197
RXFP1	0.28761	2.37851	0.018487	0.296956
EHD2;RASIP1;TEAD2;HRC;PLA2G4C	-0.2943	-2.37916	0.018455	0.296902
SDC4;DNTTIP1;PIGT	-0.3418	-2.37726	0.018548	0.297257
	0.154962	2.379204	0.018453	0.296902
	0.252796	2.37458	0.018678	0.297965
	0.135602	2.370879	0.01886	0.298727
	0.279008	2.377609	0.018531	0.297177
	0.338634	2.379786	0.018425	0.296788
RQCD1;TTLL4;SLC11A1;RUFY4;WNT10A;CXCR2	-0.30489	-2.37914	0.018457	0.296902
	-0.15995	-2.37911	0.018458	0.296902
	0.239221	2.374437	0.018685	0.297965
	0.235299	2.380062	0.018412	0.296745
	0.151936	2.379199	0.018454	0.296902
	-0.47485	-2.37719	0.018551	0.297277
	0.150724	2.378705	0.018477	0.29695
CD34;C1orf116;PFKFB2	-0.30687	-2.37974	0.018427	0.296793
KCTD11;ELP5;SLC16A11	-0.17232	-2.37837	0.018494	0.296983
	0.365548	2.382247	0.018307	0.296241
	0.381638	2.376947	0.018563	0.297387
	-0.32187	-2.37645	0.018587	0.297539
	0.279551	2.37829	0.018498	0.29702
	0.142354	2.380669	0.018383	0.296575
ARMC4;SVIL;MPP7	-0.38075	-2.37884	0.018471	0.29695
	0.332295	2.381594	0.018338	0.29628
SLC22A23;ENSG00000272320;SERPINB1	-0.30802	-2.37707	0.018557	0.297338
	-0.22276	-2.37757	0.018533	0.297181
	-0.16098	-2.37788	0.018517	0.297131
	0.346493	2.382313	0.018303	0.296233
	-0.24133	-2.37726	0.018548	0.297257
	0.246853	2.370513	0.018878	0.298779
	0.256916	2.375177	0.018649	0.297847
	-0.32028	-2.37778	0.018522	0.297131
KANK1;DMRT3;DOCK8	0.314575	2.37469	0.018673	0.297956

	-0.27262	-2.3782	0.018502	0.297023
	0.232389	2.377949	0.018514	0.297118
	0.291812	2.374705	0.018672	0.297956
MICU3;PDGFRL	-0.36555	-2.37948	0.01844	0.296897
	0.20231	2.377617	0.01853	0.297177
	-0.32203	-2.3794	0.018444	0.296902
	-0.28624	-2.37892	0.018467	0.29695
	0.233174	2.378448	0.01849	0.296973
	0.247064	2.379861	0.018422	0.296764
	0.205965	2.370607	0.018874	0.298779
	0.228501	2.376879	0.018566	0.297395
	0.383493	2.3796	0.018434	0.296836
FXYD3;WTIP;COX6B1;CLIP3;CAPNS1;GRAMD1A;SCN1B;NFKBID;				
PSENEN;ZNF792	-0.25766	-2.37543	0.018637	0.297788
	-0.29342	-2.37859	0.018483	0.29695
	0.188535	2.378629	0.018481	0.29695
	0.331137	2.37555	0.018631	0.297774
	0.176528	2.374035	0.018705	0.298
	0.228511	2.371787	0.018815	0.298553
	-0.34489	-2.37597	0.018611	0.297648
NXPH3;HOXB-				
AS2;HOXB3;HOXB4;PRR15L;CALCOCO2;ABI3;COPZ2;TBKBP1;LR				
RC46;MIR10A;TTLL6;HOXB-AS3	-0.22268	-2.37521	0.018647	0.297847
TMTC2	0.296943	2.377898	0.018517	0.297131
	-0.1759	-2.37625	0.018597	0.297611
	-0.15198	-2.37911	0.018458	0.296902
	-0.25369	-2.37434	0.01869	0.297965
CAV1	0.401231	2.375845	0.018617	0.297705
	-0.29663	-2.37615	0.018602	0.297633
ENSG00000234028	0.297461	2.372883	0.018762	0.298244
THBS2	0.276265	2.374468	0.018684	0.297965
ERN1;CD79B;LIMD2;ACE;METTL2A	-0.33622	-2.3765	0.018585	0.297527
MDM4;CYB5R1;PIK3C2B	-0.4134	-2.37969	0.01843	0.296807
	-0.34353	-2.3778	0.018522	0.297131
FAM83H-AS1;EEF1D;RHPN1-AS1;GPIHBP1	-0.17247	-2.3717	0.01882	0.29859
GNRH2	0.223746	2.37729	0.018546	0.297257
ENSG00000203739;ZBTB37;ENSG00000231615	0.309602	2.378228	0.018501	0.297023
	-0.21423	-2.37846	0.018489	0.296973
	-0.14377	-2.3775	0.018536	0.297197
	-0.20297	-2.37818	0.018503	0.297025
MTSS1;FER1L6-AS2;ENSG00000254000	-0.39022	-2.3781	0.018507	0.297035
	0.316985	2.377632	0.01853	0.297177
GALNT5	-0.20154	-2.3719	0.01881	0.298514
ASB1	0.234442	2.376807	0.01857	0.297406
	-0.15463	-2.37889	0.018469	0.29695
	0.35585	2.378112	0.018506	0.297035
	0.367237	2.376452	0.018587	0.297539

	-0.19367	-2.37444	0.018685	0.297965
MZB1;PCDHB14;CD14;PCDHB8	-0.30184	-2.37393	0.01871	0.29803
ATP6V0E2	-0.25419	-2.37299	0.018756	0.298235
	0.266089	2.372981	0.018757	0.298235
KIF21B	0.215194	2.379548	0.018437	0.296856
ENSG00000255443	-0.42369	-2.37378	0.018717	0.29803
SLC17A9;SLCO4A1	-0.23557	-2.37507	0.018654	0.297847
	0.185229	2.372758	0.018768	0.298244
C1QTNF1;TNRC6C;ENSG00000178404;TMC8;TIMP2;USP36;TN				
RC6C-AS1;DNAH17	-0.28118	-2.37505	0.018655	0.297847
	0.266929	2.376656	0.018577	0.297446
	0.285768	2.377775	0.018523	0.297131
	0.303181	2.37881	0.018472	0.29695
	-0.39475	-2.37943	0.018442	0.296902
SUN1	-0.30938	-2.37663	0.018578	0.297457
	0.308476	2.378358	0.018494	0.296983
	0.207007	2.372118	0.018799	0.298504
	0.13179	2.378638	0.018481	0.29695
SUN1	-0.35177	-2.37415	0.0187	0.297965
	0.243784	2.379086	0.018459	0.296902
	0.212187	2.377047	0.018558	0.297342
ENSG00000269282	-0.16471	-2.37358	0.018727	0.298034
	-0.3132	-2.37766	0.018528	0.297177
	0.199076	2.37896	0.018465	0.29695
	0.238086	2.379683	0.01843	0.296807
GRASP;ACVRL1;GALNT6;POU6F1;KRT7;DAZAP2;SLC11A2;KRT18				
;BIN2	0.267358	2.377247	0.018548	0.297257
	0.197185	2.376871	0.018567	0.297395
	-0.22054	-2.37382	0.018716	0.29803
	0.275316	2.374979	0.018659	0.297847
	0.128969	2.375114	0.018652	0.297847
SNORA74A;CTNNA1	0.144516	2.378602	0.018482	0.29695
	0.137547	2.37577	0.01862	0.297726
	0.188719	2.37572	0.018623	0.29773
	-0.2043	-2.37922	0.018452	0.296902
	0.272606	2.374279	0.018693	0.297965
	-0.19772	-2.37759	0.018532	0.297179
	-0.21692	-2.37456	0.018679	0.297965
TNFRSF1B	0.371102	2.378621	0.018482	0.29695
ENSG00000249279;ELOVL7	-0.31778	-2.36941	0.018933	0.299124
GTF3A	0.208038	2.375817	0.018618	0.29771
	0.217452	2.374713	0.018672	0.297956
MLLT4;THBS2;SMOC2;TCTE3	0.3057	2.374148	0.0187	0.297965
CLIP3;CAPNS1;CD22	-0.36818	-2.37877	0.018475	0.29695
GPR132;AHNAK2;IGHG2	-0.25077	-2.37932	0.018448	0.296902
	0.219026	2.373499	0.018731	0.298034
	0.143366	2.373769	0.018718	0.29803

TIMP2;C1QTNF1	-0.33197	-2.36789	0.019008	0.299485
	-0.23037	-2.37821	0.018502	0.297023
	-0.22977	-2.37264	0.018773	0.298319
LRP1;NAB2;ARHGEF25;RBMS2;CTDSP2;ENSG00000224713;PIP				
4K2C;GLI1;PTGES3;SMARCC2;TIMELESS;NDUFA4L2	0.308242	2.378155	0.018504	0.297025
	-0.21514	-2.37603	0.018608	0.297647
P2RY6	-0.18081	-2.37413	0.0187	0.297965
	-0.27753	-2.37888	0.018469	0.29695
	0.141407	2.376101	0.018604	0.297634
	0.24908	2.37532	0.018642	0.297831
	0.314638	2.375339	0.018641	0.297827
GMIP	-0.16043	-2.37736	0.018543	0.297257
	0.277022	2.37299	0.018756	0.298235
	0.214336	2.377317	0.018545	0.297257
	0.33066	2.374361	0.018689	0.297965
MAD1L1	-0.39308	-2.37505	0.018655	0.297847
	-0.18604	-2.3738	0.018717	0.29803
SUN1	-0.29761	-2.37929	0.018449	0.296902
HIPK2	-0.28162	-2.37686	0.018567	0.297395
TOR3A	0.210069	2.371981	0.018806	0.298511
WDR45B;LRRC45	-0.48143	-2.37499	0.018659	0.297847
	0.267043	2.375478	0.018634	0.297775
	0.236232	2.374254	0.018694	0.297965
	0.202046	2.375707	0.018623	0.29773
TACSTD2	-0.30729	-2.37653	0.018583	0.297513
RGS5	0.272701	2.37493	0.018661	0.297858
NES;PEAR1;LRRC71;SYT11;HDGF;MEF2D	0.237441	2.377952	0.018514	0.297118
	-0.26227	-2.37443	0.018686	0.297965
ITGB2	-0.12883	-2.37388	0.018712	0.29803
	-0.29295	-2.3722	0.018795	0.298499
SLC41A1	0.260836	2.37538	0.018639	0.297818
PDCD6;LPCAT1;NKD2;TRIP13;MRPL36	-0.23498	-2.3751	0.018653	0.297847
	0.277153	2.374511	0.018682	0.297965
	0.162836	2.371393	0.018835	0.298598
GRSF1	-0.37593	-2.3751	0.018653	0.297847
	0.277519	2.37864	0.018481	0.29695
	0.172414	2.372792	0.018766	0.298244
	0.345639	2.369511	0.018928	0.299124
	0.254402	2.3747	0.018673	0.297956
	0.130272	2.377455	0.018538	0.297203
SAMD8	-0.45536	-2.37428	0.018693	0.297965
	-0.25847	-2.3778	0.018521	0.297131
	-0.24269	-2.37717	0.018552	0.297277
	-0.26319	-2.37241	0.018785	0.298391
	-0.29177	-2.3743	0.018692	0.297965
	0.307089	2.371866	0.018812	0.298529
	0.174419	2.37348	0.018732	0.298034

TAL1;ENSG00000226252;CYP4B1;SPATA6;STIL;ENSG00000236476;TRABD2B	-0.33723	-2.36577	0.019114	0.29986
	0.275093	2.370027	0.018902	0.298982
IL10RA	0.243191	2.375242	0.018646	0.297847
	0.149952	2.374098	0.018702	0.297965
	-0.41172	-2.37503	0.018657	0.297847
APBB2;RBM47	0.381429	2.372828	0.018764	0.298244
MATK;S1PR4	-0.28312	-2.3762	0.018599	0.297615
	-0.25531	-2.37567	0.018625	0.297737
	0.316341	2.375652	0.018626	0.29774
	0.209294	2.366308	0.019087	0.299839
	-0.25051	-2.37287	0.018762	0.298244
DOK2	0.380221	2.374466	0.018684	0.297965
TIMP2;C1QTNF1;CBX2;TNRC6C	0.182947	2.374325	0.018691	0.297965
RUNDC1;ACLY;ATP6V0A1;BECN1	-0.30115	-2.37386	0.018714	0.29803
	0.264771	2.379213	0.018453	0.296902
ADARB1;COL18A1;TRAPPC10;COL18A1-AS1;ENSG00000268805;ICOSLG	0.243825	2.374972	0.018659	0.297847
	0.133242	2.375184	0.018649	0.297847
	0.237929	2.370121	0.018898	0.298952
	-0.23264	-2.36995	0.018906	0.299003
ENSG00000232807	-0.35201	-2.36816	0.018995	0.299429
	0.261132	2.373701	0.018721	0.298034
	-0.19099	-2.37371	0.018721	0.298034
PTPN7	-0.3139	-2.37006	0.018901	0.298981
HSPB1	-0.40845	-2.37601	0.018609	0.297648
MIPOL1;PAX9	0.35069	2.376087	0.018605	0.297634
	-0.39857	-2.37446	0.018684	0.297965
	-0.62605	-2.37199	0.018806	0.298511
	-0.15956	-2.37133	0.018838	0.298598
ARRDC4	0.194848	2.37196	0.018807	0.298511
GEMIN4;SLC43A2;NXN	-0.1735	-2.37096	0.018856	0.298715
	-0.17286	-2.37671	0.018574	0.297446
ENSG00000267053;DMKN	-0.35241	-2.37731	0.018545	0.297257
	0.261526	2.374213	0.018696	0.297965
	-0.15381	-2.37051	0.018878	0.298779
	-0.21086	-2.3715	0.01883	0.29859
	-0.16969	-2.37317	0.018747	0.298197
	-0.35855	-2.37211	0.0188	0.298504
	0.271312	2.37447	0.018684	0.297965
	-0.39323	-2.37551	0.018633	0.297774
PPP1R12B;ELF3;CSRP1;LMOD1;TIMM17A;LGR6;RNPEP;UBE2T;C1orf106	-0.20249	-2.37301	0.018755	0.298235
	0.264277	2.373705	0.018721	0.298034
ROR2;SPTLC1	-0.22986	-2.37553	0.018632	0.297774
	0.166108	2.376739	0.018573	0.297446
	-0.34658	-2.37584	0.018617	0.297705

	0.301423	2.377242	0.018549	0.297257
	-0.21699	-2.37305	0.018753	0.298235
	0.273212	2.375509	0.018633	0.297774
FGD5;FBLN2	-0.26382	-2.36981	0.018913	0.299041
RPL41;CD63	0.322793	2.37672	0.018574	0.297446
	0.274386	2.373489	0.018732	0.298034
MRAS	-0.347	-2.37398	0.018708	0.298028
	0.297768	2.371499	0.01883	0.29859
	0.203735	2.371354	0.018837	0.298598
	-0.20941	-2.37746	0.018538	0.297203
	0.216883	2.372467	0.018782	0.29837
	0.293531	2.372801	0.018766	0.298244
ENSG00000259065	-0.23687	-2.37257	0.018777	0.298342
	-0.1919	-2.36968	0.018919	0.299085
	-0.26075	-2.37574	0.018622	0.29773
	-0.31557	-2.36888	0.018959	0.299247
	-0.27925	-2.37368	0.018723	0.298034
	0.322914	2.376245	0.018597	0.297611
CMTR1	-0.17534	-2.37016	0.018896	0.298932
TSPAN4;TALDO1;ATHL1;PKP3;ENSG00000251661;BRSK2	-0.1851	-2.37464	0.018675	0.297965
	-0.18578	-2.37054	0.018877	0.298779
IFT20;TIAF1	-0.25716	-2.37488	0.018664	0.297886
	0.170554	2.374929	0.018661	0.297858
	-0.32507	-2.37482	0.018666	0.297918
	0.194283	2.372966	0.018757	0.298235
	-0.4217	-2.3763	0.018594	0.297587
GCNT1P1;PCSK2;DZANK1	0.132636	2.370076	0.0189	0.298977
	0.166448	2.375211	0.018648	0.297847
	-0.26925	-2.37207	0.018802	0.298511
	-0.25088	-2.37419	0.018698	0.297965
GIMAP8;GIMAP5	-0.20306	-2.37572	0.018623	0.29773
	0.359751	2.374229	0.018696	0.297965
TVP23B;SNORD3A;FAM83G	-0.28997	-2.37577	0.01862	0.297726
GRID1	-0.29541	-2.37681	0.018569	0.297406
	0.345465	2.375433	0.018637	0.297788
RNF166	0.410826	2.376687	0.018575	0.297446
	-0.16643	-2.37476	0.018669	0.297943
RPL41P1	0.415866	2.375205	0.018648	0.297847
	-0.30494	-2.3716	0.018825	0.29859
	0.239652	2.37149	0.01883	0.29859
	0.173675	2.37604	0.018607	0.297647
	-0.2068	-2.36941	0.018933	0.299124
	-0.26076	-2.36849	0.018979	0.299275
	0.219117	2.373151	0.018748	0.298197
	0.288714	2.375014	0.018657	0.297847
ICT1	-0.21145	-2.37597	0.018611	0.297648
	-0.18972	-2.37384	0.018715	0.29803

	0.244756	2.376384	0.01859	0.297564
	-0.19463	-2.36614	0.019096	0.29986
	-0.1558	-2.37558	0.018629	0.297773
	-0.21502	-2.37413	0.0187	0.297965
	0.26584	2.374127	0.018701	0.297965
ARID4B	0.192296	2.373554	0.018729	0.298034
	0.169709	2.36954	0.018926	0.299124
	0.119024	2.374113	0.018701	0.297965
	-0.14439	-2.37074	0.018867	0.298737
	0.266173	2.373578	0.018727	0.298034
	0.258762	2.371652	0.018822	0.29859
PLEKHG4	-0.20997	-2.37131	0.018839	0.298598
	-0.27922	-2.36902	0.018952	0.29921
	0.289373	2.373824	0.018715	0.29803
TXNDC12;SCP2	0.209535	2.373654	0.018724	0.298034
	-0.42061	-2.37353	0.01873	0.298034
	-0.31737	-2.36977	0.018915	0.299046
	-0.24478	-2.37131	0.018839	0.298598
C10orf128	-0.2819	-2.37145	0.018832	0.298597
	-0.21083	-2.37351	0.018731	0.298034
MYEF2	0.261736	2.372135	0.018798	0.298504
ATP6V0B	-0.29133	-2.37316	0.018748	0.298197
	0.208784	2.374214	0.018696	0.297965
	0.246648	2.371654	0.018822	0.29859
PLEKHA7	0.254325	2.373147	0.018749	0.298197
	-0.2395	-2.3751	0.018653	0.297847
	0.309055	2.372759	0.018768	0.298244
EPB41L5	0.251469	2.368956	0.018955	0.299233
	0.240666	2.369914	0.018908	0.299003
	0.323409	2.374989	0.018658	0.297847
TTYH2;UNC13D;SLC16A5;FDXR;ICT1;SLC9A3R1;MRPS7;GPRC5C ;SMIM6;SMIM5;ENSG00000264853;HN1	-0.2633	-2.37193	0.018809	0.298511
	-0.29067	-2.37235	0.018788	0.298409
	0.312675	2.37432	0.018691	0.297965
	0.267717	2.371299	0.01884	0.298598
RMRP	-0.1522	-2.37248	0.018781	0.29837
	-0.1496	-2.3738	0.018717	0.29803
	0.126855	2.371779	0.018816	0.298553
	0.17147	2.368721	0.018967	0.299275
DAXX	-0.1476	-2.37326	0.018743	0.298161
	-0.1623	-2.37078	0.018865	0.298737
	-0.37684	-2.37308	0.018752	0.298235
	-0.14991	-2.37376	0.018719	0.29803
	0.276252	2.372509	0.01878	0.29837
	-0.16855	-2.36733	0.019036	0.299602
	0.259241	2.368843	0.018961	0.299256
	0.260613	2.375166	0.01865	0.297847

SACS;SPATA13;PARP4	-0.27735	-2.37433	0.018691	0.297965
ANKDD1B	-0.26508	-2.37458	0.018678	0.297965
	0.161014	2.370323	0.018888	0.298861
	0.256705	2.373144	0.018749	0.298197
	-0.17176	-2.37202	0.018804	0.298511
	0.329121	2.372432	0.018784	0.298386
ENSG00000235505;CASP12;PDGFD	-0.36175	-2.37409	0.018702	0.297965
	0.184442	2.369109	0.018948	0.29921
	0.160289	2.371831	0.018813	0.298545
	0.198576	2.372186	0.018796	0.298501
	-0.26904	-2.37376	0.018719	0.29803
	-0.15473	-2.37192	0.018809	0.298511
	0.178286	2.368908	0.018958	0.299247
CYS1;KLF11	0.311141	2.372631	0.018774	0.298319
	-0.17111	-2.36996	0.018906	0.299003
	-0.21863	-2.37261	0.018775	0.298328
	0.175952	2.374385	0.018688	0.297965
	-0.14496	-2.37103	0.018853	0.29871
	-0.14029	-2.37045	0.018881	0.298794
SEMA7A;SNX33	-0.23016	-2.37447	0.018684	0.297965
APOL1;APOL2;IL2RB	-0.29375	-2.37216	0.018797	0.298502
	0.231238	2.372839	0.018764	0.298244
	0.254837	2.373757	0.018719	0.29803
	0.217541	2.372483	0.018781	0.29837
	-0.17824	-2.37137	0.018836	0.298598
USP43;PIK3R6;CTC1;PIK3R5	0.320037	2.373946	0.018709	0.29803
	-0.2308	-2.36978	0.018914	0.299046
COL4A2;COL4A1;RAB20	0.406564	2.370513	0.018878	0.298779
	-0.26144	-2.37513	0.018651	0.297847
	0.250242	2.369919	0.018908	0.299003
	-0.39955	-2.36683	0.019061	0.299629
	0.183585	2.369087	0.018949	0.29921
	0.445346	2.376222	0.018598	0.297615
	0.237722	2.371487	0.01883	0.29859
MAP3K13;LIPH;EHHADH;DGKG;C3orf70	0.353289	2.370717	0.018868	0.298737
	-0.2793	-2.37202	0.018804	0.298511
	0.131961	2.371934	0.018808	0.298511
	-0.19803	-2.37119	0.018845	0.298629
	0.17778	2.372774	0.018767	0.298244
	-0.15014	-2.37125	0.018842	0.298602
RIPK3	0.286383	2.37518	0.018649	0.297847
MRPL14;HSP90AB1;POLR1C;PEX6;RSPH9;DNPH1;MAD2L1BP;T				
CTE1;RPL7L1;CDC5L;YIPF3;RRP36;LRRC73	-0.2724	-2.37351	0.018731	0.298034
	-0.29447	-2.37207	0.018802	0.298511
	-0.2092	-2.36755	0.019025	0.299602
	-0.28823	-2.37306	0.018753	0.298235
	0.214602	2.368559	0.018975	0.299275

	-0.44937	-2.36986	0.01891	0.299033
BCL11B;EVL;WARS;DEGS2	0.253567	2.370798	0.018864	0.298737
	-0.1694	-2.36722	0.019041	0.299602
	0.313013	2.370527	0.018878	0.298779
	0.321061	2.3709	0.018859	0.298727
	0.207705	2.37129	0.01884	0.298598
	0.239545	2.372818	0.018765	0.298244
	-0.26352	-2.37066	0.018871	0.29876
ADCY5;KALRN;MYLK	-0.22983	-2.37524	0.018646	0.297847
SLC35B3;BMP6	-0.18055	-2.37141	0.018834	0.298598
	-0.31883	-2.36575	0.019115	0.29986
	-0.3006	-2.37095	0.018857	0.298715
	0.262595	2.368347	0.018986	0.299334
	0.180024	2.371001	0.018854	0.298715
ACP5;DOCK6;KANK2;ZNF44	-0.39372	-2.37216	0.018797	0.298502
	-0.26265	-2.36724	0.01904	0.299602
	-0.13872	-2.36949	0.018929	0.299124
	0.393094	2.369961	0.018906	0.299003
	0.254316	2.367148	0.019045	0.299602
	-0.19665	-2.37111	0.018849	0.298674
ADORA2B;TRIM16;MPRIP;TRPV2;NT5M;UBB;CDRT1	-0.35398	-2.37255	0.018778	0.298346
	0.264419	2.370419	0.018883	0.298797
C15orf26	-0.42724	-2.36878	0.018964	0.299275
	0.244901	2.374293	0.018692	0.297965
ZBED3	-0.34961	-2.36961	0.018923	0.299122
	0.269795	2.370973	0.018856	0.298715
	0.316368	2.371808	0.018814	0.298552
	0.127543	2.370572	0.018875	0.298779
	0.289376	2.371574	0.018826	0.29859
	0.173374	2.371263	0.018841	0.298602
	0.268547	2.360754	0.019366	0.301147
	-0.25501	-2.36655	0.019075	0.299759
	-0.26045	-2.37045	0.018881	0.298794
	-0.30787	-2.36747	0.019029	0.299602
	0.329219	2.372777	0.018767	0.298244
GIMAP7;GIMAP5;GIMAP2;LINC00996	-0.28177	-2.37077	0.018866	0.298737
	0.146704	2.370707	0.018869	0.298737
	-0.26485	-2.37019	0.018894	0.298922
FCHSD2;ARAP1	0.247311	2.369284	0.018939	0.299164
	-0.18429	-2.3686	0.018973	0.299275
KCNMB2	0.352544	2.371498	0.01883	0.29859
ENSG00000226321;ENSG00000223991;PASK;PPP1R7	0.263256	2.37056	0.018876	0.298779
JAKMIP1	-0.1646	-2.36687	0.019059	0.299629
	-0.16321	-2.36736	0.019035	0.299602
CPNE5;PI16	-0.27963	-2.36946	0.01893	0.299124
TIE1;PTPRF;SLC2A1;ERI3;EBNA1BP2;SLC6A9;TMEM53;SNORD46;CDC20;CCDC24;C1orf210	-0.36858	-2.36591	0.019107	0.29986

	0.254331	2.365781	0.019113	0.29986
	-0.17535	-2.36906	0.01895	0.29921
RAB6B	0.271552	2.371186	0.018845	0.298629
CATSPERB;TC2N;ENSG00000268657;NDUFB1	0.229144	2.37379	0.018717	0.29803
	0.286547	2.370795	0.018864	0.298737
	0.152247	2.367831	0.019011	0.299485
	0.281982	2.372757	0.018768	0.298244
	0.193084	2.370304	0.018889	0.298864
	0.223701	2.374367	0.018689	0.297965
	-0.22587	-2.36916	0.018945	0.29921
C14orf79;AHNAK2;IGHG1;IGHG2;GPR132;IGHG4;IGHA1;ADSSL 1;IGHA2;IGHG3	-0.34815	-2.36868	0.018969	0.299275
	-0.20848	-2.37326	0.018743	0.298161
USP43;LINC00675;MYH3	0.231627	2.366096	0.019098	0.29986
	0.351345	2.371282	0.01884	0.298598
	0.267352	2.368326	0.018987	0.29934
	0.30172	2.369553	0.018926	0.299124
	0.265392	2.37044	0.018882	0.298794
	0.29183	2.368734	0.018966	0.299275
	0.299684	2.368082	0.018999	0.299453
LINC00964	-0.2969	-2.36682	0.019062	0.299629
	0.160396	2.365906	0.019107	0.29986
	-0.25647	-2.37196	0.018807	0.298511
	0.175281	2.365072	0.019149	0.299949
	-0.2922	-2.37355	0.018729	0.298034
KIAA1731	-0.30812	-2.37201	0.018805	0.298511
	-0.41613	-2.37093	0.018858	0.298715
SH3BP4	0.271242	2.37285	0.018763	0.298244
	-0.23811	-2.37148	0.018831	0.29859
C3orf52;PHLDB2;GCSAM;ENSG00000261488;ABHD10	-0.30899	-2.36597	0.019104	0.29986
	-0.30665	-2.36779	0.019013	0.299496
	-0.14085	-2.36204	0.019301	0.300845
TBC1D10C;SYT12	0.319608	2.372372	0.018787	0.2984
	0.209991	2.36947	0.01893	0.299124
DENND3	-0.20717	-2.36712	0.019047	0.299602
	0.227911	2.365205	0.019142	0.299949
CAB39;PSMD1;TRIP12	0.183486	2.366839	0.019061	0.299629
	0.294355	2.371582	0.018826	0.29859
	-0.30832	-2.3717	0.01882	0.29859
	0.198639	2.36981	0.018913	0.299041
TMEM204;HN1L;UNKL;PDPK1;FLYWCH1;SRRM2	-0.37766	-2.37223	0.018794	0.298488
	0.202575	2.372392	0.018786	0.298395
EFNB2	0.339743	2.373011	0.018755	0.298235
SH2D2A	-0.38732	-2.37336	0.018738	0.298102
NPR1;ATP8B2;JTB;GATAD2B;S100A8;CREB3L4;S100A9;S100A6; C1orf43	-0.33886	-2.36825	0.01899	0.299388
ARHGEF10	0.251634	2.371557	0.018827	0.29859

HES2;CAMTA1;THAP3	-0.47357	-2.37201	0.018805	0.298511
	0.148138	2.371061	0.018851	0.298704
	-0.45996	-2.36694	0.019055	0.299618
	-0.26347	-2.37276	0.018768	0.298244
	0.236883	2.366416	0.019082	0.299798
HLA-A;MDC1;HLA-B;HLA-C;OR2I1P;GABBR1	-0.37478	-2.37024	0.018892	0.298894
FUOM;ADAM8	-0.33769	-2.37082	0.018863	0.298737
	-0.23215	-2.37044	0.018882	0.298794
	0.30021	2.368019	0.019002	0.299471
	0.211771	2.368484	0.018979	0.299275
	0.378081	2.371588	0.018825	0.29859
	-0.287	-2.36841	0.018982	0.299296
ESR1;C6orf211	-0.26106	-2.36812	0.018997	0.299435
	-0.31525	-2.36939	0.018934	0.299125
	0.196618	2.369015	0.018952	0.29921
KANK1	0.331987	2.367266	0.019039	0.299602
SMG5	-0.18797	-2.36944	0.018932	0.299124
	-0.28891	-2.37104	0.018852	0.29871
MRE11A	0.160251	2.365003	0.019152	0.299959
EFCAB7	-0.34934	-2.36677	0.019064	0.299653
MYH14;ENSG00000167765;VRK3	-0.3352	-2.37166	0.018822	0.29859
	-0.25414	-2.3714	0.018834	0.298598
	0.234036	2.367617	0.019022	0.299597
TSTA3	0.219513	2.369937	0.018907	0.299003
	0.236741	2.369292	0.018939	0.299164
	-0.17483	-2.36725	0.01904	0.299602
	0.199134	2.367445	0.01903	0.299602
	-0.17113	-2.36502	0.019151	0.299959
	0.238762	2.369025	0.018952	0.29921
NID2	-0.33771	-2.36851	0.018978	0.299275
	0.330514	2.366238	0.019091	0.29986
	-0.25217	-2.37129	0.01884	0.298598
	0.261407	2.367132	0.019046	0.299602
	0.316887	2.366463	0.019079	0.299795
	0.203027	2.364134	0.019196	0.300345
	0.228192	2.36851	0.018978	0.299275
	-0.19182	-2.36671	0.019067	0.299675
ARHGEF10	0.318665	2.366957	0.019055	0.299618
	-0.28054	-2.36582	0.019111	0.29986
	-0.2808	-2.36581	0.019112	0.29986
	0.115474	2.365831	0.019111	0.29986
ACSM1	-0.20316	-2.36309	0.019248	0.300501
	-0.29147	-2.36952	0.018927	0.299124
	0.1592	2.367862	0.01901	0.299485
CD74	-0.17872	-2.36925	0.018941	0.299179
TSPAN4;IGF2;MOB2;MRPL23;ENSG00000251661;TALDO1;DEAF1;LRRC56;PHRF1	-0.29329	-2.36613	0.019096	0.29986

	0.2633	2.368821	0.018962	0.299261
SHE;ATP8B2;DENND4B;SNAPIN;S100A6;TDRD10	-0.31274	-2.36802	0.019002	0.299471
MAGI2;MAGI2-AS3	0.351352	2.370715	0.018868	0.298737
	-0.15331	-2.36689	0.019058	0.299629
	0.215305	2.369509	0.018928	0.299124
PLVAP;B3GNT3	0.259167	2.367325	0.019036	0.299602
TMEM254	-0.28869	-2.36909	0.018949	0.29921
	0.310064	2.367839	0.019011	0.299485
	0.263572	2.368639	0.018971	0.299275
	0.180706	2.365683	0.019118	0.29986
SLC37A1;PDE9A;CSTB;ENSG00000225431;TMPRSS3;RSPH1;C21 orf128;TFF3	-0.48148	-2.37148	0.018831	0.29859
	-0.14915	-2.36715	0.019045	0.299602
	0.288582	2.368587	0.018974	0.299275
	0.342217	2.370269	0.01889	0.298881
	-0.20995	-2.36848	0.018979	0.299275
ENSG00000251603	-0.2988	-2.37079	0.018864	0.298737
	0.190759	2.369847	0.018911	0.299034
ARRDC2;JAK3;MAP1S	0.366974	2.363594	0.019223	0.300458
	0.257291	2.368668	0.01897	0.299275
	0.32041	2.367288	0.019038	0.299602
ENSG00000267262	-0.16808	-2.36517	0.019144	0.299949
	0.281978	2.367972	0.019004	0.299485
IRF1	0.240456	2.370625	0.018873	0.298779
	-0.17547	-2.36044	0.019382	0.301147
	-0.2243	-2.36902	0.018952	0.29921
LINC01121	0.326981	2.366372	0.019084	0.299822
	0.321245	2.370876	0.01886	0.298727
SLC2A5	-0.19525	-2.36475	0.019165	0.300082
	0.265894	2.367099	0.019048	0.299602
	0.296054	2.364605	0.019172	0.300158
	-0.22095	-2.36931	0.018938	0.299163
	0.200865	2.369173	0.018945	0.29921
	-0.1794	-2.36906	0.01895	0.29921
	0.306928	2.365639	0.01912	0.29986
OGG1;LMCD1;CAMK1;SRGAP3-AS2	0.276224	2.362075	0.019299	0.300845
PXDN;SNTG2;TPO	0.233824	2.370942	0.018857	0.298715
	-0.26702	-2.36909	0.018949	0.29921
	0.324523	2.367816	0.019012	0.299485
	0.178973	2.368464	0.01898	0.299276
	0.288343	2.367912	0.019007	0.299485
	-0.21715	-2.36739	0.019033	0.299602
	0.253691	2.367199	0.019043	0.299602
	-0.1761	-2.36735	0.019035	0.299602
	-0.23104	-2.36937	0.018935	0.299127
	-0.35433	-2.36754	0.019026	0.299602
	0.14752	2.363426	0.019231	0.300501

ENSG00000250698	-0.18529	-2.36561	0.019122	0.29986
	-0.21384	-2.36598	0.019104	0.29986
	0.251479	2.369626	0.018922	0.299118
	-0.13533	-2.36071	0.019368	0.301147
RNU2-59P;SNORA12;BLOC1S2;MRPL43	0.282266	2.36799	0.019003	0.299481
	-0.20423	-2.36945	0.018931	0.299124
	-0.14235	-2.36672	0.019066	0.299675
NEUROD2	0.321657	2.369445	0.018931	0.299124
	-0.25203	-2.36953	0.018927	0.299124
COQ5;DYNLL1;DYNLL1-AS1;P2RX7;CCDC60	0.29987	2.36893	0.018957	0.299242
	-0.65854	-2.36459	0.019173	0.300158
DOC2B;C17orf97;INPP5K;TLCD2	-0.30559	-2.37003	0.018902	0.298982
	0.18994	2.370741	0.018867	0.298737
	0.190249	2.365128	0.019146	0.299949
MORN1	0.680351	2.368642	0.018971	0.299275
ENSG00000238120;FBLN1;NUP50;ENSG00000226328;ENSG00000230922;PARVB	-0.34359	-2.36698	0.019053	0.299618
NXPH3;SGCA;COL1A1;ANKRD40;CACNA1G;LRRC59	0.322007	2.366323	0.019086	0.299839
	0.237714	2.369066	0.01895	0.29921
PLAC8	-0.35262	-2.36757	0.019024	0.299602
	-0.31418	-2.36132	0.019337	0.300983
CYB5D1;DNAH2;TMEM107;WRAP53;EFNB3;KCTD11;NLGN2;CTC1	-0.22611	-2.36856	0.018975	0.299275
NEURL1B;STC2;RPL26L1	0.248953	2.367096	0.019048	0.299602
SORBS2	-0.2833	-2.36423	0.019191	0.300344
	0.242202	2.3652	0.019142	0.299949
	0.226906	2.368893	0.018959	0.299247
	0.156813	2.369694	0.018919	0.299085
	0.17567	2.366437	0.019081	0.299798
	0.126445	2.367848	0.01901	0.299485
	0.316266	2.366627	0.019071	0.299732
CCDC74A;GPR39;NCKAP5;ENSG00000213222;C2orf27A;TUBA3D	-0.28744	-2.36148	0.019329	0.300983
	-0.19868	-2.36877	0.018965	0.299275
	0.181638	2.368155	0.018995	0.299429
	0.206074	2.367423	0.019032	0.299602
	0.15873	2.36493	0.019156	0.299984
	-0.27325	-2.36795	0.019005	0.299485
	0.246353	2.366317	0.019087	0.299839
	0.284244	2.369761	0.018916	0.299046
	0.150533	2.364658	0.01917	0.300131
TRAF3IP1;HES6;RAB17;ENSG00000232306	-0.24626	-2.36848	0.018979	0.299275
TRPM2;ITGB2	0.259336	2.368975	0.018954	0.299229
	-0.22534	-2.36903	0.018952	0.29921
	-0.20994	-2.36283	0.019261	0.300598
	0.181455	2.366598	0.019073	0.299744
	0.134193	2.367751	0.019015	0.299514

	0.323217	2.365539	0.019125	0.299869
	0.2735	2.368864	0.01896	0.29925
	0.197201	2.360875	0.01936	0.301124
PFKFB2;CD34;DYRK3	-0.37059	-2.36524	0.01914	0.299949
SSU72	-0.24236	-2.36144	0.019331	0.300983
OARD1;C6orf132;ENSG00000261068	-0.23822	-2.36177	0.019314	0.300937
	-0.22859	-2.36812	0.018997	0.299435
	0.164277	2.367927	0.019006	0.299485
	0.198853	2.365291	0.019138	0.299949
	0.153581	2.365568	0.019124	0.29986
	0.314197	2.365729	0.019116	0.29986
GSKIP	-0.21448	-2.36844	0.018981	0.29928
LRBA	0.33091	2.367513	0.019027	0.299602
	-0.13698	-2.36869	0.018968	0.299275
	-0.16999	-2.36518	0.019143	0.299949
	-0.25783	-2.36741	0.019032	0.299602
PDE2A;C2CD3;STARD10;UCP2;DNAJB13;PPME1;ARHGEF17;FCH				
SD2;MRPL48	0.205064	2.36284	0.019261	0.300598
	-0.16826	-2.36564	0.019121	0.29986
	0.315901	2.367718	0.019017	0.299528
	-0.69253	-2.36724	0.019041	0.299602
GOLGA3	0.193187	2.366063	0.019099	0.29986
	0.264035	2.360396	0.019384	0.301147
	-0.19644	-2.35978	0.019415	0.301261
	-0.27934	-2.36361	0.019222	0.300458
	-0.15053	-2.36149	0.019329	0.300983
ZNF503-AS2	-0.34722	-2.36697	0.019054	0.299618
	-0.18415	-2.36536	0.019135	0.299949
	0.243615	2.36618	0.019093	0.29986
CHCHD3;EXOC4	-0.34985	-2.36862	0.018972	0.299275
	-0.15754	-2.36069	0.019369	0.301147
	0.20669	2.362956	0.019255	0.300543
	-0.2863	-2.36873	0.018967	0.299275
	-0.33291	-2.36271	0.019267	0.300661
	0.269934	2.366229	0.019091	0.29986
	0.227435	2.367881	0.019009	0.299485
HES6;TRAF3IP1	0.269303	2.363957	0.019205	0.300395
	0.274456	2.367537	0.019026	0.299602
	0.279811	2.365191	0.019143	0.299949
	0.254148	2.363534	0.019226	0.300484
DMKN;ENSG00000267439;ZNF599	-0.24555	-2.36521	0.019142	0.299949
	0.237821	2.368558	0.018975	0.299275
APBB2;RBM47;UGDH;SMIM14;RHOH	-0.35902	-2.36148	0.019329	0.300983
	0.3127	2.367061	0.01905	0.299602
	-0.16716	-2.36057	0.019375	0.301147
EPAS1	0.236555	2.368512	0.018977	0.299275
	0.320238	2.366533	0.019076	0.299759

	0.262677	2.367369	0.019034	0.299602
	-0.17176	-2.36195	0.019305	0.30089
	0.304013	2.367934	0.019006	0.299485
	0.277224	2.365954	0.019105	0.29986
	0.25598	2.365467	0.019129	0.299915
	0.24643	2.366845	0.01906	0.299629
MEG3;YY1	0.238968	2.363716	0.019217	0.300458
	0.199932	2.367276	0.019039	0.299602
	-0.36524	-2.36703	0.019051	0.299613
	0.273753	2.360544	0.019376	0.301147
PHLDB1;FXYD2;MPZL3;DSCAML1;IFT46;ENSG00000254851	0.201228	2.361677	0.019319	0.300976
CYBA	-0.38529	-2.36508	0.019149	0.299949
BCL6B;TNFSF12;ARHGEF15;KCTD11;CLDN7;CTC1;SLC16A13;NL GN2;CYB5D1;WRAP53;ATP1B2;ACAP1;MYH10;MPDU1;SLC2A4;				
ALOX12P2;VAMP2;ENSG00000270606	-0.30661	-2.36714	0.019045	0.299602
TIE1;PTPRF;EBNA1BP2;ERI3;SLC2A1;C1orf210;ELOVL1;TMEM1				
25;ST3GAL3	-0.28666	-2.36559	0.019123	0.29986
	0.30595	2.363342	0.019235	0.300501
CDH24	0.300396	2.368156	0.018995	0.299429
CPXM2	0.28561	2.36437	0.019184	0.300268
	-0.39404	-2.36332	0.019237	0.300501
	0.285358	2.365652	0.01912	0.29986
KHDRBS3	0.278406	2.363111	0.019247	0.300501
ENSG00000250803;ENSG00000247311;PRDM6	0.180499	2.362449	0.01928	0.300732
	0.227435	2.367361	0.019035	0.299602
	0.241497	2.365802	0.019112	0.29986
KMT2A;MCAM;PHLDB1;MPZL3;UBE4A;CBL;ATP5L;TRAPPC4;BC				
L9L;TREH;IFT46;ARCN1;SLC37A4;CCDC84;DPAGT1	-0.31509	-2.36529	0.019138	0.299949
VIM-AS1	-0.32355	-2.36045	0.019381	0.301147
	0.198049	2.363623	0.019221	0.300458
FAM185A	0.260844	2.358171	0.019497	0.301759
HLA-F;HCP5;PPP1R18;HLA-E;PPP1R10	0.359374	2.366986	0.019053	0.299618
	0.1665	2.36324	0.019241	0.300501
RNF223	0.351346	2.365852	0.01911	0.29986
	0.209388	2.364069	0.019199	0.300348
	-0.15473	-2.36804	0.019001	0.299471
	0.208971	2.365121	0.019146	0.299949
SPN;ITGAL;PHKG2;CORO1A;DOC2A	0.334433	2.367063	0.019049	0.299602
EFCAB4B	0.236711	2.360924	0.019357	0.301101
	-0.31226	-2.36509	0.019148	0.299949
COL5A1;CAMSAP1;OLFM1;UBAC1;C9orf116	-0.38614	-2.36485	0.01916	0.300023
IQCA1	-0.35607	-2.36315	0.019245	0.300501
	-0.212	-2.36358	0.019223	0.300458
	0.186284	2.367464	0.019029	0.299602
	-0.19999	-2.36236	0.019285	0.300782
	0.251392	2.365643	0.01912	0.29986

	-0.1915	-2.36315	0.019245	0.300501
	-0.21636	-2.36438	0.019183	0.300268
NLK;WSB1;IFT20	-0.2329	-2.36417	0.019194	0.300345
	0.23414	2.366523	0.019076	0.299759
	-0.1789	-2.36421	0.019192	0.300345
	0.267649	2.365584	0.019123	0.29986
	0.140629	2.363698	0.019218	0.300458
COL5A1;OLFM1;CAMSAP1;LINC00094;PPP1R26-AS1;ENSG00000233936;PPP1R26;C9orf116	0.312013	2.360141	0.019397	0.301193
	-0.14607	-2.36028	0.01939	0.301147
RNF32	0.205034	2.361772	0.019315	0.300937
	0.260639	2.365753	0.019115	0.29986
	-0.3986	-2.36701	0.019052	0.299618
	-0.24504	-2.36751	0.019027	0.299602
COL6A3;RAB17;HES6;RBM44;IQCA1;FAM132B;MLPH	0.307493	2.363249	0.01924	0.300501
	0.243607	2.361411	0.019333	0.300983
	0.124171	2.361375	0.019334	0.300983
	0.155388	2.365659	0.019119	0.29986
	-0.12167	-2.36107	0.01935	0.30106
	-0.16431	-2.36617	0.019094	0.29986
	-0.1645	-2.36605	0.0191	0.29986
	0.268	2.365178	0.019143	0.299949
	0.219285	2.364959	0.019154	0.299971
	0.164735	2.363402	0.019232	0.300501
	0.143355	2.361877	0.019309	0.300922
	0.231699	2.363768	0.019214	0.300458
	-0.26858	-2.36719	0.019043	0.299602
	0.216927	2.36162	0.019322	0.300983
	-0.20861	-2.36059	0.019374	0.301147
	-0.44757	-2.36557	0.019124	0.29986
TBC1D9B	-0.24774	-2.36261	0.019272	0.300679
	-0.27472	-2.36365	0.01922	0.300458
	0.224333	2.365107	0.019147	0.299949
ELMSAN1;DNAL1;PNMA1	-0.3843	-2.36711	0.019047	0.299602
DHX16	0.184474	2.36582	0.019111	0.29986
	0.204012	2.366531	0.019076	0.299759
	0.24435	2.365566	0.019124	0.29986
	0.170556	2.365127	0.019146	0.299949
	0.27201	2.366417	0.019082	0.299798
	0.212308	2.36449	0.019178	0.300229
	-0.19644	-2.3634	0.019233	0.300501
SFMBT2;GATA3;ITIH5	0.330816	2.362194	0.019293	0.300789
	0.201479	2.36387	0.019209	0.30043
	0.376828	2.365004	0.019152	0.299959
	0.253205	2.35949	0.01943	0.301398
GABBR1;MDC1	-0.18657	-2.36187	0.019309	0.300922
	0.421779	2.364177	0.019194	0.300345

RABGAP1L;TNN	-0.24908	-2.36327	0.019239	0.300501
FAM120AOS	0.252584	2.363218	0.019242	0.300501
MAPRE3;EMILIN1;IFT172;KHK;DRC1	0.226673	2.365097	0.019148	0.299949
	0.323768	2.36523	0.019141	0.299949
	0.210812	2.363286	0.019238	0.300501
	0.14108	2.365102	0.019147	0.299949
MBOAT7;LILRA1;LILRB2	-0.29829	-2.36134	0.019336	0.300983
	0.179988	2.367203	0.019042	0.299602
	0.310332	2.365643	0.01912	0.29986
PTPRN2;ENSG00000231980	-0.32178	-2.36265	0.01927	0.300668
	0.522934	2.360299	0.019389	0.301147
ENSG00000257221;UBE3B;ATP2A2	-0.39351	-2.36592	0.019107	0.29986
	0.213453	2.363722	0.019216	0.300458
	-0.48934	-2.36618	0.019093	0.29986
ZNF415	0.288604	2.365322	0.019136	0.299949
SH2D3C;GARNL3;ENG	-0.18453	-2.36499	0.019153	0.299959
	0.178734	2.366838	0.019061	0.299629
	0.218687	2.366815	0.019062	0.299629
	0.169919	2.361872	0.019309	0.300922
OLFML1;EIF3F	-0.28344	-2.35826	0.019492	0.301759
	-0.1388	-2.36485	0.01916	0.300023
	-0.26196	-2.36384	0.01921	0.30044
	-0.23992	-2.36278	0.019263	0.300611
MYO1F;CERS4;PRAM1;CTXN1;ENSG00000263264;SNAPC2	-0.41304	-2.35485	0.019666	0.302563
	0.23308	2.362479	0.019279	0.300731
	0.280855	2.364124	0.019196	0.300345
	-0.20079	-2.3569	0.019561	0.302141
	0.162706	2.363453	0.01923	0.300501
	-0.26135	-2.35894	0.019457	0.301639
SCARB1;LINC00939	0.30148	2.363253	0.01924	0.300501
PIK3R5;SLC16A13;EFNB3	-0.3392	-2.35775	0.019518	0.301893
	0.314122	2.354974	0.01966	0.302563
TGFBR3	0.292142	2.359034	0.019453	0.301618
	0.308375	2.365715	0.019117	0.29986
	0.380831	2.357991	0.019506	0.301825
	0.142095	2.363177	0.019244	0.300501
	0.314475	2.364096	0.019198	0.300348
	-0.23361	-2.36588	0.019108	0.29986
	-0.30074	-2.36557	0.019124	0.29986
	0.191715	2.362673	0.019269	0.300668
	0.197638	2.355097	0.019653	0.302511
PRKCE	-0.23869	-2.36222	0.019292	0.300789
MRVI1;AMPD3;WEE1;ENSG00000254865;RNF141;CTR9	-0.35642	-2.36065	0.019371	0.301147
	-0.28952	-2.3605	0.019379	0.301147
	-0.20655	-2.36429	0.019188	0.300312
	0.182896	2.361463	0.01933	0.300983

	-0.21322	-2.36585	0.01911	0.29986
	-0.23481	-2.36481	0.019162	0.300046
	0.195895	2.359189	0.019445	0.301561
	0.223223	2.362274	0.019289	0.300789
AZIN1;ENSG00000247081;BAALC;CTHRC1;DCAF13;ENSG00000				
246263;FZD6;RRM2B	-0.37544	-2.36206	0.0193	0.300845
	-0.20608	-2.3624	0.019283	0.300758
	0.162841	2.364397	0.019183	0.300268
ENSG00000199899;TRAFD1;SLC8B1	0.276168	2.361329	0.019337	0.300983
	0.21126	2.363887	0.019208	0.300427
KCND3-AS1	-0.20204	-2.3637	0.019218	0.300458
	-0.29318	-2.36562	0.019121	0.29986
ENSG00000248994;NDUFS6;MRPL36	-0.2365	-2.36335	0.019235	0.300501
	-0.21414	-2.36603	0.019101	0.29986
	0.209478	2.363787	0.019213	0.300458
	0.305719	2.363799	0.019213	0.300458
TAL1	0.198852	2.362539	0.019276	0.300717
	0.231665	2.357826	0.019514	0.301885
	-0.23452	-2.36708	0.019049	0.299602
	-0.23464	-2.35845	0.019483	0.301745
	0.227448	2.362222	0.019292	0.300789
	0.307124	2.357778	0.019517	0.301887
	0.268784	2.365377	0.019134	0.299949
ZNF213;HMOX2	0.169544	2.3632	0.019243	0.300501
	-0.33171	-2.36101	0.019353	0.301073
	-0.18387	-2.36164	0.019321	0.300983
	-0.24189	-2.36611	0.019097	0.29986
	0.261481	2.36616	0.019094	0.29986
TUBGCP2;FUOM	-0.3312	-2.36572	0.019117	0.29986
	-0.23742	-2.363	0.019253	0.300521
	-0.15054	-2.36502	0.019151	0.299959
	0.220091	2.361717	0.019317	0.300967
	0.257371	2.361394	0.019334	0.300983
	0.236182	2.364118	0.019197	0.300345
ARPC5	0.275532	2.361784	0.019314	0.300937
	0.224129	2.364058	0.0192	0.300348
	0.293172	2.358787	0.019465	0.301692
	-0.20443	-2.3631	0.019248	0.300501
NOS3;CDK5	0.27687	2.363098	0.019248	0.300501
CYBA	-0.31781	-2.36609	0.019098	0.29986
TCEA2	0.241097	2.363616	0.019222	0.300458
	-0.20392	-2.36144	0.019331	0.300983
DLEC1	0.285296	2.365438	0.019131	0.299926
	0.167229	2.362642	0.019271	0.300668
	0.197648	2.365851	0.01911	0.29986
	0.337703	2.364383	0.019183	0.300268
	0.266248	2.358448	0.019483	0.301745

	0.21076	2.36139	0.019334	0.300983
PSMG3;GPR146;GPER1	-0.3056	-2.36407	0.019199	0.300348
PSMD13	0.211651	2.362277	0.019289	0.300789
	0.113992	2.358799	0.019465	0.301692
	-0.31042	-2.35832	0.019489	0.301759
FGFBP1;LDB2;C1QTNF7	-0.36913	-2.36045	0.019381	0.301147
	-0.16929	-2.36225	0.01929	0.300789
	-0.31376	-2.36467	0.019169	0.300131
SAMD15;AHSA1;SPTLC2;NOXRED1	0.268037	2.362018	0.019302	0.300851
	0.228571	2.362318	0.019287	0.300789
ZBTB9;HSD17B8;ITPR3;B3GALT4	-0.26632	-2.36105	0.019351	0.30106
ZNF827	0.347401	2.365138	0.019145	0.299949
PPP1R18	-0.27486	-2.36084	0.019362	0.301132
	-0.15159	-2.36076	0.019366	0.301147
	0.365601	2.360062	0.019401	0.301193
	0.203091	2.36152	0.019327	0.300983
	0.210744	2.360543	0.019377	0.301147
	-0.30205	-2.3616	0.019323	0.300983
ERN1;CD79B;LIMD2;RGS9;MILR1	-0.18643	-2.36032	0.019388	0.301147
	0.300901	2.363925	0.019206	0.300409
	0.253098	2.359488	0.01943	0.301398
PLXND1	0.254643	2.359519	0.019428	0.301398
	0.203111	2.356846	0.019564	0.30217
	-0.29485	-2.3585	0.01948	0.301745
	-0.27564	-2.36056	0.019376	0.301147
	-0.28837	-2.3603	0.019389	0.301147
	0.13571	2.36435	0.019185	0.300273
MAPK15	-0.17594	-2.36416	0.019195	0.300345
	-0.20925	-2.35849	0.01948	0.301745
	-0.14489	-2.35259	0.019782	0.303138
	0.200791	2.361499	0.019328	0.300983
	-0.1798	-2.36308	0.019249	0.300503
	-0.16521	-2.36075	0.019366	0.301147
ENSG00000261104	-0.15356	-2.36266	0.01927	0.300668
	0.323258	2.3635	0.019228	0.3005
TBC1D10C;GSTP1;ADRBK1;UNC93B1;ALDH3B1;PTPRCAP;ENSG00000255306;ALDH3B2;FAM86C2P	-0.2965	-2.36292	0.019257	0.300549
MEIS1	-0.33943	-2.36007	0.019401	0.301193
	-0.198	-2.35756	0.019528	0.301982
	0.209691	2.361448	0.019331	0.300983
RNF224;SLC34A3;LCNL1;INPP5E	-0.18995	-2.36363	0.019221	0.300458
	-0.29104	-2.35819	0.019496	0.301759
	-0.18912	-2.3631	0.019248	0.300501
CYBA	-0.24893	-2.35487	0.019665	0.302563
TEAD2;RCN3;PLA2G4C;CPT1C;FCGRT;CARD8;RRAS;EMP3;RASIP1	0.490806	2.364429	0.019181	0.300267
	-0.3183	-2.35981	0.019414	0.301261

GCC1	0.347746	2.363981	0.019203	0.300387
	-0.2708	-2.36301	0.019252	0.300521
RPN1	0.261369	2.359711	0.019419	0.3013
	0.340213	2.363318	0.019237	0.300501
TGIF2;MYL9	-0.45676	-2.36249	0.019279	0.300731
GRIK3;KIAA0319L;OSCP1;C1orf216;AGO3;ADPRHL2;COL8A2	0.356215	2.361057	0.019351	0.30106
	-0.26257	-2.36402	0.019201	0.300363
	-0.14835	-2.3606	0.019374	0.301147
	0.268262	2.360444	0.019382	0.301147
IRX2	0.262416	2.360917	0.019358	0.301101
	0.289791	2.360776	0.019365	0.301147
C5orf55;TRIP13;PLEKHG4B	-0.23605	-2.36225	0.01929	0.300789
	0.291364	2.359205	0.019444	0.30156
	-0.35237	-2.3631	0.019248	0.300501
	-0.40817	-2.35937	0.019436	0.301466
	-0.30455	-2.35994	0.019407	0.301213
	0.243766	2.360274	0.01939	0.301147
	0.155629	2.363116	0.019247	0.300501
GP5;LRRC15;FAM43A	-0.41889	-2.35282	0.01977	0.303093
	0.176387	2.360988	0.019354	0.301073
	-0.25634	-2.36304	0.019251	0.30052
	-0.2271	-2.35868	0.019471	0.30171
TMEM45B;ARHGAP32;ADAMTS15;BARX2;ADAMTS8;SNX19	-0.46969	-2.35988	0.01941	0.301235
	0.260578	2.363129	0.019246	0.300501
SPSB1	-0.35797	-2.3567	0.019571	0.302172
GNAO1	0.26198	2.363627	0.019221	0.300458
HCP5;HLA-C;PSORS1C3;HLA-B;C2;HLA-E;HSPA1B	0.310109	2.362124	0.019297	0.300832
	0.31409	2.361791	0.019314	0.300937
CARD11;SDK1	0.325024	2.357543	0.019529	0.301982
	-0.21136	-2.36032	0.019388	0.301147
	-0.14833	-2.35843	0.019483	0.301745
LRCH1	0.405978	2.362042	0.019301	0.300845
	-0.2466	-2.35748	0.019532	0.301986
	0.229793	2.356176	0.019598	0.302229
KCNE1;ENSG00000243627;ENSG00000221398;ENSG00000272958;ENSG00000273104	-0.22337	-2.36126	0.01934	0.300996
	0.394863	2.361596	0.019323	0.300983
RAD17P2	0.245943	2.360084	0.0194	0.301193
	-0.14412	-2.36009	0.0194	0.301193
	0.212018	2.359529	0.019428	0.301398
	-0.24009	-2.36177	0.019315	0.300937
RQCD1;STK11IP	-0.36756	-2.36221	0.019293	0.300789
	-0.21337	-2.36098	0.019354	0.301073
CASZ1;TARDBP;ENSG00000272078;PGAM1P11;PEX14	-0.42723	-2.35817	0.019497	0.301759
	0.28855	2.360282	0.01939	0.301147

NARS2;USP35	-0.38541	-2.35892	0.019458	0.301639
TUBGCP2;FUOM;LRRC27;PWWP2B;STK32C;TTC40	-0.32118	-2.35747	0.019532	0.301986
	-0.19157	-2.36099	0.019354	0.301073
	-0.50844	-2.3637	0.019218	0.300458
SNORA23	-0.20001	-2.36415	0.019195	0.300345
	0.22062	2.361788	0.019314	0.300937
	-0.21988	-2.35874	0.019468	0.301698
TMEM37	-0.21326	-2.35595	0.01961	0.302265
	-0.20385	-2.35737	0.019538	0.302007
	0.422693	2.357485	0.019532	0.301986
TCF21;SLC2A12	0.16192	2.355386	0.019639	0.302398
	0.385165	2.363249	0.01924	0.300501
	-0.29536	-2.35912	0.019449	0.301586
	0.285151	2.361154	0.019346	0.301047
ENSG00000255121	-0.33163	-2.363	0.019253	0.300521
	0.252413	2.361213	0.019343	0.301012
MGAT5;NCKAP5;MAP3K19;TMEM163	-0.30652	-2.36144	0.019331	0.300983
	0.432744	2.363287	0.019238	0.300501
	-0.2588	-2.36113	0.019347	0.301055
	0.30762	2.362112	0.019297	0.300832
	0.224776	2.359703	0.019419	0.3013
HERC1	0.275262	2.362929	0.019256	0.300549
	0.263946	2.360489	0.019379	0.301147
	-0.24786	-2.35637	0.019588	0.302229
	0.268371	2.360611	0.019373	0.301147
	-0.44327	-2.36334	0.019236	0.300501
TMOD2;MAPK6;MYO5C	-0.30779	-2.36227	0.01929	0.300789
BAIAP2	-0.38787	-2.3636	0.019222	0.300458
	-0.1662	-2.35782	0.019515	0.301885
	0.302579	2.356018	0.019606	0.302257
POC1A;DOCK3;PCBP4;SEMA3G;GNL3;PPM1M;ITIH3	-0.23314	-2.35978	0.019415	0.301261
IL10RA	-0.30622	-2.35577	0.019619	0.302291
	0.279961	2.35848	0.019481	0.301745
	0.263411	2.358248	0.019493	0.301759
	0.308954	2.355338	0.019641	0.302398
	-0.19984	-2.36014	0.019397	0.301193
CLDN7;VAMP2;ARHGEF15;SLC2A4;MPDU1;ATP1B2;NLGN2	-0.22781	-2.3617	0.019318	0.300967
	-0.12418	-2.35886	0.019462	0.301666
	-0.26536	-2.35917	0.019446	0.301567
XPR1	-0.35886	-2.36126	0.01934	0.300996
	-0.29114	-2.35618	0.019598	0.302229
	-0.18784	-2.36044	0.019382	0.301147
	0.238149	2.357273	0.019542	0.302038
	0.340078	2.356145	0.0196	0.302229
WIPF1	-0.40309	-2.35724	0.019544	0.302038
	-0.34812	-2.35982	0.019413	0.301261

	0.379494	2.36149	0.019329	0.300983
ANKRD12	0.276096	2.352546	0.019784	0.303138
ENSG00000220804	0.164561	2.353833	0.019718	0.302843
	0.347849	2.359499	0.019429	0.301398
ENSG00000254142	0.321929	2.360004	0.019404	0.301213
C20orf166-AS1	0.440716	2.362548	0.019275	0.300717
CD22	-0.34413	-2.35995	0.019407	0.301213
	0.306694	2.356432	0.019585	0.302229
	-0.23285	-2.35723	0.019545	0.302038
	0.142088	2.357084	0.019552	0.302055
	-0.34374	-2.35697	0.019558	0.302119
RBMS2;ERBB3;ITGA7;MMP19;PTGES3	-0.29195	-2.35808	0.019501	0.301801
CLIC5;ENSG00000231769;ENPP4;RCAN2	-0.24919	-2.36108	0.019349	0.30106
	0.24721	2.35262	0.019781	0.303138
ABCB10	-0.39481	-2.35855	0.019478	0.301745
SLC17A9	0.270517	2.358739	0.019468	0.301698
SLC5A4;DUSP18;DRG1;SMTN;PES1;YWHAH	-0.38763	-2.35991	0.019408	0.301222
CDCP1	-0.35572	-2.36125	0.019341	0.300996
	0.252155	2.362451	0.01928	0.300732
BTBD1	0.20663	2.359209	0.019444	0.30156
TSPAN4;LRRC56;TALDO1;ENSG00000251661;IFITM3;ENSG000				
00254815;IFITM2	-0.38805	-2.3571	0.019551	0.302055
EXTL2	-0.23825	-2.35331	0.019745	0.302937
	0.294654	2.359481	0.01943	0.301398
TMC8	0.371639	2.361305	0.019338	0.300983
STEAP3;DBI;INHBB;RALB	-0.31061	-2.36057	0.019375	0.301147
	-0.28454	-2.35877	0.019466	0.301695
ITGA5;MMP19;TESPA1;NCKAP1L;PDE1B;SARNP;ITGA7	0.405018	2.355575	0.019629	0.302358
MB21D1	0.137202	2.356614	0.019576	0.302178
	0.303071	2.360387	0.019384	0.301147
	-0.21608	-2.3568	0.019566	0.302172
LPO;TEX14	-0.29897	-2.35997	0.019406	0.301213
	-0.26164	-2.36133	0.019337	0.300983
	0.152639	2.357052	0.019554	0.302062
	0.309303	2.360839	0.019362	0.301132
LCK	-0.293	-2.3601	0.019399	0.301193
	-0.22551	-2.36043	0.019382	0.301147
	0.166967	2.357837	0.019514	0.301885
EPSTI1	-0.28053	-2.35816	0.019497	0.301759
	-0.2842	-2.35324	0.019749	0.302975
GRID1;ADIRF-AS1	-0.30864	-2.34938	0.019948	0.303891
	-0.18024	-2.35529	0.019643	0.302422
USP15	-0.38371	-2.36107	0.01935	0.30106
	0.297373	2.360644	0.019371	0.301147
SPINT1	-0.17568	-2.35995	0.019406	0.301213
	0.268315	2.358723	0.019469	0.301698
	0.138588	2.356753	0.019569	0.302172

GNA15;AES	-0.24649	-2.36131	0.019338	0.300983
C17orf80	0.215736	2.355989	0.019608	0.302259
	-0.29519	-2.36227	0.019289	0.300789
ADORA2A-AS1;DERL3	0.38294	2.362805	0.019262	0.300606
	-0.25977	-2.35756	0.019528	0.301982
	-0.29702	-2.36251	0.019277	0.30073
LILRB1;LILRB2;LILRA1;LAIR1	0.386112	2.3598	0.019414	0.301261
FAM71D;RAD51B;EIF2S1	-0.26411	-2.36013	0.019397	0.301193
	-0.16342	-2.35376	0.019722	0.302859
	-0.17049	-2.35836	0.019487	0.301759
SLC39A7	-0.22927	-2.35941	0.019434	0.301444
	0.178788	2.358252	0.019493	0.301759
	0.262907	2.357692	0.019521	0.301927
	-0.21317	-2.35856	0.019477	0.301745
	0.166765	2.355341	0.019641	0.302398
ZFAND2A	0.18176	2.358301	0.01949	0.301759
PEAR1;MEF2D;SYT11;SH2D2A;NES;HDGF;ARHGEF2;NTRK1;RAB25;CCT3	-0.39666	-2.35741	0.019535	0.301999
EGFL7;SETP5;TMEM141;ENSG00000227512	0.215626	2.361486	0.019329	0.300983
	0.150147	2.356186	0.019598	0.302229
	-0.16429	-2.35856	0.019477	0.301745
PPP1R7;GPC1;ANKMY1;HDLBP	0.341996	2.356167	0.019599	0.302229
	-0.31048	-2.35595	0.01961	0.302265
CIAPIN1	0.209899	2.354188	0.0197	0.302759
	0.135393	2.354796	0.019669	0.302574
INTS3	0.144848	2.356276	0.019593	0.302229
	0.103835	2.357344	0.019539	0.302007
	-0.19956	-2.35625	0.019594	0.302229
	-0.17361	-2.36049	0.019379	0.301147
	-0.37834	-2.359	0.019455	0.301634
RFTN1;GALNT15;ANKRD28	0.353451	2.351563	0.019835	0.303384
	-0.17604	-2.35843	0.019484	0.301745
	-0.28305	-2.35589	0.019613	0.302276
ST3GAL2;NFAT5;COG4	-0.3252	-2.35438	0.01969	0.302672
GIMAP7;GIMAP6;GIMAP4;GIMAP8;GIMAP5;GIMAP2	-0.25126	-2.35915	0.019447	0.301574
	-0.26328	-2.35362	0.019729	0.302878
	0.278487	2.356747	0.019569	0.302172
	0.183078	2.360517	0.019378	0.301147
	0.235784	2.357515	0.01953	0.301986
	0.235759	2.356113	0.019602	0.302229
	-0.13438	-2.35927	0.019441	0.301529
	-0.27432	-2.36024	0.019392	0.301157
	0.121837	2.355259	0.019645	0.302438
ITGAE;ASPA;GSG2	-0.25303	-2.35869	0.01947	0.30171
	0.212156	2.357126	0.01955	0.302055
	0.262563	2.36022	0.019393	0.301157
	-0.45484	-2.36023	0.019392	0.301157

TSPAN4;ATHL1	0.277498	2.359512	0.019429	0.301398
	-0.18457	-2.35575	0.01962	0.302291
	-0.23907	-2.36032	0.019388	0.301147
KCNA2;KCNA3	0.228818	2.360639	0.019372	0.301147
	-0.25406	-2.35854	0.019478	0.301745
	0.330109	2.355621	0.019627	0.302358
CDCA4;ADSSL1;C14orf79;JAG2	-0.4704	-2.3523	0.019797	0.303185
CLUAP1;IL32;ENSG00000272079;CDIP1;GLIS2;CCDC64B;CLDN9				
;ENSG00000263011;CORO7;ENSG00000205890	-0.42641	-2.35801	0.019505	0.301821
	0.236408	2.356024	0.019606	0.302257
ENSG00000268457;HCK;C20orf112	-0.21919	-2.35408	0.019705	0.302808
	-0.18353	-2.35735	0.019538	0.302007
	-0.26853	-2.35824	0.019493	0.301759
ADCY3	0.255095	2.352015	0.019812	0.303242
	-0.17431	-2.35994	0.019407	0.301213
FXYD3;CLIP3;KIAA0355;ZNF792	-0.2129	-2.34657	0.020094	0.304629
SLC5A4;CPSF1P1;TIMP3	0.242424	2.358055	0.019503	0.301808
	-0.18483	-2.35621	0.019597	0.302229
	-0.19511	-2.35825	0.019493	0.301759
	0.181699	2.360364	0.019386	0.301147
KMT2E	0.288713	2.35671	0.019571	0.302172
	0.328625	2.357625	0.019525	0.301961
	-0.19961	-2.35879	0.019465	0.301692
	0.23626	2.358173	0.019497	0.301759
	0.25914	2.35494	0.019662	0.302563
	-0.3126	-2.35404	0.019708	0.302829
FAM83H-AS1;MIR4664	-0.36362	-2.35905	0.019452	0.301615
LPXN;FAM111B;MPEG1;MS4A14	-0.29442	-2.3585	0.01948	0.301745
	0.261309	2.355791	0.019618	0.302291
	0.174152	2.355669	0.019624	0.302333
	0.140572	2.356099	0.019602	0.302229
	0.259769	2.355985	0.019608	0.302259
	0.309996	2.355384	0.019639	0.302398
IQCE;PSMG3-AS1;GNA12;ELFN1	-0.21246	-2.35269	0.019777	0.303115
ENSG00000005189	-0.25918	-2.35636	0.019589	0.302229
	-0.12933	-2.35614	0.0196	0.302229
	-0.19376	-2.35499	0.019659	0.302563
	0.156726	2.355177	0.019649	0.30247
	-0.30719	-2.3552	0.019648	0.302459
	-0.25256	-2.35555	0.01963	0.302358
	0.336772	2.357609	0.019525	0.301963
	-0.24951	-2.35906	0.019451	0.301615
ATP1B1;DPT;GPR161;NME7;CCDC181;TBX19	-0.24776	-2.35398	0.019711	0.302829
	-0.21353	-2.35313	0.019754	0.303033
	0.353573	2.357775	0.019517	0.301887
	0.231835	2.355566	0.01963	0.302358
CLDN8;TIAM1	0.252097	2.352618	0.019781	0.303138

	0.31958	2.358249	0.019493	0.301759
SEC14L5	0.316624	2.358352	0.019488	0.301759
	0.223268	2.358459	0.019482	0.301745
	-0.19692	-2.35585	0.019615	0.302291
	-0.33514	-2.35823	0.019494	0.301759
	-0.24061	-2.35708	0.019552	0.302055
	0.197069	2.357978	0.019507	0.301825
	0.290296	2.356359	0.019589	0.302229
IFT140;BAIAP3;HN1L;HAGH;RNPS1;ENSG00000272079;UBE2I;PDPK1;CLDN9;HS3ST6;HCFC1R1;CACNA1H;GFER;MSRB1;SRRM2-AS1;FLYWCH1	-0.23451	-2.35482	0.019668	0.302574
	-0.17722	-2.35386	0.019717	0.302834
DKK3;MICALCL	0.276535	2.354873	0.019665	0.302563
	0.329573	2.357133	0.01955	0.302055
	-0.22562	-2.35816	0.019497	0.301759
ECHS1	0.239467	2.358378	0.019486	0.301759
	0.280639	2.356568	0.019578	0.302204
ENSG00000129951;GRIN3B;GPX4;PPAP2C;MIER2;ARID3A;SHC2;FSTL3;PALM	-0.29128	-2.35654	0.01958	0.302206
	0.304782	2.357391	0.019536	0.302003
	0.161885	2.357222	0.019545	0.302038
	-0.2528	-2.35995	0.019407	0.301213
	-0.21898	-2.35436	0.019691	0.302672
	-0.24826	-2.35224	0.0198	0.303189
	0.18548	2.357076	0.019552	0.302055
	-0.46354	-2.35363	0.019729	0.302878
	0.143855	2.354455	0.019686	0.302672
	-0.16133	-2.3517	0.019828	0.303357
	-0.25763	-2.35678	0.019567	0.302172
CYTH3	-0.2954	-2.35452	0.019683	0.302672
	0.260549	2.353906	0.019715	0.302829
	0.358095	2.356346	0.01959	0.302229
RCC1	-0.30821	-2.35888	0.019461	0.301664
	-0.27126	-2.35813	0.019499	0.301769
ENSG00000264954;C17orf72	0.234323	2.356643	0.019575	0.302172
ENSG00000267121;FMNL1;MAP3K14;GJC1	-0.25618	-2.35897	0.019456	0.301639
	0.693827	2.35624	0.019595	0.302229
ENSG00000227403	0.298165	2.358924	0.019459	0.301639
	0.096937	2.354445	0.019687	0.302672
	0.201358	2.355878	0.019614	0.302278
	0.279811	2.357166	0.019548	0.302055
	0.303022	2.356435	0.019585	0.302229
	-0.18923	-2.35436	0.019691	0.302672
	0.245401	2.354636	0.019677	0.302658
	0.182267	2.351639	0.019831	0.303357
LINC00482;ENDOV	0.214498	2.356455	0.019584	0.302229
	0.441773	2.358028	0.019504	0.301819

SMIM20;SOD3	0.204162	2.357229	0.019545	0.302038
	0.204207	2.352322	0.019796	0.303176
	0.187566	2.353953	0.019712	0.302829
FLT1;POMP	-0.298	-2.35622	0.019596	0.302229
	-0.36642	-2.35463	0.019678	0.302658
HSP90AB1;TCTE1	0.215511	2.355762	0.01962	0.302291
AIF1L;ABL1;ASS1;PPAPDC3	-0.33251	-2.35693	0.01956	0.302139
	-0.37479	-2.35398	0.019711	0.302829
PIK3IP1;RNF185;PATZ1	0.14487	2.353884	0.019716	0.302829
	-0.18188	-2.35594	0.019611	0.302265
	-0.2581	-2.35664	0.019575	0.302172
	0.558521	2.360417	0.019383	0.301147
	-0.2673	-2.35666	0.019574	0.302172
BAIAP2;NPLOC4	-0.28359	-2.35745	0.019533	0.301987
	-0.23005	-2.35723	0.019544	0.302038
	-0.15755	-2.35549	0.019634	0.302358
	-0.23596	-2.35339	0.019741	0.302936
PPP1R18;TNXB;CLIC1;DDR1;SLC44A4;C4A;RANP1;NELFE;MDC1	-0.40671	-2.35721	0.019546	0.30204
ASAP2;ITGB1BP1;KIDINS220;ADAM17	-0.27179	-2.35674	0.01957	0.302172
	-0.24287	-2.35379	0.019721	0.302845
CAPN2	-0.31614	-2.3535	0.019736	0.302923
DNAJC16;HSPB7;FBLIM1;KAZN;EFHD2;FHAD1;ENSG00000237938	0.348157	2.350545	0.019888	0.303646
DOC2B;SCARF1;FAM101B	0.264825	2.353639	0.019728	0.302878
	0.182793	2.355467	0.019635	0.302362
	-0.19667	-2.35523	0.019647	0.302449
	0.152199	2.357778	0.019517	0.301887
OR2I1P	-0.12707	-2.34929	0.019953	0.303897
ENSG00000265136;WDR45B;BAIAP2	-0.25174	-2.35848	0.019481	0.301745
SPIRE2;SPATA33;ENSG00000260259	-0.27597	-2.34927	0.019954	0.303897
	0.195969	2.35226	0.019799	0.303189
IGFBP4;FKBP10;ENSG00000234477	0.254331	2.355492	0.019633	0.302358
	0.224513	2.355347	0.019641	0.302398
	-0.21242	-2.35251	0.019786	0.303138
	0.205553	2.350412	0.019895	0.303657
HLA-K;HCG4P7;HLA-H	-0.21314	-2.35137	0.019845	0.303447
ENSG00000259768;ENSG00000259901;ENSG00000261008	0.353537	2.357858	0.019513	0.301885
COL6A1;COL6A2;ADARB1;COL18A1;ITGB2;ENSG00000268805;LRRC3DN	-0.39819	-2.35748	0.019532	0.301986
	0.29943	2.353403	0.01974	0.302936
	0.096164	2.351219	0.019853	0.30346
CDIP1	-0.53064	-2.35582	0.019616	0.302291
	-0.26978	-2.3569	0.019562	0.302141
	0.282587	2.352091	0.019808	0.303228
	0.224654	2.353552	0.019733	0.302897
TCF7	-0.36608	-2.35243	0.01979	0.303159

	0.170391	2.352028	0.019811	0.303242
	0.167765	2.35655	0.019579	0.302206
	-0.25008	-2.35611	0.019602	0.302229
	0.355578	2.354329	0.019693	0.302672
	-0.18308	-2.35321	0.01975	0.302988
WBSCR22;ABHD11;ELN;CLDN4;ENSG00000233369;LINC00035;CLIP2;CLDN3;TBL2	-0.30819	-2.35481	0.019668	0.302574
	-0.30991	-2.35618	0.019598	0.302229
	0.161163	2.358934	0.019458	0.301639
ALG5	0.339214	2.355021	0.019657	0.302561
	0.207077	2.356295	0.019592	0.302229
	0.148126	2.348395	0.019999	0.304094
	-0.26669	-2.35848	0.019481	0.301745
	-0.1994	-2.35382	0.019719	0.302845
	0.211285	2.354766	0.01967	0.302587
TCTN2	0.170074	2.354934	0.019662	0.302563
	0.23086	2.35622	0.019596	0.302229
HCP5;HLA-B;MICB;HSPA1A;HLA-C;VARS2;GPANK1;HLA-DRA	-0.26401	-2.35795	0.019508	0.301835
ACAP1;ELP5;KCTD11;PIK3R5	-0.29139	-2.35742	0.019535	0.301999
	0.184201	2.350522	0.019889	0.303646
	-0.2699	-2.35646	0.019584	0.302229
	0.231677	2.354873	0.019665	0.302563
C16orf71;ENSG00000262370;CLUAP1;SMIM22;CDIP1;C16orf89	-0.3556	-2.35552	0.019632	0.302358
	-0.24417	-2.35648	0.019583	0.302229
	0.261546	2.347682	0.020036	0.304313
COBL	0.308464	2.357927	0.019509	0.301844
	0.20459	2.353358	0.019743	0.302936
DUSP4	-0.25997	-2.34697	0.020073	0.304489
	0.304769	2.35284	0.019769	0.303093
	0.27814	2.353719	0.019724	0.302864
RAB8B	-0.25384	-2.34744	0.020049	0.304412
CD22	0.323543	2.356737	0.01957	0.302172
	-0.19693	-2.35087	0.019871	0.303587
	-0.15566	-2.35579	0.019618	0.302291
PPP1R3B;TNKS;ENSG00000233609	-0.20089	-2.35106	0.019861	0.303538
	-0.2422	-2.35224	0.0198	0.303189
ECSCR;IK;CYSTM1;SPATA24;SLC23A1;PCDHAC1;ZMAT2;PCDHB1;NDUFA2;DNAJC18;CXXC5;PCDHB18;PCDHB12;PCDHB19P;PCDHB7;PAIP2;PCDHB3	-0.26145	-2.35495	0.019661	0.302563
NEK10	0.173614	2.352838	0.019769	0.303093
IRX2	0.313666	2.355557	0.01963	0.302358
	0.172682	2.351152	0.019856	0.303481
	0.314576	2.352497	0.019787	0.303138
AGPAT5;MCPH1	-0.26147	-2.35065	0.019882	0.303646
NID1	0.221986	2.349242	0.019955	0.303897

	-0.27317	-2.35029	0.019901	0.303657
	0.222709	2.353329	0.019744	0.302936
	-0.19722	-2.3524	0.019792	0.303159
	-0.17826	-2.35293	0.019765	0.303093
	0.17644	2.356418	0.019586	0.302229
	0.162803	2.354706	0.019674	0.302623
	-0.24397	-2.35447	0.019685	0.302672
	0.212707	2.346471	0.020099	0.304637
ENSG00000227076;PTPRE;ADAM12	-0.26824	-2.35433	0.019693	0.302672
	0.228653	2.352996	0.019761	0.303079
	0.253328	2.355342	0.019641	0.302398
ZBTB40	-0.26204	-2.35711	0.019551	0.302055
	0.26857	2.356763	0.019568	0.302172
	-0.22796	-2.34781	0.02003	0.304259
	0.445926	2.354507	0.019684	0.302672
	0.221936	2.354511	0.019684	0.302672
	0.274292	2.352827	0.01977	0.303093
	0.233658	2.356646	0.019574	0.302172
	0.167375	2.348384	0.02	0.304094
	0.238849	2.35438	0.01969	0.302672
	-0.30774	-2.35436	0.019692	0.302672
	0.262669	2.352778	0.019773	0.303096
	-0.2639	-2.35306	0.019758	0.303063
	0.298252	2.352813	0.019771	0.303093
	0.25646	2.353566	0.019732	0.302897
	-0.23721	-2.35768	0.019522	0.301927
	0.306391	2.353884	0.019716	0.302829
PDLIM4;P4HA2	-0.28977	-2.35396	0.019712	0.302829
	-0.33345	-2.35432	0.019693	0.302672
	0.26117	2.353037	0.019759	0.303069
	0.284254	2.354504	0.019684	0.302672
ANK3;SLC16A9;ENSG00000232682;FAM133CP	-0.41062	-2.3549	0.019663	0.302563
ENSG00000257556	-0.28828	-2.35462	0.019678	0.302658
CPNE5;FGD2;PI16;CDKN1A	-0.33955	-2.35667	0.019573	0.302172
	0.227268	2.354387	0.01969	0.302672
	0.236616	2.355911	0.019612	0.302274
	-0.23472	-2.35084	0.019872	0.303587
	0.282595	2.35579	0.019618	0.302291
	0.312259	2.350198	0.019906	0.303657
PITX1	0.354962	2.356015	0.019607	0.302257
SNAPC5	0.292705	2.344553	0.0202	0.305042
RBM23;TRAC	0.351885	2.356685	0.019572	0.302172
	-0.27749	-2.3498	0.019926	0.303779
	-0.24311	-2.34619	0.020114	0.30471
	-0.24988	-2.3538	0.01972	0.302845
MBP	0.215997	2.352031	0.019811	0.303242
DMKN	-0.21931	-2.35084	0.019873	0.303587

	-0.16934	-2.34968	0.019932	0.303819
	0.197773	2.353879	0.019716	0.302829
TLCD1;TRAF4	0.245661	2.354892	0.019664	0.302563
ENSG00000271811;DNM3;DNM3OS	0.215222	2.351836	0.019821	0.303309
COL18A1-AS2;ADARB1;COL18A1;COL18A1-AS1;ENSG00000267857;ENSG00000268805	0.280191	2.354403	0.019689	0.302672
	-0.1648	-2.35269	0.019777	0.303115
	0.185488	2.354416	0.019688	0.302672
	-0.14556	-2.35036	0.019897	0.303657
	-0.18886	-2.35027	0.019902	0.303657
ZNF792	-0.2176	-2.35167	0.01983	0.303357
	0.311099	2.356093	0.019603	0.302229
ROBO4	-0.21598	-2.35625	0.019594	0.302229
	0.189764	2.35438	0.01969	0.302672
	-0.21733	-2.35166	0.01983	0.303357
	-0.30375	-2.35341	0.01974	0.302936
	0.241485	2.352242	0.0198	0.303189
	-0.21641	-2.35416	0.019702	0.302774
	0.215317	2.353893	0.019715	0.302829
	0.157385	2.353446	0.019738	0.302931
	-0.22485	-2.35176	0.019825	0.303338
	0.196344	2.345271	0.020162	0.304929
PTGDS	-0.15175	-2.35102	0.019863	0.303538
HK2;TACR1	0.322325	2.352388	0.019793	0.303159
	0.366919	2.353931	0.019713	0.302829
	-0.18533	-2.34939	0.019947	0.303891
	0.284359	2.352428	0.019791	0.303159
	0.19796	2.351043	0.019862	0.303538
	-0.19862	-2.35516	0.01965	0.302475
TTC34;TP73	0.37386	2.352097	0.019808	0.303228
	0.26196	2.352752	0.019774	0.303096
	0.301906	2.348033	0.020018	0.304248
LCMT2;SERF2;FRMD5	-0.20962	-2.35001	0.019916	0.303702
	0.258407	2.349228	0.019956	0.303897
	-0.37606	-2.35132	0.019848	0.303447
	0.268867	2.353558	0.019732	0.302897
S100P;WFS1	-0.43478	-2.35058	0.019886	0.303646
ICAM1	-0.22242	-2.354	0.01971	0.302829
SLC16A1	0.175943	2.347087	0.020067	0.304489
ZKSCAN1;COPS6;AGFG2	-0.24523	-2.35549	0.019634	0.302358
KIAA0125;IGHG2;IGHJ3P;IGHG1;IGHM;IGHA1;IGHG3;IGHA2;IGHGP;IGHG4;AHNAK2;GPR132;KIF26A;C14orf79;PLD4;ADSSL1;CEP170B	-0.30872	-2.35062	0.019884	0.303646
GPR132;AHNAK2;C14orf2;INF2;KIF26A;EIF5	-0.26365	-2.35308	0.019757	0.303059
	0.252542	2.351991	0.019813	0.303242
CBX2;TIMP2;C1QTNF1;CCDC40;CBX8;ENSG00000178404	-0.2207	-2.34873	0.019982	0.304056
THBS2;SMOC2;TCTE3	-0.39575	-2.35626	0.019594	0.302229

	0.28122	2.351706	0.019828	0.303357
PDCD2	-0.26684	-2.35201	0.019812	0.303242
VAMP8;ATOH8;MRPL35;TCF7L1;SUCLG1	-0.30383	-2.35257	0.019783	0.303138
SUPT7L;IFT172;SLC4A1AP;EMILIN1;AGBL5;ENSG00000229951; MAPRE3;KHK;KRTCAP3	-0.27973	-2.35283	0.01977	0.303093
TSPAN18;HARBI1;MAPK8IP1;PHF21A	-0.19791	-2.35103	0.019863	0.303538
FKBP4	-0.21529	-2.35302	0.01976	0.303069
	-0.20998	-2.35199	0.019813	0.303242
	0.228002	2.355559	0.01963	0.302358
TMOD1;GALNT12;TDRD7;TRIM14;NANS;COL15A1;CORO2A	-0.29097	-2.35492	0.019663	0.302563
	-0.34139	-2.35049	0.01989	0.303649
	0.202011	2.352498	0.019787	0.303138
	-0.27758	-2.34504	0.020174	0.304982
SDK2;TTYH2	-0.29674	-2.34785	0.020027	0.304259
PHLPP1;SERPINB11;BCL2;SERPINB5	-0.34887	-2.35369	0.019725	0.302866
SEMA7A;PML	-0.31796	-2.35567	0.019624	0.302333
	-0.2971	-2.35411	0.019704	0.302798
EMCN	-0.3483	-2.35371	0.019725	0.302864
	0.308657	2.348943	0.019971	0.303989
	0.183083	2.354552	0.019681	0.302672
	0.260317	2.353369	0.019742	0.302936
	-0.24915	-2.35184	0.019821	0.303309
DHRS7B;MEIS3P2;AKAP10	-0.45126	-2.34342	0.020259	0.305313
	0.153129	2.34854	0.019992	0.304059
	-0.25765	-2.35211	0.019807	0.303228
	0.36484	2.353453	0.019738	0.302931
	0.303605	2.35334	0.019744	0.302936
NFKBIE;TCTE1;ENSG00000272442	-0.26643	-2.34942	0.019946	0.303891
	0.120852	2.349217	0.019956	0.303897
	-0.1683	-2.35147	0.01984	0.303396
	-0.18545	-2.34887	0.019974	0.304019
	0.148071	2.351519	0.019837	0.303396
HTRA3;AFAP1;ABLIM2	0.229897	2.351254	0.019851	0.303454
	-0.39048	-2.34572	0.020138	0.304823
	-0.20349	-2.35249	0.019787	0.303138
	0.277498	2.3488	0.019978	0.304045
	0.241767	2.352923	0.019765	0.303093
GRIA1	-0.24599	-2.35401	0.019709	0.302829
	-0.15224	-2.35099	0.019865	0.303556
	-0.40262	-2.35367	0.019727	0.302872
	0.161596	2.352834	0.01977	0.303093
	0.273011	2.35136	0.019846	0.303447
GRID1	-0.44434	-2.35157	0.019835	0.303384
	0.224764	2.352104	0.019807	0.303228
FLG2	0.298007	2.350668	0.019881	0.303645
	0.225161	2.351281	0.01985	0.303454

	0.153028	2.350459	0.019892	0.303649
	0.319009	2.348569	0.01999	0.304059
BDKRB2	-0.32636	-2.3533	0.019746	0.302937
	0.287091	2.355521	0.019632	0.302358
	0.184304	2.350703	0.01988	0.30364
	-0.18428	-2.34803	0.020018	0.304248
	0.223703	2.353712	0.019724	0.302864
	-0.26454	-2.35028	0.019901	0.303657
	0.208692	2.350011	0.019915	0.303702
CCDC104;CCDC88A;SMEK2;RPL23AP32	-0.30001	-2.34783	0.020029	0.304259
	0.23993	2.346994	0.020072	0.304489
RNF145;ATP10B;C1QTNF2;UBLCP1;PTTG1	-0.27086	-2.3503	0.0199	0.303657
	-0.25461	-2.35312	0.019755	0.303033
AKAP2	-0.28462	-2.35334	0.019744	0.302936
SKI;MEGF6;CEP104;LINC01134;TP73-AS1	0.368458	2.349467	0.019944	0.303882
	-0.31292	-2.34899	0.019968	0.303968
	-0.20895	-2.35191	0.019817	0.303293
	0.18586	2.344287	0.020214	0.305127
	-0.18373	-2.35055	0.019888	0.303646
	0.238526	2.351619	0.019832	0.303361
	0.22878	2.349515	0.019941	0.303873
	-0.27869	-2.35135	0.019846	0.303447
	-0.16817	-2.34544	0.020153	0.304861
UBXN4;CXCR4	-0.34852	-2.34832	0.020003	0.304121
	0.301169	2.350795	0.019875	0.3036
	0.151186	2.343326	0.020264	0.305313
	0.231093	2.350073	0.019912	0.303671
	0.233011	2.351811	0.019822	0.303318
	0.189704	2.354312	0.019694	0.302672
	-0.26905	-2.34765	0.020038	0.304313
KCNE4;DOCK10;FAM124B	-0.41903	-2.34656	0.020095	0.304629
	0.237794	2.352614	0.019781	0.303138
	0.329038	2.352328	0.019796	0.303176
EEF1B2	0.27538	2.351189	0.019854	0.303462
WDR45B;ENSG00000184551	-0.40537	-2.34751	0.020045	0.304389
	0.312815	2.35081	0.019874	0.303598
	0.197215	2.352898	0.019766	0.303093
HLA-DMB	0.236411	2.351491	0.019839	0.303396
	0.138682	2.350084	0.019912	0.303671
	0.241214	2.352831	0.01977	0.303093
	0.297049	2.347836	0.020028	0.304259
	0.274876	2.351237	0.019852	0.303457
	0.358569	2.351472	0.01984	0.303396
ANXA4;ADD2;AAK1;TGFA	-0.24003	-2.34704	0.02007	0.304489
	-0.17031	-2.35092	0.019868	0.30358
	-0.18099	-2.34986	0.019923	0.303765
	0.149916	2.345741	0.020138	0.304823

ANKS1B	-0.29788	-2.35054	0.019888	0.303646
	-0.39943	-2.35238	0.019793	0.303159
	-0.23548	-2.35126	0.019851	0.303454
	0.353379	2.352368	0.019794	0.303161
	0.301543	2.351486	0.019839	0.303396
	-0.32679	-2.35095	0.019867	0.303576
	0.3678	2.353544	0.019733	0.302897
	0.219124	2.350444	0.019893	0.303649
GPR124;FGFR1;TACC1;DDHD2;RAB11FIP1;PPAPDC1B;ERLIN2	-0.26005	-2.34947	0.019943	0.303882
	-0.25843	-2.35067	0.019881	0.303645
	0.215077	2.345938	0.020127	0.304755
	0.285251	2.348434	0.019997	0.304089
TSTA3;GPIHBP1	0.190803	2.350451	0.019893	0.303649
TULP3;FKBP4;PARP11	0.348391	2.346829	0.020081	0.304525
	0.243031	2.352526	0.019785	0.303138
	-0.25924	-2.34857	0.01999	0.304059
RAP1GAP2;ALOX15;ZZEF1;GGT6;SHPK;ASPA	-0.30059	-2.35088	0.019871	0.303587
	0.359027	2.34273	0.020296	0.305482
	-0.30127	-2.34686	0.020079	0.304515
	0.263713	2.35274	0.019774	0.303096
	-0.2162	-2.35013	0.019909	0.303657
NFX1;ANKRD18B;CYP4F26P;SNX18P7;BAG1;DDX58;AQP7;APTX ;ANXA2P2;ACO1	0.304781	2.347263	0.020058	0.304475
FAM101B	-0.33692	-2.35137	0.019845	0.303447
ZNF641	0.162423	2.352595	0.019782	0.303138
	0.178924	2.345606	0.020145	0.304823
	0.236518	2.352947	0.019764	0.303093
PTPN7;KIF21B	0.270519	2.350524	0.019889	0.303646
	-0.26758	-2.34984	0.019924	0.303771
	-0.20913	-2.3494	0.019947	0.303891
	-0.28119	-2.3503	0.0199	0.303657
HLA-C	-0.29261	-2.35132	0.019848	0.303447
TNRC6C;ST6GALNAC1	-0.30114	-2.35045	0.019893	0.303649
	-0.28593	-2.35218	0.019803	0.303222
SLAMF6;CD84	-0.33644	-2.34491	0.020181	0.304986
DUSP10	0.301705	2.349157	0.01996	0.303907
	0.162155	2.342516	0.020307	0.305497
ENSG00000234478;EPHX1;ENAH;PYCR2;ITPKB;SRP9;C1orf95	-0.37294	-2.34751	0.020045	0.304389
	-0.32826	-2.34908	0.019963	0.30393
GPSM3;LST1;AIF1;TNXB	-0.18151	-2.349	0.019968	0.303968
	-0.24134	-2.35176	0.019825	0.303338
	-0.19344	-2.3503	0.0199	0.303657
	0.268506	2.351883	0.019819	0.303305
	-0.17108	-2.34578	0.020136	0.304823
	-0.20288	-2.3498	0.019926	0.303779

	0.225584	2.347979	0.020021	0.304256
LCK;MTMR9LP;DCDC2B	0.312164	2.351857	0.01982	0.303309
	-0.16511	-2.35017	0.019907	0.303657
ENSG00000261924;ENDOV;EIF4A3;SGSH	0.199693	2.34644	0.020101	0.304637
	0.244794	2.352782	0.019772	0.303096
PSMA7	0.202706	2.349235	0.019956	0.303897
SNHG3;SNORA73B	-0.25901	-2.35085	0.019872	0.303587
	0.24749	2.345683	0.020141	0.304823
MAP3K13;LIPH;IGF2BP2;C3orf65	0.345913	2.349195	0.019958	0.303897
	0.172963	2.351258	0.019851	0.303454
RASSF1;UBA7	0.355291	2.346791	0.020083	0.304537
ENSG00000227038;SNORA14A;POR;STYXL1	-0.2397	-2.35017	0.019907	0.303657
	-0.2333	-2.34622	0.020113	0.304708
	-0.31797	-2.34565	0.020142	0.304823
	-0.22397	-2.34787	0.020026	0.304259
FAM184A;MCM9	0.260268	2.352747	0.019774	0.303096
	0.293833	2.351199	0.019854	0.303462
	0.367614	2.35077	0.019876	0.303608
EYA4	0.213559	2.34708	0.020068	0.304489
	-0.30324	-2.35076	0.019877	0.303608
	-0.28119	-2.34701	0.020071	0.304489
	-0.19213	-2.34965	0.019934	0.303829
	0.268967	2.352117	0.019807	0.303228
	0.266578	2.349203	0.019957	0.303897
GPR55	-0.29413	-2.35214	0.019805	0.303228
	-0.29182	-2.34793	0.020023	0.304257
SSU72;MXRA8;NADK	0.19721	2.349715	0.019931	0.303813
	0.168564	2.347333	0.020054	0.30445
	0.223112	2.344108	0.020223	0.305127
PLCG2;ENSG00000260682;CDYL2;C16orf46;DYNLRB2;CMIP	-0.26028	-2.34954	0.01994	0.303873
	0.273786	2.347308	0.020056	0.30446
	0.306544	2.350309	0.0199	0.303657
	-0.335	-2.35061	0.019884	0.303646
	0.126439	2.349592	0.019937	0.303867
	-0.18025	-2.35013	0.019909	0.303657
	-0.14926	-2.34425	0.020216	0.305127
MSC	-0.35099	-2.34856	0.019991	0.304059
	-0.28058	-2.34712	0.020066	0.304489
WDR45B;PCYT2;NOTUM;C17orf62;MAFG-AS1;LRRC45;ENSG00000265136	-0.23378	-2.34482	0.020186	0.305016
	0.177205	2.35015	0.019908	0.303657
	-0.36251	-2.3524	0.019792	0.303159
	0.199826	2.350929	0.019868	0.30358
FKBP8	0.146053	2.353473	0.019737	0.302931
TIE1	0.275411	2.344485	0.020203	0.305063
	0.304186	2.348152	0.020012	0.304219

	0.177431	2.34991	0.019921	0.303756
	-0.26652	-2.35169	0.019829	0.303357
	-0.28583	-2.34483	0.020185	0.305016
	-0.3371	-2.35165	0.019831	0.303357
	0.312875	2.350574	0.019886	0.303646
	0.324245	2.347117	0.020066	0.304489
	0.285997	2.349361	0.019949	0.303897
	0.236563	2.347204	0.020061	0.304486
	-0.27305	-2.3501	0.019911	0.303671
	0.202651	2.350291	0.019901	0.303657
	0.122507	2.346069	0.02012	0.304727
ENSG00000253773	-0.19922	-2.34814	0.020013	0.304219
SPATA33;GAS8;ENSG00000260259;GALNS;SPIRE2;C16orf3;URAHP;FANCA	-0.47303	-2.34976	0.019928	0.303796
	0.148462	2.347835	0.020028	0.304259
	0.229051	2.350208	0.019905	0.303657
	-0.37766	-2.35014	0.019909	0.303657
	-0.24171	-2.34926	0.019954	0.303897
	-0.3088	-2.34975	0.019929	0.303797
	0.289687	2.347174	0.020063	0.304486
	-0.19969	-2.34608	0.02012	0.304727
	0.184203	2.345268	0.020162	0.304929
	-0.35715	-2.34986	0.019923	0.303765
	-0.34353	-2.33979	0.020451	0.306367
	0.307186	2.348652	0.019986	0.304059
	-0.21263	-2.3457	0.020139	0.304823
	0.2234	2.346611	0.020092	0.304622
IRF4	0.320783	2.351466	0.01984	0.303396
	-0.26071	-2.34785	0.020028	0.304259
	-0.21245	-2.34622	0.020112	0.304708
	0.257133	2.349896	0.019921	0.303756
	-0.24394	-2.33674	0.020613	0.307222
IRX2;MRPL36;NDUFS6	-0.32552	-2.34691	0.020076	0.304497
PCDH12;PCDHGC5;SPRY4;PCDHGA12;PCDHGA9;PCDHGB8P;PCDHB19P;PCDHB9;PCDHGA10;PCDHB6;ARAP3	-0.24392	-2.34886	0.019975	0.304019
	-0.25303	-2.34991	0.019921	0.303756
YKT6	-0.17269	-2.34737	0.020053	0.304432
	-0.35017	-2.34909	0.019963	0.30393
PRR15L	-0.29202	-2.34502	0.020175	0.304982
FGFR4	-0.1939	-2.34968	0.019933	0.303819
	-0.44992	-2.34952	0.019941	0.303873
	0.28658	2.348785	0.019979	0.304045
	-0.18308	-2.34898	0.019969	0.303968
PTP4A3	-0.35867	-2.34859	0.019989	0.304059
	0.351539	2.347792	0.020031	0.304261
PCDHB8	0.385547	2.341254	0.020373	0.305934
	0.194152	2.348721	0.019982	0.304056

GPR146;PSMG3;GPER1	0.258221	2.347216	0.020061	0.304486
WDR45B;MAFG-AS1;PCYT2	-0.16791	-2.34941	0.019947	0.303891
	0.183579	2.34838	0.02	0.304094
	0.140386	2.346546	0.020095	0.304629
	0.217591	2.346412	0.020102	0.304637
	0.122148	2.34594	0.020127	0.304755
	-0.23981	-2.3489	0.019973	0.30401
ENSG00000258337	0.244756	2.34829	0.020005	0.304137
	-0.29599	-2.3503	0.0199	0.303657
	0.355832	2.348776	0.019979	0.304045
	0.193607	2.346927	0.020076	0.304497
FOXF1	-0.45624	-2.34956	0.019939	0.303873
	0.328046	2.350517	0.019889	0.303646
	-0.37038	-2.34864	0.019986	0.304059
ITGAL;ZNF629	-0.22901	-2.35015	0.019908	0.303657
	-0.22685	-2.34617	0.020115	0.30471
	-0.22209	-2.34769	0.020036	0.304313
TMC8;TNRC6C;TMC6;ENSG00000178404;C1QTNF1;CBX2;USP36	-0.29196	-2.34872	0.019982	0.304056
SNORD3B-1;SNORD3B-2;SNORD3A;SNORD3D	-0.17926	-2.34579	0.020135	0.304823
	-0.27667	-2.34907	0.019964	0.30393
	-0.24827	-2.34847	0.019995	0.304084
VAMP8;TCF7L1;ATOH8;TCF7L1-IT1	-0.28837	-2.34857	0.01999	0.304059
	0.202747	2.344366	0.02021	0.305127
LINC01132	-0.36769	-2.35015	0.019908	0.303657
	-0.13529	-2.34205	0.020331	0.305631
IYD	-0.30054	-2.35016	0.019908	0.303657
	-0.17	-2.34703	0.02007	0.304489
ARHGEF10;MYOM2	0.275156	2.345167	0.020168	0.304966
	0.258853	2.345458	0.020152	0.304861
	0.15889	2.346167	0.020115	0.30471
	-0.20259	-2.34514	0.020169	0.304975
	0.245388	2.347175	0.020063	0.304486
	0.219235	2.346315	0.020108	0.304683
	0.215184	2.348805	0.019978	0.304045
	-0.34579	-2.34774	0.020033	0.304288
	0.391538	2.348114	0.020014	0.304219
	0.286314	2.34855	0.019991	0.304059
	0.274169	2.348481	0.019995	0.304084
SLC19A1;COL18A1	-0.29046	-2.34546	0.020152	0.304861
ENSG00000255621	0.2367	2.347891	0.020025	0.304259
	-0.20691	-2.34667	0.020089	0.304596
	-0.15524	-2.341	0.020387	0.306
ADAMTS7	0.189129	2.341173	0.020378	0.305936
	-0.21424	-2.34946	0.019944	0.303882
	-0.22999	-2.34375	0.020242	0.305249
	0.24429	2.345271	0.020162	0.304929

	0.206276	2.347533	0.020044	0.304389
	-0.21055	-2.34505	0.020173	0.304982
TSPAN4;MRPL23;C11orf21;TSPAN32;RASSF7;TALDO1	-0.36405	-2.34321	0.02027	0.305326
	0.250975	2.3448	0.020187	0.305019
	-0.20708	-2.34697	0.020073	0.304489
	0.298607	2.348631	0.019987	0.304059
	0.333625	2.345633	0.020143	0.304823
	-0.26431	-2.34709	0.020067	0.304489
	0.228985	2.344921	0.02018	0.304986
	-0.22606	-2.34741	0.020051	0.304426
	0.229621	2.345978	0.020125	0.304755
ABHD11;WBSCR22;ELN;SBDSP1	-0.23023	-2.34846	0.019996	0.304084
EHF;ENSG00000184566;CD59	-0.35363	-2.34744	0.020049	0.304412
	0.273733	2.346235	0.020112	0.304708
	0.323845	2.348453	0.019996	0.304084
	0.130614	2.346116	0.020118	0.304722
	0.207878	2.343569	0.020251	0.305305
	0.240025	2.344331	0.020211	0.305127
	0.257042	2.349307	0.019952	0.303897
	-0.22427	-2.34612	0.020118	0.304722
	0.3057	2.349277	0.019953	0.303897
ZNF423	-0.31738	-2.34474	0.02019	0.305019
	0.215542	2.34408	0.020225	0.305127
	-0.22395	-2.34535	0.020158	0.304919
	-0.38974	-2.34859	0.019989	0.304059
CDC37	-0.21443	-2.34837	0.02	0.304094
FOXA3;PPP1R13L;SLC1A5	-0.26065	-2.34331	0.020265	0.305313
	0.178273	2.34809	0.020015	0.304219
	-0.25449	-2.3464	0.020103	0.304637
	0.312451	2.344275	0.020214	0.305127
	0.278382	2.339681	0.020457	0.306367
	0.19658	2.349524	0.019941	0.303873
	-0.20226	-2.34828	0.020005	0.304137
	0.245917	2.344516	0.020202	0.30505
	0.263482	2.344713	0.020191	0.305019
TIE1;TMEM125;PTPRF;SLC6A9;EBNA1BP2;KDM4A;C1orf210;CC				
DC24;ERI3;WDR65;TMEM53;TCTEX1D4;HECTD3	-0.36141	-2.34797	0.020021	0.304256
	0.219717	2.348091	0.020015	0.304219
	0.322682	2.343994	0.020229	0.30514
	0.176992	2.349084	0.019963	0.30393
	0.256492	2.342709	0.020297	0.305482
	0.19	2.34404	0.020227	0.305139
	-0.18189	-2.34393	0.020233	0.305171
CUEDC1	-0.33892	-2.34801	0.020019	0.304252
	-0.17498	-2.34252	0.020307	0.305497
	0.415215	2.345652	0.020142	0.304823
	-0.33252	-2.34602	0.020123	0.304741

DHX32	-0.22149	-2.34208	0.02033	0.305631
	0.167749	2.343055	0.020278	0.305385
	-0.2018	-2.34622	0.020113	0.304708
	-0.24056	-2.34707	0.020068	0.304489
	0.167148	2.346419	0.020102	0.304637
	0.185115	2.346422	0.020102	0.304637
	-0.1627	-2.34595	0.020127	0.304755
	0.243386	2.347644	0.020038	0.304313
IL18R1	0.279359	2.343211	0.02027	0.305326
SLC17A9;STMN3;SOX18;RGS19;ZGPAT	0.33425	2.345321	0.02016	0.304919
FAM13A-AS1	0.338733	2.347261	0.020058	0.304475
	0.15743	2.345832	0.020133	0.304823
RANBP1;MRPL40;UFD1L;ENSG00000215493	0.163111	2.345444	0.020153	0.304861
LRGUK;AGBL3;ENSG00000231098;SLC35B4;EXOC4	-0.2126	-2.34415	0.020221	0.305127
	0.253626	2.346905	0.020077	0.304497
MRPL23	0.19042	2.33546	0.020681	0.307556
	-0.20275	-2.34383	0.020238	0.305214
CASZ1	0.156645	2.34034	0.020422	0.306284
	0.25077	2.345336	0.020159	0.304919
	0.30635	2.349187	0.019958	0.303897
PIEZO2	0.361734	2.345441	0.020153	0.304861
	-0.23166	-2.34325	0.020268	0.305326
	0.162814	2.343361	0.020262	0.305313
	0.238399	2.347022	0.020071	0.304489
	0.264291	2.347389	0.020051	0.304428
	0.218381	2.346054	0.020121	0.304728
SCARB1	0.325805	2.346459	0.0201	0.304637
	-0.21588	-2.34918	0.019958	0.303897
	0.186838	2.347239	0.020059	0.304482
TNFSF8	0.382436	2.34868	0.019984	0.304059
	-0.19041	-2.34859	0.019989	0.304059
MYEOV2;PPP1R7	0.315135	2.344141	0.020221	0.305127
	0.248236	2.344896	0.020182	0.304986
	-0.26901	-2.3481	0.020015	0.304219
ENSG00000271763	0.224479	2.342113	0.020328	0.305631
	0.293817	2.3443	0.020213	0.305127
MLLT4;SMOC2	-0.20208	-2.34795	0.020023	0.304257
	0.335851	2.345553	0.020147	0.304844
	0.232533	2.345615	0.020144	0.304823
	0.156932	2.344587	0.020198	0.305041
CYTH3;RSPH10B;FSCN1;RNF216;FOXK1	0.317446	2.343579	0.020251	0.305305
	0.246741	2.346533	0.020096	0.304629
	-0.21053	-2.3466	0.020093	0.304623
	-0.22463	-2.34641	0.020103	0.304637
	-0.15899	-2.34335	0.020263	0.305313
KHK;KRTCAP3	-0.44063	-2.34302	0.02028	0.305385
	-0.40725	-2.34679	0.020083	0.304537

	0.285224	2.344688	0.020193	0.305019
	0.264488	2.343385	0.020261	0.305313
LRP8	-0.32736	-2.34296	0.020284	0.305385
	0.229695	2.342404	0.020313	0.305523
SPIRE2;SPATA33;PIEZO1;ENSG00000260259;GALNS;CYBA	0.429738	2.340182	0.02043	0.306302
	-0.26525	-2.34663	0.020091	0.304616
	-0.25587	-2.34136	0.020368	0.305873
	0.237022	2.344134	0.020222	0.305127
ZFHX3	0.233556	2.345045	0.020174	0.304982
	0.320215	2.34492	0.02018	0.304986
BACH2;LYRM2	0.314139	2.344897	0.020182	0.304986
SPSB1;DFFA;CLSTN1;APITD1	-0.27456	-2.34402	0.020228	0.305139
ATR;PLS1	0.200202	2.340755	0.0204	0.30611
	0.244614	2.343499	0.020255	0.305313
TSPAN17	0.172816	2.346856	0.020079	0.304515
	0.160989	2.344567	0.020199	0.305041
INTS3	0.293022	2.345239	0.020164	0.304931
TULP3	0.227089	2.34465	0.020195	0.305019
	0.282325	2.347962	0.020022	0.304256
TRPM2;ICOSLG;COL18A1;ITGB2;LRRC3	-0.23806	-2.34781	0.02003	0.304259
PDGFRA;KIT	0.171027	2.339871	0.020447	0.306345
YLPM1;BATF	-0.19098	-2.34423	0.020217	0.305127
	0.531914	2.343851	0.020237	0.305212
CXCL12;C10orf10	0.217298	2.334394	0.020739	0.307783
	0.342467	2.339463	0.020468	0.306417
	0.21555	2.347438	0.020049	0.304412
UNC79;C14orf142;PPP4R4;FAM181A-AS1;SERPINA1;FAM181A;IFI27L2	-0.21766	-2.33703	0.020598	0.307112
ENSG00000261404	-0.17004	-2.34692	0.020076	0.304497
	0.201231	2.338237	0.020533	0.306817
BAI2	-0.20204	-2.34622	0.020113	0.304708
STMN3;SLC2A4RG;SLCO4A1;LAMA5;C20orf195	-0.218	-2.34765	0.020038	0.304313
SLC22A17;LTB4R;PSME2;PSME1;ADCY4	-0.36503	-2.3443	0.020213	0.305127
CTSW;SLC25A45	-0.30138	-2.34553	0.020149	0.304844
PPP1R18;NRM;TRIM31;TUBB;GNL1;DDR1	-0.24864	-2.34706	0.020069	0.304489
	0.279634	2.347165	0.020063	0.304486
	-0.19667	-2.34452	0.020202	0.30505
	-0.30779	-2.34462	0.020196	0.30503
	0.286552	2.345546	0.020148	0.304844
	0.291296	2.335815	0.020662	0.307447
	0.208604	2.344941	0.020179	0.304986
	-0.24298	-2.34324	0.020269	0.305326
	-0.30552	-2.34512	0.02017	0.304981
SIRT5;NOL7;PHACTR1	-0.40224	-2.34172	0.020349	0.30572
FKBP4;TULP3;CACNA1C-AS4	-0.2679	-2.34497	0.020178	0.304986

VRK3;RUVBL2;FUZ;MYH14;ENSG00000204666;CPT1C;ZNF473;FAM83E;PTOV1-AS1;MED25;ENSG00000269091;PRRG2;TEAD2;RCN3;JOSD2;RRAS	-0.24738	-2.34669	0.020088	0.304596
ENSG00000233178;TMEM252	-0.26802	-2.34501	0.020176	0.304982
	0.203661	2.344971	0.020178	0.304986
ALCAM	-0.34829	-2.3427	0.020297	0.305482
TMEM208;PSMB10;CBFB;FAM65A	-0.17539	-2.34208	0.02033	0.305631
MMRN2;MINPP1;SNCG	0.321959	2.344731	0.02019	0.305019
TMEM204;UNKL;ENSG00000260807;SOX8;HN1L;ZNF598	0.240714	2.343553	0.020252	0.305307
	0.124829	2.341094	0.020382	0.305965
RAPGEF4	-0.28345	-2.34554	0.020148	0.304844
USP36;TNRC6C;ENSG00000178404;C1QTNF1	0.276214	2.342396	0.020313	0.305523
	-0.22758	-2.34522	0.020165	0.304938
	0.292372	2.341503	0.02036	0.305808
GPR110;TNFRSF21;GPR116;GPR115;TDRD6	-0.35092	-2.33945	0.020469	0.306417
UBE2Q2P1	0.337773	2.342227	0.020322	0.305603
	0.22185	2.346349	0.020106	0.304667
	-0.26119	-2.34368	0.020245	0.305271
	-0.17719	-2.34647	0.0201	0.304637
	-0.19714	-2.34192	0.020338	0.305683
	-0.20497	-2.341	0.020387	0.306
	-0.2224	-2.336	0.020653	0.307408
DHRS3	-0.34136	-2.34675	0.020085	0.304557
	-0.28967	-2.3433	0.020266	0.305313
	0.243485	2.342541	0.020305	0.305497
	-0.29426	-2.33726	0.020585	0.307013
	0.236554	2.343724	0.020243	0.305257
HES6	-0.25211	-2.34482	0.020186	0.305016
CDH5;CMTM4;FAM96B;CES2;TMEM208;CBFB	-0.41112	-2.34233	0.020316	0.305545
	0.274514	2.346158	0.020116	0.30471
IFT57	0.289081	2.34335	0.020263	0.305313
	-0.30207	-2.34368	0.020246	0.305271
	0.360468	2.34501	0.020176	0.304982
TRIM69	0.178452	2.339977	0.020441	0.306324
ACP5;ZNF440;ZNF709;ZNF20	0.425331	2.344006	0.020228	0.30514
RASSF1	0.419702	2.345818	0.020134	0.304823
	-0.21766	-2.34335	0.020263	0.305313
	0.114614	2.337232	0.020587	0.307025
	-0.1533	-2.34409	0.020224	0.305127
MRGPRF	-0.25101	-2.34574	0.020138	0.304823
VOPP1;PSPH	0.355511	2.345618	0.020144	0.304823
ZNF57;MATK;TJP3;ANKRD24	-0.21832	-2.34413	0.020222	0.305127
	0.18406	2.337628	0.020566	0.306915
	0.231898	2.337614	0.020566	0.306915
	-0.34756	-2.34215	0.020326	0.305631
	-0.28511	-2.34303	0.02028	0.305385

	0.232255	2.343572	0.020251	0.305305
GCNT3;FAM81A;RPS3AP6;MYO1E;BNIP2	-0.33844	-2.3425	0.020308	0.305497
	-0.15195	-2.34465	0.020194	0.305019
	0.141673	2.343418	0.020259	0.305313
	-0.17317	-2.34303	0.020279	0.305385
	-0.58263	-2.33579	0.020664	0.307447
	-0.23866	-2.34561	0.020144	0.304823
	-0.2192	-2.34053	0.020411	0.30621
	0.277111	2.344117	0.020223	0.305127
	0.273636	2.342633	0.020301	0.305497
FAM180A;CALD1;TMEM140	-0.24936	-2.33826	0.020532	0.306817
	0.261052	2.341181	0.020377	0.305936
	-0.63476	-2.34509	0.020172	0.304982
	0.15977	2.343247	0.020268	0.305326
	-0.18363	-2.33999	0.02044	0.306324
	0.302426	2.343581	0.020251	0.305305
TMEM255B;GAS6;ADPRHL1;F10;TFDP1	-0.28297	-2.34052	0.020412	0.30621
SLFN12L;ENSG00000267074;ENSG00000255987;ENSG0000026				
7554	-0.2788	-2.34341	0.02026	0.305313
DOCK2;LCP2	0.338311	2.346086	0.020119	0.304727
	0.28281	2.344699	0.020192	0.305019
	0.401562	2.345757	0.020137	0.304823
	0.274682	2.344091	0.020224	0.305127
NKX6-1;CDS1	-0.28404	-2.34217	0.020325	0.305631
	0.260847	2.341972	0.020335	0.305666
C10orf128	0.383723	2.34422	0.020217	0.305127
GTF3A;FLT1	0.329166	2.343028	0.02028	0.305385
UHRF1	-0.17095	-2.34191	0.020339	0.305683
	0.227421	2.343202	0.020271	0.305326
	-0.30988	-2.34446	0.020204	0.305069
	0.242949	2.33957	0.020462	0.30639
	0.206618	2.343766	0.020241	0.305245
	0.162228	2.341155	0.020379	0.305936
ENSG00000234478;C1orf95;ITPKB;ACBD3	-0.25043	-2.34285	0.020289	0.305408
	0.252005	2.342442	0.020311	0.305512
SOX8	-0.17381	-2.34078	0.020398	0.30611
SPARCL1	0.370374	2.344576	0.020199	0.305041
NRROS;LRCH3;DLG1;KIAA0226;BDH1	-0.31322	-2.34244	0.020311	0.305512
	0.309513	2.345959	0.020126	0.304755
	0.111771	2.34294	0.020284	0.305385
	0.342846	2.34047	0.020415	0.306224
	-0.29952	-2.34297	0.020283	0.305385
	-0.21273	-2.341	0.020387	0.306
	0.195313	2.341511	0.02036	0.305808
HLA-DRA	0.302655	2.34525	0.020163	0.304931
	0.226654	2.342543	0.020305	0.305497
	0.228428	2.340553	0.02041	0.30621

	0.218992	2.33927	0.020478	0.306463
C6orf132	-0.28544	-2.34506	0.020173	0.304982
	0.127533	2.339056	0.02049	0.306574
	0.378227	2.344191	0.020219	0.305127
	0.229875	2.343806	0.020239	0.305224
ENSG00000244300;RPN1;GATA2;COPG1;ENSG00000273437	-0.30349	-2.33885	0.0205	0.306686
	0.24492	2.340981	0.020388	0.306
	-0.27674	-2.34403	0.020227	0.305139
SPESP1	-0.40968	-2.34333	0.020264	0.305313
	0.19638	2.338083	0.020541	0.306817
	0.218271	2.34107	0.020383	0.305973
	0.224604	2.341776	0.020346	0.305714
DENND6A;IL17RD;FLNB	-0.38276	-2.34211	0.020328	0.305631
	-0.27392	-2.3458	0.020135	0.304823
	-0.20426	-2.34026	0.020426	0.306302
	0.22697	2.344693	0.020192	0.305019
	0.20594	2.341495	0.020361	0.305808
KLF11	0.463358	2.344136	0.020222	0.305127
	0.222212	2.342328	0.020317	0.305545
	0.27219	2.344149	0.020221	0.305127
	0.186176	2.342687	0.020298	0.305482
	0.281984	2.342483	0.020309	0.305497
	-0.18957	-2.34469	0.020193	0.305019
	-0.23087	-2.33877	0.020505	0.306689
	-0.18905	-2.34366	0.020246	0.305273
TNXB;SLC44A4;DDAH2;NOTCH4	-0.29448	-2.33818	0.020536	0.306817
RAB7L1	-0.2744	-2.34225	0.020321	0.305599
	0.19307	2.34179	0.020345	0.305714
	0.187142	2.343849	0.020237	0.305212
	-0.15221	-2.33795	0.020549	0.306817
	0.184208	2.341877	0.02034	0.305688
	-0.37941	-2.33973	0.020454	0.306367
CLCN7	-0.12659	-2.33568	0.02067	0.307505
ENSG00000259575	0.266175	2.339962	0.020442	0.306324
PDCD6	0.203368	2.343529	0.020253	0.305313
GOLGA3	0.158092	2.342088	0.020329	0.305631
	0.176601	2.338741	0.020506	0.306689
	-0.1205	-2.33554	0.020677	0.307525
	0.224482	2.342487	0.020308	0.305497
PCDHB16	-0.53364	-2.33978	0.020452	0.306367
CNNM4	-0.15686	-2.33143	0.020898	0.308616
	0.209402	2.341152	0.020379	0.305936
	-0.26595	-2.34165	0.020352	0.305738
ENSG00000273230	0.202289	2.342812	0.020291	0.305431
	-0.19225	-2.34431	0.020213	0.305127
	-0.23563	-2.3434	0.02026	0.305313

	-0.2285	-2.34235	0.020316	0.305545
TFB2M	-0.19489	-2.34116	0.020378	0.305936
ANO2;ATN1;MRPL51;SCARNA10;VWF;LEPREL2;CD9;GNB3	-0.29256	-2.34394	0.020232	0.305169
	0.293962	2.339415	0.020471	0.306417
KCNA2;KCNA3;ENSG00000259834	-0.2034	-2.34468	0.020193	0.305019
TTC5;SALL2	-0.29595	-2.34114	0.020379	0.305936
	0.202365	2.339709	0.020455	0.306367
	0.481547	2.342952	0.020284	0.305385
	0.264104	2.343139	0.020274	0.305354
	0.47956	2.342631	0.020301	0.305497
ENSG00000250280	-0.33821	-2.33959	0.020462	0.306389
	0.231101	2.341726	0.020348	0.30572
	-0.28616	-2.343	0.020281	0.305385
MCAM;PHLDB1;CBL;C2CD2L;OAF;USP2-AS1;USP2;CCDC153	-0.21379	-2.33995	0.020442	0.306324
	0.304063	2.342937	0.020285	0.305385
	0.268001	2.334746	0.02072	0.307762
COX5A;ISLR;SCAMP2;C15orf59;CSK;ISLR2;NPTN	-0.28558	-2.33766	0.020564	0.306912
TXNDC12	-0.22179	-2.34254	0.020305	0.305497
	0.451206	2.341858	0.020341	0.305692
	0.155339	2.340307	0.020423	0.306288
	0.213488	2.344653	0.020194	0.305019
NUGGC;HMBOX1	0.256925	2.340223	0.020428	0.306302
	0.336967	2.341714	0.020349	0.30572
	0.121964	2.339481	0.020467	0.306417
	-0.21639	-2.33825	0.020533	0.306817
PLEKHF2;ESRP1;DPY19L4	-0.35079	-2.34061	0.020407	0.306182
	0.264873	2.341438	0.020364	0.305843
	0.168123	2.342874	0.020288	0.305403
	0.164219	2.343446	0.020258	0.305313
	0.360509	2.338714	0.020508	0.306695
HOXB3;NPEPPS	0.363041	2.340187	0.02043	0.306302
	0.328939	2.343382	0.020261	0.305313
	0.280302	2.338448	0.020522	0.306815
	-0.22636	-2.34136	0.020368	0.305873
	-0.32322	-2.3399	0.020445	0.306333
KMT2A;PHLDB1;TMPRSS4;UBE4A;HMBS;MCAM;TREH;SCN2B;				
MPZL3;ENSG00000255176	0.163623	2.33536	0.020687	0.307561
	0.254923	2.340735	0.020401	0.30611
	0.199167	2.344078	0.020225	0.305127
	0.2937	2.338641	0.020512	0.306719
EBF2;BNIP3L	-0.24549	-2.33937	0.020473	0.306436
MDH1	0.26705	2.337491	0.020573	0.306929
	-0.19955	-2.34181	0.020344	0.305712
	0.251245	2.340603	0.020408	0.306182
STK10	0.316453	2.34181	0.020344	0.305712

XPNPEP3;PMM1	0.194417	2.33942	0.02047	0.306417
	-0.16266	-2.34091	0.020391	0.306044
	0.42168	2.343187	0.020271	0.305327
	0.346304	2.341892	0.02034	0.305687
	0.307668	2.342544	0.020305	0.305497
ENSG00000226252	0.271369	2.339598	0.020461	0.306389
	0.190836	2.342592	0.020303	0.305497
	0.226732	2.342679	0.020298	0.305482
	0.197768	2.336394	0.020632	0.307262
PDE2A;FCHSD2;ENSG00000234751	0.177895	2.342047	0.020331	0.305631
	-0.21271	-2.34012	0.020433	0.306318
C22orf34	-0.1882	-2.33784	0.020555	0.306833
	0.292582	2.337461	0.020575	0.306929
	0.215085	2.339483	0.020467	0.306417
	-0.24883	-2.34013	0.020433	0.306318
	-0.30514	-2.34042	0.020418	0.306243
	-0.20908	-2.33992	0.020444	0.306324
SHISA2	0.267131	2.338785	0.020504	0.306689
	0.310932	2.338889	0.020499	0.306684
	-0.22099	-2.34001	0.020439	0.306324
	-0.28605	-2.33883	0.020502	0.306686
	-0.36478	-2.34002	0.020439	0.306324
	0.14267	2.341736	0.020348	0.30572
	-0.4132	-2.34203	0.020333	0.305635
	0.200941	2.340374	0.02042	0.306268
	-0.28313	-2.33863	0.020512	0.306719
	-0.14855	-2.33816	0.020537	0.306817
	-0.30181	-2.34166	0.020352	0.305738
	-0.17836	-2.33452	0.020732	0.307783
	0.253154	2.334793	0.020717	0.307746
	0.154525	2.336165	0.020644	0.307346
KPNA3;TRIM13;DLEU1	-0.31677	-2.34074	0.0204	0.30611
	-0.18573	-2.34337	0.020262	0.305313
	-0.27589	-2.34044	0.020417	0.30624
TNFRSF10C;SLC25A37;DMTN;BMP1;LGI3;HR;REEP4	0.456338	2.335364	0.020687	0.307561
	0.249222	2.341269	0.020373	0.305934
	-0.13164	-2.33867	0.02051	0.306715
ARNTL2;MRPS35	0.262445	2.34012	0.020433	0.306318
	0.172517	2.336408	0.020631	0.307262
	0.143578	2.333068	0.02081	0.308201
	0.216165	2.338368	0.020526	0.306817
SLAMF1;SLAMF6;CD84	0.18383	2.339456	0.020469	0.306417
MANSC1	-0.26052	-2.34253	0.020306	0.305497
	0.163247	2.337616	0.020566	0.306915
	-0.24562	-2.33734	0.020581	0.30699
	-0.14366	-2.33685	0.020607	0.307182
	-0.29186	-2.34009	0.020435	0.306324

	0.286931	2.340067	0.020436	0.306324
IFT140;CLDN9;BAIAP3;ENSG00000272079;HAGH;HS3ST6	-0.2571	-2.34141	0.020365	0.305855
	-0.21905	-2.33873	0.020507	0.306689
	0.285203	2.340514	0.020412	0.30621
	0.302509	2.339308	0.020476	0.306459
RNF166;SNAI3;PIEZO1;ENSG00000261226;CBFA2T3	0.372763	2.342077	0.02033	0.305631
	-0.32428	-2.34291	0.020286	0.305397
SLAMF1;ENSG00000225670;CCDC19;CADM3;DARC;AIM2;CD8				
4;SLAMF6;ENSG00000213080;LY9;PEA15;ATP1A2;PYHIN1	0.278627	2.336554	0.020623	0.307262
	0.241995	2.343057	0.020278	0.305385
CYBA;SLC7A5	-0.34065	-2.34289	0.020287	0.305403
	0.212784	2.338926	0.020497	0.306666
PTPN7;KIF21B	0.261653	2.342044	0.020332	0.305631
	-0.31122	-2.34022	0.020428	0.306302
	-0.21888	-2.33843	0.020523	0.306816
LYAR	-0.16827	-2.33815	0.020538	0.306817
	0.147355	2.339363	0.020473	0.306436
	0.270307	2.336668	0.020617	0.307249
ARFIP2;DCHS1;RRP8	-0.25258	-2.33713	0.020592	0.307089
MEIS3P2;DHRS7B	-0.2904	-2.33756	0.020569	0.306929
	-0.22611	-2.33795	0.020549	0.306817
GPR124	0.248625	2.339287	0.020478	0.306463
	0.171389	2.341174	0.020378	0.305936
	-0.24383	-2.33838	0.020526	0.306817
	0.232129	2.341915	0.020338	0.305683
	0.263509	2.338042	0.020544	0.306817
	0.307136	2.340003	0.02044	0.306324
	0.220697	2.337956	0.020548	0.306817
PHKG2;C16orf93	-0.29876	-2.34049	0.020414	0.306217
RPL7L1	-0.30563	-2.33961	0.02046	0.306389
	0.211306	2.339746	0.020453	0.306367
	-0.25807	-2.33983	0.020449	0.306367
	0.270603	2.334336	0.020742	0.307783
	0.398257	2.340207	0.020429	0.306302
	-0.23612	-2.33642	0.02063	0.307262
	0.180631	2.336939	0.020602	0.30713
	-0.28964	-2.33924	0.02048	0.306463
	-0.46083	-2.33969	0.020456	0.306367
	0.161635	2.339701	0.020456	0.306367
	0.274817	2.337788	0.020557	0.306842
	0.266722	2.341532	0.020359	0.305808
PLXDC1;KRT23	-0.28504	-2.34165	0.020352	0.305738
	-0.21808	-2.33521	0.020695	0.307607
	-0.22786	-2.3361	0.020647	0.30737
HRC;MYH14;PPP1R15A;PIH1D1;CPT1C	0.521095	2.341213	0.020376	0.305936
ALMS1	-0.23586	-2.33993	0.020443	0.306324

SELENBP1	0.26928	2.337713	0.020561	0.306884
	0.254994	2.338178	0.020536	0.306817
	0.28288	2.33794	0.020549	0.306817
	-0.1521	-2.34074	0.020401	0.30611
	0.276893	2.338027	0.020544	0.306817
GBAS	0.165404	2.336993	0.0206	0.307127
	0.281318	2.335082	0.020702	0.307634
	0.22587	2.341527	0.020359	0.305808
	0.115948	2.337514	0.020572	0.306929
	0.216724	2.337707	0.020562	0.306884
	0.239374	2.337103	0.020594	0.307096
	0.208112	2.334212	0.020748	0.307783
	-0.15937	-2.33026	0.020961	0.308948
	-0.25139	-2.34022	0.020428	0.306302
	-0.15348	-2.33424	0.020747	0.307783
	0.189839	2.337074	0.020595	0.307104
NR3C1	0.377643	2.340053	0.020437	0.306324
ENSG00000233392;ENSG00000223991	-0.22241	-2.33878	0.020504	0.306689
	0.281594	2.339252	0.020479	0.306463
	0.354981	2.337839	0.020554	0.306833
TBRG1	-0.25792	-2.34033	0.020422	0.306284
ABHD2;CIB1;ACAN;MFGE8;PEX11A;HAPLN3;KIF7;GDPGP1	0.280754	2.338756	0.020506	0.306689
	-0.17553	-2.33298	0.020815	0.30822
	0.175551	2.337857	0.020553	0.306833
CYTIP	0.291568	2.337821	0.020555	0.306836
ADD2;ANXA4;TGFA	-0.17512	-2.33749	0.020573	0.306929
	0.301363	2.336638	0.020618	0.307262
	0.292084	2.33511	0.0207	0.307633
	-0.26443	-2.33959	0.020461	0.306389
	0.188811	2.338006	0.020546	0.306817
EGFEM1P	0.375379	2.339351	0.020474	0.306436
	0.16164	2.339235	0.02048	0.306463
MYO1F	-0.28643	-2.34076	0.020399	0.30611
	-0.35198	-2.33798	0.020547	0.306817
	-0.36066	-2.33792	0.02055	0.306817
CTSF;LTBP3;EFEMP2;CD248;PELI3;DPF2;DPP3;MAP3K11	0.234365	2.339612	0.02046	0.306389
	0.318682	2.338441	0.020522	0.306815
	0.257772	2.335278	0.020691	0.307591
	0.216362	2.335093	0.020701	0.307634
	-0.19708	-2.33374	0.020774	0.307999
	0.44621	2.340004	0.020439	0.306324
RPL21P8;MAX;AKAP5	-0.3142	-2.33653	0.020624	0.307262
NGLY1	-0.21124	-2.34065	0.020405	0.306166
FERMT3;CCDC88B	0.263874	2.339425	0.02047	0.306417
ITGAL;TGFB1I1	-0.19625	-2.34029	0.020424	0.30629
ZNF662;NKTR;ABHD5;FAM198A;HIGD1A	-0.36105	-2.34082	0.020396	0.306108

	0.203683	2.335585	0.020675	0.307512
	-0.31622	-2.33816	0.020537	0.306817
ENSG00000235731	0.177149	2.339414	0.020471	0.306417
	0.213029	2.333596	0.020781	0.308047
	0.269529	2.333226	0.020801	0.30816
RNF8	-0.16953	-2.33738	0.020579	0.306975
PEX2	0.213045	2.336744	0.020613	0.307222
	0.190966	2.339709	0.020455	0.306367
	0.130303	2.338084	0.020541	0.306817
	-0.248	-2.33878	0.020505	0.306689
	-0.20767	-2.33839	0.020525	0.306817
SYNDIG1	-0.16544	-2.33629	0.020637	0.30728
	0.240555	2.335788	0.020664	0.307447
CDHR4	-0.14784	-2.33623	0.020641	0.307323
	0.277051	2.33498	0.020707	0.307675
ZC3H12D;RAET1E	-0.43461	-2.33548	0.02068	0.30755
NOVA2;HIF3A;SNRPD2	0.235879	2.335325	0.020689	0.307569
CLDN5;UFD1L;ATP6V1E1;MRPL40;MICAL3	-0.25736	-2.33786	0.020553	0.306833
ANXA2;MYO1E	-0.30818	-2.33727	0.020585	0.307013
RECK;TRMT10B;GNE	0.190498	2.334816	0.020716	0.307738
	0.287983	2.339705	0.020455	0.306367
	-0.15632	-2.33458	0.020729	0.307783
	-0.17394	-2.3335	0.020786	0.308075
	0.260225	2.334943	0.020709	0.307675
	-0.21114	-2.33467	0.020724	0.307779
	-0.23757	-2.33593	0.020656	0.307422
SPOCK2;MCU	0.20035	2.335435	0.020683	0.307556
IQCA1;ACKR3	0.206774	2.335652	0.020671	0.307505
ENSG00000248995;LLPH;ENSG00000255693	-0.27859	-2.33142	0.020898	0.308616
	0.378153	2.338016	0.020545	0.306817
SELENBP1;CGN;THEM4;BNIPL;HRNR;S100A11;RORC;SEMA6C;F				
LG	-0.27445	-2.33458	0.020728	0.307783
	-0.29494	-2.33519	0.020696	0.307608
	-0.13263	-2.33206	0.020864	0.30846
INPP5D	-0.39847	-2.33428	0.020745	0.307783
ENSG00000229951	-0.29021	-2.3375	0.020572	0.306929
	0.281171	2.336044	0.02065	0.307392
TIMP2;TMC8;C1QTNF1;ENSG00000267506;SEC14L1	-0.26383	-2.33266	0.020832	0.308352
	0.226829	2.338662	0.020511	0.306715
	-0.17226	-2.33193	0.020871	0.30846
NLRC3;CLUAP1;CDIP1;PPL;CORO7;C16orf71;ENSG0000026301				
1;SMIM22;MEFV;MMP25;ENSG00000262312;HCFC1R1;GLIS2;				
CREBBP;CLDN9;TFAP4;ENSG00000272079;ZNF205	-0.24195	-2.33324	0.020801	0.30816
	0.269721	2.336717	0.020614	0.307231
SUN1	0.330072	2.338194	0.020536	0.306817
PRR26;ADARB2;IDI1;ADARB2-AS1;DIP2C	0.220934	2.336824	0.020609	0.307189

GALE	-0.33847	-2.33849	0.02052	0.306795
	-0.27275	-2.33658	0.020622	0.307262
	0.219384	2.337925	0.02055	0.306817
ENSG00000196674;ENSG00000261659	-0.23583	-2.33856	0.020516	0.306752
	-0.26212	-2.33885	0.020501	0.306686
	0.263503	2.336493	0.020626	0.307262
	-0.23816	-2.33824	0.020533	0.306817
	-0.29974	-2.33592	0.020657	0.307422
	0.210387	2.33742	0.020577	0.306951
ITGAL;ZNF629	0.250642	2.339098	0.020488	0.30655
	0.174025	2.334455	0.020735	0.307783
IL12RB1;KIAA1683;MAU2	0.213461	2.337484	0.020573	0.306929
	0.230921	2.338115	0.02054	0.306817
ENSG00000260051;HN1L	0.221513	2.335156	0.020698	0.307628
LEPREL2;ANO2;CLSTN3;IFFO1;C1R;VWF;C1S;SCNN1A;CD27-AS1	-0.15103	-2.33655	0.020623	0.307262
	0.261526	2.336692	0.020616	0.307241
IL15RA;FBXO18	-0.26043	-2.33921	0.020482	0.306473
	0.282878	2.32795	0.021087	0.309325
CARD11	-0.23113	-2.33748	0.020574	0.306929
ENSG00000272568;JAZF1;CPVL	-0.36602	-2.33858	0.020515	0.306746
	-0.28898	-2.33491	0.020711	0.307675
	0.324038	2.336957	0.020601	0.307127
	0.162807	2.334714	0.020721	0.307766
ITGB2;TRPM2;ADARB1;COL18A1;ENSG00000225331;ICOSLG;CSTB	0.346357	2.335859	0.02066	0.307433
TRPV2;ADORA2B;ZSWIM7;TRIM16	-0.24929	-2.33687	0.020606	0.307171
	-0.39412	-2.33058	0.020944	0.308876
	0.276162	2.334566	0.020729	0.307783
NTAN1;NOMO1	0.346675	2.332116	0.020861	0.30846
DTHD1;ENSG00000251438;ENSG00000247193	-0.32137	-2.33525	0.020693	0.307591
	0.227334	2.334267	0.020745	0.307783
	0.218313	2.337786	0.020557	0.306842
	0.179907	2.329311	0.021013	0.309177
ZDHHC3	-0.21726	-2.33649	0.020626	0.307262
ENSG00000253837;LOXL2;PIWIL2;CCAR2;GFRA2;BMP1;ENSG00000254272;C8orf58	-0.3465	-2.33885	0.020501	0.306686
	0.117845	2.336023	0.020651	0.307398
	-0.2637	-2.33819	0.020536	0.306817
	-0.18422	-2.32996	0.020978	0.308985
	0.225044	2.335418	0.020684	0.307559
	0.171646	2.338329	0.020528	0.306817
	-0.4263	-2.34004	0.020438	0.306324
PHLPP1;BCL2;SERPINB11	-0.40666	-2.33238	0.020847	0.30842
CEP19;TCTEX1D2;RNF168;MUC4;SLC51A;LINC00885;MUC20	-0.44161	-2.33498	0.020707	0.307675
	-0.20478	-2.33211	0.020861	0.30846

	0.241759	2.33617	0.020643	0.307346
	0.269717	2.336317	0.020636	0.307272
RFX8	-0.34221	-2.33731	0.020583	0.306999
	-0.30069	-2.33982	0.020449	0.306367
RNF8;MAPK13;MTCH1	-0.24378	-2.33565	0.020671	0.307505
RPP38;ACBD7;ITGA8;FRMD4A;FAM107B;FAM171A1	-0.29255	-2.33031	0.020959	0.308948
	-0.14069	-2.33252	0.020839	0.30839
	0.155994	2.336386	0.020632	0.307262
KMT2A;MCAM;MPZL3;CBL;PHLDB1;IFT46	-0.35015	-2.33462	0.020726	0.307783
LTB4R	-0.25061	-2.33798	0.020547	0.306817
	0.348802	2.338337	0.020528	0.306817
	0.22357	2.338355	0.020527	0.306817
BMPR1B	-0.41251	-2.3324	0.020846	0.308416
	0.322893	2.337972	0.020547	0.306817
	-0.17515	-2.33053	0.020947	0.308877
	-0.27209	-2.33094	0.020925	0.308772
	-0.21564	-2.3384	0.020525	0.306817
GPR176;C15orf52;FSIP1	0.349624	2.333136	0.020806	0.30819
	0.235032	2.337927	0.02055	0.306817
	0.275974	2.333688	0.020777	0.308019
	1.483954	2.334388	0.020739	0.307783
HHAT	0.264801	2.333308	0.020797	0.30816
	0.288707	2.33733	0.020582	0.30699
	0.136671	2.327197	0.021128	0.309538
	0.307682	2.338221	0.020534	0.306817
SPARCL1;PTPN13;RN7SKP96;ENSG00000250062;MAPK10	-0.27192	-2.33195	0.02087	0.30846
	0.252612	2.332009	0.020867	0.30846
RPAP2	0.247985	2.336494	0.020626	0.307262
	0.227024	2.335348	0.020687	0.307561
	0.187645	2.334363	0.02074	0.307783
RHOH;SMIM14;RBM47;NSUN7;APBB2	-0.32525	-2.33425	0.020747	0.307783
	-0.17938	-2.33697	0.020601	0.307127
	0.302332	2.330908	0.020926	0.308772
	-0.33111	-2.33707	0.020596	0.307104
UNC93B1;GSTP1;ALDH3B1;TBC1D10C;ALDH3B2;FAM86C2P;EN				
SG00000255306;PITPNM1;CDK2AP2;AIP;ENSG00000254610	-0.33993	-2.33598	0.020654	0.307411
	-0.27234	-2.33713	0.020592	0.307089
MLH3	0.297249	2.337043	0.020597	0.307111
	0.237172	2.336959	0.020601	0.307127
LCK;MARCKSL1;MTMR9LP	-0.30104	-2.33101	0.020921	0.308772
	-0.21353	-2.33463	0.020726	0.307783
	0.224039	2.335802	0.020663	0.307447
MCAM;CBL;TRIM29	-0.32456	-2.33398	0.020761	0.307881
	0.176892	2.334333	0.020742	0.307783
	0.196541	2.332764	0.020826	0.308316

BAIAP2;ALYREF;WDR45B;ANAPC11;STRA13	-0.22072	-2.33657	0.020622	0.307262
	0.137761	2.333825	0.020769	0.307951
SNAPC5;AAGAB	-0.37494	-2.32804	0.021082	0.309314
	0.26729	2.335599	0.020674	0.307512
	0.215349	2.336085	0.020648	0.30737
TNXB;SLC44A4;C6orf10;NOTCH4;C4A;ENSG00000225914;CCHCR1	-0.22365	-2.33426	0.020746	0.307783
	-0.21518	-2.33609	0.020648	0.30737
TLE6	-0.22789	-2.33026	0.020961	0.308948
	-0.23372	-2.33791	0.020551	0.306817
ENSG00000235772;UBASH3A	-0.19841	-2.33659	0.020621	0.307262
	-0.16637	-2.33156	0.020891	0.308585
	0.20883	2.331602	0.020889	0.308585
	-0.20256	-2.33441	0.020738	0.307783
	-0.14741	-2.33447	0.020734	0.307783
PLEKHB2;TUBA3D;CCDC74A;ENSG00000213222	0.379148	2.336369	0.020633	0.307262
KAZN;DNAJC16;FBLIM1;HSPB7;ENSG00000224621;DDI2;RSG1	-0.27928	-2.33647	0.020628	0.307262
	-0.24424	-2.32734	0.02112	0.309527
	-0.2039	-2.33137	0.020901	0.308649
	0.403246	2.337932	0.02055	0.306817
	0.35041	2.335622	0.020673	0.307512
DOK2	0.206748	2.335515	0.020679	0.307535
	-0.19986	-2.33495	0.020709	0.307675
	0.18427	2.336323	0.020635	0.307272
	0.272473	2.334186	0.02075	0.307792
	0.171736	2.336748	0.020613	0.307222
TBC1D24;ZG16B;ENSG00000272079;CLUAP1;RNPS1;CLDN9	0.692658	2.336495	0.020626	0.307262
	0.158901	2.33512	0.0207	0.307633
EHF	-0.33412	-2.33389	0.020766	0.307928
OFD1P17;C5orf42	-0.26321	-2.3315	0.020895	0.308616
	0.189913	2.330674	0.020939	0.308822
	0.254097	2.334732	0.02072	0.307763
CXCR6;XCR1	0.255481	2.334075	0.020756	0.307848
	0.196085	2.335138	0.020699	0.307632
	-0.24567	-2.333	0.020814	0.30822
	0.190796	2.333646	0.020779	0.308019
	-0.21049	-2.32975	0.020989	0.309017
TMEM14B;TMEM14C	-0.29752	-2.33527	0.020692	0.307591
	-0.17417	-2.33405	0.020757	0.307849
	-0.23015	-2.33094	0.020925	0.308772
SOWAHB	-0.40436	-2.33341	0.020791	0.308126
	0.219756	2.326927	0.021143	0.309615
	-0.29375	-2.33757	0.020569	0.306929
	0.201363	2.333867	0.020767	0.307928
	0.121046	2.331959	0.02087	0.30846

TMEM99	0.316777	2.335735	0.020667	0.307477
	0.231963	2.336384	0.020632	0.307262
	-0.22645	-2.3319	0.020873	0.308471
LSM2	0.156855	2.335559	0.020676	0.307522
KAZN;DDI2;FHAD1;ENSG00000228140	0.302938	2.335899	0.020658	0.307422
	-0.17505	-2.32886	0.021038	0.30921
	0.192383	2.332587	0.020836	0.308365
	0.205058	2.33747	0.020574	0.306929
	0.291432	2.335858	0.02066	0.307433
MRPL36;NDUFS6;CLPTM1L	0.388217	2.336377	0.020632	0.307262
	-0.24976	-2.33545	0.020682	0.307556
	-0.27296	-2.33632	0.020635	0.307272
	-0.37236	-2.33477	0.020718	0.307751
	-0.20485	-2.33236	0.020848	0.308421
	-0.25056	-2.33321	0.020802	0.30816
	-0.30783	-2.33387	0.020767	0.307928
	0.231572	2.332581	0.020836	0.308365
KIAA2013	-0.20314	-2.33504	0.020704	0.307645
	0.201413	2.333188	0.020803	0.30816
SLC16A5;FDXR;TTYH2;GPRC5C;SLC9A3R1	-0.20551	-2.33456	0.02073	0.307783
ZNF671	0.197651	2.333583	0.020782	0.308047
	-0.37524	-2.33565	0.020671	0.307505
KIF28P	-0.3091	-2.33269	0.02083	0.308352
ENSG00000224992	0.242003	2.33121	0.02091	0.308727
	0.202472	2.33309	0.020809	0.308197
	0.231293	2.331626	0.020888	0.308585
C14orf79;KIF26A	0.266989	2.33214	0.02086	0.30846
ADAM8;FUOM	0.300701	2.33233	0.02085	0.308427
	-0.22303	-2.33591	0.020658	0.307422
MCAT;TTLL1;CENPM;NFAM1;ACO2;BIK;SMDT1	0.230977	2.329234	0.021017	0.309177
EIF2AK1;FOXK1;CYTH3;RSPH10B;FSCN1	-0.4354	-2.33451	0.020732	0.307783
	-0.352	-2.33444	0.020736	0.307783
C8orf12;FAM167A	0.197827	2.33302	0.020812	0.30822
	0.260449	2.333494	0.020787	0.308075
GRASP;ACVRL1;KRT80;SLC4A8;ACVR1B;SLC11A2	0.275989	2.33277	0.020826	0.308316
	0.291857	2.334209	0.020749	0.307783
TSPAN4;IFITM2;MRPL23;PKP3;IFITM3;RASSF7	-0.30954	-2.32876	0.021043	0.309236
ECHS1;PWWP2B;INPP5A	-0.20491	-2.32871	0.021046	0.309238
	0.186576	2.327087	0.021134	0.309558
AGAP2;ARHGAP9	-0.25992	-2.33461	0.020727	0.307783
	0.30919	2.333305	0.020797	0.30816
ENSG00000272950	0.300363	2.330522	0.020947	0.308877
ITPR2	-0.40506	-2.33657	0.020622	0.307262
	-0.36047	-2.33538	0.020686	0.307561
	-0.1898	-2.33055	0.020946	0.308877
SLC34A2;PI4K2B;SMIM20;STIM2;SEL1L3;ANAPC4;TBC1D19	0.304663	2.333517	0.020786	0.308075

	0.206823	2.333113	0.020807	0.308197
	-0.29569	-2.33538	0.020686	0.307561
	0.291346	2.334919	0.02071	0.307675
	-0.21767	-2.33213	0.02086	0.30846
	0.189101	2.336404	0.020631	0.307262
	0.280674	2.332813	0.020824	0.308298
	0.203026	2.334338	0.020742	0.307783
	0.156773	2.331445	0.020897	0.308616
	0.259166	2.334495	0.020733	0.307783
	0.267745	2.330414	0.020953	0.3089
	0.307802	2.330933	0.020925	0.308772
	-0.22113	-2.32867	0.021048	0.309238
CSK;ISLR;SCAMP2	-0.22552	-2.32925	0.021016	0.309177
	0.179034	2.332149	0.020859	0.30846
	0.259875	2.332002	0.020867	0.30846
	0.270978	2.334056	0.020757	0.307849
MFNG;APOL3;CSF2RB;CDC42EP1;CARD10;LGALS1;MYH9;TRIOBP	-0.23344	-2.32725	0.021125	0.309538
	0.234524	2.332486	0.020841	0.308396
	0.241653	2.335596	0.020674	0.307512
ENSG00000176349	0.236185	2.326528	0.021164	0.309735
	0.2701	2.333351	0.020795	0.308146
	0.196729	2.335945	0.020656	0.307422
	0.288108	2.33158	0.02089	0.308585
	0.17319	2.329082	0.021025	0.309177
	-0.17523	-2.3317	0.020883	0.308564
	0.272367	2.329966	0.020977	0.308985
	-0.41509	-2.33431	0.020743	0.307783
	0.217512	2.328827	0.021039	0.30921
	-0.15437	-2.33145	0.020897	0.308616
	-0.19852	-2.33262	0.020834	0.308352
SLC22A17;EFS	0.257756	2.32972	0.020991	0.309017
	-0.22695	-2.33524	0.020693	0.307591
ATP5C1	0.225693	2.330323	0.020958	0.308948
	0.231863	2.331856	0.020875	0.308488
	-0.17252	-2.33198	0.020868	0.30846
TMEM183A;TIMM17A;SYT2	-0.21062	-2.3334	0.020792	0.308126
	0.21082	2.333252	0.0208	0.30816
DOCK1;ENSG00000227076;ENSG00000232259	0.215311	2.329135	0.021022	0.309177
BASP1;ENSG00000215196	0.293312	2.333791	0.020771	0.307967
	-0.2546	-2.33467	0.020724	0.307779
	0.23771	2.330113	0.020969	0.308985
	-0.38471	-2.33299	0.020814	0.30822
KCNAB1;TIPARP	-0.4829	-2.33159	0.020889	0.308585
	0.198336	2.330708	0.020937	0.308815
FYN;ENSG00000237234;ENSG00000271208;LAMA4;ENSG00000226440	-0.35958	-2.32906	0.021026	0.309177

CD5;INTS5;DDB1;DAK;SCGB2A1;TMEM258	-0.29634	-2.33491	0.020711	0.307675
DYRK4	0.190299	2.333507	0.020786	0.308075
MICU2	0.354478	2.331852	0.020875	0.308488
	-0.2412	-2.33293	0.020817	0.30824
	-0.29634	-2.33199	0.020868	0.30846
	0.298109	2.330791	0.020933	0.30878
	-0.21355	-2.33422	0.020748	0.307783
TNXB;SLC44A4;CLIC1	0.350874	2.332219	0.020856	0.30846
	0.237374	2.333217	0.020802	0.30816
	0.218534	2.334132	0.020753	0.307813
	-0.24361	-2.32766	0.021103	0.309449
	0.228846	2.33414	0.020752	0.307813
	0.276729	2.328964	0.021032	0.309177
	-0.19871	-2.33232	0.02085	0.308427
	0.146188	2.327316	0.021121	0.309534
GGT5;C22orf15;GGT1;FAM211B;ADORA2A-AS1	-0.22208	-2.32989	0.020981	0.308985
	0.202731	2.328505	0.021057	0.309292
	0.21984	2.330032	0.020974	0.308985
ZDHHC13;E2F8;TSG101	-0.19672	-2.33447	0.020735	0.307783
	-0.20674	-2.33433	0.020742	0.307783
	-0.14362	-2.33207	0.020864	0.30846
	-0.22172	-2.33616	0.020644	0.307346
H19	-0.30433	-2.32787	0.021091	0.309328
	-0.2734	-2.33088	0.020928	0.30878
	-0.26585	-2.33019	0.020965	0.308985
CNTNAP1;AOC3;MEOX1;MPP2;GPATCH8;RUNDC1;COA3;G6PC3;VPS25;EZH1;BRCA1	-0.3306	-2.33102	0.02092	0.308772
	0.227705	2.331249	0.020908	0.308713
	-0.25621	-2.33329	0.020798	0.30816
TMEM63B	-0.27713	-2.32819	0.021074	0.309292
ZNF563	0.133347	2.326327	0.021175	0.309753
	-0.24329	-2.3308	0.020932	0.30878
	0.880303	2.335062	0.020703	0.307639
FAM83H-AS1;FAM83H;RHPN1-AS1;ARHGAP39;MIR4664;ZNF34;ENSG00000254973	-0.27124	-2.32761	0.021106	0.309449
KIAA1257;GATA2;PLXND1;EFCAB12;IFT122;ENSG00000244300;RPL32P3	-0.242	-2.32969	0.020992	0.309017
	0.319127	2.333662	0.020778	0.308019
SMIM14;RBM47;UGDH;APBB2	-0.23691	-2.33321	0.020802	0.30816
	0.263422	2.328266	0.02107	0.309292
	-0.19332	-2.33066	0.02094	0.308822
YEATS2;FAM131A;ENSG00000273181;YEATS2-AS1	0.180186	2.332466	0.020842	0.308396
	0.224657	2.331665	0.020885	0.308573
	-0.18969	-2.33257	0.020837	0.308366
	0.327821	2.330447	0.020951	0.308891
	-0.17707	-2.33211	0.020862	0.30846
	0.320373	2.331927	0.020871	0.30846

	0.140366	2.331574	0.02089	0.308585
	-0.16207	-2.33081	0.020932	0.30878
	-0.21382	-2.32922	0.021018	0.309177
	-0.43756	-2.33197	0.020869	0.30846
	0.20319	2.332141	0.02086	0.30846
CARD8	-0.28948	-2.334	0.02076	0.307872
	0.218317	2.331556	0.020891	0.308585
HMHA1;ARID3A;REEP6;CSNK1G2-AS1;SHC2;GPX4	-0.18659	-2.32874	0.021044	0.309236
	-0.26846	-2.32994	0.020979	0.308985
CDH11	0.304095	2.332178	0.020858	0.30846
	-0.23018	-2.33226	0.020853	0.308459
	-0.33371	-2.33148	0.020896	0.308616
KIF21B;NR5A2;C1orf106	0.349724	2.329011	0.021029	0.309177
ENSG00000236467;KCNMA1	0.323012	2.325843	0.021202	0.309822
	-0.17431	-2.33218	0.020858	0.30846
	-0.34706	-2.33092	0.020926	0.308772
ENSG00000178404;C1QTNF1;TIMP2;TNRC6C	0.212098	2.328846	0.021038	0.30921
	-0.24404	-2.3272	0.021128	0.309538
	0.258244	2.333	0.020813	0.30822
AFAP1L2;ADRB1;DCLRE1A;TRUB1;CASP7;C10orf118;ATRNL1	-0.31728	-2.32915	0.021022	0.309177
	0.181529	2.32847	0.021059	0.309292
MSI2;ANKFN1;LPO;MKS1;DYNLL2;AKAP1;SRSF1;EPX	-0.22635	-2.3281	0.021079	0.309313
	0.305967	2.33125	0.020908	0.308713
	-0.28449	-2.33085	0.020929	0.30878
	0.197547	2.332904	0.020819	0.30824
CPNE5;RNF8	-0.28905	-2.33114	0.020914	0.308727
	-0.28608	-2.32818	0.021075	0.309292
RBP2;ENSG00000248790	-0.14543	-2.33234	0.020849	0.308427
	0.205145	2.327338	0.02112	0.309527
BIN1	0.371932	2.334292	0.020744	0.307783
	-0.19389	-2.32994	0.020979	0.308985
	0.368697	2.33076	0.020934	0.308784
HEYL;MACF1;RIMS3;PPIE;TRIT1;AKIRIN1;ZMPSTE24;NFYC;KCN Q4;ENSG00000259943	-0.29929	-2.32759	0.021106	0.309449
LINC01132;COA6;B3GALNT2	-0.33812	-2.33044	0.020952	0.308891
IGF2;MRPL23;NAP1L4;MOB2;CARS	-0.21168	-2.32662	0.02116	0.309719
	-0.30157	-2.33319	0.020803	0.30816
ENSG00000260051	-0.26705	-2.33368	0.020777	0.308019
	0.250699	2.332031	0.020866	0.30846
	-0.22969	-2.32895	0.021032	0.309177
FAM174B;RGMA;ENSG00000260337;SLCO3A1;ENSG00000258 676;LINC00930	-0.34496	-2.33267	0.020831	0.308352
	-0.23924	-2.32641	0.021171	0.309744
	0.25876	2.329001	0.02103	0.309177
	0.237785	2.329702	0.020992	0.309017
	0.218248	2.329083	0.021025	0.309177

	-0.38193	-2.32713	0.021132	0.309555
	0.224466	2.332903	0.020819	0.30824
NUAK1	0.270008	2.329905	0.020981	0.308985
BUB1B;CASC5;SRP14-AS1;NUSAP1;TYRO3;RAD51;GCHFR	-0.30906	-2.32689	0.021145	0.30963
	0.303888	2.328197	0.021073	0.309292
CARD11	0.322716	2.328209	0.021073	0.309292
	0.330199	2.329092	0.021025	0.309177
	-0.23426	-2.32986	0.020983	0.308989
	-0.28985	-2.32898	0.021031	0.309177
	0.180321	2.33054	0.020946	0.308877
	-0.24193	-2.3339	0.020765	0.307928
	0.187057	2.333655	0.020778	0.308019
COX6CP1	-0.14181	-2.32962	0.020996	0.30905
	0.20532	2.330918	0.020926	0.308772
SECTM1	0.261916	2.334213	0.020748	0.307783
	0.231378	2.330137	0.020968	0.308985
	0.230278	2.331319	0.020904	0.308678
ADCY4;NFATC4;DCAF11;SLC22A17;CDH24;RBM23;EFS	0.155421	2.327541	0.021109	0.309449
	0.224195	2.330444	0.020952	0.308891
	0.242421	2.328189	0.021074	0.309292
	-0.1723	-2.33003	0.020974	0.308985
OARD1	-0.3039	-2.32751	0.021111	0.309452
	0.287817	2.325921	0.021198	0.309822
	0.343569	2.332432	0.020844	0.30841
CCL19;UNC13B	0.300118	2.332498	0.020841	0.308396
TAPT1-AS1	-0.20597	-2.32939	0.021008	0.309159
	-0.42823	-2.33246	0.020842	0.308396
CD27	0.227101	2.332751	0.020827	0.308316
	0.17757	2.333368	0.020794	0.308144
	-0.14752	-2.32898	0.021031	0.309177
	-0.30143	-2.33181	0.020878	0.308512
	-0.29218	-2.33265	0.020832	0.308352
LRRC3DN;ENSG00000267857;ADARB1;LRRC3	0.305668	2.330128	0.020969	0.308985
	0.195371	2.329248	0.021016	0.309177
	0.269372	2.327428	0.021115	0.309498
	-0.31789	-2.33083	0.020931	0.30878
	0.161051	2.328024	0.021083	0.309314
PPP1R11	0.564136	2.331004	0.020921	0.308772
	-0.27139	-2.32995	0.020978	0.308985
SYNJ2	-0.29375	-2.3299	0.020981	0.308985
PDRG1	0.292956	2.32851	0.021056	0.309292
	0.26179	2.329934	0.020979	0.308985
	0.178608	2.324188	0.021293	0.310351
ENSG00000264527;UBAC1;ENSG00000233936;C9orf116;PPP1R26-AS1;INPP5E;C9orf163;PPP1R26;QSOX2;SNHG7;SEC16A;CAMSAP1	-0.32925	-2.33437	0.02074	0.307783

ACTR8		-0.20407	-2.33169	0.020884	0.308564
		-0.19929	-2.32993	0.02098	0.308985
		0.110073	2.328387	0.021063	0.309292
	39508	-0.3698	-2.32369	0.02132	0.310531
		-0.20294	-2.33077	0.020934	0.308784
		-0.18291	-2.32851	0.021056	0.309292
		-0.35057	-2.331	0.020921	0.308772
MLLT4;THBS2		0.31666	2.329721	0.020991	0.309017
		0.227218	2.329463	0.021005	0.309159
		0.228295	2.326063	0.02119	0.309794
		0.274205	2.326684	0.021156	0.309711
		0.287772	2.332624	0.020834	0.308352
		-0.3366	-2.32983	0.020985	0.308993
		-0.33412	-2.33202	0.020866	0.30846
		-0.17397	-2.32717	0.02113	0.309538
ITGAL;ITGAX		0.290561	2.327938	0.021088	0.309325
		-0.20211	-2.32942	0.021007	0.309159
		0.173334	2.324824	0.021258	0.310128
PDP1		-0.3624	-2.33051	0.020948	0.308879
TBC1D7;PHACTR1		-0.31253	-2.32188	0.02142	0.311001
		0.210807	2.332403	0.020846	0.308416
		-0.21159	-2.32836	0.021065	0.309292
		-0.15841	-2.32767	0.021102	0.309449
		-0.3286	-2.33211	0.020861	0.30846
		0.158337	2.331727	0.020882	0.308555
		-0.34171	-2.32961	0.020997	0.30905
		0.244533	2.327529	0.02111	0.309449
		0.337083	2.328812	0.02104	0.30921
		-0.2602	-2.3226	0.02138	0.310851
		0.285358	2.330283	0.02096	0.308948
TMC8;TMC6		0.182269	2.329245	0.021017	0.309177
		0.234384	2.330058	0.020972	0.308985
		0.317078	2.328824	0.021039	0.30921
		0.291275	2.326118	0.021187	0.309789
		-0.19073	-2.32998	0.020976	0.308985
SYDE1;ENSG00000141854;TECR;CACNA1A;RASAL3;ITGB1P1		-0.30731	-2.3254	0.021226	0.309943
		0.185499	2.328021	0.021083	0.309314
LHFP		-0.29258	-2.33066	0.02094	0.308822
		-0.20276	-2.33	0.020976	0.308985
		0.247319	2.329845	0.020984	0.308992
		0.388696	2.333087	0.020809	0.308197
PCDH12;SPRY4;PCDHGC3;PCDH1;ENSG00000271871;KIAA0141 ;PCDHGB2;PCDHGA5;FGF1;PCDHGA2;PCDHGB7		0.274554	2.327115	0.021132	0.309555
		0.280923	2.328118	0.021078	0.309313
ADAMTS6;RNF180		-0.26138	-2.32614	0.021186	0.309789
		-0.23031	-2.33114	0.020914	0.308727

	0.296268	2.325102	0.021243	0.310012
CBX2;TIMP2;C1QTNF1;CYTH1;CCDC40;CBX8;CANT1	0.368431	2.321395	0.021447	0.311162
	-0.34889	-2.33085	0.020929	0.30878
AADACL2;ENSG00000240137;ENSG00000242908;ENSG00000241151;MRPL42P6;ENSG00000222833;ENSG00000242097;ENSG00000244668	-0.297	-2.32915	0.021022	0.309177
	0.237646	2.327637	0.021104	0.309449
COL6A3;LINC01107;RAB17	-0.25404	-2.32799	0.021085	0.309323
C3orf67;ABHD6;ENSG00000242428;DENND6A;RPP14;FLNB;FAM3D;ENSG00000270772	-0.25511	-2.32808	0.02108	0.309313
SH3TC1	0.240725	2.331731	0.020882	0.308555
DCTPP1;SEPHS2;TGFB1I1	0.238384	2.325139	0.02124	0.310008
	0.260795	2.326481	0.021167	0.309735
	-0.20285	-2.33049	0.020949	0.308885
	0.26078	2.330182	0.020966	0.308985
	-0.15435	-2.32903	0.021028	0.309177
EPDR1;SFRP4	-0.33681	-2.32402	0.021302	0.310425
	-0.13201	-2.32471	0.021264	0.310155
EXOC3L4;TNFAIP2	-0.27438	-2.3294	0.021008	0.309159
DPY30	-0.33238	-2.32415	0.021295	0.310358
	0.274648	2.329017	0.021029	0.309177
IRF1	-0.24769	-2.32022	0.021512	0.311449
DALRD3;P4HTM;PRKAR2A-AS1;NME6;DHX30	-0.23979	-2.32908	0.021025	0.309177
	-0.19975	-2.32585	0.021201	0.309822
	-0.16239	-2.32438	0.021282	0.310291
TM4SF18	-0.41837	-2.32322	0.021346	0.310689
TXNDC11;ENSG00000260310	0.499074	2.330968	0.020923	0.308772
	0.168925	2.327287	0.021123	0.309538
	0.289266	2.331952	0.02087	0.30846
	-0.37335	-2.32842	0.021062	0.309292
	-0.13742	-2.32597	0.021195	0.309822
	-0.16813	-2.33003	0.020974	0.308985
	0.257249	2.324261	0.021289	0.310324
SDC3	0.252105	2.330953	0.020924	0.308772
CD8B;CD8A	0.209842	2.324176	0.021293	0.310351
PIK3CD	0.382878	2.329862	0.020983	0.308989
NUP210	0.290629	2.332899	0.020819	0.30824
	-0.2914	-2.32815	0.021076	0.309304
	-0.24287	-2.32882	0.02104	0.30921
	0.284065	2.324906	0.021253	0.310094
	0.262096	2.326136	0.021186	0.309789
	0.191582	2.325216	0.021236	0.309989
OASL	-0.25438	-2.32847	0.021058	0.309292
	0.192581	2.329345	0.021011	0.309177
RASSF1	0.214078	2.329147	0.021022	0.309177
C2CD2L;IL10RA;DSCAML1;MCAM;CCDC153;CBL;CD3G;IFT46;MPZL3;NLRX1	0.265026	2.331171	0.020912	0.308727

GCC2;CCDC138;SH3RF3-AS1;SLC5A7;LIMS1	0.334568	2.326426	0.02117	0.309744
	0.15895	2.320544	0.021494	0.311392
	-0.17882	-2.32835	0.021065	0.309292
	0.212437	2.33003	0.020974	0.308985
	0.150513	2.329382	0.021009	0.309159
	-0.23334	-2.32529	0.021232	0.309989
HERC2P4	0.261888	2.328219	0.021072	0.309292
	0.224759	2.331144	0.020914	0.308727
USP48;ZBTB40	0.254087	2.326755	0.021152	0.309686
	0.260117	2.331072	0.020918	0.308769
ITPRIPL2;CLEC19A;ENSG00000259871;ENSG00000188477	-0.36492	-2.3189	0.021585	0.311618
MTHFR	0.20963	2.330279	0.02096	0.308948
SLC13A3	0.193739	2.328306	0.021068	0.309292
	0.255633	2.331138	0.020914	0.308727
	-0.29634	-2.33147	0.020896	0.308616
ADSL	0.186458	2.325713	0.021209	0.309857
	0.321073	2.329638	0.020995	0.30905
CYP4Z2P;UQCRH	-0.1685	-2.32739	0.021117	0.309505
	0.111381	2.328411	0.021062	0.309292
	-0.57866	-2.32791	0.021089	0.309325
	-0.22275	-2.32869	0.021047	0.309238
ANKRD65;MXRA8;VWA1;RNF223;ENSG00000272106;SAMD11; LINC01128	-0.41002	-2.32234	0.021394	0.310892
LAIR1;LILRB1;SUV420H2	0.362522	2.328681	0.021047	0.309238
PDGFRB;MYOZ3;HMGXB3	0.253066	2.328947	0.021033	0.309177
LYPD6B	0.197567	2.325341	0.021229	0.309969
	-0.20842	-2.33082	0.020931	0.30878
NEK1;CLCN3;RPL9P16;SH3RF1;PALLD	-0.43583	-2.32808	0.02108	0.309313
	0.219463	2.329407	0.021008	0.309159
COL4A2;COL4A1	-0.38017	-2.32839	0.021063	0.309292
	-0.15354	-2.32213	0.021406	0.31097
	0.304193	2.327881	0.021091	0.309328
PSMA5;SYPL2;GSTM5;CLCC1	0.231082	2.327926	0.021088	0.309325
	-0.16529	-2.32234	0.021394	0.310892
BAIAP2;CD7	0.426433	2.32837	0.021064	0.309292
ABCA3;TBC1D24;CCNF	-0.85547	-2.32939	0.021009	0.309159
	0.260034	2.321799	0.021424	0.311017
	-0.12698	-2.32834	0.021066	0.309292
	0.215204	2.326757	0.021152	0.309686
	0.161108	2.328256	0.02107	0.309292
	-0.29147	-2.32664	0.021158	0.309719
ELTD1;NEXN;AK5	0.453737	2.328275	0.021069	0.309292
ZBTB9;HSD17B8	-0.18452	-2.32664	0.021158	0.309719
	0.263731	2.326404	0.021171	0.309744
	0.264473	2.331173	0.020912	0.308727
	-0.39034	-2.32887	0.021037	0.30921
	0.304264	2.326034	0.021191	0.309794

	-0.28173	-2.32723	0.021126	0.309538
GRIN3B;PCSK4;GPX4;PPAP2C;ENSG00000129951;PALM;FSTL3	-0.32985	-2.32566	0.021212	0.309873
	0.227051	2.329695	0.020992	0.309017
	-0.24247	-2.32613	0.021186	0.309789
	0.208192	2.325576	0.021217	0.30989
RNF224;CAMSAP1;TMEM141;C9orf139;UAP1L1;C9orf169	0.266613	2.326619	0.02116	0.309719
	-0.25486	-2.32372	0.021318	0.310524
	0.353252	2.328292	0.021068	0.309292
F11R;PVRL4;TSTD1;MPZ;SDHC;ADAMTS4;UFC1;ATP1A2;ENSG0				
0000213080;PPOX;C1orf192;KLHDC9	-0.37603	-2.3274	0.021117	0.309505
	0.185386	2.326933	0.021142	0.309615
	-0.16256	-2.32586	0.021201	0.309822
	-0.13848	-2.32142	0.021445	0.311162
RBPMS;GTF2E2;DUSP4;HMBOX1;LINC00589;TMEM66;KIF13B	-0.38745	-2.32342	0.021335	0.310631
ARRDC4	0.277679	2.321977	0.021414	0.310991
	0.159319	2.325643	0.021213	0.309873
	0.166869	2.319381	0.021558	0.31154
	0.196616	2.325551	0.021218	0.30989
	0.208334	2.327875	0.021091	0.309328
	0.237789	2.323711	0.021319	0.310524
	0.363803	2.326562	0.021163	0.309735
	-0.39495	-2.32631	0.021177	0.309759
	-0.14578	-2.32281	0.021369	0.310782
	-0.2286	-2.32875	0.021043	0.309236
	-0.25691	-2.32703	0.021137	0.309569
IL10RA;CD3G;CD3E;CBL;AMICA1;CD3D	0.328473	2.326961	0.021141	0.309615
QPCTL	-0.17358	-2.32661	0.02116	0.309719
WDR45B;PCYT2	0.297597	2.330054	0.020973	0.308985
	-0.24492	-2.32849	0.021058	0.309292
	-0.15444	-2.32494	0.021251	0.310085
	0.273882	2.326365	0.021173	0.309744
	0.237535	2.32521	0.021237	0.309989
	-0.23388	-2.32637	0.021173	0.309744
LST1;AIF1;GPSM3;PSMB8;HLA-DMB;NELFE;HLA-DRA	-0.23443	-2.32613	0.021186	0.309789
ZNF101;GMIP;LINC00663;TSSK6	-0.24966	-2.3298	0.020986	0.309005
	0.165989	2.325632	0.021213	0.309873
	0.231926	2.328547	0.021054	0.309292
	-0.23289	-2.32365	0.021322	0.310549
	0.381751	2.320347	0.021504	0.311449
	-0.34415	-2.3286	0.021052	0.309279
GTF3C1;KIAA0556;IL21R	-0.24567	-2.32802	0.021083	0.309314
SOX18;ZBTB46;STMN3;COL9A3;RTEL1-				
TNFRSF6B;SLC17A9;SLC2A4RG;RGS19	-0.23606	-2.32488	0.021254	0.310101
	0.318776	2.329169	0.021021	0.309177

	-0.16941	-2.32413	0.021296	0.310368
	0.161926	2.326697	0.021155	0.309711
	-0.29582	-2.32717	0.02113	0.309538
CDKL2;FAM47E;SHROOM3;SEPT11	-0.32205	-2.32508	0.021244	0.310021
	0.184304	2.32641	0.021171	0.309744
	0.277263	2.325858	0.021201	0.309822
	0.206224	2.327072	0.021135	0.30956
	0.187305	2.330293	0.02096	0.308948
	0.179305	2.32832	0.021067	0.309292
	0.301367	2.328717	0.021045	0.309238
GPSM1;PTGDS;ENSG00000264527;LCNL1	-0.21023	-2.32427	0.021288	0.310324
TPPP	-0.23187	-2.32679	0.02115	0.309675
	0.274424	2.327569	0.021108	0.309449
ANKDD1B;ZBED3;PDE8B;F2RL1;POC5;IQGAP2;WDR41;POLK	-0.41333	-2.32573	0.021208	0.309857
ENSG00000260977;CRIPT	-0.43078	-2.32754	0.021109	0.309449
ACAP1;PIK3R6;PIK3R5;KCTD11;CTC1	-0.29281	-2.32639	0.021172	0.309744
	0.120831	2.325045	0.021246	0.310036
	-0.34198	-2.32754	0.021109	0.309449
ASH1L-AS1;YY1AP1	-0.15673	-2.32542	0.021225	0.309943
ENSG00000254000;ZHX2;FER1L6	-0.42987	-2.32974	0.02099	0.309017
	0.307595	2.327609	0.021105	0.309449
	-0.28286	-2.32858	0.021053	0.309279
	0.311345	2.326076	0.021189	0.309794
	-0.30596	-2.32522	0.021236	0.309989
	0.228589	2.324859	0.021256	0.31011
	0.150737	2.325344	0.021229	0.309969
	0.237742	2.328071	0.02108	0.309313
	0.33221	2.327799	0.021095	0.309372
TCP11L1;ENSG00000184566;CD59;PIGCP1;HIPK3;DEPDC7;NAT				
10;QSER1;ABTB2;CCDC73;LMO2	-0.31664	-2.31845	0.02161	0.311618
	-0.22969	-2.32914	0.021022	0.309177
	0.302463	2.325706	0.021209	0.309857
	-0.1826	-2.32574	0.021208	0.309857
TBC1D10C;ENSG00000255306;MRGPRF;ALDH3B1;PITPNM1;U				
NC93B1	-0.33722	-2.3268	0.02115	0.309675
	-0.24298	-2.32589	0.021199	0.309822
	-0.22839	-2.32622	0.021181	0.309773
	0.275687	2.328993	0.02103	0.309177
	-0.16163	-2.32525	0.021234	0.309989
	0.224882	2.327181	0.021129	0.309538
	0.242778	2.330052	0.020973	0.308985
	-0.27584	-2.32905	0.021027	0.309177
	-0.3008	-2.31762	0.021656	0.311792
TOMM40	-0.31473	-2.32859	0.021052	0.309279
SLC1A2;PRR5L;RAG2;PAMR1	-0.26903	-2.32585	0.021202	0.309822
	-0.18445	-2.3205	0.021496	0.311406

KLC4;C6orf132;RSPH9;DNPH1;TRERF1	0.216099	2.324916	0.021253	0.310094
SIRPA	0.313197	2.326364	0.021173	0.309744
	0.169507	2.326923	0.021143	0.309615
PRF1	0.260915	2.329242	0.021017	0.309177
	0.248689	2.31809	0.02163	0.311657
TJP3;GIPC3;TNFAIP8L1	-0.37813	-2.32603	0.021191	0.309794
	-0.16816	-2.32581	0.021204	0.309828
	0.200892	2.327169	0.021129	0.309538
	-0.35076	-2.32727	0.021124	0.309538
	0.191444	2.319935	0.021527	0.311449
	0.21795	2.326547	0.021163	0.309735
C22orf34;MAPK12;ENSG00000213279	-0.20597	-2.3253	0.021231	0.309987
FENDRR;FOXF1	-0.26708	-2.32603	0.021192	0.309794
	-0.22971	-2.32354	0.021328	0.310586
HM13	0.168029	2.328258	0.02107	0.309292
	-0.23653	-2.32346	0.021333	0.310623
	0.210041	2.325557	0.021218	0.30989
	0.163977	2.321077	0.021464	0.311268
AQP1;PRR15;GGCT;NOD1	-0.32064	-2.32345	0.021333	0.310623
LHPP;CTBP2;DHX32	0.288673	2.326245	0.02118	0.309773
	-0.11113	-2.32706	0.021136	0.30956
	0.140962	2.326563	0.021163	0.309735
PARP11	-0.24795	-2.32318	0.021348	0.310689
	-0.25272	-2.3244	0.021281	0.310289
NBL1;KLHDC7A	-0.31169	-2.3265	0.021166	0.309735
	0.125933	2.322867	0.021365	0.310782
	-0.3229	-2.31959	0.021546	0.311496
	-0.25185	-2.3244	0.021281	0.310289
	-0.13216	-2.324	0.021303	0.310426
PIK3CD	-0.36444	-2.32428	0.021287	0.310324
	-0.21777	-2.32791	0.021089	0.309325
	-0.21866	-2.32722	0.021127	0.309538
	-0.22404	-2.32028	0.021508	0.311449
	0.211113	2.323429	0.021334	0.310631
	0.26139	2.325883	0.0212	0.309822
RNF166;CBFA2T3;PIEZO1;ENSG00000261226;SPIRE2;ENSG000				
00259881;SPATA33;ENSG00000224888	0.317909	2.323154	0.02135	0.310689
	-0.296	-2.32798	0.021085	0.309323
	-0.34222	-2.31905	0.021576	0.311618
	-0.39464	-2.32375	0.021317	0.310524
TM4SF18;ENSG00000224831;PFN2;ENSG00000268175;CP;ANK				
UB1;AGTR1;WWTR1;ENSG00000242791	-0.32661	-2.31933	0.021561	0.31154
	0.171789	2.318073	0.021631	0.311657
	0.204199	2.325399	0.021226	0.309943
	-0.14399	-2.31932	0.021561	0.31154
	-0.24085	-2.31896	0.021581	0.311618
	0.220811	2.318564	0.021603	0.311618

	-0.21594	-2.32844	0.02106	0.309292
	-0.18104	-2.32208	0.021409	0.31097
	-0.15984	-2.32372	0.021318	0.310524
ENSG00000250280;KRT18P60;MSRB3	-0.36195	-2.32224	0.0214	0.310943
	0.247396	2.327545	0.021109	0.309449
	-0.19492	-2.32011	0.021518	0.311449
ABI3;GNGT2	-0.31613	-2.32759	0.021107	0.309449
	-0.25457	-2.32418	0.021293	0.310351
	-0.14026	-2.32478	0.02126	0.310146
	0.337403	2.322223	0.021401	0.310943
MIPOL1;SFTA3	-0.36629	-2.32358	0.021326	0.310584
ENSG00000233806	0.427664	2.324484	0.021276	0.310263
	0.192994	2.317962	0.021637	0.311666
SSR3	-0.20466	-2.32286	0.021366	0.310782
	0.231886	2.320824	0.021478	0.311335
GPR124;FGFR1;RAB11FIP1	0.311628	2.325845	0.021202	0.309822
	0.268833	2.324539	0.021273	0.31024
	0.344616	2.323188	0.021348	0.310689
BCL11B;SLC25A29;EML1;CYP46A1;ENSG00000235785;RPL3P4	-0.36381	-2.32022	0.021512	0.311449
	0.253246	2.327104	0.021133	0.309555
	0.232367	2.326486	0.021167	0.309735
C1orf110;OLFML2B;DDR2;C1orf226;RGS5;NUF2;ENSG0000023				
2892	-0.37285	-2.32544	0.021224	0.309943
IGSF9B;JAM3;NTM;ENSG00000204241	0.330647	2.322882	0.021364	0.310782
	0.25585	2.319142	0.021571	0.311618
	0.288422	2.325954	0.021196	0.309822
	-0.19302	-2.32475	0.021262	0.310146
	0.290463	2.324966	0.02125	0.310082
PTPRS;RFX2;FUT3;HSD11B1L;CRB3	-0.40687	-2.3232	0.021347	0.310689
	0.167685	2.320191	0.021513	0.311449
	0.30625	2.327496	0.021112	0.309455
	-0.19652	-2.3221	0.021407	0.31097
SLC7A5	0.203348	2.324418	0.02128	0.310289
	-0.22641	-2.31828	0.021619	0.311634
MED8	-0.20957	-2.32674	0.021153	0.309689
TRAC;SLC7A7	-0.33994	-2.32683	0.021148	0.309665
DPF3	-0.20321	-2.3236	0.021325	0.310582
	-0.20532	-2.32435	0.021284	0.310309
	-0.21846	-2.32906	0.021026	0.309177
HIST2H4B;POGZ;SEMA6C;ENSA;FAM63A;GOLPH3L;PSMB4	0.346837	2.320296	0.021507	0.311449
	0.34495	2.323276	0.021343	0.310689
INHBB	0.262636	2.326249	0.02118	0.309773
	-0.17808	-2.32543	0.021225	0.309943
	0.177182	2.324961	0.02125	0.310082
CYTH3;RNF216;ENSG00000198580;EIF2AK1	0.229074	2.322019	0.021412	0.310976

	0.274309	2.324489	0.021276	0.310263
	0.201823	2.324316	0.021286	0.310323
	0.272312	2.326023	0.021192	0.309794
	0.256746	2.326234	0.021181	0.309773
PLCD4	-0.23263	-2.3214	0.021446	0.311162
	0.234737	2.32376	0.021316	0.310524
	-0.27703	-2.32512	0.021241	0.310008
BTLA;CD200R1;CD96;ZBED2;PLCXD2	-0.27761	-2.32651	0.021165	0.309735
	-0.22683	-2.32088	0.021475	0.311327
	-0.25111	-2.32445	0.021278	0.310282
ERICH1;ENSG00000272005	0.234534	2.321429	0.021445	0.311162
	-0.20251	-2.32212	0.021407	0.31097
	0.198983	2.320727	0.021483	0.311349
	-0.22577	-2.31449	0.021831	0.312571
SRRM2;TSC2	0.207511	2.323763	0.021316	0.310524
FHAD1;KAZN	0.313482	2.325725	0.021208	0.309857
PPP1R18;DDR1;GABBR1;PPP1R11;DHX16;HLA-F-AS1;NRM	0.367512	2.319707	0.02154	0.311492
	-0.24558	-2.31951	0.021551	0.3115
	0.126966	2.318351	0.021615	0.311618
RAMP3	-0.22809	-2.32023	0.021511	0.311449
	0.254768	2.322851	0.021366	0.310782
RASGRP1;FSIP1;BMF	0.31659	2.322688	0.021375	0.310816
	-0.29237	-2.32457	0.021272	0.31024
	-0.27183	-2.32617	0.021184	0.309789
	-0.30572	-2.32611	0.021187	0.309789
PHF7	-0.2379	-2.31432	0.021841	0.312579
	0.15847	2.322921	0.021362	0.310782
	-0.20465	-2.32234	0.021394	0.310892
LTBP4;AXL;PRX;PSMC4	-0.30402	-2.32512	0.021242	0.310008
TACC1;FGFR1;GPR124;DDHD2;RAB11FIP1;PPAPDC1B;WHSC1L1	0.216461	2.322347	0.021394	0.310892
	-0.28386	-2.32098	0.021469	0.311293
DENND5B	0.212933	2.320199	0.021513	0.311449
	-0.15683	-2.32255	0.021383	0.310854
ENSG00000232454	0.216498	2.322988	0.021359	0.310762
OPTN	0.410197	2.326237	0.02118	0.309773
	-0.25922	-2.31662	0.021712	0.312064
	0.221247	2.325813	0.021204	0.309828
CLMN;SNHG10;DICER1-AS1;SERPINA6	-0.27572	-2.31346	0.021889	0.312732
	-0.20079	-2.32634	0.021175	0.309753
UGGT1	0.213427	2.320049	0.021521	0.311449
	0.322952	2.318852	0.021587	0.311618
	-0.24044	-2.3217	0.02143	0.311067
PDZD2;ENSG00000272086	-0.26336	-2.32065	0.021488	0.311384
	-0.17786	-2.31994	0.021527	0.311449
HIST1H3J;HIST1H1B;HIST1H2AL	0.338348	2.325639	0.021213	0.309873

	0.212361	2.319515	0.021551	0.3115
IL1RL2;IL1RL1;IL1R2;IL18R1;MAP4K4;SLC9A4	-0.436	-2.32076	0.021482	0.311344
AOAH;ELMO1	0.254567	2.323726	0.021318	0.310524
	0.228693	2.319146	0.021571	0.311618
MYCBP;MTF1;AKIRIN1	0.226871	2.323777	0.021315	0.310524
FLI1;ARHGAP32;ETS1;SENCR	-0.26962	-2.31984	0.021533	0.311468
	-0.20632	-2.32268	0.021375	0.310816
	0.185097	2.31713	0.021683	0.311951
	-0.20089	-2.32205	0.02141	0.310976
	-0.14463	-2.3224	0.021391	0.310892
	0.316703	2.3218	0.021424	0.311017
	-0.33449	-2.32071	0.021484	0.31135
	-0.14124	-2.32545	0.021223	0.309943
	-0.27395	-2.32555	0.021218	0.30989
	0.233414	2.321108	0.021462	0.311268
	0.168734	2.324762	0.021261	0.310146
	0.34433	2.323792	0.021314	0.310524
	0.274	2.323031	0.021356	0.310753
ENSG00000240751	0.270722	2.321569	0.021437	0.311107
F10	-0.30309	-2.32525	0.021234	0.309989
	-0.25986	-2.31931	0.021562	0.31154
	0.249047	2.320534	0.021494	0.311392
EPB41L5	0.233575	2.32013	0.021517	0.311449
	-0.23414	-2.32007	0.02152	0.311449
	-0.21587	-2.32334	0.021339	0.310662
	-0.55694	-2.30511	0.022363	0.315084
TNXB;SLC44A4;C6orf10;NOTCH4;NELFE;LY6G5C;CLIC1;VWA7;E NSG00000225914;HSPA1A	0.219461	2.317786	0.021647	0.311729
	-0.45543	-2.32222	0.021401	0.310943
	0.33784	2.321052	0.021465	0.311268
	0.313537	2.324017	0.021302	0.310425
FGD2	0.206821	2.318936	0.021583	0.311618
UNC13D;ICT1;SLC16A5;MRPS7;SMIM5;SLC9A3R1	-0.27447	-2.32419	0.021293	0.310351
	-0.1684	-2.32559	0.021216	0.30989
	0.288501	2.32158	0.021436	0.311107
	0.22473	2.322204	0.021402	0.310946
	-0.33132	-2.3225	0.021386	0.310862
	-0.19612	-2.31815	0.021626	0.311657
DDR1;TRIM31;MDC1;PPP1R11;BAG6;PPP1R10;LST1;HLA-F-AS1;MICA	-0.15804	-2.31641	0.021724	0.312084
USP10;HSBP1;WFDC1;KIAA0513;ATP2C2;ENSG00000262601;E NSG00000260228;HSDL1;MBTPS1	-0.33217	-2.32371	0.021319	0.310524
	-0.19847	-2.32275	0.021372	0.310786
	-0.25483	-2.32329	0.021342	0.310689
NDUFS1;FASTKD2	-0.34255	-2.32429	0.021287	0.310324
	-0.21813	-2.31596	0.021749	0.312173
	-0.18703	-2.32191	0.021418	0.310996

	-0.19202	-2.32004	0.021522	0.311449
	-0.26197	-2.32335	0.021339	0.31066
	0.286516	2.322755	0.021371	0.310786
	0.269058	2.322587	0.021381	0.310851
TMC4;HSPBP1;DNAAF3	-0.39566	-2.32097	0.02147	0.311294
	-0.55104	-2.32476	0.021261	0.310146
LIX1L;ANKRD35;CD160	-0.30464	-2.31972	0.021539	0.311489
ZNF618;ENSG00000234692;WDR31;C9orf43;DFNB31;TNFSF15; COL27A1	0.31307	2.32516	0.021239	0.310008
CARS;CDKN1C;CD81;NAP1L4	-0.22748	-2.32522	0.021236	0.309989
	-0.1382	-2.32237	0.021393	0.310892
ENSG00000188477	-0.30636	-2.31683	0.0217	0.312045
	0.294947	2.322179	0.021403	0.310956
IGF2;MRPL23;CARS	-0.35352	-2.31997	0.021526	0.311449
	0.350844	2.325186	0.021238	0.309997
	-0.20602	-2.31808	0.02163	0.311657
FAM83H-AS1	-0.2131	-2.32301	0.021357	0.310753
	-0.2311	-2.31786	0.021643	0.311704
	0.229645	2.319773	0.021536	0.311481
LMNA;UBQLN4;BCAN;TMEM79;RAB25	-0.31705	-2.32313	0.021351	0.310689
	-0.36584	-2.32104	0.021466	0.311271
ADD2;AAK1;ANXA4;SNRPG;GFPT1	-0.26107	-2.32395	0.021306	0.310444
	0.316751	2.31991	0.021529	0.311449
TRPM2	0.286875	2.322553	0.021383	0.310854
	0.194358	2.322427	0.02139	0.310884
	0.345329	2.324657	0.021267	0.310187
	-0.22488	-2.32109	0.021463	0.311268
	0.273386	2.320124	0.021517	0.311449
	0.243015	2.322045	0.021411	0.310976
ZNF876P;ENSG00000251652	0.418668	2.320541	0.021494	0.311392
	-0.22436	-2.31966	0.021542	0.311495
	0.328629	2.323179	0.021348	0.310689
	0.251603	2.320756	0.021482	0.311344
	-0.20321	-2.32194	0.021417	0.310996
MBD5	-0.28916	-2.31753	0.021661	0.311819
	0.239545	2.322905	0.021363	0.310782
	-0.48867	-2.32123	0.021456	0.311233
SCIN	-0.43118	-2.31819	0.021624	0.311657
IFI35;RPL27;ENSG00000267221;ZNF385C	-0.28082	-2.32176	0.021427	0.31104
ABI3;GNGT2;SKAP1	-0.2863	-2.32281	0.021368	0.310782
	0.200082	2.32021	0.021512	0.311449
	0.503731	2.319357	0.021559	0.31154
	-0.24313	-2.31829	0.021619	0.311634
	-0.26795	-2.32192	0.021418	0.310996
	0.162366	2.319571	0.021548	0.311496
	-0.27013	-2.32021	0.021512	0.311449
LIN9	0.348024	2.321196	0.021458	0.311246

	0.318383	2.323014	0.021357	0.310753
	0.226762	2.321184	0.021458	0.311246
CRY2	0.162524	2.324539	0.021273	0.31024
	0.218172	2.322468	0.021387	0.310871
WNT5B	-0.21508	-2.32166	0.021432	0.311077
ENTPD1;ENTPD1-AS1;SORBS1;ENSG00000269948	-0.34624	-2.31672	0.021706	0.312064
	-0.30589	-2.32356	0.021327	0.310586
	0.242594	2.319596	0.021546	0.311496
TNK1	-0.31502	-2.32353	0.021329	0.310586
	0.203706	2.319933	0.021527	0.311449
	-0.25366	-2.32474	0.021263	0.310146
	-0.19556	-2.3164	0.021724	0.312084
	0.10838	2.313372	0.021894	0.312746
RPL13P12	-0.19448	-2.32279	0.021369	0.310782
	-0.34176	-2.32321	0.021346	0.310689
	-0.30403	-2.32352	0.021329	0.310586
	0.368801	2.323155	0.021349	0.310689
	0.196808	2.319927	0.021528	0.311449
	0.332389	2.323138	0.02135	0.310689
ENSG00000213132	-0.3634	-2.31567	0.021765	0.312285
	-0.13822	-2.31837	0.021614	0.311618
RCSD1;MPC2	-0.27734	-2.32249	0.021386	0.310862
	-0.62308	-2.3241	0.021297	0.310379
	0.113395	2.319103	0.021574	0.311618
	0.232762	2.319359	0.021559	0.31154
	-0.25363	-2.32015	0.021515	0.311449
POC1B	-0.3234	-2.32098	0.021469	0.311293
	-0.24082	-2.32153	0.021439	0.311113
MORN1;C1orf222;ANKRD65;TTLL10;TTC34;FAM213B;ENSG000				
00272106;TTLL10-AS1;ENSG00000269896	-0.2686	-2.32279	0.02137	0.310782
CEP41;KLHDC10;MEST	-0.30914	-2.31691	0.021695	0.312009
	0.178607	2.318763	0.021592	0.311618
	-0.12983	-2.32053	0.021494	0.311392
	0.252055	2.317454	0.021665	0.311859
	-0.19167	-2.32373	0.021318	0.310524
	0.289057	2.322779	0.02137	0.310782
	0.197885	2.322531	0.021384	0.310854
	0.16375	2.320451	0.021499	0.311433
	-0.21523	-2.32107	0.021464	0.311268
	0.176475	2.321255	0.021454	0.311228
	-0.40199	-2.32263	0.021378	0.310848
GPR110	-0.23116	-2.31318	0.021905	0.312762
	0.237762	2.323966	0.021305	0.310444
ENSG00000256139;GIT2	-0.33936	-2.31681	0.021701	0.312047
LY6D	-0.39569	-2.32162	0.021434	0.311089
	0.188938	2.319671	0.021542	0.311495
	-0.3209	-2.32288	0.021365	0.310782

METTL16	0.292217	2.322587	0.021381	0.310851
PCNXL4;DAAM1;LRRC9	-0.30529	-2.32171	0.021429	0.311066
SPEG;RQCD1;DES;TTLL4;STK16;STK11IP;PNKD;GLB1L;TUBA4B;				
WNT6;STK36;C2orf62	-0.27032	-2.31657	0.021715	0.312064
	-0.27893	-2.32106	0.021465	0.311268
	0.203861	2.317562	0.021659	0.311819
	0.226696	2.320893	0.021474	0.311327
	0.257506	2.316255	0.021732	0.312104
	0.165491	2.310854	0.022036	0.313158
HERC6	-0.30965	-2.31433	0.02184	0.312579
IGFBP4	0.279815	2.318192	0.021624	0.311657
MCF2L2	-0.20365	-2.31876	0.021592	0.311618
	-0.26032	-2.32454	0.021273	0.31024
	-0.2169	-2.31905	0.021577	0.311618
	0.273696	2.316841	0.0217	0.312045
	-0.19974	-2.32293	0.021362	0.310782
	-0.30814	-2.31873	0.021594	0.311618
ZNF57;TJP3;GNG7	-0.36368	-2.31973	0.021539	0.311489
PTPN7;TMEM9;CYB5R1	0.263875	2.322087	0.021408	0.31097
	0.249981	2.321095	0.021463	0.311268
	-0.17493	-2.31429	0.021843	0.312579
MT1E;COQ9	0.199799	2.31556	0.021771	0.312305
	-0.31059	-2.32125	0.021455	0.311228
	0.247089	2.322833	0.021367	0.310782
	0.24699	2.317734	0.02165	0.31176
MAP3K13;IGF2BP2	0.283098	2.322008	0.021413	0.310976
	-0.1984	-2.32029	0.021508	0.311449
	-0.20126	-2.32017	0.021514	0.311449
	0.251011	2.322027	0.021412	0.310976
	0.228815	2.319576	0.021547	0.311496
	-0.29562	-2.32009	0.021519	0.311449
ENSG00000261655;PTP4A3	0.230051	2.320849	0.021477	0.311327
	-0.21056	-2.31894	0.021583	0.311618
	0.123268	2.315218	0.02179	0.312341
	0.323819	2.312513	0.021942	0.312876
EIF6;MAP1LC3A;ERGIC3	-0.20478	-2.31883	0.021589	0.311618
ICAM1;ENSG00000175898;AP1M2	0.316937	2.319731	0.021539	0.311489
	0.264335	2.320173	0.021514	0.311449
	0.235999	2.323251	0.021344	0.310689
	0.238141	2.314471	0.021832	0.312571
HES2;CAMTA1;ESPN;TAS1R1	-0.29464	-2.31992	0.021528	0.311449
	-0.29217	-2.32193	0.021417	0.310996
	0.198854	2.320873	0.021475	0.311327
	-0.38564	-2.31985	0.021532	0.311468
ENSG00000260977	-0.35319	-2.32337	0.021337	0.310655
TBC1D4;LMO7	-0.28382	-2.32182	0.021423	0.311017
LCK	-0.26326	-2.31814	0.021627	0.311657

ARID5A;FAM178B	0.321569	2.320572	0.021492	0.311392
	0.27513	2.320042	0.021521	0.311449
	-0.16204	-2.31846	0.021609	0.311618
CYCS	0.190053	2.319445	0.021555	0.31154
	0.331521	2.321375	0.021448	0.311167
	0.151913	2.319629	0.021544	0.311496
	0.241257	2.313162	0.021906	0.312762
ENSG00000254664;TSPAN18;ALX4	-0.28496	-2.31803	0.021633	0.311666
	0.166477	2.318667	0.021598	0.311618
	0.253535	2.319321	0.021561	0.31154
	0.285993	2.315899	0.021752	0.312194
	0.327063	2.318493	0.021607	0.311618
TGM2	-0.3146	-2.32064	0.021488	0.311384
FAU	0.156303	2.321628	0.021434	0.311089
DBNL	0.25053	2.317548	0.02166	0.311819
	-0.16516	-2.31837	0.021614	0.311618
	-0.15965	-2.31453	0.021829	0.312571
	-0.26456	-2.31996	0.021526	0.311449
NRTN;RFX2;ENSG00000266983;ENSG00000267262	0.41292	2.317801	0.021646	0.311729
	0.19216	2.318779	0.021592	0.311618
	0.206288	2.310691	0.022045	0.313215
	0.170442	2.314046	0.021856	0.312617
	-0.31176	-2.3173	0.021674	0.311908
	0.163118	2.321872	0.02142	0.311001
	-0.26326	-2.32168	0.021431	0.311074
	0.24596	2.319408	0.021557	0.31154
	-0.15647	-2.32085	0.021477	0.311327
	0.273197	2.321084	0.021464	0.311268
	0.216999	2.31767	0.021653	0.31178
	-0.15709	-2.31619	0.021736	0.312116
MCAT;SMDT1;NFAM1;BIK;CENPM;ACO2;TTLL1;XRCC6	0.28536	2.312361	0.021951	0.31291
	-0.35249	-2.32152	0.02144	0.311113
ALDH3B2;GSTP1;CDK2AP2;PELI3;CARNS1	-0.27251	-2.32246	0.021388	0.310871
FMNL3;ASIC1;SPATS2;TMBIM6;SLC11A2	-0.25383	-2.31965	0.021543	0.311495
ASNA1	-0.15558	-2.32054	0.021494	0.311392
SLC44A4;NELFE;NOTCH4;TNXB;CLIC1	-0.22498	-2.31641	0.021724	0.312084
	0.295506	2.321419	0.021445	0.311162
CTSS;GOLPH3L;SEMA6C;CGN;POGZ;SELENBP1;PRPF3;THEM4	-0.29487	-2.31658	0.021714	0.312064
	0.281237	2.314757	0.021816	0.312546
	0.251384	2.322254	0.021399	0.310943
POFUT2	0.25811	2.317154	0.021682	0.311942
	-0.17602	-2.31649	0.021719	0.312084
	-0.22491	-2.32184	0.021422	0.311016
	-0.28547	-2.31834	0.021616	0.311618
	0.223679	2.320382	0.021503	0.311449
	-0.23216	-2.31892	0.021584	0.311618

SKP2	0.376784	2.315991	0.021747	0.312173
EFTUD1P1	0.344577	2.322542	0.021383	0.310854
	0.261793	2.311589	0.021995	0.313013
	-0.25798	-2.31576	0.02176	0.312274
	0.255015	2.318528	0.021606	0.311618
MVP;CORO1A;QPRT;ENSG00000260219;PPP4C;ITGAL;SPN;C16orf93;SETD1A;SEPHS2;ZNF629	-0.35066	-2.31642	0.021723	0.312084
TMX2	0.250338	2.319522	0.02155	0.3115
	-0.18679	-2.31644	0.021722	0.312084
	-0.19715	-2.31463	0.021823	0.312562
	0.190632	2.320754	0.021482	0.311344
	0.261238	2.318982	0.02158	0.311618
	0.135232	2.321943	0.021416	0.310996
COL18A1;ADARB1;LRRC3;COL18A1-AS1;ICOSLG;PCBP3;LRRC3DN;TRPM2	0.330426	2.317004	0.02169	0.312009
	0.252229	2.318935	0.021583	0.311618
DDX28;ATP6V0D1;CBFB	0.191832	2.315331	0.021784	0.312332
HLA-DOB	-0.2071	-2.31849	0.021608	0.311618
	0.428873	2.319911	0.021529	0.311449
ENSG00000225649	0.349962	2.320544	0.021494	0.311392
	-0.12454	-2.31443	0.021834	0.312574
	-0.15648	-2.31982	0.021534	0.311468
	-0.14626	-2.31873	0.021594	0.311618
	0.288804	2.321356	0.021449	0.311172
	0.305188	2.318465	0.021609	0.311618
SLC39A7	0.200948	2.316016	0.021746	0.312163
	-0.25413	-2.30858	0.022165	0.313839
GRAMD1A	-0.18894	-2.31692	0.021695	0.312009
ENSG00000225914	0.224748	2.319124	0.021572	0.311618
	0.148269	2.319924	0.021528	0.311449
	-0.19967	-2.31604	0.021744	0.312153
TCF21;EYA4	-0.39626	-2.32152	0.021439	0.311113
	-0.30138	-2.31858	0.021603	0.311618
	0.267152	2.321271	0.021453	0.311228
ENSG00000183291	0.185428	2.316375	0.021726	0.312085
	0.215084	2.320045	0.021521	0.311449
	0.290876	2.320091	0.021519	0.311449
	0.268363	2.314378	0.021837	0.312579
	-0.22076	-2.31678	0.021703	0.312056
	0.124046	2.318687	0.021597	0.311618
PIGP	0.275423	2.318386	0.021613	0.311618
	0.31067	2.315937	0.02175	0.312185
	0.260148	2.314796	0.021814	0.312525
	0.299923	2.322098	0.021408	0.31097
	0.323766	2.314206	0.021847	0.312594
TACC2	0.18227	2.31695	0.021693	0.312009

C1orf216;ADPRHL2;TEKT2;OSCP1;ENSG00000201448;STK40;C				
OL8A2	-0.25632	-2.31098	0.022029	0.313138
	-0.38919	-2.31836	0.021615	0.311618
	-0.19557	-2.31843	0.021611	0.311618
	0.159901	2.319518	0.02155	0.3115
	0.232676	2.319921	0.021528	0.311449
NKD2;PDCD6;TRIP13;AHRR	0.320887	2.305319	0.022351	0.314975
	-0.14312	-2.31861	0.021601	0.311618
	0.39276	2.319415	0.021556	0.31154
	0.211207	2.318178	0.021625	0.311657
	-0.445	-2.31887	0.021587	0.311618
BACH2	-0.23746	-2.31849	0.021608	0.311618
	-0.41307	-2.31895	0.021582	0.311618
	0.137172	2.308852	0.02215	0.31379
	0.240272	2.317439	0.021666	0.31186
ABAT	-0.29411	-2.31182	0.021982	0.313013
	0.248774	2.314659	0.021822	0.312552
	0.301	2.317956	0.021637	0.311666
	-0.1782	-2.31733	0.021672	0.311908
	-0.44398	-2.31989	0.02153	0.311449
POLR2H	-0.29195	-2.31877	0.021592	0.311618
	0.314515	2.319817	0.021534	0.311468
	0.188203	2.316428	0.021723	0.312084
	-0.16989	-2.31842	0.021611	0.311618
	0.214684	2.315574	0.02177	0.312305
PMEPA1	-0.20235	-2.31496	0.021805	0.312465
NLRP2;GP6	-0.3108	-2.31725	0.021677	0.311921
ENSG00000260337;FAM174B;ENSG00000258676	-0.38506	-2.31877	0.021592	0.311618
PIGT;TOMM34	0.199442	2.315181	0.021792	0.312342
	0.314878	2.319905	0.021529	0.311449
ENSG00000236537	0.192228	2.317517	0.021662	0.311819
	0.30222	2.31622	0.021734	0.312104
PSMG3;CYP2W1	-0.364	-2.3145	0.02183	0.312571
	-0.2327	-2.31858	0.021602	0.311618
	-0.26208	-2.31662	0.021712	0.312064
	-0.16207	-2.31902	0.021578	0.311618
	0.266003	2.318136	0.021627	0.311657
	-0.24665	-2.31808	0.02163	0.311657
	-0.17636	-2.31871	0.021595	0.311618
	-0.3459	-2.32075	0.021482	0.311344
	0.204477	2.320554	0.021493	0.311392
	0.184995	2.319217	0.021567	0.311591
	-0.2295	-2.31959	0.021547	0.311496
IFT80	-0.24781	-2.3139	0.021864	0.312658
	0.129737	2.316339	0.021728	0.312087
SCARB1	-0.34167	-2.32093	0.021472	0.311315
	-0.29622	-2.30778	0.022211	0.314104

	-0.24006	-2.31325	0.021901	0.312762
ENSG00000232482	-0.21597	-2.31402	0.021858	0.312617
	0.217546	2.315674	0.021765	0.312285
	0.268616	2.32038	0.021503	0.311449
	0.199177	2.313172	0.021905	0.312762
EPX;MSI2;MKS1;GDPD1;TEX14	0.326412	2.318525	0.021606	0.311618
SFMBT2;ITIH5	-0.22178	-2.31771	0.021651	0.311761
	-0.15375	-2.31132	0.02201	0.313107
	-0.17768	-2.31789	0.021641	0.311686
	-0.21403	-2.31474	0.021817	0.312548
GPATCH8	0.181058	2.318995	0.02158	0.311618
	0.218726	2.31847	0.021609	0.311618
	-0.2603	-2.31274	0.021929	0.312804
	-0.30626	-2.31488	0.021809	0.312495
TJP3;APBA3;S1PR4;MPND;ZFR2	-0.16733	-2.31612	0.02174	0.312121
	0.184204	2.319405	0.021557	0.31154
	0.210241	2.319292	0.021563	0.311541
	-0.18625	-2.32025	0.02151	0.311449
	0.307716	2.319023	0.021578	0.311618
LLPH	0.309071	2.315539	0.021772	0.312305
	0.323255	2.31978	0.021536	0.311481
	-0.34518	-2.31679	0.021702	0.312054
	0.173468	2.318316	0.021617	0.311629
	-0.23848	-2.31876	0.021592	0.311618
	-0.33102	-2.32079	0.02148	0.311344
	-0.30205	-2.31998	0.021525	0.311449
	0.138995	2.314278	0.021843	0.312579
	-0.31049	-2.31904	0.021577	0.311618
LIMK1	0.1852	2.31716	0.021682	0.311942
ENSG00000265798	-0.27614	-2.31634	0.021727	0.312087
	-0.19733	-2.30661	0.022277	0.314555
	0.194679	2.315194	0.021792	0.312341
	0.283137	2.316117	0.02174	0.312121
	-0.1649	-2.31525	0.021788	0.312334
EPCAM;ENSG00000260977;CALM2	-0.33723	-2.31628	0.021731	0.312104
	0.314792	2.313667	0.021877	0.312668
	0.147754	2.317308	0.021673	0.311908
	-0.18104	-2.31665	0.02171	0.312064
CLUAP1;PAQR4;PDPK1	0.310584	2.318476	0.021608	0.311618
	0.189459	2.316567	0.021715	0.312064
RNF166	-0.24102	-2.3178	0.021646	0.311729
	0.288496	2.318159	0.021626	0.311657
	0.384633	2.319683	0.021541	0.311495
	0.206618	2.315905	0.021752	0.312194
	-0.20498	-2.31627	0.021731	0.312104
	0.281477	2.316095	0.021741	0.312121
	0.23772	2.315256	0.021788	0.312334

FLYWCH1	-0.15964	-2.31856	0.021604	0.311618
KIF21B;ENSG00000249007	0.131296	2.318372	0.021614	0.311618
	0.246426	2.314949	0.021805	0.312465
RHOJ;SYNE2;SPTB;HSPA2;AKAP5	0.230424	2.310478	0.022057	0.313272
ARPC5	0.298655	2.317646	0.021655	0.311789
SH3RF1	-0.29615	-2.31856	0.021604	0.311618
NME4	-0.353	-2.31931	0.021562	0.31154
	-0.24918	-2.31333	0.021896	0.312752
STIP1;MRPL49;MALAT1	-0.24931	-2.31798	0.021636	0.311666
	-0.31415	-2.31184	0.02198	0.313013
	0.157697	2.316727	0.021706	0.312064
CLDN7;ACAP1;NLRP1;TXNDC17	-0.3346	-2.31466	0.021822	0.312552
	-0.35913	-2.31658	0.021714	0.312064
CCDC17;ENSG00000236476;TSPAN1;IPP;CYP4B1;MOB3C;CYP4X1;MKNK1;PRDX1;PIK3R3;ENSG00000225154;ENSG00000230896;GPBP1L1	-0.39351	-2.31624	0.021733	0.312104
	0.17369	2.317077	0.021686	0.311973
	0.40815	2.319094	0.021574	0.311618
	0.1346	2.314146	0.02185	0.31261
	0.256746	2.311698	0.021988	0.313013
ABI3BP;NXPE3;NFKBIZ;CEP97	0.371639	2.315974	0.021748	0.312173
	-0.32841	-2.31874	0.021594	0.311618
ZNF79	0.14923	2.316616	0.021712	0.312064
	-0.24687	-2.31643	0.021722	0.312084
	0.298016	2.314136	0.021851	0.31261
	0.357349	2.314821	0.021813	0.312516
IL10RA;AMICA1;CBL;CD3G	0.365076	2.318079	0.021631	0.311657
UQCRFS1	0.227318	2.318465	0.021609	0.311618
	0.173416	2.317957	0.021637	0.311666
FNIP2;RXFP1;PPID	0.298157	2.313602	0.021881	0.3127
CYTIP;ACVR1C	-0.30697	-2.31548	0.021775	0.312329
	-0.2995	-2.31684	0.021699	0.312045
	-0.19907	-2.31317	0.021905	0.312762
	-0.2762	-2.31435	0.021839	0.312579
	-0.16498	-2.3182	0.021624	0.311657
	-0.30267	-2.31541	0.02178	0.312332
	-0.3993	-2.31901	0.021579	0.311618
SULT1B1	0.270759	2.314058	0.021855	0.312617
	0.251291	2.315621	0.021768	0.312302
ENSG00000225417;C20orf26;NAA20	0.412345	2.317288	0.021675	0.311908
	0.243258	2.312873	0.021922	0.312804
GRASP;ACVRL1	0.194408	2.317523	0.021661	0.311819
	0.311904	2.314671	0.021821	0.312552
	-0.26851	-2.31333	0.021896	0.312752
GCLC;TRAM2;EFHC1;GSTA1;TMEM14A;GSTA3;ENSG00000216775;ENSG00000220377	-0.36539	-2.31462	0.021824	0.312563
	0.186315	2.315793	0.021758	0.312259

	-0.30859	-2.31453	0.021829	0.312571
SCAMP2;COX5A;CSK;ISLR;C15orf59;ISLR2;STRA6;NPTN	-0.21723	-2.3108	0.022039	0.313158
FAM211A-AS1	-0.21306	-2.315	0.021802	0.312445
	-0.21385	-2.30415	0.022418	0.315244
	0.235595	2.312713	0.021931	0.312819
SMTN;UQCR10;ENSG00000198832;DUSP18;EIF4ENIF1;SEC14L3;CCDC157	-0.29056	-2.31309	0.02191	0.312785
	-0.29805	-2.31084	0.022037	0.313158
	-0.16846	-2.31625	0.021732	0.312104
DYSF	0.210988	2.314851	0.021811	0.312502
	0.240498	2.313718	0.021875	0.312666
	-0.18728	-2.31149	0.022	0.313015
	-0.18239	-2.31705	0.021688	0.311984
	0.286962	2.316918	0.021695	0.312009
	0.261619	2.31385	0.021867	0.312658
	0.337739	2.317964	0.021637	0.311666
	0.281062	2.315567	0.021771	0.312305
	0.193208	2.317203	0.021679	0.311934
	0.24323	2.315747	0.021761	0.312275
IRF4	0.37018	2.317975	0.021636	0.311666
ENSG00000229951	-0.34606	-2.31697	0.021693	0.312009
FLRT1;RARRES3	0.374991	2.316924	0.021695	0.312009
	-0.26614	-2.31355	0.021884	0.312721
	-0.24798	-2.31386	0.021866	0.312658
	0.392212	2.317624	0.021656	0.311792
	0.211774	2.315315	0.021785	0.312332
	-0.3569	-2.31181	0.021982	0.313013
	0.155484	2.316226	0.021734	0.312104
UBASH3A	0.310687	2.317209	0.021679	0.311934
	-0.25118	-2.31217	0.021961	0.31291
	0.325312	2.317268	0.021676	0.311914
	0.285058	2.315428	0.021779	0.312332
PLCH1;RPL6P7;PLCH1-AS1	0.233674	2.315299	0.021786	0.312332
	0.245111	2.311333	0.022009	0.313107
ARMC9;SNORD20;ENSG00000224376	-0.2672	-2.31308	0.02191	0.312785
	0.226423	2.312199	0.02196	0.31291
F11R;SDHC;ADAMTS4;PVRL4;TSTD1;ATP1A2;MPZ	-0.14089	-2.31612	0.02174	0.312121
RPL21P75;TWISTNB	-0.20697	-2.31892	0.021584	0.311618
RPL34P18	-0.20208	-2.31717	0.021681	0.311942
	0.239732	2.318004	0.021635	0.311666
	0.228284	2.312589	0.021938	0.312853
	-0.16193	-2.31616	0.021738	0.312121
	-0.15144	-2.31552	0.021773	0.312312
	0.117113	2.317308	0.021673	0.311908
	0.162781	2.314307	0.021841	0.312579
	0.145815	2.318229	0.021622	0.311657

COL5A3;KANK2;RGL3;AP1M2;PDE4A;CNN1;DOCK6;ZNF441;CDKN2D;DNMT1;UBL5	0.321881	2.311136	0.02202	0.313107
PSME2	0.324186	2.313064	0.021911	0.312785
	0.289449	2.315694	0.021764	0.312285
	-0.31589	-2.31792	0.021639	0.311675
	-0.15747	-2.31672	0.021706	0.312064
RPA3;RNF216;CYTH3;ZDHHC4	-0.27339	-2.31218	0.021961	0.31291
ITGB2;TRPM2;ICOSLG;COL18A1;ADARB1	0.301963	2.314117	0.021852	0.31261
	-0.24609	-2.31319	0.021904	0.312762
	0.128735	2.311636	0.021992	0.313013
	-0.21325	-2.31793	0.021639	0.311675
	0.370898	2.31844	0.02161	0.311618
	-0.22906	-2.31658	0.021714	0.312064
BICC1	-0.28826	-2.31442	0.021835	0.312574
	0.204706	2.312426	0.021947	0.312893
	0.114425	2.314461	0.021833	0.312571
	0.325392	2.312631	0.021936	0.312853
	-0.1757	-2.31454	0.021828	0.312571
TCTN2;DNAH10;DHX37	-0.16544	-2.31312	0.021908	0.312773
	-0.16914	-2.31665	0.02171	0.312064
	-0.19885	-2.30938	0.02212	0.313545
	0.279737	2.315016	0.021802	0.312445
C1orf174	0.352802	2.313849	0.021867	0.312658
	-0.20857	-2.31377	0.021872	0.312666
ZNF627;CCDC151;ZNF440;ZNF844;AP1M2;ZNF20;ELOF1;DOCK6;KRI1;ZNF69	-0.25926	-2.31368	0.021876	0.312666
	-0.20519	-2.31128	0.022012	0.313107
COL5A3;AP1M2;UBL5;ZNF627;KANK2;DOCK6;CNN1;PDE4A	-0.39511	-2.31182	0.021981	0.313013
AKR7A2;KLHDC7A;ARHGEF10L	-0.35661	-2.31126	0.022013	0.313107
	0.257824	2.306	0.022312	0.314832
	-0.2109	-2.31153	0.021998	0.313013
	-0.23148	-2.31277	0.021928	0.312804
	-0.26538	-2.31281	0.021926	0.312804
	0.290041	2.315112	0.021796	0.312386
	0.270357	2.312254	0.021957	0.31291
	-0.20215	-2.31487	0.02181	0.312495
APEH;BSN;DOCK3;VPRBP	-0.24595	-2.31534	0.021783	0.312332
	-0.34246	-2.31404	0.021856	0.312617
	0.212049	2.315342	0.021783	0.312332
	0.260033	2.316333	0.021728	0.312087
TULP3;CACNA1C;TSPAN9;CCND2;PARP11;PRMT8	0.238592	2.317709	0.021651	0.311761
LY6D	-0.64753	-2.3153	0.021786	0.312332
	0.171025	2.315416	0.021779	0.312332
SYT15;ENSG00000231187	0.234608	2.317116	0.021684	0.311952
DECR2	0.166859	2.313149	0.021907	0.312762
ARHGEF25;ENSG00000224713	0.323916	2.313148	0.021907	0.312762

LDHAP7	0.242976	2.314096	0.021853	0.312617
CSPG4P12;EFTUD1P1	-0.2825	-2.31168	0.021989	0.313013
SLC39A7;PSMB8	0.195003	2.311875	0.021978	0.313013
	0.179845	2.316558	0.021715	0.312064
	-0.22251	-2.31247	0.021945	0.312877
CCDC88B;SIPA1;FERMT3;BATF2	-0.303	-2.31615	0.021738	0.312121
	-0.18406	-2.3173	0.021674	0.311908
	-0.33836	-2.31852	0.021606	0.311618
C11orf49;MAPK8IP1	-0.19529	-2.31222	0.021959	0.31291
	-0.24036	-2.31195	0.021974	0.312991
	0.197683	2.310405	0.022062	0.313299
	-0.37057	-2.31643	0.021722	0.312084
	-0.27699	-2.3161	0.021741	0.312121
	0.261647	2.312803	0.021926	0.312804
MEOX1;AOC3;CNTNAP1;ATP6V0A1;RAMP2;PTRF;BRCA1	-0.22623	-2.3122	0.02196	0.31291
	-0.14332	-2.31569	0.021764	0.312285
CRB3;ARRDC5	0.233416	2.313686	0.021876	0.312666
	-0.47658	-2.31491	0.021807	0.312485
	-0.21219	-2.31736	0.02167	0.311908
PCDHB15	0.329623	2.310921	0.022032	0.313145
EHF;ABTB2;CAPRIN1;ENSG00000184566;TRIM44	-0.32203	-2.31089	0.022034	0.313151
SNX19	0.250851	2.315235	0.021789	0.31234
	-0.32279	-2.31543	0.021778	0.312332
SNORA60	-0.20632	-2.31024	0.022071	0.313357
PNLDC1	-0.1998	-2.30828	0.022182	0.313916
EPN3	-0.31119	-2.31279	0.021927	0.312804
NEDD9;TMEM14B;C6orf52;SYCP2L;MAK	0.401889	2.312146	0.021963	0.31291
	0.246953	2.312116	0.021965	0.312923
	-0.23732	-2.31331	0.021898	0.312759
DLG2	0.297526	2.313733	0.021874	0.312666
	-0.35404	-2.31639	0.021725	0.312084
WDR45B	0.318558	2.313458	0.021889	0.312732
	0.204498	2.310482	0.022057	0.313272
	0.30626	2.310771	0.022041	0.313161
	0.3185	2.316569	0.021715	0.312064
TIAF1;PIGS	-0.27525	-2.31453	0.021829	0.312571
FAM41C	0.182281	2.313883	0.021865	0.312658
	0.288771	2.314074	0.021854	0.312617
	0.361696	2.315469	0.021776	0.31233
RNASEL	0.170675	2.315874	0.021754	0.312204
	0.307387	2.312003	0.021971	0.312972
	0.248982	2.313363	0.021894	0.312746
	-0.13622	-2.31565	0.021766	0.312292
LINC00482;RNF213;NOTUM	-0.34602	-2.31302	0.021914	0.312785
MACC1	0.264246	2.311782	0.021984	0.313013
	-0.27058	-2.31209	0.021966	0.312936
	-0.21717	-2.31059	0.022051	0.313228

	0.1878	2.315354	0.021783	0.312332
	0.311206	2.314202	0.021847	0.312594
	0.189781	2.313377	0.021894	0.312746
	0.292068	2.315551	0.021772	0.312305
	0.217914	2.315007	0.021802	0.312445
	0.165393	2.314172	0.021849	0.312608
	-0.33314	-2.31659	0.021713	0.312064
	0.33381	2.31064	0.022048	0.313228
	0.288791	2.312692	0.021932	0.312825
	-0.18423	-2.31299	0.021916	0.312785
ATG9B	0.288406	2.316927	0.021695	0.312009
ATPIF1;TRNAU1AP;CD164L2;TMEM200B;ENSG00000270605;F				
AM76A;MED18;WDTC1;IFI6;AHDC1	-0.27168	-2.31375	0.021873	0.312666
	-0.3024	-2.31559	0.021769	0.312305
	0.256906	2.313485	0.021888	0.312732
	-0.26902	-2.31147	0.022001	0.313015
	0.196632	2.312888	0.021921	0.312804
	-0.23407	-2.30945	0.022116	0.313509
	0.314278	2.3152	0.021791	0.312341
	-0.29007	-2.31528	0.021787	0.312334
	-0.19775	-2.31648	0.02172	0.312084
	0.221665	2.31301	0.021914	0.312785
	-0.15633	-2.31298	0.021916	0.312785
	0.227833	2.311541	0.021997	0.313013
GIT2;SH2B3;HVCN1	0.374627	2.314273	0.021843	0.312579
INPP4A;ZAP70	0.224189	2.315715	0.021762	0.312285
SMAD5-AS1	0.284078	2.311719	0.021987	0.313013
ZBTB49	-0.18566	-2.31266	0.021934	0.312838
AMICA1;CBL;ENSG00000254561	0.359923	2.308448	0.022173	0.313867
	0.134528	2.303323	0.022466	0.315397
C17orf72;ICAM2;MAP3K3;CYB561;ENSG00000264954;ENSG00				
000263883;TANC2;ERN1	-0.2363	-2.30588	0.022319	0.314852
	0.18447	2.313901	0.021864	0.312658
C1orf116;FAIM3;PFKFB2	-0.36569	-2.31424	0.021845	0.312594
	0.198352	2.311015	0.022027	0.313138
	0.16741	2.313879	0.021865	0.312658
	0.125252	2.30997	0.022086	0.313357
	0.259457	2.309538	0.022111	0.313487
UBE2Q2P1;EFTUD1P1	0.269433	2.311058	0.022025	0.313138
FZD8	-0.35952	-2.30964	0.022105	0.313465
TXNDC11;SNX29;GRIN2A;LITAF	0.211075	2.310156	0.022076	0.313357
ENSG00000229951	-0.26618	-2.3113	0.022011	0.313107
	0.253605	2.313148	0.021907	0.312762
	0.222659	2.311599	0.021994	0.313013
KDELR2	0.176529	2.311259	0.022013	0.313107
FAM115B	0.172244	2.313793	0.02187	0.312666
	-0.13252	-2.31457	0.021826	0.312571

LSM4	0.318199	2.313714	0.021875	0.312666
FSCN1	-0.37588	-2.30997	0.022086	0.313357
PCYT2;SLC25A10;BAIAP2;LRRC45;ENSG00000265678	-0.24238	-2.31324	0.021901	0.312762
TRPM2	0.303677	2.31365	0.021878	0.312672
WDR55;DIAPH1	0.243454	2.314289	0.021842	0.312579
	-0.26667	-2.31374	0.021873	0.312666
	0.205827	2.304112	0.022421	0.315244
	0.279943	2.310204	0.022073	0.313357
SLC41A1;RASSF5;PIGR	-0.22724	-2.30949	0.022114	0.313508
	-0.30595	-2.31196	0.021974	0.312991
INPP5D;DGKD;PTMA	-0.30644	-2.31316	0.021906	0.312762
MLLT4;ENSG00000228648;ENSG00000231720	0.339785	2.312616	0.021937	0.312853
PDLIM3	0.209452	2.311225	0.022015	0.313107
NOVA2;DACT3	0.159358	2.31457	0.021827	0.312571
PIGU;ERGIC3;GSS;DYNLRB1	-0.38689	-2.31399	0.021859	0.312627
	-0.21671	-2.30907	0.022137	0.313696
	0.345803	2.311837	0.021981	0.313013
ENSG00000261659	0.301654	2.315347	0.021783	0.312332
	0.288088	2.308462	0.022172	0.313867
ENSG00000234648	0.343338	2.311543	0.021997	0.313013
	0.266809	2.313025	0.021914	0.312785
	-0.1536	-2.31445	0.021833	0.312571
	-0.33272	-2.31079	0.02204	0.313158
	-0.14681	-2.31468	0.021821	0.312552
	0.182629	2.31278	0.021927	0.312804
	-0.34023	-2.31299	0.021915	0.312785
	-0.28359	-2.30879	0.022153	0.313805
	0.267922	2.307568	0.022223	0.314159
	0.359679	2.313912	0.021864	0.312658
	0.165752	2.305609	0.022335	0.314964
	0.156092	2.314728	0.021818	0.312548
	-0.328	-2.31083	0.022038	0.313158
	-0.16227	-2.31082	0.022038	0.313158
ENSG00000228242;ENSG00000251576	0.280949	2.307281	0.022239	0.314287
	0.209431	2.314474	0.021832	0.312571
	0.279287	2.313266	0.0219	0.312762
PLEKHG2	0.279171	2.314669	0.021821	0.312552
IFT43;ENSG00000259319;CIPC;VASH1	0.241568	2.31429	0.021842	0.312579
	0.246703	2.311307	0.02201	0.313107
	-0.5388	-2.30709	0.02225	0.314399
	0.2008	2.314227	0.021846	0.312594
	0.180751	2.312554	0.02194	0.312863
	0.283857	2.307585	0.022222	0.314156
	0.270002	2.31171	0.021988	0.313013
HCP5	-0.23391	-2.31215	0.021963	0.31291
	0.312915	2.312187	0.021961	0.31291
	0.23209	2.310229	0.022071	0.313357

	0.314342	2.307673	0.022217	0.314149
B3GNT3;CRTC1;ENSG00000259242	0.302479	2.313431	0.021891	0.312733
	-0.26114	-2.31291	0.02192	0.312804
	-0.31528	-2.31049	0.022057	0.313272
	0.191719	2.305324	0.022351	0.314975
	0.215808	2.312511	0.021942	0.312876
	-0.13254	-2.31	0.022084	0.313357
	-0.32189	-2.31278	0.021927	0.312804
GFRA1;KIAA1598;ENSG00000225302	0.308902	2.312586	0.021938	0.312853
	0.177339	2.312924	0.021919	0.312804
	0.184254	2.312169	0.021962	0.31291
TMC8;TMC6;ST6GALNAC2;RHBDF2	-0.31179	-2.3129	0.02192	0.312804
	-0.14953	-2.31116	0.022019	0.313107
	-0.24006	-2.30875	0.022155	0.313819
	-0.28084	-2.30633	0.022293	0.314668
	-0.18134	-2.30666	0.022274	0.314526
	-0.21956	-2.31373	0.021874	0.312666
	0.14132	2.312209	0.021959	0.31291
	-0.211	-2.30538	0.022348	0.314964
	0.139869	2.304377	0.022405	0.315242
	-0.20404	-2.30807	0.022194	0.314012
	-0.19912	-2.31531	0.021785	0.312332
	0.210594	2.313466	0.021889	0.312732
	-0.21865	-2.31229	0.021955	0.31291
PSMB7	-0.25342	-2.31285	0.021923	0.312804
	0.224414	2.311243	0.022014	0.313107
	-0.23344	-2.31159	0.021994	0.313013
RPS3AP25	0.296272	2.308981	0.022142	0.313717
PCDH12;SPRY4	0.316171	2.312277	0.021956	0.31291
SKI;MORN1;ENSG00000269896;C1orf222	0.267432	2.300311	0.02264	0.316001
	-0.23511	-2.31042	0.022061	0.313299
	0.218094	2.313049	0.021912	0.312785
CPSF3;KLF11;CYS1	0.274946	2.310417	0.022061	0.313299
FRAS1	0.341641	2.310261	0.02207	0.313357
	-0.38877	-2.31344	0.02189	0.312733
	0.166461	2.310252	0.02207	0.313357
	-0.19791	-2.30988	0.022091	0.313404
	0.225997	2.313582	0.021882	0.312706
TOR3A	-0.22787	-2.31157	0.021996	0.313013
	-0.32464	-2.31402	0.021857	0.312617
	-0.34253	-2.31096	0.02203	0.313143
	0.202078	2.3083	0.022181	0.313916
	0.233333	2.309772	0.022097	0.313428
	0.256528	2.312228	0.021958	0.31291
	0.196582	2.313684	0.021876	0.312666
SLC22A23;SERPINB6;ENSG00000233068	-0.33157	-2.31117	0.022018	0.313107
SDR16C5;XKR4;SBF1P1;LYN;TMEM68;LINC00968	-0.33304	-2.31165	0.021991	0.313013

RPS14	0.163043	2.314339	0.02184	0.312579
	0.363082	2.311878	0.021978	0.313013
	0.235069	2.304078	0.022423	0.315244
	-0.24382	-2.29902	0.022715	0.316349
	0.25768	2.313683	0.021876	0.312666
	0.178748	2.311902	0.021977	0.313013
	-0.1426	-2.31287	0.021922	0.312804
	-0.24972	-2.30367	0.022446	0.315337
	0.268578	2.312407	0.021948	0.312898
	0.240758	2.312806	0.021926	0.312804
	-0.19628	-2.3112	0.022016	0.313107
	0.273208	2.310068	0.022081	0.313357
	-0.26892	-2.31346	0.021889	0.312732
	0.256749	2.311107	0.022022	0.31312
SLC17A9	-0.18581	-2.30997	0.022086	0.313357
SPDYA;ALK	-0.28682	-2.31155	0.021997	0.313013
RCAN2	-0.25705	-2.31039	0.022062	0.313303
	-0.30157	-2.31153	0.021998	0.313013
	-0.21827	-2.30804	0.022196	0.314016
TBX5;TBX5-AS1;TBX3	-0.27324	-2.3095	0.022113	0.313508
	-0.18895	-2.31036	0.022064	0.313317
	0.302089	2.311091	0.022023	0.313122
ENSG00000262601;USP10;HSDL1	0.238909	2.310936	0.022031	0.313143
NLGN2;BCL6B;NLRP1;KCTD11;XAF1;ACAP1;SLC16A11;RPL7AP6 4;KIAA0753	0.251712	2.312038	0.021969	0.312955
NOTCH4;C6orf10;ZBTB9;HSD17B8;SYNGAP1;PFDN6;ENSG0000 0225914;RGL2	-0.31411	-2.30829	0.022182	0.313916
WNT7B;ENSG00000234869;CELSR1;CERK	-0.33911	-2.31116	0.022019	0.313107
	0.254404	2.309653	0.022104	0.313465
CBFA2T3;SPIRE2;ENSG00000261226	-0.34151	-2.31155	0.021997	0.313013
	0.260522	2.311677	0.02199	0.313013
TXNRD1	0.315827	2.306689	0.022273	0.314516
	0.239302	2.308665	0.02216	0.313839
	0.192114	2.309547	0.02211	0.313487
FAM13C;PHYHIPL;ENSG00000236556	-0.2519	-2.30628	0.022296	0.314679
	-0.23227	-2.30998	0.022086	0.313357
ENSG00000253161	-0.18065	-2.30845	0.022173	0.313867
	-0.15754	-2.30905	0.022138	0.313696
NCOA7-AS1	-0.35951	-2.30442	0.022403	0.315236
	0.304332	2.312459	0.021945	0.312877
	0.262365	2.311025	0.022026	0.313138
LPCAT1;TPPP;NKD2;ZDHHC11B	-0.28627	-2.30763	0.022219	0.314152
	-0.15389	-2.30682	0.022265	0.314492
	0.429793	2.312478	0.021944	0.312877
	-0.20348	-2.31089	0.022034	0.313151
SPIRE2;RNF166;GAS8;SPATA33;URAHP	-0.32273	-2.31168	0.02199	0.313013
	-0.14479	-2.30987	0.022092	0.313404

	0.161771	2.306038	0.02231	0.314811
C3;STXBP2	-0.73291	-2.31234	0.021952	0.31291
	0.304187	2.311502	0.021999	0.313015
	-0.31761	-2.31413	0.021852	0.31261
	0.189202	2.311	0.022028	0.313138
	-0.23663	-2.30468	0.022388	0.315141
	0.255451	2.310022	0.022083	0.313357
	0.270542	2.310131	0.022077	0.313357
GRK4	0.218891	2.310079	0.02208	0.313357
	0.201599	2.311481	0.022001	0.313015
FAM35A;ATAD1	-0.38459	-2.31103	0.022026	0.313138
	-0.24598	-2.31099	0.022029	0.313138
	0.182398	2.311742	0.021986	0.313013
	0.239548	2.307239	0.022242	0.314311
	0.35788	2.307894	0.022204	0.314048
	0.233347	2.307023	0.022254	0.314433
	0.312402	2.31018	0.022074	0.313357
	-0.15809	-2.3101	0.022079	0.313357
SLC20A2	0.243446	2.311141	0.02202	0.313107
	-0.19671	-2.30791	0.022203	0.314048
	-0.13994	-2.3101	0.022079	0.313357
DAXX	0.157022	2.310613	0.02205	0.313228
	0.183236	2.313375	0.021894	0.312746
SLC2A5	0.293948	2.309259	0.022127	0.313618
	-0.16983	-2.30644	0.022287	0.31463
	0.200644	2.308724	0.022157	0.31383
	-0.1981	-2.29844	0.022748	0.316515
	0.176054	2.304627	0.022391	0.315141
	0.170145	2.307527	0.022225	0.314182
ENSG00000250132;TULP3;FKBP4	-0.41027	-2.30793	0.022202	0.314048
ATP6V0E1	0.169267	2.304699	0.022387	0.315141
	0.355802	2.309658	0.022104	0.313465
	0.333973	2.310604	0.02205	0.313228
	-0.25164	-2.30892	0.022146	0.313749
	-0.13895	-2.30831	0.022181	0.313916
	0.166969	2.306805	0.022266	0.314492
	-0.12922	-2.30956	0.02211	0.313487
	-0.1365	-2.30982	0.022095	0.313428
	-0.24275	-2.30916	0.022132	0.313666
	-0.2331	-2.30904	0.022139	0.313696
ARHGAP32;TMEM45B;ST14	-0.2593	-2.31237	0.021951	0.31291
	0.320779	2.309694	0.022102	0.313465
TUB;AKIP1	0.242506	2.312753	0.021929	0.312804
	-0.27124	-2.31351	0.021886	0.312732
PCSK6	-0.23808	-2.30961	0.022106	0.313465
	-0.18682	-2.30981	0.022095	0.313428
NSUN3	-0.43318	-2.30982	0.022095	0.313428

SLC39A7	-0.16138	-2.30881	0.022152	0.313804
	0.210025	2.310584	0.022051	0.313228
	-0.27887	-2.30548	0.022342	0.314964
	-0.23446	-2.31205	0.021968	0.312955
RAB11FIP4;EVI2B;EVI2A	-0.23082	-2.30218	0.022532	0.315723
	-0.30856	-2.30915	0.022133	0.313666
	0.269542	2.308983	0.022142	0.313717
CLSTN3;CD27;IFFO1;C1RL-AS1;CD163L1	0.296209	2.31258	0.021939	0.312853
DEDD2;ATP5SL;GRIK5;ARHGEF1;ZNF526;CEACAM3	-0.26045	-2.30861	0.022163	0.313839
	0.31508	2.30848	0.022171	0.313867
	-0.27979	-2.30791	0.022203	0.314048
	0.248868	2.312334	0.021952	0.31291
	0.247176	2.30301	0.022484	0.315494
SLBP	-0.28733	-2.30705	0.022252	0.314418
	-0.35693	-2.30893	0.022145	0.313747
ACAP1;CTC1;CLEC10A;KCTD11	-0.32677	-2.3125	0.021943	0.312876
	0.188145	2.310635	0.022048	0.313228
	0.244938	2.299971	0.02266	0.316024
	0.268375	2.306093	0.022307	0.314778
	-0.21162	-2.31175	0.021985	0.313013
PSMG3-AS1;HEATR2;SUN1	-0.16467	-2.30964	0.022105	0.313465
	0.2181	2.307671	0.022217	0.314149
LRRC2	-0.17491	-2.30999	0.022085	0.313357
ADCY4	-0.26984	-2.31094	0.022031	0.313143
ENTPD1-AS1;PIK3AP1;ENTPD1	-0.29012	-2.30578	0.022325	0.314918
	-0.25257	-2.30851	0.022169	0.313867
	-0.42696	-2.30869	0.022159	0.313835
PSMG3;GPR146;ENSG00000242474;GPER1	0.27659	2.310018	0.022083	0.313357
	0.22409	2.308154	0.022189	0.313959
	-0.34901	-2.31009	0.02208	0.313357
	-0.21184	-2.30864	0.022162	0.313839
	-0.16624	-2.3096	0.022107	0.313465
	0.158607	2.300836	0.02261	0.315973
MMP24-AS1	-0.20189	-2.30996	0.022087	0.313357
	0.498404	2.311587	0.021995	0.313013
	0.330563	2.311148	0.022019	0.313107
	-0.24503	-2.30964	0.022105	0.313465
	-0.29668	-2.30845	0.022173	0.313867
CARD8;RUVBL2;PLA2G4C;TEAD2	0.672041	2.312181	0.021961	0.31291
	-0.19925	-2.30426	0.022412	0.315244
	-0.20675	-2.30882	0.022151	0.313804
	0.336197	2.307341	0.022236	0.314259
	-0.32476	-2.30932	0.022123	0.313581
	-0.21114	-2.3083	0.022181	0.313916
CEP70;FAIM;ACTG1P1	0.224091	2.306687	0.022273	0.314516
	0.248521	2.309456	0.022115	0.313509
	0.263801	2.307633	0.022219	0.314152

	-0.33159	-2.30822	0.022186	0.313949
	0.19218	2.30329	0.022468	0.315413
	-0.37441	-2.31006	0.022081	0.313357
POGZ;CTSS	-0.22381	-2.30554	0.022339	0.314964
	-0.33328	-2.3062	0.022301	0.314709
	-0.15073	-2.30942	0.022117	0.313518
	-0.21092	-2.3032	0.022473	0.31543
GNL3	-0.13542	-2.30594	0.022316	0.314846
	-0.3413	-2.30828	0.022182	0.313916
ABI3;FAM117A;COL1A1	-0.20058	-2.30918	0.022131	0.313665
	0.262567	2.306876	0.022262	0.314492
	0.205535	2.304165	0.022418	0.315244
	-0.16742	-2.30947	0.022114	0.313509
	0.148611	2.303684	0.022445	0.315337
	0.240818	2.303948	0.02243	0.315244
	0.144266	2.300969	0.022602	0.315938
	0.224936	2.311571	0.021996	0.313013
	-0.14967	-2.30658	0.022279	0.314571
	0.12706	2.309787	0.022097	0.313428
	0.250941	2.305748	0.022327	0.314931
	0.302556	2.308367	0.022177	0.31391
ADCY4;EFS;SLC22A17;NFATC4;PSME1;DCAF11;PSME2;GMPR2;				
GZMB;NEDD8	-0.2613	-2.30477	0.022383	0.315132
	0.27611	2.304981	0.022371	0.315094
SMTN;UQCR10;THOC5	0.239743	2.30536	0.022349	0.314964
	-0.27936	-2.31009	0.02208	0.313357
	-0.41323	-2.31012	0.022078	0.313357
	0.16246	2.310513	0.022055	0.313272
	-0.27948	-2.30878	0.022154	0.313805
	-0.25763	-2.30737	0.022234	0.314251
	-0.13258	-2.30679	0.022267	0.314492
RNF213;BAIAP2	0.213241	2.309623	0.022106	0.313465
	-0.18279	-2.30799	0.022199	0.314047
UBE3C	0.25768	2.311218	0.022016	0.313107
	-0.20977	-2.30643	0.022288	0.31463
CHIC2	-0.25578	-2.30245	0.022516	0.315642
FOXA3	0.194272	2.304344	0.022407	0.315244
	0.122008	2.301592	0.022566	0.31586
	0.193541	2.30918	0.022131	0.313665
	0.258805	2.303954	0.02243	0.315244
	0.418759	2.307887	0.022205	0.314048
	0.297468	2.303666	0.022446	0.315337
LYST	-0.28635	-2.30236	0.022521	0.315674
	-0.1606	-2.30819	0.022187	0.313949
	0.249682	2.303172	0.022475	0.31543
TUBA3FP;ENSG00000187905;P2RX6	-0.16849	-2.30859	0.022165	0.313839
PTP4A3;SLC45A4;ENSG00000261655;ENSG00000271959	-0.2193	-2.30644	0.022287	0.31463

ERICH1	-0.28008	-2.30444	0.022402	0.315236
	0.151092	2.305503	0.022341	0.314964
	0.181495	2.304072	0.022423	0.315244
	0.25592	2.304638	0.02239	0.315141
	0.388377	2.306722	0.022271	0.314509
LAX1	0.186942	2.306952	0.022258	0.314465
	0.297542	2.300867	0.022608	0.315973
ARHGEF17;PDE2A;MRPL48	-0.20827	-2.30806	0.022195	0.314016
	0.267863	2.310608	0.02205	0.313228
	-0.22693	-2.30786	0.022206	0.314048
	-0.24416	-2.30558	0.022336	0.314964
	-0.19901	-2.30764	0.022219	0.314152
	-0.16868	-2.30548	0.022342	0.314964
	-0.26608	-2.30904	0.022139	0.313696
FCHSD2;RELT	0.263447	2.310338	0.022065	0.313322
	-0.17342	-2.30598	0.022313	0.314837
SHANK2;SHANK2-AS3	0.234682	2.310793	0.02204	0.313158
	0.127057	2.301572	0.022567	0.31586
	0.292959	2.303902	0.022433	0.315244
	-0.28799	-2.3056	0.022335	0.314964
ARHGAP30;SLAMF1;SLAMF6;LY9;FCRL6;CD48;CD84;CD244;SLAMF7;FCGR2C;HSPA7;FCGR3A;B4GALT3;FCGR2B;USP21;FCGR2A	0.292617	2.306949	0.022258	0.314465
ATXN10;NUP50;WNT7B;ENSG00000226328	-0.21391	-2.3074	0.022232	0.314247
ECSCR;MZB1;IK	-0.3196	-2.30502	0.022369	0.315094
	-0.24741	-2.30555	0.022338	0.314964
	0.225587	2.302671	0.022504	0.315572
PARVB	-0.21155	-2.30838	0.022176	0.313908
	0.169161	2.304436	0.022402	0.315236
	-0.18201	-2.3054	0.022347	0.314964
	-0.25327	-2.30775	0.022213	0.31412
	-0.22688	-2.30648	0.022285	0.31463
	0.298391	2.304067	0.022423	0.315244
	0.278169	2.301651	0.022562	0.31586
	-0.3163	-2.30977	0.022098	0.313428
LEPR	-0.28393	-2.30333	0.022465	0.315397
	-0.28475	-2.30905	0.022138	0.313696
FOXA2	0.385099	2.300135	0.02265	0.316015
PSMG3	0.244255	2.3027	0.022502	0.315558
	-0.27186	-2.30793	0.022202	0.314048
ENSG00000249852	-0.27887	-2.3049	0.022375	0.315105
VEGFB;CDC42EP2;DPF2;LTBP3;ARL2	-0.27102	-2.30819	0.022187	0.313949
NDUFS6;LPCAT1;MRPL36	-0.29531	-2.30676	0.022269	0.314492
	-0.16111	-2.29997	0.02266	0.316024
	0.198083	2.301559	0.022568	0.31586
	0.23192	2.305235	0.022356	0.315024
	-0.38783	-2.3102	0.022073	0.313357

	-0.12356	-2.30337	0.022463	0.31538
	-0.33422	-2.30791	0.022203	0.314048
	0.20869	2.303818	0.022437	0.315255
	0.121109	2.304126	0.02242	0.315244
	0.319906	2.30855	0.022167	0.313857
	0.215592	2.306862	0.022263	0.314492
	0.211781	2.304666	0.022389	0.315141
FERMT3;BATF2;CCDC88B	0.27052	2.306298	0.022295	0.314679
	0.314907	2.306292	0.022296	0.314679
	0.338473	2.308533	0.022168	0.31386
ACVRL1;TENC1;GRASP;ATF7;KRT80;KRT18;KRT7	0.232488	2.308151	0.02219	0.313959
	0.234622	2.302078	0.022538	0.31575
	-0.31833	-2.30338	0.022463	0.31538
	0.239334	2.30787	0.022206	0.314048
PFKFB2	0.29907	2.309033	0.022139	0.313696
LINC01128;MXRA8;SAMD11;VWA1;SSU72;ANKRD65;RNF223	-0.26843	-2.30348	0.022457	0.315363
FUT3	0.407403	2.304033	0.022425	0.315244
	0.247448	2.307301	0.022238	0.314281
	-0.14505	-2.30508	0.022365	0.315094
C22orf34;ENSG00000213279;SHANK3;ENSG00000235111;MA				
PK12	-0.36551	-2.30501	0.022369	0.315094
	0.240205	2.308641	0.022162	0.313839
KLHL8;MAPK10	0.297325	2.306403	0.022289	0.314634
	0.222902	2.30759	0.022222	0.314156
	-0.26032	-2.30305	0.022482	0.315471
FGD3	0.271423	2.306792	0.022267	0.314492
KLF11;CYS1;ROCK2;GREB1	0.321997	2.30182	0.022553	0.315804
	-0.22816	-2.30596	0.022315	0.314844
C16orf93;PPP4C;MVP;SEPHS2;PHKG2;SETD1A;DOC2A;ZNF48;C				
TF1;TMEM219;CD2BP2	-0.34162	-2.30321	0.022472	0.31543
CACNA2D2;RASSF1;CISH	-0.305	-2.30426	0.022412	0.315244
	-0.32639	-2.30619	0.022301	0.314709
NPHP4	-0.22103	-2.30477	0.022383	0.315132
	0.175765	2.308605	0.022164	0.313839
	-0.13287	-2.30147	0.022573	0.315867
	0.210959	2.306197	0.022301	0.314709
	0.232887	2.300134	0.02265	0.316015
	0.250619	2.305403	0.022347	0.314964
ARV1;ABCB10;ENSG00000244137;CAPN9;RAB4A	-0.40703	-2.30859	0.022165	0.313839
SYS1;SDC4;TOX2;DNTTIP1;PIGT	-0.25114	-2.30501	0.022369	0.315094
ULK2	0.35693	2.307182	0.022245	0.314346
	-0.22874	-2.30676	0.022269	0.314492
PDGFB	-0.25253	-2.30571	0.022329	0.31494
	-0.2363	-2.30348	0.022457	0.315363
FAM193A	-0.325	-2.30134	0.02258	0.315903
	-0.21281	-2.30646	0.022286	0.31463

	0.256199	2.308205	0.022186	0.313949
	-0.25693	-2.30412	0.02242	0.315244
	-0.22012	-2.30736	0.022234	0.314251
	0.298848	2.305368	0.022348	0.314964
	0.251348	2.307717	0.022214	0.314132
	-0.19294	-2.30324	0.022471	0.31543
	-0.30047	-2.30681	0.022266	0.314492
	0.252753	2.308695	0.022159	0.313835
	-0.20173	-2.30163	0.022564	0.31586
MIEN1;IGFBP4	-0.26802	-2.30221	0.02253	0.315715
IRF8	0.323953	2.305414	0.022346	0.314964
	0.172996	2.300383	0.022636	0.315995
	-0.21369	-2.30463	0.022391	0.315141
CASZ1;ENSG00000272078	-0.39731	-2.29788	0.022781	0.316612
FARS2;SLC22A23;ENSG00000260604;ENSG00000233068	0.250759	2.301637	0.022563	0.31586
	-0.3074	-2.30744	0.02223	0.314235
MAPK12;MAPK11	0.226757	2.307127	0.022248	0.31438
	-0.17966	-2.30797	0.0222	0.314048
	0.333496	2.304139	0.022419	0.315244
WDR43	-0.2286	-2.3002	0.022646	0.316001
ADCY5;MYLK	0.241991	2.306943	0.022258	0.314465
	0.337408	2.306496	0.022284	0.314629
	0.243548	2.302891	0.022491	0.315507
ADRB1;AFAP1L2;ATRNL1;DCLRE1A;C10orf118;CASP7	-0.34155	-2.30188	0.022549	0.315799
	-0.16823	-2.29981	0.022669	0.316042
	-0.15945	-2.29877	0.022729	0.316423
RNF8	0.177127	2.304092	0.022422	0.315244
TEX10;MSANTD3	-0.36638	-2.30256	0.02251	0.315622
	0.185693	2.3064	0.022289	0.314634
	-0.25407	-2.30504	0.022367	0.315094
ENSG00000261685;ZNF423;NKD1;NOD2	0.240082	2.299723	0.022674	0.316044
	0.296998	2.305205	0.022358	0.315029
	0.230586	2.301499	0.022571	0.315865
	0.362609	2.30465	0.02239	0.315141
	0.581183	2.30297	0.022486	0.315504
COTL1;IRF8;ENSG00000261471	0.356214	2.307585	0.022222	0.314156
	0.219121	2.302959	0.022487	0.315504
ANK3	0.309552	2.305903	0.022318	0.314848
STMN3;PTK6	-0.22246	-2.30634	0.022293	0.314668
	-0.30968	-2.30113	0.022592	0.315932
SNORA26	-0.21903	-2.30487	0.022377	0.315122
EXOC3L4;TNFAIP2	-0.25226	-2.30541	0.022346	0.314964
BCYRN1;ENSG00000230979	0.237629	2.304954	0.022372	0.315095
	0.352624	2.307394	0.022233	0.314247
EGFL7;PTGDS;UAP1L1;NPDC1;LCNL1;C9orf139;ENSG00000235				
117;AGPAT2;TMEM141	-0.30553	-2.30483	0.02238	0.31513
	0.282867	2.303901	0.022433	0.315244

	-0.16668	-2.30472	0.022386	0.315141
	-0.21446	-2.30587	0.02232	0.314852
	0.366043	2.299926	0.022662	0.316024
	0.284444	2.303395	0.022462	0.31538
	-0.25934	-2.30483	0.022379	0.31513
PFKFB2;DYRK3;C1orf116	-0.36284	-2.30339	0.022462	0.31538
TSPAN15;HK1	-0.16971	-2.30541	0.022346	0.314964
	0.22287	2.305308	0.022352	0.314975
BAI1;FAM83H-AS1;RHPN1-AS1;TOP1MT;GPIHBP1;MAPK15;PSCA;EXOSC4;EEF1D;RHPN1;LYPD2;LY6H;ZNF696;PYCRL	-0.34987	-2.30474	0.022385	0.315141
	-0.18473	-2.30005	0.022655	0.316024
	0.321194	2.305202	0.022358	0.315029
	0.208172	2.306834	0.022265	0.314492
TLCD1;ANKRD13B;TRAF4;MYO18A;SUPT6H;IFT20;TIAF1;NLK;CORO6;RAB34;SPAG5	-0.21981	-2.29543	0.022924	0.317293
	0.193593	2.303833	0.022437	0.315253
	-0.23548	-2.30447	0.0224	0.315236
	0.168193	2.302544	0.022511	0.315622
	-0.38074	-2.30311	0.022478	0.315435
	0.306217	2.305916	0.022317	0.314848
DZIP1L;NME9;CLDN18;MRAS;STAG1;SLC35G2	-0.37741	-2.30379	0.022439	0.315271
MDM4	0.295798	2.307441	0.02223	0.314235
TSSC1	-0.39457	-2.30121	0.022588	0.315917
MRPL43	-0.29439	-2.30136	0.022579	0.315903
	0.177812	2.305473	0.022342	0.314964
MRGPRF;ENSG00000255306;UNC93B1;ENSG00000261625;ALDH3B1	-0.3701	-2.30401	0.022426	0.315244
RNF216;CYTH3;TNRC18;EIF2AK1;RAC1;ENSG00000198580	-0.39188	-2.3013	0.022583	0.315917
	0.234516	2.301947	0.022545	0.315794
	0.120472	2.302195	0.022531	0.315718
	-0.26017	-2.30505	0.022367	0.315094
	0.359291	2.306767	0.022268	0.314492
	0.287571	2.299003	0.022716	0.316349
	-0.28692	-2.29772	0.02279	0.316621
YARS	-0.16495	-2.30388	0.022434	0.315244
	0.408698	2.306838	0.022264	0.314492
FMNL3;FAIM2;ASIC1;ENSG00000272368;MCRS1;TMBIM6;WNT10B;SPATS2;METTL7A	-0.20739	-2.30359	0.02245	0.31535
ERV3-1	0.157797	2.296822	0.022843	0.316879
GPR153;CAMTA1;CHD5;KCNAB2;THAP3;HES2	0.261105	2.303944	0.02243	0.315244
	-0.14992	-2.30201	0.022542	0.315758
	-0.25888	-2.30413	0.02242	0.315244
	-0.16939	-2.30431	0.022409	0.315244
	0.294629	2.300468	0.022631	0.315973
	-0.19611	-2.30427	0.022411	0.315244

	-0.23915	-2.30451	0.022398	0.315218
	0.254728	2.300574	0.022625	0.315973
GRAP2;CACNA1I;APOBEC3G;MCHR1;ENSG00000225528	0.414518	2.30566	0.022332	0.314964
	0.254371	2.301858	0.02255	0.315799
	-0.22749	-2.30317	0.022475	0.31543
	-0.1374	-2.30027	0.022642	0.316001
	-0.19247	-2.30398	0.022428	0.315244
	-0.21052	-2.29623	0.022877	0.317018
	-0.24776	-2.30275	0.022499	0.315557
	-0.23784	-2.30416	0.022418	0.315244
	0.192022	2.303919	0.022432	0.315244
TBC1D10C;RBM14;ENSG00000255306;RBM4B	0.270775	2.305006	0.022369	0.315094
	-0.25328	-2.29782	0.022785	0.316621
	0.196511	2.299305	0.022698	0.316218
	0.225608	2.304774	0.022383	0.315132
TRAC	0.269742	2.302444	0.022517	0.315642
GTF3C5;COL5A1;ADAMTSL2;GBGT1	0.261351	2.303899	0.022433	0.315244
	-0.20724	-2.30591	0.022318	0.314848
	0.367225	2.303508	0.022455	0.315363
AGBL2;C11orf49;DDB2;CELF1;PACSIN3;FNBP4;KBTBD4;LRP4;H				
ARBI1;NDUFS3;SPI1	-0.30985	-2.30049	0.022629	0.315973
SUN1;MAD1L1;HEATR2;IQCE	-0.28359	-2.30442	0.022403	0.315236
PRKD3;ENSG00000272054	-0.32524	-2.2984	0.022751	0.316515
	-0.22229	-2.30124	0.022586	0.315917
KANK1;DMRT3	0.345838	2.298867	0.022724	0.316415
PDE6B;ZNF876P;SLBP	-0.28214	-2.30014	0.02265	0.316015
EHD2	-0.19906	-2.29809	0.022769	0.31656
	-0.29232	-2.30122	0.022587	0.315917
	-0.25442	-2.3034	0.022462	0.31538
	-0.12315	-2.30098	0.022601	0.315938
	-0.28104	-2.29659	0.022856	0.316899
	0.176059	2.30077	0.022613	0.315973
FMNL3	-0.20183	-2.30349	0.022456	0.315363
BAIAP2	0.208364	2.303491	0.022456	0.315363
ADD2	0.245022	2.304913	0.022375	0.315105
	-0.16688	-2.29977	0.022671	0.316042
	0.276597	2.304585	0.022393	0.315165
COL5A1;CAMSAP1	-0.28362	-2.30286	0.022493	0.315511
	-0.2287	-2.30571	0.022329	0.31494
	0.285976	2.302753	0.022499	0.315557
	0.290793	2.302973	0.022486	0.315504
	-0.23102	-2.30557	0.022337	0.314964
	-0.23682	-2.3056	0.022335	0.314964
	0.166609	2.301201	0.022588	0.315917
	0.263065	2.300992	0.0226	0.315938
	-0.16484	-2.3036	0.02245	0.31535
	-0.24348	-2.29799	0.022775	0.316573

POU5F1;NOTCH4;RNF5	0.19372	2.302305	0.022525	0.315691
	0.100461	2.300012	0.022657	0.316024
DENND3	-0.29378	-2.29695	0.022836	0.316837
COL5A1;ADAMTSL2;OLFM1;GBGT1;SARDH	-0.26803	-2.30177	0.022555	0.315822
ENSG00000232524;IQUB;AASS;ENSG00000272686	-0.42907	-2.30536	0.022349	0.314964
	0.202647	2.301545	0.022568	0.31586
	0.219839	2.30626	0.022297	0.314684
ABCA3;PRSS22;ENSG00000262370;ZNF75A;PKMYT1;TRAF7;ZN				
F213;PAQR4;TBC1D24;CCNF	-0.52367	-2.30289	0.022491	0.315507
	0.288744	2.29984	0.022667	0.316042
	0.229424	2.303149	0.022476	0.315432
BCL11B;EVL;HHIPL1	0.458671	2.304965	0.022372	0.315095
	0.244738	2.30293	0.022489	0.315507
SDC3;LCK;MTMR9LP;SERINC2;TINAGL1	-0.22915	-2.30076	0.022614	0.315973
	-0.27753	-2.30233	0.022523	0.315681
ARHGEF10	0.272857	2.302473	0.022515	0.315642
WNK2;ECM2;ZNF484;FAM120AOS;BICD2;ASPN	-0.66621	-2.29967	0.022677	0.316063
	-0.27989	-2.30433	0.022408	0.315244
	0.263308	2.302714	0.022501	0.315557
	-0.80507	-2.30565	0.022332	0.314964
	0.287324	2.304262	0.022412	0.315244
	-0.29423	-2.30399	0.022428	0.315244
	0.196771	2.304148	0.022419	0.315244
FAM13C;ENSG00000236556	-0.29543	-2.29404	0.023006	0.317653
	0.220202	2.304821	0.02238	0.31513
	-0.33699	-2.3008	0.022611	0.315973
	0.142823	2.305384	0.022348	0.314964
	-0.44684	-2.29707	0.022828	0.31681
ARHGDIA	0.275846	2.302442	0.022517	0.315642
TEAD4	-0.2692	-2.29965	0.022678	0.316071
	0.35932	2.300203	0.022646	0.316001
SLC16A4	0.296422	2.3032	0.022473	0.31543
	0.243261	2.300819	0.022611	0.315973
ENSG00000261226;SPIRE2;CBFA2T3;ENSG00000259881;GAS8;				
SPATA33;PIEZO1;ENSG00000260259	0.260527	2.301057	0.022597	0.315935
DLL4;C15orf52;SPTBN5;MAPKBP1;SRP14;DNAJC17;RPAP1	0.245293	2.303868	0.022435	0.315244
	0.853655	2.30436	0.022406	0.315242
	-0.2653	-2.30478	0.022382	0.315132
	0.161986	2.299547	0.022684	0.316128
HYDIN;ENSG00000262890;HAS3;ENSG00000260156	-0.37887	-2.30364	0.022448	0.315337
	0.293429	2.2977	0.022792	0.316621
	-0.19669	-2.30077	0.022613	0.315973
	-0.17354	-2.3056	0.022335	0.314964
	-0.14021	-2.30274	0.0225	0.315557
	0.26092	2.302098	0.022537	0.315745
	0.204051	2.301345	0.02258	0.315903

GNG7	0.285209	2.303886	0.022434	0.315244
	-0.16757	-2.30186	0.02255	0.315799
	0.392102	2.297329	0.022813	0.316707
	-0.29976	-2.30203	0.02254	0.315758
PSMG3;GPR146;ELFN1	0.21906	2.300069	0.022654	0.316024
NUMA1;ATG16L2	0.246682	2.298363	0.022753	0.316515
	0.278654	2.302502	0.022513	0.315642
DLG2	0.278241	2.303862	0.022435	0.315244
	0.363114	2.304407	0.022404	0.315236
TUSC2	0.211687	2.302235	0.022529	0.315715
	0.091481	2.300332	0.022639	0.316001
RASAL3	-0.25868	-2.30556	0.022338	0.314964
	0.285187	2.29828	0.022758	0.316515
DNAJB12	0.277983	2.298248	0.02276	0.316515
	-0.28674	-2.29977	0.022671	0.316042
DNAJC4;ATL3;PPP1R14B	-0.21688	-2.30067	0.022619	0.315973
PXDN;SNTG2;TPO	0.274167	2.298254	0.022759	0.316515
	0.159113	2.304045	0.022424	0.315244
	-0.2125	-2.30089	0.022607	0.315973
	-0.17558	-2.30058	0.022624	0.315973
	0.228951	2.30088	0.022607	0.315973
VASH1;AHSA1;CIPC	0.210046	2.304367	0.022406	0.315242
BAIAP2;SLC38A10	-0.28306	-2.30027	0.022642	0.316001
	-0.23118	-2.30353	0.022454	0.315363
	0.182622	2.303182	0.022474	0.31543
	0.206482	2.301536	0.022569	0.31586
ENSG00000271537	0.333582	2.304668	0.022389	0.315141
	-0.22682	-2.29547	0.022922	0.31729
SP140;GPR55;SP100;SP110;SP140L	0.396422	2.302257	0.022527	0.315715
	0.22276	2.302739	0.0225	0.315557
TTN	0.274588	2.303434	0.02246	0.31538
SELL;PRRX1	0.515476	2.305154	0.022361	0.315058
	-0.13453	-2.30024	0.022644	0.316001
	0.326312	2.299775	0.022671	0.316042
	-0.33085	-2.30491	0.022375	0.315105
	0.299904	2.304983	0.022371	0.315094
RER1;ENSG00000272235	0.202948	2.303256	0.02247	0.315429
	0.222873	2.300807	0.022611	0.315973
	0.268539	2.300221	0.022645	0.316001
	-0.13038	-2.29869	0.022734	0.31644
	-0.19077	-2.30114	0.022592	0.315932
	0.255212	2.302927	0.022489	0.315507
LPCAT1	0.270283	2.299862	0.022666	0.316042
LST1	-0.21128	-2.30043	0.022633	0.315973
	0.246544	2.296678	0.022851	0.316888
	0.191881	2.302717	0.022501	0.315557
SYT11;ASH1L-AS1;YY1AP1;SHE;C1orf189	-0.20198	-2.30359	0.022451	0.31535

ENSG00000260682;PLCG2	-0.33182	-2.29749	0.022804	0.316674
KIAA1462;SVIL;ZNF438	0.238573	2.289944	0.023248	0.318728
	-0.26523	-2.30152	0.02257	0.31586
PARD6B;CEBPB;KCNB1	-0.1784	-2.30188	0.022549	0.315799
WNT7B	-0.28178	-2.29934	0.022696	0.316218
HSPG2;LDLRAD2;USP48;KDM1A	0.285421	2.300666	0.022619	0.315973
	0.174104	2.300473	0.022631	0.315973
IKZF1	0.185353	2.298819	0.022727	0.316423
	0.218424	2.301099	0.022594	0.315932
AKT3;ADSS;AKT3-IT1;ZBTB18	-0.21131	-2.30291	0.022489	0.315507
	0.105234	2.298301	0.022757	0.316515
ENSG00000242104	-0.22391	-2.29649	0.022863	0.316956
	0.399967	2.297994	0.022775	0.316573
PDGFB;SUN2	0.240508	2.301671	0.022561	0.31586
	-0.33235	-2.30386	0.022435	0.315244
ENSG00000253930	0.177055	2.302643	0.022505	0.315583
	0.288757	2.302429	0.022517	0.315642
	0.109718	2.299486	0.022688	0.316154
	-0.19121	-2.29771	0.022791	0.316621
	-0.19707	-2.29878	0.022729	0.316423
	-0.14915	-2.29455	0.022976	0.31753
	-0.2398	-2.29913	0.022709	0.316321
	0.203513	2.303108	0.022478	0.315435
	0.406553	2.298929	0.02272	0.316398
	-0.23555	-2.30068	0.022618	0.315973
SKAP1;HOXB4;PRR15L;HOXB3	-0.2856	-2.30337	0.022463	0.31538
	-0.23892	-2.30046	0.022631	0.315973
CRMP1;KIAA0232;CCDC96;EVC;ENSG00000246526;PSAPL1;PP				
P2R2C	-0.32935	-2.2955	0.02292	0.31729
	0.271188	2.299763	0.022672	0.316042
	-0.21799	-2.30213	0.022535	0.315738
	-0.1795	-2.29599	0.022892	0.317098
	-0.20316	-2.29598	0.022892	0.317098
	0.333184	2.30167	0.022561	0.31586
PDE3B	-0.29182	-2.29876	0.02273	0.316423
SNRPD2	-0.22092	-2.30012	0.022651	0.316015
	-0.32743	-2.3035	0.022456	0.315363
	0.302311	2.301521	0.02257	0.31586
PDLIM4;P4HA2;SOWAHA;C5orf56;UQCRQ;CCNI2;ENSG000002				
34290	-0.30995	-2.29344	0.023041	0.317821
ZNF546	-0.16846	-2.29697	0.022834	0.316831
PDCD1	0.427656	2.303886	0.022434	0.315244
	0.187709	2.298301	0.022757	0.316515
	0.225043	2.301256	0.022585	0.315917
	0.253838	2.292615	0.02309	0.318049
	-0.20012	-2.29664	0.022853	0.316892
CNOT8	-0.20967	-2.29953	0.022685	0.316128

	-0.18876	-2.29784	0.022784	0.316621
	-0.34387	-2.30139	0.022578	0.315903
RNF32;PTPRN2;DNAJB6;ENSG00000231980	0.208863	2.300993	0.0226	0.315938
	0.236987	2.293082	0.023062	0.3179
	-0.21859	-2.29887	0.022723	0.316415
	0.242095	2.301919	0.022547	0.315796
GPR115	0.231772	2.299574	0.022683	0.316124
	0.193821	2.301387	0.022578	0.315903
	-0.23753	-2.30154	0.022569	0.31586
	-0.21622	-2.3026	0.022507	0.315604
KIF6	0.335286	2.304316	0.022409	0.315244
LINC00689	-0.35761	-2.30246	0.022516	0.315642
KCNQ1OT1	-0.24357	-2.29766	0.022794	0.316624
ITGB7;OR7E47P;ESPL1	0.319188	2.298686	0.022734	0.31644
	0.193038	2.301557	0.022568	0.31586
	0.166837	2.300223	0.022645	0.316001
	-0.26642	-2.30053	0.022627	0.315973
GRAP2;SUN2;PDGFB	-0.22527	-2.30207	0.022538	0.31575
	-0.16552	-2.29907	0.022712	0.316328
	0.31693	2.302221	0.022529	0.315715
	-0.18832	-2.29742	0.022808	0.316699
	0.139041	2.296433	0.022866	0.31696
PPP1R7	0.305656	2.295022	0.022948	0.317444
	0.260866	2.298531	0.022743	0.316494
	0.245234	2.298237	0.02276	0.316515
	0.23036	2.300536	0.022627	0.315973
PLEKHB2;ENSG00000213222;CCDC74A;TUBA3D;POTEI	-0.23248	-2.30162	0.022564	0.31586
	-0.23779	-2.30071	0.022617	0.315973
	0.250266	2.297351	0.022812	0.316707
SNX10;HOXA-AS2	-0.27128	-2.29509	0.022944	0.317419
	-0.45343	-2.30314	0.022477	0.315432
	-0.17446	-2.29863	0.022738	0.316466
	-0.17571	-2.29051	0.023214	0.318574
	-0.17034	-2.30224	0.022528	0.315715
USP10;HSBP1;WFDC1;KIAA0513;ENSG00000260228;ATP2C2;E NSG00000262601;FAM92B;HSDL1;DNAAF1;MBTPS1;CRISPLD2	-0.27976	-2.2961	0.022885	0.31706
	0.176063	2.297191	0.022821	0.316755
	0.248443	2.298018	0.022773	0.316573
	0.265466	2.30364	0.022448	0.315337
	-0.13861	-2.29489	0.022956	0.317453
PCSK6	-0.33528	-2.30031	0.02264	0.316001
	-0.20406	-2.29954	0.022685	0.316128
	0.191994	2.299006	0.022716	0.316349
HCP5;TAP2;TAP1;HLA-DOA;HLA-DMB;HLA-DMA;HLA-B;HLA-DPB1;PSMB9;HLA-DRA;MICB;HSPA1A;HLA-DPA1;RPL32P1;HLA-C;TAPSAR1;C2	0.315032	2.301372	0.022578	0.315903

	0.150805	2.297029	0.022831	0.316825
ZNF627;ZNF20;ZNF440	0.218751	2.296672	0.022852	0.316888
	0.214587	2.301032	0.022598	0.315935
ANKRD29	0.300036	2.302138	0.022534	0.315738
	-0.31476	-2.30096	0.022602	0.315938
	0.272564	2.300359	0.022637	0.316001
	0.21978	2.302762	0.022498	0.315557
	-0.34355	-2.29936	0.022695	0.316218
	-0.14978	-2.30046	0.022631	0.315973
	0.201388	2.302004	0.022542	0.315758
CAP2	-0.33276	-2.29993	0.022662	0.316024
	0.262394	2.298385	0.022752	0.316515
	-0.16032	-2.29836	0.022753	0.316515
	0.183536	2.300466	0.022631	0.315973
	-0.3057	-2.29876	0.02273	0.316423
LMCD1	-0.57319	-2.30235	0.022522	0.315675
MAP7;IFNGR1	-0.26046	-2.3011	0.022594	0.315932
MEG3;HHIPL1;MEG8;ENSG00000225746	0.210741	2.296854	0.022841	0.316875
EGLN3-AS1	0.299875	2.300337	0.022638	0.316001
PTPN20A	0.187917	2.299429	0.022691	0.316189
	0.360545	2.301419	0.022576	0.315901
	0.300087	2.300538	0.022627	0.315973
	-0.24797	-2.30044	0.022633	0.315973
	0.294813	2.298857	0.022724	0.316415
P2RX4;KNTC1;P2RX7	0.261419	2.299352	0.022696	0.316218
	-0.2092	-2.2973	0.022815	0.316707
	0.279499	2.296431	0.022866	0.31696
PES1	-0.23562	-2.3001	0.022652	0.316015
	-0.64709	-2.29771	0.022791	0.316621
	0.210637	2.300197	0.022647	0.316001
TIPARP	-0.3425	-2.30045	0.022632	0.315973
PRDX2;ZNF44	-0.20594	-2.29485	0.022958	0.317453
ERGIC3;MYL9;SOGA1;PROCR;EPB41L1;MMP24-AS1	-0.21728	-2.29547	0.022922	0.31729
	-0.28613	-2.30149	0.022572	0.315865
	0.213415	2.302106	0.022536	0.315745
EML1;DEGS2;ENSG00000271417;MEG3;HHIPL1;BCL11B;BEGAI N;ENSG00000225746;SLC25A29;MEG8;CCDC85C	0.242909	2.294537	0.022977	0.31753
	-0.16757	-2.29283	0.023077	0.317992
	0.269662	2.297413	0.022808	0.316699
	0.269583	2.298802	0.022728	0.316423
	0.210653	2.301699	0.02256	0.31586
	0.140345	2.296659	0.022852	0.316888
	-0.2398	-2.30042	0.022633	0.315973
IRX3;CRNDE;IRX5;ENSG00000259725	-0.31552	-2.30111	0.022594	0.315932
	-0.18555	-2.30286	0.022493	0.315511
C1QTNF7	0.274419	2.299145	0.022708	0.316316
AACS;CCDC92	-0.69303	-2.29179	0.023139	0.318214

KIAA1211L;TSGA10;ENSG00000231822;ENSG00000273045	-0.28141	-2.30242	0.022518	0.315644
	0.141337	2.297578	0.022799	0.316655
SRGN;PRF1	0.274718	2.300712	0.022617	0.315973
	-0.24221	-2.30183	0.022552	0.315804
	0.908921	2.302014	0.022541	0.315758
EHHADH;CHRD	-0.30354	-2.30124	0.022586	0.315917
C1orf116	-0.32012	-2.29757	0.022799	0.316655
PRF1	0.397559	2.301934	0.022546	0.315794
MEIS2	0.297978	2.296753	0.022847	0.316888
ADAMTS2	-0.27282	-2.30178	0.022555	0.315822
	0.24192	2.301197	0.022589	0.315917
ACOT7	-0.19928	-2.30115	0.022591	0.315932
UNC13D;SLC16A5;ST6GALNAC2;SPHK1;SMIM5;MRPS7;RNF157-AS1;ST6GALNAC1;SMIM6	-0.26186	-2.29933	0.022697	0.316218
	-0.28978	-2.29832	0.022756	0.316515
PML;FAM219B;SEMA7A	0.263532	2.300252	0.022643	0.316001
	0.212105	2.296824	0.022843	0.316879
	-0.44463	-2.29996	0.02266	0.316024
	-0.21155	-2.29911	0.02271	0.316323
	-0.22409	-2.29969	0.022676	0.316062
	0.230971	2.292778	0.02308	0.317994
PLEKHH2;HAAO;DYNC2LI1;OXER1;PKDCC;THADA;COX7A2L;ENSG00000231826;ENSG00000229695;ENSG00000230587	0.228598	2.299075	0.022712	0.316328
	0.307281	2.301194	0.022589	0.315917
PBX3;ENG;GARNL3;ANGPTL2;TTC16	0.24558	2.296469	0.022864	0.31696
FLI1;ARHGAP32;ETS1	-0.25962	-2.30059	0.022624	0.315973
	0.153532	2.301851	0.022551	0.315799
	0.121583	2.297905	0.02278	0.316609
	0.221128	2.294921	0.022954	0.317444
SRSF9;RPLP0;RNU4-1;COX6A1;TRIAP1;MLEC;RNU4-2;RAB35	-0.32362	-2.29874	0.022731	0.316423
TSR1	-0.2348	-2.29751	0.022803	0.31667
	-0.22979	-2.29836	0.022753	0.316515
	-0.30506	-2.29324	0.023053	0.31785
C1orf172;SPCS2P4	-0.18499	-2.29272	0.023084	0.318018
	-0.30597	-2.29996	0.02266	0.316024
	-0.32822	-2.29997	0.02266	0.316024
	-0.37809	-2.29883	0.022726	0.316423
TRPM2;ICOSLG;ITGB2;COL18A1;LRRC3	0.29811	2.298106	0.022768	0.31656
ENSG00000256973	-0.22751	-2.30077	0.022613	0.315973
	0.190515	2.297132	0.022825	0.316783
	0.176466	2.299723	0.022674	0.316044
	0.260383	2.299095	0.022711	0.316326
	-0.45335	-2.29999	0.022659	0.316024
	0.214893	2.299833	0.022668	0.316042

	0.315475	2.299339	0.022696	0.316218
WNT9A	0.243554	2.297589	0.022798	0.316655
	-0.32479	-2.30085	0.022608	0.315973
	-0.21183	-2.29736	0.022811	0.316707
	0.261045	2.290231	0.023231	0.318667
NDUFB1;C14orf142	-0.19767	-2.29709	0.022827	0.316805
	-0.18099	-2.29463	0.022971	0.317517
VN2R11P	0.385693	2.297754	0.022789	0.316621
	0.327297	2.300641	0.022621	0.315973
	0.218377	2.299276	0.0227	0.31623
	0.266972	2.297269	0.022817	0.316712
STK32B;EVC;S100P;CRMP1;CYTL1;ENSG00000170846	0.22567	2.299856	0.022666	0.316042
ASIC1;SPATS2;WNT10B	0.187467	2.298732	0.022732	0.316423
	-0.16437	-2.29513	0.022942	0.317399
	-0.21448	-2.30108	0.022595	0.315934
	0.296431	2.296976	0.022834	0.316831
	0.228574	2.302564	0.02251	0.315622
	0.22408	2.292253	0.023111	0.318134
	0.20689	2.301032	0.022598	0.315935
	0.213592	2.299732	0.022674	0.316044
	0.235201	2.300685	0.022618	0.315973
	0.159775	2.295893	0.022897	0.317118
	0.278992	2.29767	0.022793	0.316624
	0.302282	2.297738	0.02279	0.316621
	-0.22374	-2.29862	0.022738	0.316466
	-0.18404	-2.29521	0.022937	0.317373
	-0.29539	-2.29482	0.02296	0.317454
	0.244547	2.298909	0.022721	0.316404
	-0.39274	-2.29625	0.022876	0.317012
GULOP	0.274506	2.298253	0.022759	0.316515
	-0.32633	-2.30001	0.022657	0.316024
EMP2;ATF7IP2;GRIN2A	-0.3437	-2.29462	0.022972	0.317517
	0.301867	2.298672	0.022735	0.316441
	-0.17161	-2.29419	0.022997	0.317608
	0.227176	2.298167	0.022765	0.316549
CYP4Z2P	-0.4191	-2.29993	0.022662	0.316024
	-0.27386	-2.29304	0.023065	0.317901
	0.25415	2.296506	0.022861	0.316956
	-0.21472	-2.29838	0.022752	0.316515
KL;STARD13;STARD13-AS;N4BP2L2	0.255449	2.296357	0.02287	0.316982
TMEM258;TMEM216	0.189095	2.299145	0.022708	0.316316
CDH5;FAM65A;CMTM4;RLTPR;SLC12A4;ATP6V0D1;FAM96B;CE				
S2;ZDHHC1;CES4A;TRADD;ENKD1;TSNAXIP1;CBFB;LCAT	-0.2595	-2.29542	0.022925	0.317293
	0.251283	2.300498	0.022629	0.315973
	0.269993	2.293939	0.023012	0.317687
	0.19809	2.295392	0.022927	0.317307

HES6	-0.33946	-2.30056	0.022625	0.315973
IGHD;KIAA0125;IGHJ3P;IGHM;IGHA1;IGHV3-11;IGHA2;IGHG2;IGHV3-15;IGHV3-21	0.237241	2.298472	0.022747	0.31651
	-0.16332	-2.2967	0.02285	0.316888
	0.34824	2.299863	0.022666	0.316042
	-0.26548	-2.29854	0.022743	0.316494
	0.181079	2.295469	0.022922	0.31729
TTYH2;TRIM65;UNC13D;GALK1	-0.37256	-2.29753	0.022802	0.316667
RARRES3;C11orf95;LRRN4CL;SCGB2A1;RTN3;MACROD1;C11orf48;HRASLS2;RCOR2;TTC9C	0.354234	2.289821	0.023255	0.318731
	0.138008	2.294835	0.022959	0.317453
	-0.19867	-2.29368	0.023027	0.317764
	0.138789	2.300439	0.022632	0.315973
	0.341265	2.298165	0.022765	0.316549
ZFHX3	-0.19025	-2.29982	0.022668	0.316042
	-0.17708	-2.29931	0.022698	0.316218
	-0.24892	-2.29793	0.022778	0.316601
	0.191099	2.296979	0.022834	0.316831
POLD3;SLCO2B1;ENSG00000254837;UVRAG	0.262243	2.294948	0.022953	0.317444
	-0.20938	-2.29515	0.022941	0.317389
DMRT3;DOCK8;KANK1	0.369714	2.292242	0.023112	0.318134
HADHAP1;CPE	-0.3247	-2.28765	0.023384	0.319337
	0.182157	2.29434	0.022988	0.317598
PTPN18	-0.21311	-2.28483	0.023553	0.32008
	-0.17909	-2.29768	0.022793	0.316624
	0.154973	2.29837	0.022753	0.316515
	-0.45364	-2.2965	0.022862	0.316956
	0.229064	2.297876	0.022781	0.316612
	0.306345	2.29794	0.022778	0.316601
ZNHIT1	-0.17111	-2.29729	0.022816	0.316707
	0.268905	2.29805	0.022771	0.316573
	0.188967	2.29613	0.022883	0.31705
	0.296948	2.297037	0.02283	0.316825
	-0.23445	-2.29676	0.022847	0.316888
	0.256548	2.295188	0.022939	0.317382
ENSG00000254263;GSDMC	-0.34287	-2.29602	0.02289	0.317098
	0.215861	2.298601	0.022739	0.316468
	0.216314	2.298157	0.022765	0.316549
	-0.27842	-2.2944	0.022985	0.317561
SMAD6;AAGAB;IQCH;RAB11A	0.341547	2.293232	0.023053	0.31785
	-0.21232	-2.298	0.022774	0.316573
TRAF5	0.297954	2.291261	0.02317	0.318345
	-0.14575	-2.29548	0.022921	0.31729
	0.285581	2.294931	0.022954	0.317444
	-0.41157	-2.2948	0.022961	0.317462
LRRC25	0.256907	2.300651	0.02262	0.315973
	-0.18711	-2.295	0.022949	0.317444

	-0.28595	-2.29851	0.022744	0.316497
	-0.16644	-2.30106	0.022597	0.315935
HRNR;JTB	-0.21728	-2.29635	0.02287	0.316982
NEK6;OLFML2A	-0.17083	-2.29729	0.022815	0.316707
	-0.22747	-2.29772	0.022791	0.316621
	0.220693	2.300107	0.022652	0.316015
DOCK10	-0.33103	-2.29336	0.023046	0.317824
	0.283503	2.2939	0.023014	0.317694
C6orf211	-0.29363	-2.2967	0.02285	0.316888
	0.281341	2.296219	0.022878	0.317018
	-0.2436	-2.29454	0.022977	0.31753
NTM	-0.24021	-2.29179	0.023138	0.318214
	-0.30762	-2.29416	0.022999	0.317608
	-0.26044	-2.29667	0.022852	0.316888
	0.248323	2.296297	0.022874	0.316986
RAET1E;PPP1R14C;LRP11;ENSG00000268592;MTHFD1L	-0.29117	-2.29135	0.023165	0.318328
RPS6KA4	-0.28268	-2.29389	0.023015	0.317694
	0.172945	2.296667	0.022852	0.316888
	-0.20246	-2.29199	0.023127	0.318156
	0.116574	2.29458	0.022974	0.317526
	0.24143	2.289913	0.02325	0.318731
ENSG00000249574;PDGFA;CYP2W1;PSMG3	0.335584	2.296442	0.022865	0.31696
FCHO1;JAK3;FAM129C;MAST3;B3GNT3;NR2F6;MYO9B	-0.2669	-2.29105	0.023182	0.318374
	0.151673	2.297529	0.022802	0.316667
FBXO17;RYR1;ZNF540;RINL	-0.24546	-2.29773	0.02279	0.316621
PITPNC1	0.328117	2.293505	0.023037	0.317795
	0.181027	2.295211	0.022937	0.317373
	-0.14987	-2.28788	0.023371	0.319337
	-0.20293	-2.29812	0.022767	0.31656
RGMA	-0.25849	-2.2983	0.022757	0.316515
	0.154022	2.29019	0.023233	0.318667
	0.20192	2.295943	0.022894	0.317108
GDE1;GPRC5B;COQ7;ARL6IP1;TMC5	-0.26873	-2.30121	0.022588	0.315917
ENSG00000257261	0.171154	2.293411	0.023043	0.317821
CSGALNACT1;INTS10	0.253425	2.298498	0.022745	0.316499
	0.409326	2.294211	0.022996	0.317608
	-0.18389	-2.29499	0.02295	0.317444
	0.300387	2.298135	0.022766	0.316556
	-0.20568	-2.29667	0.022852	0.316888
	-0.27275	-2.29835	0.022754	0.316515
	0.110553	2.293373	0.023045	0.317824
TAP1;PSMB8;PSMB9;TAPSAR1;HLA-DMB;HLA-DRA;BAK1;C6orf10;HLA-DMA;TAP2	-0.31631	-2.29774	0.022789	0.316621
	-0.26079	-2.29264	0.023088	0.318049
	0.252064	2.29566	0.022911	0.317266
MLH3;LTBP2	0.196555	2.296761	0.022846	0.316888
	0.364563	2.298537	0.022743	0.316494

EBF3;MGMT;GLRX3	0.293445	2.291011	0.023185	0.318374
	0.293978	2.294049	0.023005	0.317653
HAGH	-0.21122	-2.29693	0.022837	0.316837
PMEPA1	-0.26208	-2.29781	0.022785	0.316621
	0.23775	2.296018	0.02289	0.317098
	-0.23649	-2.28964	0.023266	0.318763
DENND5B	-0.31002	-2.29692	0.022837	0.316837
	0.211727	2.294948	0.022953	0.317444
	-0.27372	-2.29119	0.023174	0.318358
	0.329323	2.295303	0.022932	0.31734
	0.17162	2.294846	0.022959	0.317453
	-0.19592	-2.29799	0.022775	0.316573
	0.324934	2.294276	0.022992	0.317608
	0.182877	2.297356	0.022812	0.316707
	0.258151	2.297304	0.022815	0.316707
FLI1;ETS1;ARHGAP32	0.258777	2.294446	0.022982	0.317558
	0.219829	2.294439	0.022982	0.317558
	-0.24594	-2.2932	0.023055	0.317863
	-0.22532	-2.29387	0.023016	0.317694
	-0.3052	-2.29526	0.022934	0.317352
	0.184762	2.297608	0.022797	0.316654
	0.229734	2.292354	0.023105	0.318112
	-0.30174	-2.29748	0.022804	0.316674
	0.214209	2.295893	0.022897	0.317118
	-0.31845	-2.29599	0.022892	0.317098
IL32;ENSG00000262370;CCDC64B;ENSG00000205890;PRSS22;				
HN1L;PAQR4;TMEM204	-0.21793	-2.29638	0.022869	0.316982
UBAC1;CAMSAP1	0.132158	2.290791	0.023198	0.318451
PRR26	-0.18201	-2.29265	0.023088	0.318049
	-0.29227	-2.29698	0.022834	0.316831
MRGPRF	-0.28249	-2.29207	0.023122	0.318156
PSMD13	0.205253	2.29486	0.022958	0.317453
FAM3D	-0.36516	-2.29243	0.023101	0.318082
	0.246654	2.295263	0.022934	0.317352
BNIPL;THEM4;CGN;SELENBP1;RORC	-0.28919	-2.29583	0.022901	0.317151
	0.214023	2.298056	0.022771	0.316573
	0.29919	2.295956	0.022894	0.317108
	-0.16351	-2.29504	0.022947	0.317444
HN1L;NME4;TMEM204;SOX8;RGS11;UNKL;ENSG00000260807;				
POLR3K;ENSG00000196674;CCDC78;IFT140	-0.24186	-2.29441	0.022984	0.317561
	0.263414	2.292077	0.023122	0.318156
	-0.47259	-2.29538	0.022927	0.317307
	0.321238	2.291403	0.023161	0.318322
MAP7;IL20RA	-0.24578	-2.29215	0.023117	0.318134
CEACAM19	0.50028	2.297147	0.022824	0.316781
UGP2;ENSG00000172974;AFTPH	-0.29869	-2.29631	0.022873	0.316986
	-0.23158	-2.29492	0.022954	0.317444

CARD8;PLA2G4C	-0.3219	-2.29613	0.022883	0.31705
	-0.23064	-2.29685	0.022841	0.316875
TET1;TSPAN15;COL13A1;PBLD;TACR2;STOX1;HK1;ENSG00000260400	-0.2803	-2.2915	0.023155	0.318308
SNHG3;SNORA73B	-0.14362	-2.29313	0.023059	0.317895
	0.197316	2.29468	0.022968	0.317506
	0.281614	2.291714	0.023143	0.318243
	0.111611	2.294194	0.022997	0.317608
	-0.14756	-2.2922	0.023114	0.318134
SCNN1B;UBFD1;NDUFAB1;NPIPB5;SCNN1G;COG7	-0.33537	-2.28951	0.023273	0.318794
	-0.2163	-2.2942	0.022997	0.317608
	0.313825	2.294225	0.022995	0.317608
	0.259658	2.293567	0.023034	0.317794
	0.347681	2.292418	0.023101	0.318082
DOK2	-0.29693	-2.29203	0.023125	0.318156
COX7A2L	0.244932	2.296744	0.022847	0.316888
	0.256444	2.296139	0.022883	0.31705
ZNF366;ENSG00000261269	0.196299	2.293302	0.023049	0.317844
IFT46;USP2;C2CD2L;DSCAML1;CCDC153;USP2-AS1;MCAM;CBL;ENSG00000254590	-0.27703	-2.29385	0.023017	0.317694
	-0.1868	-2.2928	0.023079	0.317992
	-0.25578	-2.29736	0.022811	0.316707
	0.200244	2.293604	0.023032	0.317794
HAPLN3	0.248973	2.29115	0.023176	0.318374
NTM;TMEM45B;ST14	0.277739	2.293703	0.023026	0.317755
	0.211463	2.293768	0.023022	0.317723
	-0.21494	-2.28977	0.023258	0.318731
EHMT2	-0.26734	-2.29291	0.023073	0.317979
RBM43;RIF1	-0.34258	-2.29777	0.022788	0.316621
	0.235347	2.295426	0.022925	0.317293
DNAH12;C3orf67;IL17RD;RNU6-1181P;DENND6A;ASB14;ABHD6;ENSG00000237186;RNF7P1;RNU6-108P;ARHGEF3;ENSG00000242428;FLNB;DNASE1L3;SLMAP	-0.37811	-2.29114	0.023177	0.318374
	0.273841	2.294467	0.022981	0.317556
	0.16988	2.291108	0.023179	0.318374
	0.202676	2.288759	0.023318	0.319027
	-0.15108	-2.29199	0.023127	0.318156
	0.17293	2.293596	0.023032	0.317794
	0.238937	2.294283	0.022992	0.317608
	0.294587	2.294837	0.022959	0.317453
	0.254921	2.294151	0.022999	0.317608
	-0.4211	-2.29306	0.023064	0.3179
	-0.2225	-2.29631	0.022873	0.316986
	-0.32539	-2.29298	0.023068	0.317942
	0.294212	2.293062	0.023063	0.3179

CD300A;CD300LF;SLC16A5	0.225286	2.291927	0.02313	0.318162
DAD1	-0.27565	-2.2924	0.023102	0.318082
	-0.26564	-2.29359	0.023032	0.317794
	-0.18979	-2.28885	0.023313	0.319019
	0.210042	2.29534	0.02293	0.317331
	-0.14444	-2.29287	0.023075	0.317982
	0.125939	2.295915	0.022896	0.317118
SURF4	0.152457	2.288485	0.023334	0.31911
	0.221619	2.294647	0.02297	0.317517
	-0.30961	-2.29379	0.023021	0.317719
TRAF3IP1;TWIST2;ENSG00000232306	-0.27821	-2.29381	0.023019	0.31771
HOXD3	-0.23355	-2.29247	0.023098	0.318082
	-0.30691	-2.29557	0.022916	0.31729
PSMB8;PFDN6	0.199926	2.295726	0.022907	0.317223
	0.17088	2.289733	0.02326	0.318749
	0.122716	2.290341	0.023224	0.318648
	-0.21937	-2.29496	0.022952	0.317444
	-0.19129	-2.29341	0.023043	0.317821
ENSG00000255565	0.124605	2.296352	0.02287	0.316982
	0.331913	2.287053	0.02342	0.319428
	0.319431	2.296064	0.022887	0.317082
	-0.26223	-2.29184	0.023136	0.318202
	-0.17927	-2.29355	0.023035	0.317794
GIT2;ENSG00000256139	-0.18752	-2.29621	0.022879	0.317019
	0.188341	2.294603	0.022973	0.317517
	-0.25688	-2.2966	0.022856	0.316899
	0.210936	2.291459	0.023158	0.318317
	0.238039	2.294258	0.022993	0.317608
	0.319847	2.295552	0.022917	0.31729
	-0.1907	-2.29747	0.022805	0.316675
	0.220065	2.291459	0.023158	0.318317
RPL9P8	-0.19373	-2.29282	0.023078	0.317992
	0.248114	2.291495	0.023156	0.318308
DENND1C;TNFSF14;ENSG00000267262;VAV1;ENSG00000266983;RFX2	-0.22698	-2.29634	0.022871	0.316982
	-0.2444	-2.29112	0.023178	0.318374
MAP10	0.362628	2.29242	0.023101	0.318082
	-0.39451	-2.29515	0.02294	0.317389
	-0.36463	-2.29415	0.022999	0.317608
	0.289688	2.293514	0.023037	0.317795
HLA-DOA;HLA-DPB1;HLA-DMB;TAP2;HLA-DPA1;HLA-DRA;RPL32P1;HLA-DMA;TAP1;SYNGAP1;PSMB9;HLA-DOB;HLA-DQA2	0.312513	2.296607	0.022855	0.316899
	0.31935	2.292489	0.023097	0.318082
	0.254875	2.293854	0.023017	0.317694
ADAM9;EIF4EBP1	0.247759	2.294699	0.022967	0.317501
SLC2A10	-0.29723	-2.29553	0.022919	0.31729

	0.203896	2.289217	0.023291	0.318923
FMNL3;TMBIM6;LMBR1L	0.254112	2.293132	0.023059	0.317895
GATM	-0.36052	-2.29169	0.023144	0.31825
	0.219538	2.294014	0.023007	0.317653
MBOAT1;ID4	0.21458	2.295549	0.022917	0.31729
	-0.26196	-2.29587	0.022898	0.317123
	0.131432	2.290913	0.02319	0.318413
AGBL4;SPATA6	-0.15976	-2.28978	0.023257	0.318731
ENSG00000258449	0.128131	2.293393	0.023044	0.317822
	0.185326	2.297194	0.022821	0.316755
FRMPD2;C10orf128	0.261415	2.291597	0.02315	0.318272
	0.149683	2.293257	0.023052	0.31785
ZDHHC23;TIGIT;GRAMD1C;KIAA1407	-0.32611	-2.29419	0.022997	0.317608
ENSG00000262370;CDIP1;IL32;FLYWCH1;C16orf71;GLIS2	-0.33261	-2.29346	0.02304	0.317821
	-0.15971	-2.29058	0.02321	0.318541
	-0.23663	-2.29217	0.023116	0.318134
RNF166;CBFA2T3;PIEZO1	0.191246	2.291985	0.023127	0.318156
ZNF57;MOB3A;GNG7;S1PR4	-0.36799	-2.2902	0.023233	0.318667
	0.216497	2.290242	0.02323	0.318667
	-0.29303	-2.28895	0.023307	0.319003
	0.202109	2.291027	0.023184	0.318374
MOCS1;DAAM2	0.229294	2.293886	0.023015	0.317694
FZD7;CASP8;ENSG00000182329;ALS2CR12;NDUFB3;ALS2;ENSG				
00000238770;BMPR2;NIF3L1;CFLAR	0.300244	2.289327	0.023284	0.318893
	0.235537	2.294408	0.022984	0.317561
	-0.31377	-2.29354	0.023035	0.317794
LAX1	0.18895	2.293714	0.023025	0.317755
	-0.2101	-2.29448	0.02298	0.317554
AMPD3;MRVI1-AS1	-0.26165	-2.29413	0.023001	0.317615
	0.252881	2.295552	0.022917	0.31729
ENSG00000254980;C11orf1	-0.29457	-2.29476	0.022963	0.31747
FGFR2	0.506352	2.292897	0.023073	0.317979
	-0.32376	-2.29358	0.023033	0.317794
	0.238732	2.291858	0.023134	0.318202
	0.207312	2.290725	0.023202	0.318458
ENSG00000271553	-0.22226	-2.2873	0.023405	0.31939
STAT5A	0.201399	2.295591	0.022915	0.31729
IGJ	-0.39115	-2.29204	0.023124	0.318156
	0.19678	2.291775	0.023139	0.318214
	-0.26158	-2.2931	0.023061	0.317895
	0.166851	2.290562	0.023211	0.318545
	0.203036	2.294764	0.022963	0.31747
	0.276224	2.292341	0.023106	0.318113
	-0.38947	-2.29405	0.023005	0.317653
EBF3	-0.30545	-2.29227	0.02311	0.318134
	-0.20322	-2.28871	0.023321	0.319029
	0.185998	2.294495	0.022979	0.317553

	0.332032	2.293578	0.023033	0.317794
UQCC2	-0.22985	-2.29253	0.023095	0.318082
	0.185175	2.293102	0.023061	0.317895
TMEM204;HN1L	0.224518	2.292497	0.023097	0.318082
SLC6A9;IPP;TMEM53;TMEM69;CCDC24	0.143564	2.292676	0.023086	0.318045
	0.172212	2.287779	0.023377	0.319337
	0.309381	2.28951	0.023274	0.318794
	-0.23878	-2.29017	0.023234	0.318667
	-0.29352	-2.29214	0.023118	0.318134
	-0.28635	-2.295	0.022949	0.317444
ATP6V1G1;ENSG00000237073	-0.1942	-2.29335	0.023046	0.317824
ZNF33B	-0.23399	-2.29532	0.022931	0.317333
DNAJC16;FHAD1;KAZN	-0.34002	-2.28731	0.023405	0.31939
	-0.25763	-2.29311	0.023061	0.317895
	-0.21269	-2.29005	0.023241	0.318684
	-0.17618	-2.29474	0.022965	0.317477
ALG1L;MCM2	0.171407	2.288274	0.023347	0.319179
	0.3288	2.292609	0.02309	0.318049
CD27;SCNN1A;LTBR	-0.30477	-2.29548	0.022922	0.31729
	0.148622	2.29415	0.022999	0.317608
	-0.24416	-2.28716	0.023414	0.319421
PTPRB;KCNMB4	0.256869	2.295566	0.022916	0.31729
	-0.26006	-2.29159	0.02315	0.318272
LPCAT1;NKD2;TRIP13;MRPL36;NDUFS6	-0.24649	-2.29018	0.023234	0.318667
APBA2	0.203646	2.292788	0.02308	0.317994
	0.172824	2.292427	0.023101	0.318082
	0.204622	2.293421	0.023042	0.317821
	0.257377	2.29276	0.023081	0.317998
	-0.22275	-2.29222	0.023113	0.318134
RFX8;TBC1D8;AFF3;NPAS2;CNOT11;ENSG00000272902	0.304879	2.288628	0.023326	0.319055
	0.190534	2.291212	0.023173	0.318354
HEG1	0.168649	2.289643	0.023266	0.318763
	0.263146	2.290596	0.023209	0.318541
	0.23364	2.290899	0.023191	0.318414
	0.151437	2.293322	0.023048	0.317839
RPL3P2	-0.21705	-2.29128	0.023169	0.318345
	0.233193	2.292812	0.023078	0.317992
	-0.16694	-2.29135	0.023165	0.318328
LINC00982;RER1	0.226029	2.290292	0.023227	0.318667
C6orf10;ZBTB9;HSD17B8;B3GALT4;TAP2	-0.23166	-2.28736	0.023402	0.319386
SLBP;ZNF876P	-0.27312	-2.29072	0.023202	0.318458
	-0.38411	-2.28981	0.023256	0.318731
	0.148441	2.290227	0.023231	0.318667
	0.183406	2.291051	0.023182	0.318374
	0.230067	2.288988	0.023305	0.319003
	0.127826	2.28677	0.023437	0.319518
	-0.40845	-2.29461	0.022972	0.317517

	-0.25883	-2.28978	0.023257	0.318731
WBSCR22;ELN;ABHD11;WBSCR27;CLDN4;CLIP2	0.280066	2.291636	0.023148	0.318272
ADAM12;FANK1;DHX32;FANK1-AS1	-0.2586	-2.28894	0.023307	0.319003
PPARGC1B	-0.38995	-2.28639	0.02346	0.319635
ADCY4;NFATC4;GZMB;PSME2	0.230683	2.289949	0.023247	0.318728
	-0.27602	-2.29255	0.023093	0.318081
BAIAP2	-0.33072	-2.29324	0.023053	0.31785
DENND3	-0.21659	-2.2922	0.023114	0.318134
	0.218046	2.292626	0.023089	0.318049
FLI1;SENCR;TP53AIP1;ARHGAP32;ETS1	-0.33431	-2.28987	0.023252	0.318731
LETM1	0.238885	2.289073	0.0233	0.319003
	-0.26558	-2.28337	0.023641	0.320455
	-0.1574	-2.29084	0.023195	0.318441
	0.347728	2.289405	0.02328	0.318852
IRX3	-0.26853	-2.2819	0.023729	0.320867
	-0.12022	-2.28896	0.023306	0.319003
	0.28663	2.29329	0.02305	0.317844
	-0.25558	-2.28932	0.023285	0.318893
TCP1	-0.26283	-2.29425	0.022994	0.317608
RNF150;H3F3AP6;ELMOD2;SCOC	-0.34809	-2.2916	0.02315	0.318272
	0.265982	2.29294	0.023071	0.317964
TBC1D10C;UNC93B1;GSTP1;ALDH3B1;ALDH3B2;CD248;FAM86C2P;PITPNM1;ENSG00000255306;SPTBN2	-0.28085	-2.29012	0.023237	0.318668
	-0.1859	-2.29096	0.023188	0.318405
HLA-DMA;HLA-DOA;HLA-DMB;HLA-DPB1;HLA-DPA1;TAPBP;HSD17B8;UQCC2	0.266981	2.293974	0.02301	0.317668
	-0.31476	-2.29179	0.023139	0.318214
	-0.34733	-2.29401	0.023008	0.317653
MLKL	-0.27206	-2.29163	0.023148	0.318272
	0.306292	2.289934	0.023248	0.318728
	0.20169	2.293503	0.023038	0.317795
	-0.17721	-2.28666	0.023443	0.319522
	0.168171	2.287488	0.023394	0.319337
	0.109367	2.290219	0.023231	0.318667
	0.191656	2.290746	0.0232	0.318458
	0.204736	2.291162	0.023176	0.318374
	-0.38995	-2.28965	0.023265	0.318763
LINC00638	-0.22663	-2.28877	0.023317	0.319027
	-0.27446	-2.29233	0.023107	0.318114
HLA-K;HLA-H	-0.18842	-2.28767	0.023383	0.319337
	-0.25521	-2.28821	0.023351	0.3192
	0.215024	2.291351	0.023164	0.318328
	0.093403	2.286694	0.023441	0.319522
GLIS2;CREBBP;CDIP1	-0.3146	-2.29059	0.02321	0.318541
	0.314095	2.28461	0.023566	0.320157
	0.155099	2.291044	0.023183	0.318374
	0.202738	2.289855	0.023253	0.318731

	-0.1683	-2.29241	0.023102	0.318082
	0.28147	2.291842	0.023135	0.318202
	0.237551	2.291936	0.02313	0.318162
	0.272594	2.29138	0.023163	0.318328
	0.262327	2.291954	0.023129	0.318162
	0.316614	2.290358	0.023223	0.318648
	-0.19279	-2.29014	0.023236	0.318668
CARS;MRPL23;KCNQ1;NAP1L4	-0.20744	-2.28759	0.023388	0.319337
	0.230775	2.288412	0.023339	0.319123
	0.239327	2.292173	0.023116	0.318134
	0.239087	2.288036	0.023361	0.319281
SELL	-0.31445	-2.29193	0.02313	0.318162
TXNDC11	0.204795	2.29081	0.023196	0.318451
	0.296045	2.292151	0.023117	0.318134
TTC39A;CDKN2C;ENSG00000261664	0.358143	2.290797	0.023197	0.318451
	0.190189	2.281842	0.023733	0.320871
	0.232765	2.287073	0.023419	0.319426
	-0.2651	-2.29005	0.023241	0.318684
	0.184137	2.289887	0.023251	0.318731
	0.167657	2.283129	0.023655	0.32047
	-0.15424	-2.28913	0.023296	0.318974
	0.215838	2.285491	0.023513	0.319846
	0.300426	2.288805	0.023315	0.319026
	0.28467	2.289383	0.023281	0.318859
	0.273492	2.289831	0.023254	0.318731
EVI2B;ADAP2	-0.22033	-2.28957	0.02327	0.318794
	-0.25061	-2.29156	0.023152	0.318288
GARNL3;TRUB2;PKN3	0.276218	2.294023	0.023007	0.317653
	0.34563	2.287593	0.023388	0.319337
	-0.39707	-2.29381	0.023019	0.31771
TIE1;TMEM125;CCDC30;LEPRE1;WDR65;PTPRF;C1orf210;TMSB4XP1;FAM183A;ENSG00000236180	-0.46828	-2.2915	0.023156	0.318308
GRAMD3	-0.35958	-2.28736	0.023402	0.319386
	0.185969	2.29203	0.023124	0.318156
	0.211879	2.290775	0.023199	0.318454
RER1	0.178263	2.291026	0.023184	0.318374
	0.208318	2.291236	0.023171	0.318345
	0.216136	2.288181	0.023353	0.3192
	-0.2562	-2.29007	0.02324	0.318684
	0.143941	2.289523	0.023273	0.318794
	-0.1756	-2.29124	0.023171	0.318345
SPON1;PDE3B	-0.5088	-2.28964	0.023266	0.318763
	-0.12453	-2.28967	0.023264	0.318763
RUNX3	0.413652	2.292544	0.023094	0.318081
	0.211549	2.288538	0.023331	0.319088
	0.234842	2.285671	0.023502	0.31981
ANKRD24	0.252961	2.291031	0.023183	0.318374

TTYH2;FBF1;HN1;MYO15B	-0.19634	-2.29141	0.023161	0.318322
SIPA1L2;NTPCR	-0.41246	-2.28888	0.023311	0.319019
	-0.21871	-2.29073	0.023201	0.318458
	-0.22987	-2.28703	0.023421	0.319428
	-0.26538	-2.28858	0.023329	0.319073
SLC25A27	0.25002	2.28875	0.023319	0.319027
CTDP1	-0.25543	-2.28333	0.023643	0.320461
	0.290606	2.290413	0.02322	0.318635
SUN1;PSMG3	0.255042	2.289267	0.023288	0.318914
	0.2391	2.287669	0.023383	0.319337
	0.265322	2.288772	0.023317	0.319027
	-0.36283	-2.28903	0.023302	0.319003
SCARA5	0.223801	2.287795	0.023376	0.319337
BRI3;ZKSCAN1	0.274065	2.291317	0.023166	0.318341
ARHGAP29;ABCD3	0.328104	2.291283	0.023168	0.318345
	0.177938	2.29016	0.023235	0.318667
	0.185639	2.290122	0.023237	0.318668
	0.339242	2.292205	0.023114	0.318134
	0.238751	2.291403	0.023161	0.318322
	0.268604	2.287705	0.023381	0.319337
	0.277531	2.289777	0.023258	0.318731
	0.185556	2.292207	0.023114	0.318134
	-0.31059	-2.28924	0.02329	0.318917
C6orf10;CLIC1;HSPA1A	-0.25236	-2.28886	0.023312	0.319019
CCDC92	0.263623	2.284349	0.023582	0.320208
	-0.20947	-2.28772	0.02338	0.319337
PUS1;ENSG00000256151	-0.3004	-2.28678	0.023436	0.319518
	0.24798	2.292876	0.023074	0.317982
MPRIP;TRIM16L;ENSG00000174977;SMCR8;COPS3	-0.36391	-2.28682	0.023433	0.319513
	0.298489	2.292071	0.023122	0.318156
	0.219209	2.288801	0.023316	0.319026
PTPN22;AMPD1	0.258402	2.288098	0.023358	0.319241
	0.226336	2.290051	0.023241	0.318684
	0.27324	2.288661	0.023324	0.319043
	0.165509	2.290183	0.023234	0.318667
	0.309882	2.291999	0.023126	0.318156
	0.254405	2.288163	0.023354	0.3192
MRGPRF	-0.23899	-2.28633	0.023463	0.319674
	-0.194	-2.28535	0.023521	0.319917
	-0.26826	-2.29144	0.023159	0.31832
GAL3ST2	-0.16083	-2.28771	0.023381	0.319337
	0.166237	2.288391	0.02334	0.319123
	-0.18732	-2.29034	0.023224	0.318648
	0.229966	2.28844	0.023337	0.319123
	0.325789	2.286782	0.023436	0.319518
PLIN3;MRPL54	-0.20337	-2.29094	0.023189	0.318411
	0.23939	2.287151	0.023414	0.319421

PADI1	-0.24246	-2.2895	0.023274	0.318794
	-0.16036	-2.28821	0.023351	0.3192
	-0.31224	-2.29101	0.023184	0.318374
	-0.22331	-2.28104	0.023781	0.32108
NME4;MSLN;ENSG00000196674;RGS11;TPSD1;CACNA1H;MSL				
NL	-0.26858	-2.28968	0.023263	0.318763
	0.130317	2.284853	0.023552	0.32008
	-0.12196	-2.29023	0.023231	0.318667
	-0.19112	-2.28927	0.023288	0.318914
HHIPL1	-0.32062	-2.28752	0.023392	0.319337
	0.19453	2.286133	0.023475	0.319737
FAM192A	0.294609	2.288502	0.023333	0.319106
	-0.18396	-2.29242	0.023101	0.318082
	0.124771	2.291262	0.02317	0.318345
	0.362013	2.287955	0.023366	0.31931
	0.239626	2.291756	0.023141	0.318219
	0.216738	2.286495	0.023453	0.319598
	-0.21397	-2.28983	0.023255	0.318731
VASH1;IFT43;CIPC;AHSA1;SPTLC2;C14orf166B;ANGEL1;GPATCH				
2L;SLIRP	0.262504	2.288426	0.023338	0.319123
PTPN7;TMEM183A;ELF3;CYB5R1;TIMM17A;PPFIA4	-0.18736	-2.28505	0.02354	0.320035
TRAF4;TLCD1;SPAG5;KIAA0100;NLK	0.308701	2.289503	0.023274	0.318794
	0.169993	2.290335	0.023225	0.318648
	0.121208	2.287527	0.023392	0.319337
	0.414591	2.288593	0.023328	0.319073
	0.090523	2.275468	0.024121	0.322435
RNF213;NPLOC4;PYCR1	0.158148	2.286122	0.023475	0.319737
	0.132052	2.287864	0.023371	0.319337
WDR54;ALMS1;C2orf81	-0.28142	-2.2896	0.023268	0.318785
THBS2;MLLT4;SMOC2	-0.28665	-2.28144	0.023757	0.320983
SLC25A17	-0.27984	-2.28788	0.023371	0.319337
	-0.14833	-2.28415	0.023594	0.320236
GVINP1	0.209498	2.285643	0.023504	0.31981
	-0.31185	-2.28801	0.023363	0.319296
	0.140704	2.288712	0.023321	0.319029
USP10;ATP2C2;IRF8;COTL1	-0.2823	-2.2851	0.023536	0.320029
	-0.25732	-2.28837	0.023341	0.319123
	0.117015	2.284226	0.023589	0.320216
	-0.1796	-2.28157	0.023749	0.32094
ENSG00000247081;BAALC;AZIN1;ENSG00000246263;ENSG000				
00253320;RIMS2	-0.23248	-2.28823	0.02335	0.3192
PAG1	0.326337	2.286989	0.023424	0.319434
	0.222635	2.28989	0.023251	0.318731
	-0.21018	-2.28722	0.02341	0.319406
	0.218061	2.288974	0.023305	0.319003
	-0.1668	-2.2884	0.023339	0.319123

MYO1C;C17orf97;SCARF1;SLC43A2;HIC1;NXN;YWHAE;SMG6;E				
NSG00000263050	-0.24678	-2.28884	0.023314	0.319019
RUNX3	0.323578	2.288434	0.023338	0.319123
TTC28;XBP1;MTMR3	-0.29089	-2.28697	0.023425	0.319436
	0.224314	2.28315	0.023654	0.32047
	-0.38135	-2.28895	0.023307	0.319003
JAK3;FCHO1;B3GNT3	-0.17563	-2.28545	0.023516	0.319868
	0.147445	2.28742	0.023398	0.319363
	0.234444	2.284892	0.023549	0.320075
	-0.24238	-2.28574	0.023498	0.319789
ARNT	0.31772	2.291625	0.023148	0.318272
	-0.36804	-2.28382	0.023614	0.320312
	-0.19838	-2.2877	0.023381	0.319337
ENSG00000224387	-0.20573	-2.2857	0.023501	0.319805
ZNF540;SPINT2;ZNF781	-0.28396	-2.28895	0.023307	0.319003
	0.157968	2.288344	0.023343	0.319133
	0.329055	2.288862	0.023312	0.319019
FGD2	-0.21629	-2.29093	0.02319	0.318413
HLA-K;HLA-H	-0.29688	-2.28698	0.023424	0.319434
	0.254937	2.286722	0.02344	0.319518
	0.198248	2.288538	0.023331	0.319088
	-0.19569	-2.28385	0.023612	0.320309
	0.248752	2.28223	0.023709	0.320788
	0.177375	2.286481	0.023454	0.319599
CDH5;CMTM4;CDH11;BEAN1	-0.39226	-2.28994	0.023248	0.318728
	0.208798	2.287135	0.023415	0.319422
ITGAE	-0.26463	-2.29088	0.023193	0.318422
	-0.21341	-2.28751	0.023393	0.319337
EGFL7;UAP1L1	0.166151	2.288979	0.023305	0.319003
	0.318184	2.287939	0.023367	0.31931
	0.199027	2.285892	0.023489	0.319769
	0.197408	2.283709	0.02362	0.320353
	-0.35865	-2.2875	0.023393	0.319337
	0.224099	2.284198	0.023591	0.320216
ZNF808	0.293873	2.287975	0.023365	0.31931
	0.251401	2.290359	0.023223	0.318648
FAM78A	0.296381	2.288872	0.023311	0.319019
VDR	0.255419	2.288669	0.023324	0.319043
ENSG00000249574	-0.22013	-2.27833	0.023946	0.321598
	-0.20239	-2.28999	0.023245	0.318721
	-0.17972	-2.28925	0.023289	0.318917
	-0.23285	-2.28865	0.023324	0.319043
	0.255346	2.282486	0.023694	0.32067
	0.35847	2.282355	0.023702	0.320737
SLFN12L;CCL5	0.229317	2.28463	0.023565	0.320157
	0.319117	2.289531	0.023272	0.318794
RCBTB1;KPNA3;TRIM13;EBPL	-0.28308	-2.28043	0.023818	0.321174

	-0.42527	-2.28709	0.023418	0.319426
SLCO4A1;SLC17A9;COL9A3;OSBPL2;GATA5	-0.32251	-2.28644	0.023457	0.319603
FMN2	-0.17408	-2.28488	0.02355	0.320075
	-0.22007	-2.28759	0.023388	0.319337
	0.213419	2.283233	0.023649	0.32047
	0.280814	2.287766	0.023377	0.319337
	0.232551	2.287409	0.023399	0.319363
	-0.32609	-2.28593	0.023487	0.319769
	0.349657	2.279665	0.023865	0.321362
	-0.17297	-2.28315	0.023654	0.32047
	-0.18248	-2.28661	0.023446	0.319556
ESRP1;PLEKHF2;DPY19L4	-0.38649	-2.28335	0.023642	0.320455
	0.277646	2.286522	0.023452	0.319596
	-0.25129	-2.27903	0.023903	0.321455
	0.251029	2.280416	0.023819	0.321174
	0.381643	2.288162	0.023354	0.3192
	-0.22033	-2.28817	0.023353	0.3192
NID2	-0.294	-2.28596	0.023485	0.319769
	-0.28982	-2.28579	0.023495	0.319787
	0.325519	2.287939	0.023367	0.31931
	-0.2115	-2.28494	0.023546	0.320064
	0.205423	2.285244	0.023528	0.319966
	-0.18715	-2.28487	0.02355	0.320075
	0.277229	2.290448	0.023218	0.318617
	-0.259	-2.28323	0.023649	0.32047
SLC25A12;METAP1D	-0.20958	-2.28393	0.023607	0.320287
	0.373061	2.288721	0.02332	0.319029
CTTN	0.227385	2.285878	0.02349	0.319769
	-0.2122	-2.28751	0.023392	0.319337
PTPN20A	0.206763	2.287562	0.023389	0.319337
CTSW	-0.33126	-2.28837	0.023341	0.319123
	0.212974	2.286874	0.023431	0.3195
	-0.21571	-2.2854	0.023518	0.319896
CLINT1;ENSG00000253811;EBF1	-0.27227	-2.27839	0.023942	0.321598
C6orf132;GLTSCR1L;RPL7L1;MED20	-0.26131	-2.28775	0.023378	0.319337
	-0.37798	-2.28168	0.023743	0.32094
	0.19012	2.287758	0.023378	0.319337
	-0.14734	-2.28362	0.023626	0.320353
	-0.2037	-2.28743	0.023398	0.319363
	0.255084	2.288845	0.023313	0.319019
MFNG;CSF2RB;IL2RB;LGALS1	-0.32914	-2.28431	0.023584	0.320214
	0.291894	2.285145	0.023534	0.320016
TNFRSF10C	0.238464	2.287306	0.023405	0.31939
BAI1;RHPN1-AS1	-0.28299	-2.28561	0.023506	0.31981
	-0.2011	-2.28431	0.023584	0.320214
	-0.27224	-2.28666	0.023443	0.319522
	0.299718	2.285678	0.023502	0.31981

CSGALNACT1;PSD3;SH2D4A;INTS10;NAT1;ASAH1	-0.34297	-2.28379	0.023616	0.320312
	-0.27964	-2.28565	0.023504	0.31981
	0.329626	2.286068	0.023479	0.319737
	-0.31716	-2.28904	0.023302	0.319003
	-0.26186	-2.28425	0.023588	0.320216
	-0.26288	-2.28755	0.02339	0.319337
	0.270503	2.283048	0.02366	0.320517
	-0.28459	-2.28515	0.023534	0.320016
TLE2	-0.35844	-2.28941	0.02328	0.318852
	-0.28153	-2.28608	0.023478	0.319737
	-0.23462	-2.28046	0.023817	0.321174
	-0.16691	-2.28281	0.023674	0.320589
ZMYM4-AS1	-0.21259	-2.28393	0.023607	0.320287
	-0.30453	-2.28529	0.023525	0.319948
GMDS;FOXF2	0.314548	2.287276	0.023407	0.3194
	0.20289	2.281843	0.023733	0.320871
F10;GAS6	0.232258	2.28466	0.023563	0.320154
	0.284285	2.289052	0.023301	0.319003
HEBP1	-0.27039	-2.28718	0.023412	0.319419
	0.165895	2.282342	0.023703	0.320737
	0.209405	2.2878	0.023375	0.319337
	0.213607	2.285547	0.02351	0.31983
PPP4R1	0.290193	2.281598	0.023747	0.32094
	0.241348	2.284508	0.023572	0.320196
GP5	-0.2989	-2.28272	0.02368	0.320626
	-0.14703	-2.28346	0.023635	0.320427
	-0.21456	-2.28319	0.023651	0.32047
ZNHIT2	0.104263	2.279879	0.023852	0.321302
	0.282947	2.283472	0.023634	0.320424
	0.14252	2.283139	0.023655	0.32047
	0.112577	2.28035	0.023823	0.321185
	0.198078	2.283387	0.02364	0.320453
	-0.21907	-2.27986	0.023852	0.321302
	-0.26357	-2.28606	0.023479	0.319737
	0.281666	2.285498	0.023513	0.319846
	-0.53277	-2.28154	0.023751	0.32094
PPFIA4;UBE2T;CYB5R1;PPP1R12B	-0.23774	-2.28624	0.023469	0.319726
	-0.38787	-2.28704	0.023421	0.319428
	-0.31078	-2.28722	0.02341	0.319406
	-0.2085	-2.28561	0.023506	0.31981
	0.29777	2.285938	0.023487	0.319769
SCAMP2	-0.28686	-2.28441	0.023578	0.320208
	0.302984	2.283638	0.023625	0.320353
	-0.19734	-2.28213	0.023715	0.320816
ZKSCAN1;COPS6	0.35918	2.28712	0.023416	0.319422
	-0.20073	-2.28655	0.02345	0.319593
	0.235519	2.286862	0.023431	0.3195

ENSG00000270614;OLFM2	-0.20522	-2.28613	0.023475	0.319737
	-0.1975	-2.28762	0.023386	0.319337
	-0.31858	-2.27913	0.023897	0.321448
	0.26228	2.283347	0.023642	0.320455
NUP88;CXCL16	0.430132	2.284658	0.023563	0.320154
	0.257969	2.286147	0.023474	0.319737
	0.283052	2.285079	0.023538	0.320035
TRNP1;SFN;AIM1L;C1orf172;MED18;THEMIS2	-0.3594	-2.28117	0.023773	0.321042
	0.230452	2.284285	0.023586	0.320216
MAPK12	0.215548	2.286445	0.023456	0.319603
	0.257245	2.285019	0.023542	0.320035
	0.265078	2.282909	0.023668	0.320568
	-0.29681	-2.28321	0.02365	0.32047
SNRPD2	0.145061	2.28753	0.023391	0.319337
	0.236551	2.281275	0.023767	0.320988
	0.185337	2.285009	0.023542	0.320035
	0.155391	2.281099	0.023778	0.321072
	0.169501	2.285381	0.02352	0.319905
	0.232352	2.283777	0.023616	0.320312
	0.209029	2.285561	0.023509	0.31983
	-0.34935	-2.28677	0.023437	0.319518
	0.1862	2.281542	0.023751	0.32094
PLXNB1;P4HTM;FBXW12;PRKAR2A-AS1	0.247188	2.28441	0.023578	0.320208
	0.25086	2.28443	0.023577	0.320208
	0.216316	2.287069	0.023419	0.319426
	0.144498	2.286254	0.023468	0.319723
	-0.36354	-2.28606	0.023479	0.319737
	0.122223	2.279914	0.023849	0.321302
	-0.25321	-2.28061	0.023807	0.321152
	-0.302	-2.28437	0.023581	0.320208
WIPF1	0.322844	2.286539	0.023451	0.319593
	0.337241	2.285824	0.023493	0.319769
BPIFB1	0.20769	2.282362	0.023701	0.320737
SNORA23	0.278447	2.284303	0.023585	0.320214
	-0.16854	-2.28061	0.023807	0.321152
KRT7;GALNT6;KRT80	-0.25271	-2.28651	0.023453	0.319598
TAP1;TAPSAR1;HLA-DMA;PSMB9;TAP2;HLA-DMB	-0.24499	-2.28915	0.023295	0.318967
	0.267099	2.286728	0.023439	0.319518
	0.340727	2.285735	0.023499	0.319789
SLC45A1;CAMTA1;PER3	-0.32612	-2.28157	0.023749	0.32094
	-0.14494	-2.28009	0.023839	0.321244
ANKRD9;ENSG00000259508	-0.34209	-2.28397	0.023605	0.320287
	-0.19775	-2.2862	0.023471	0.319737
	0.244764	2.27916	0.023895	0.321448
	0.312239	2.2825	0.023693	0.32067
ENSG00000259881;PIEZO1;CBFA2T3;ENSG00000261226;ENSG00000224888;TRAPPC2L;ANKRD11;ZFPM1	-0.23714	-2.28249	0.023694	0.32067

FAM149A;ORAOV1P1	0.274698	2.277766	0.02398	0.321682
ENSG00000261659;ENSG00000196674;SOX8;NME4	0.420136	2.286049	0.02348	0.319737
	-0.2436	-2.28774	0.023379	0.319337
	0.284611	2.282892	0.023669	0.320572
	-0.25762	-2.28057	0.02381	0.321152
	0.240439	2.281027	0.023782	0.32108
	0.243933	2.283438	0.023636	0.320431
	-0.26339	-2.282	0.023723	0.32084
	0.199197	2.287678	0.023383	0.319337
	0.268409	2.282584	0.023688	0.320665
	0.366992	2.285841	0.023492	0.319769
TRAC;RBM23	-0.39546	-2.28583	0.023493	0.319769
	0.244816	2.282113	0.023716	0.320816
	0.115949	2.278672	0.023925	0.321537
IFRD2	-0.17518	-2.2856	0.023507	0.31981
	0.222102	2.285206	0.02353	0.319987
	0.280145	2.285877	0.02349	0.319769
	0.275602	2.284379	0.02358	0.320208
ZNF532;ATP8B1	-0.34259	-2.28646	0.023455	0.319603
P2RX4;P2RX7;KNTC1	0.417104	2.287112	0.023416	0.319422
ROR1	-0.2908	-2.27923	0.023891	0.321448
F10;TUBGCP3;ADPRHL1	0.259529	2.280277	0.023827	0.321204
ARAP3;PCDHGA5;PCDH1	0.244239	2.280906	0.023789	0.321109
	0.228302	2.284936	0.023547	0.320064
	0.152262	2.28194	0.023727	0.320842
ITGB7;KRT80	-0.29583	-2.28725	0.023408	0.319406
	0.288076	2.280183	0.023833	0.321223
	0.151692	2.279077	0.0239	0.321448
SMAD7	-0.27557	-2.28426	0.023587	0.320216
	0.295208	2.28748	0.023394	0.319337
	-0.34013	-2.2847	0.02356	0.320141
CCND2;TSPAN9;PARP11;AKAP3;ENSG00000250770	-0.24812	-2.28143	0.023758	0.320983
WSB1	0.211321	2.283636	0.023625	0.320353
MANF;ALAS1;VPRBP	0.171632	2.284462	0.023575	0.320196
TLR1	-0.25661	-2.27963	0.023867	0.321367
FARP2	0.290345	2.285851	0.023492	0.319769
SRSF3	-0.20005	-2.28584	0.023493	0.319769
	0.171642	2.287189	0.023412	0.319419
	0.15497	2.286162	0.023473	0.319737
ENSG00000259881;CBFA2T3	0.257891	2.283675	0.023622	0.320353
	0.197513	2.286994	0.023423	0.319434
CPXM2	0.214077	2.283242	0.023648	0.32047
	0.243612	2.284837	0.023552	0.32008
	-0.25411	-2.28096	0.023786	0.321109
SGIP1	-0.35164	-2.27683	0.024037	0.321931
	0.188183	2.286854	0.023432	0.3195
	-0.18112	-2.28512	0.023535	0.320022

IGHV3-7;CEP170B;IGHV1-2;IGHG3;IGHA1;C14orf80;IGHV3-11;IGHM	-0.15756	-2.28379	0.023616	0.320312
	0.27917	2.278251	0.023951	0.321608
	0.248732	2.286023	0.023481	0.319749
	-0.27073	-2.28465	0.023564	0.320154
	-0.22192	-2.28674	0.023438	0.319518
	0.277838	2.28609	0.023477	0.319737
CERK;CELSR1;WNT7B;ATXN10;FBLN1	-0.36501	-2.27743	0.024	0.321756
TESC	-0.3301	-2.2845	0.023572	0.320196
	-0.12952	-2.28201	0.023723	0.32084
	0.297285	2.286718	0.02344	0.319518
	0.214181	2.285021	0.023541	0.320035
TSSC1	0.197496	2.284544	0.02357	0.320196
	-0.20984	-2.28255	0.02369	0.32067
LINC00675;MYH3	-0.33966	-2.28301	0.023662	0.320517
	-0.26958	-2.28734	0.023403	0.319387
ENSG00000167765;KLK11	-0.28031	-2.28361	0.023626	0.320353
	-0.30768	-2.2842	0.023591	0.320216
	0.329114	2.284089	0.023597	0.320251
RALGPS2	0.272792	2.283954	0.023605	0.320287
	-0.25149	-2.2816	0.023747	0.32094
	0.309071	2.284811	0.023554	0.320085
	0.173554	2.287237	0.023409	0.319406
	0.176733	2.284883	0.02355	0.320075
	-0.28233	-2.27963	0.023867	0.321367
	-0.36813	-2.28574	0.023498	0.319789
TFAP2C;RAE1	0.401094	2.286113	0.023476	0.319737
	0.194136	2.28074	0.023799	0.321132
	0.280638	2.279379	0.023882	0.321436
	-0.2405	-2.2875	0.023393	0.319337
SMO;TSPAN33;HILPDA;UBE2H;SND1	-0.20299	-2.27605	0.024085	0.322237
	0.180822	2.28286	0.023671	0.320577
	-0.28821	-2.28198	0.023724	0.32084
	-0.17885	-2.27936	0.023883	0.321436
TVP23B;SNORD3B-1	-0.35154	-2.28281	0.023675	0.320589
ZHX2;FAM83A;ENSG00000254000;FER1L6;FAM83A-AS1	-0.32407	-2.28757	0.023389	0.319337
	0.282602	2.284189	0.023591	0.320216
	-0.26887	-2.28136	0.023762	0.320986
RAD51-AS1	0.254482	2.283693	0.023621	0.320353
	0.251376	2.285244	0.023528	0.319966
	0.249058	2.281195	0.023772	0.321034
	-0.2873	-2.28505	0.02354	0.320035
	-0.27952	-2.28612	0.023475	0.319737
	-0.26923	-2.28582	0.023493	0.319769
	-0.14018	-2.28263	0.023685	0.320641
	0.245968	2.283481	0.023634	0.320424
	-0.20869	-2.28435	0.023582	0.320208

	-0.15744	-2.28597	0.023484	0.319769
THNSL1;OTUD1	-0.33058	-2.27834	0.023945	0.321598
	-0.18923	-2.28249	0.023694	0.32067
	-0.31078	-2.28194	0.023727	0.320842
TTC18;DNAJC9-AS1	0.148146	2.279668	0.023864	0.321362
	-0.25304	-2.28315	0.023654	0.32047
	0.225138	2.283794	0.023615	0.320312
	0.426575	2.283928	0.023607	0.320287
TMEM255B;TMCO3;TFDP1;CDC16	-0.31148	-2.28473	0.023559	0.320129
	0.227937	2.283232	0.023649	0.32047
DPYSL4	-0.4257	-2.28448	0.023574	0.320196
XBP1	-0.33167	-2.27893	0.023909	0.321482
	-0.13252	-2.28153	0.023751	0.32094
	-0.29728	-2.28199	0.023724	0.32084
ZNF280D	-0.22272	-2.28667	0.023443	0.319522
TSR1;CRK;ENSG00000263050;SLC43A2	-0.15476	-2.2839	0.023609	0.320295
	0.262742	2.27962	0.023867	0.321367
	0.115222	2.284947	0.023546	0.320064
	-0.32244	-2.28186	0.023732	0.320871
	0.285336	2.28008	0.023839	0.321246
	0.21552	2.280646	0.023805	0.321152
	0.222843	2.272153	0.024324	0.323417
	-0.19049	-2.28303	0.023661	0.320517
	0.237191	2.283014	0.023662	0.320517
RSPH1;TMPRSS3	-0.28587	-2.28529	0.023525	0.319948
	0.248893	2.279053	0.023902	0.321455
	0.272924	2.284093	0.023597	0.320251
	0.125818	2.28023	0.02383	0.321204
COL9A2;PABPC4;PPIE;SMAP2	0.226059	2.274604	0.024173	0.322625
TTC23;ARRDC4	-0.29434	-2.28267	0.023683	0.320633
	0.28459	2.283196	0.023651	0.32047
	-0.23103	-2.27876	0.02392	0.321517
HES6;TRAF3IP1;TWIST2	0.292634	2.281809	0.023735	0.320888
	0.272232	2.281582	0.023748	0.32094
	0.244801	2.2815	0.023753	0.320956
	0.154185	2.282702	0.023681	0.320626
	-0.1322	-2.27643	0.024062	0.322084
	-0.10948	-2.2828	0.023675	0.320589
	0.169092	2.283962	0.023605	0.320287
	0.184386	2.278904	0.023911	0.321482
	-0.1667	-2.28082	0.023795	0.321109
COX7A2;RPL39P3	0.263597	2.284083	0.023598	0.320251
VPS52	-0.15747	-2.28005	0.023841	0.321246
	0.259975	2.282955	0.023666	0.320541
HSPG2;USP48;LDLRAD2;CDC42	0.23469	2.282199	0.023711	0.320798
C12orf74;PLEKHG7	-0.33631	-2.27957	0.023871	0.321382
	0.275143	2.280311	0.023825	0.321189

	0.186175	2.282703	0.023681	0.320626
	0.188291	2.285633	0.023505	0.31981
	0.234814	2.284505	0.023572	0.320196
TMPRSS3;RSPH1;C21orf128;SLC37A1;ENSG00000225431;ZNF295-AS1;LINC00479;LINC00111;ABCG1;PDE9A;U2AF1;UMODL1;TFF3;TMPRSS2;ENSG00000235772;C2CD2	-0.27112	-2.27622	0.024075	0.32217
	0.20828	2.285752	0.023498	0.319789
	0.303898	2.284135	0.023595	0.320239
	0.240139	2.282851	0.023672	0.320577
JAK3;FCHO1;IL12RB1	-0.18298	-2.28258	0.023688	0.320665
ZBED2;CD96	-0.23705	-2.27935	0.023884	0.321436
	0.267494	2.283863	0.023611	0.320309
	-0.21777	-2.2855	0.023513	0.319846
ENSG00000255367;CD81;ENSG00000183562	-0.2105	-2.28328	0.023646	0.32047
	-0.21845	-2.28154	0.023751	0.32094
	-0.19254	-2.27702	0.024025	0.321863
	-0.18701	-2.28352	0.023631	0.320401
DNAJC14;COQ10A;DGKA	0.22357	2.279804	0.023856	0.321315
	0.142277	2.272157	0.024324	0.323417
	0.265413	2.283211	0.02365	0.32047
	0.335456	2.282499	0.023693	0.32067
	-0.37408	-2.28089	0.02379	0.321109
CLDN7;ALOX12P2;ACAP1;BCL6B;CLEC10A;CTC1;FAM64A;DVL2	0.22312	2.284189	0.023591	0.320216
	-0.16243	-2.28043	0.023818	0.321174
	0.19629	2.284464	0.023575	0.320196
LINC00968;TMEM68;SDR16C5;XKR4;SBF1P1	-0.2577	-2.28109	0.023778	0.321072
ENSG00000223907	-0.26391	-2.2844	0.023579	0.320208
PCDHAC1;IK;CYSTM1;ZMAT2;ECSCR;SPATA24;PCDHB1;ANKHD1	-0.27857	-2.27667	0.024047	0.322
	-0.30948	-2.28059	0.023809	0.321152
	-0.21957	-2.28588	0.02349	0.319769
	0.246396	2.278674	0.023925	0.321537
	-0.2235	-2.27809	0.02396	0.321655
SIAH3;LINC00284	0.264722	2.282286	0.023706	0.32077
MLLT4;ENSG00000231720;PRR18;ENSG00000228648	0.262878	2.283562	0.023629	0.320381
ANO1	-0.25136	-2.27718	0.024016	0.321825
LAX1	0.197113	2.283609	0.023626	0.320353
	0.274202	2.275187	0.024138	0.322521
	-0.35006	-2.28136	0.023762	0.320986
	0.201374	2.280095	0.023838	0.321244
	0.250658	2.285043	0.02354	0.320035
	-0.15767	-2.27813	0.023958	0.321637
	0.179726	2.281069	0.023779	0.321077
	-0.28265	-2.2834	0.023639	0.320453
	-0.46776	-2.28134	0.023763	0.320986

	0.23425	2.275495	0.024119	0.322435
	-0.32633	-2.28363	0.023625	0.320353
S100P;ABLIM2;HTRA3;AFAP1;PSAPL1;KIAA0232;CCDC96;SORC				
S2;ACOX3;SH3TC1	0.307112	2.278153	0.023956	0.321637
	-0.25568	-2.28084	0.023794	0.321109
	0.297537	2.275111	0.024142	0.322543
	-0.20606	-2.284	0.023603	0.320287
EEF1A1P5	0.184957	2.278584	0.02393	0.321568
	0.201881	2.281654	0.023744	0.32094
	0.26465	2.283161	0.023653	0.32047
	-0.1041	-2.27988	0.023851	0.321302
HCP5;TAP2;TAP1;HLA-DMA;TAPSAR1;HLA-DMB;HLA-B	0.265213	2.28462	0.023565	0.320157
GJC1;MEOX1;MPP2;RUNDC1;HIGD1B;EFTUD2;GPATCH8;ENSG				
00000267505;VAT1;TMEM106A	-0.19252	-2.28135	0.023763	0.320986
	0.233082	2.275899	0.024094	0.32228
	0.307397	2.282682	0.023682	0.320632
SLC25A27	0.154178	2.282467	0.023695	0.320676
CTSF	0.246683	2.282707	0.023681	0.320626
	-0.1596	-2.2796	0.023868	0.321367
	0.237697	2.284211	0.02359	0.320216
	-0.15553	-2.27776	0.02398	0.321682
	-0.48753	-2.28128	0.023767	0.320988
	0.201942	2.280929	0.023788	0.321109
	-0.3278	-2.27953	0.023873	0.321398
	-0.21195	-2.2799	0.023851	0.321302
	0.205823	2.282388	0.0237	0.32073
	-0.34255	-2.28219	0.023712	0.320798
	0.183729	2.281632	0.023745	0.32094
	-0.28696	-2.28402	0.023601	0.320287
	0.185909	2.276479	0.024059	0.322068
	0.154901	2.279679	0.023864	0.321362
CYCS	-0.27659	-2.28474	0.023558	0.320129
	-0.15255	-2.27734	0.024006	0.321768
	0.224236	2.280954	0.023786	0.321109
	-0.21804	-2.28199	0.023724	0.32084
	-0.19105	-2.28218	0.023712	0.320798
	0.3363	2.283066	0.023659	0.320511
	0.128885	2.277935	0.02397	0.321667
	-0.24333	-2.28081	0.023795	0.321109
	0.307582	2.278011	0.023965	0.321667
	0.223727	2.280515	0.023813	0.321154
	-0.21278	-2.28089	0.02379	0.321109
	0.269919	2.278443	0.023939	0.321598
	-0.20838	-2.27933	0.023885	0.321436
	0.22451	2.277197	0.024015	0.321823
	-0.13284	-2.2785	0.023936	0.321598
	0.146973	2.280772	0.023797	0.321126

CDH5;TMEM208;CMTM4	-0.2596	-2.27926	0.023889	0.321448
	0.250312	2.279222	0.023891	0.321448
TMEM170A;ENSG00000203472;BCAR1;CHST6;GABARAPL2;TM				
EM231;ENSG00000259972;ENSG00000260884	0.28816	2.27406	0.024207	0.322789
PSORS1C3;ENSG00000272501;SLC44A4;HLA-C	0.45376	2.276287	0.02407	0.322144
GNG7	0.271478	2.280382	0.023821	0.321185
	0.298679	2.282643	0.023684	0.320641
	-0.19761	-2.28393	0.023607	0.320287
	-0.32277	-2.2789	0.023911	0.321482
SPINT2;ZNF527;ZNF540;PAK4;ZNF573;PSMD8	-0.2843	-2.2791	0.023899	0.321448
	-0.21372	-2.27557	0.024114	0.322435
	0.186279	2.277969	0.023968	0.321667
	-0.2263	-2.27388	0.024218	0.322842
	0.227753	2.279753	0.023859	0.321341
PDCD1	0.254255	2.28056	0.02381	0.321152
TNXB;C4A	-0.25614	-2.2825	0.023693	0.32067
ATG9B;GIMAP5;GIMAP2;GIMAP7;GIMAP8	-0.32953	-2.28046	0.023816	0.321174
	0.211761	2.269612	0.024482	0.324247
ENSG00000188525	-0.23831	-2.27892	0.02391	0.321482
	0.162383	2.281117	0.023777	0.321067
ARHGAP31;ARHGAP31-AS1;COX17	-0.5089	-2.28024	0.02383	0.321204
	-0.17506	-2.27869	0.023924	0.321537
PDCD6;LPCAT1;TPPP	-0.24952	-2.27908	0.0239	0.321448
AHCYL2;RBM28;HILPDA	0.273074	2.281489	0.023754	0.320956
FOXE1;C9orf156	0.325542	2.282276	0.023707	0.32077
ADSS	0.222684	2.281391	0.02376	0.320986
	-0.16756	-2.28053	0.023812	0.321152
ENSG00000215244;FBXO18	-0.27107	-2.28161	0.023747	0.32094
	0.193034	2.281419	0.023758	0.320983
	0.257966	2.280922	0.023788	0.321109
	-0.14019	-2.28448	0.023574	0.320196
	0.233516	2.278231	0.023952	0.321614
	0.224322	2.278469	0.023937	0.321598
GRK5;SEC23IP;PRDX3	0.207124	2.279597	0.023869	0.321367
	-0.21114	-2.28186	0.023731	0.320871
	-0.32569	-2.2798	0.023856	0.321315
	0.256595	2.283892	0.023609	0.320295
	0.208923	2.279862	0.023853	0.321302
	-0.2283	-2.2807	0.023802	0.321152
FAM83H-AS1;RHPN1-AS1;MIR4664	-0.19999	-2.28178	0.023736	0.320895
	0.223555	2.278367	0.023943	0.321598
SYT11;ATP8B2;SHE;ASH1L;RAB25;MTX1	-0.1881	-2.2821	0.023717	0.320816
HMHA1;MOB3A	0.327492	2.282248	0.023708	0.320783
	-0.27006	-2.27797	0.023968	0.321667
PARD6B;DPM1;SNAI1;ATP9A;BCAS4;MOCS3	-0.38555	-2.2705	0.024426	0.323975
DOCK10	0.216104	2.279703	0.023862	0.321362
	0.521274	2.282108	0.023717	0.320816

ENSG00000217488	-0.18688	-2.28138	0.02376	0.320986
	0.181137	2.280123	0.023837	0.321244
PDGFA;PSMG3;CYP2W1;ENSG00000249574;ELFN1;GPR146;FAM20C	0.306569	2.280898	0.02379	0.321109
	0.417675	2.283772	0.023616	0.320312
	-0.29846	-2.27782	0.023977	0.321679
	0.242348	2.279522	0.023873	0.321398
	0.322143	2.277393	0.024003	0.321763
	0.22159	2.276908	0.024032	0.321908
	0.365946	2.278549	0.023932	0.321587
C1orf158;AGTRAP;FBXO6;VPS13D;FBXO44	-0.28417	-2.27763	0.023988	0.32171
	-0.16697	-2.27508	0.024144	0.322543
	-0.23561	-2.28087	0.023792	0.321109
	0.28021	2.282013	0.023722	0.32084
COL1A1;TOB1;EPN3;LRRC59;SGCA	-0.27717	-2.28016	0.023835	0.321232
LRRC25	-0.2234	-2.28131	0.023765	0.320988
IFT140	-0.20279	-2.28076	0.023798	0.321126
	0.258284	2.280328	0.023824	0.321185
	0.234425	2.277795	0.023978	0.321682
	-0.17606	-2.27989	0.023851	0.321302
	0.316544	2.278656	0.023926	0.32154
	0.349449	2.28194	0.023727	0.320842
RIF1	0.289647	2.278423	0.02394	0.321598
	0.297336	2.280333	0.023824	0.321185
	0.281657	2.274783	0.024162	0.322608
	-0.25144	-2.2813	0.023765	0.320988
	0.245213	2.278989	0.023906	0.321455
	0.214067	2.279092	0.023899	0.321448
	0.263315	2.280552	0.023811	0.321152
	0.14898	2.280636	0.023806	0.321152
EPX	-0.33185	-2.27921	0.023892	0.321448
	0.216434	2.276813	0.024038	0.321936
GNL2	-0.25865	-2.27828	0.023949	0.321598
	0.307173	2.280539	0.023812	0.321152
GPR137B	-0.32352	-2.28285	0.023672	0.320577
	0.175859	2.27787	0.023974	0.321677
LRRC61;REPIN1;GIMAP8;GIMAP6;GIMAP5;GIMAP1	-0.17201	-2.27582	0.024099	0.322292
	-0.15544	-2.27853	0.023934	0.321594
	-0.15	-2.27505	0.024146	0.322543
	0.172274	2.277887	0.023973	0.321677
	0.324396	2.281121	0.023776	0.321067
	-0.20591	-2.2798	0.023857	0.321315
	-0.28019	-2.28205	0.02372	0.32084
	0.237344	2.274824	0.02416	0.322608
	0.206707	2.279342	0.023884	0.321436
OLFM2;ZNF121	-0.33292	-2.28082	0.023794	0.321109
ROBO4;ESAM;TMEM218;FEZ1	-0.23892	-2.27765	0.023987	0.321702

	0.234288	2.27835	0.023945	0.321598
	0.115618	2.277995	0.023966	0.321667
GRASP;ACVRL1;ACVR1B;ITGB7	0.163813	2.277746	0.023981	0.321687
	0.114575	2.275435	0.024123	0.322435
	-0.46855	-2.27913	0.023897	0.321448
KIAA1009	-0.32277	-2.27829	0.023948	0.321598
	0.200929	2.270426	0.024431	0.324009
	0.219236	2.275743	0.024104	0.322347
	0.261411	2.274395	0.024186	0.322635
TRAF3IP3	-0.23855	-2.28178	0.023737	0.320895
TACR2	0.183658	2.278821	0.023916	0.321497
	-0.37705	-2.2795	0.023875	0.321409
	0.2684	2.280028	0.023843	0.321258
SPNS2;ASPA;ENSG00000261863;SLC52A1;CYB5D2;C17orf85	-0.40014	-2.27039	0.024433	0.324027
	0.280012	2.282993	0.023663	0.32052
C10orf128;FRMPD2;LRRC18;ARHGAP22	-0.21012	-2.27808	0.023961	0.32166
	0.262834	2.279302	0.023887	0.321443
NUP210L;NPR1;SHE;JTB;ATP8B2;GATAD2B;SLC50A1;TDRD10;S				
100A8;FLAD1	0.463767	2.279807	0.023856	0.321315
	0.250364	2.280425	0.023818	0.321174
	0.240451	2.276025	0.024086	0.322237
	0.240779	2.278683	0.023924	0.321537
	0.254035	2.281276	0.023767	0.320988
	0.269815	2.278359	0.023944	0.321598
	0.231235	2.279015	0.023904	0.321455
	0.297968	2.279375	0.023882	0.321436
	-0.20188	-2.27478	0.024162	0.322608
	-0.15465	-2.28216	0.023714	0.320808
	0.220021	2.276516	0.024056	0.322048
	-0.19463	-2.27496	0.024152	0.322578
	0.191405	2.278689	0.023924	0.321537
ENOPH1;PLAC8;FAM175A	0.315401	2.280609	0.023807	0.321152
	-0.24719	-2.27637	0.024065	0.322117
	0.184531	2.278177	0.023955	0.321637
	0.180215	2.273143	0.024263	0.323072
	-0.22423	-2.27231	0.024315	0.323361
	0.223047	2.274413	0.024185	0.322635
SPCS2P4	-0.32218	-2.28064	0.023805	0.321152
ROBO4;PKNOX2;FEZ1;TMEM218	-0.35793	-2.27753	0.023994	0.321743
	-0.26701	-2.28012	0.023837	0.321244
	0.15879	2.277843	0.023975	0.321679
	-0.38181	-2.27609	0.024082	0.322237
FAM186A	-0.20459	-2.28161	0.023747	0.32094
AGO3;ADPRHL2	-0.32553	-2.27706	0.024023	0.321863
	-0.27307	-2.27794	0.023969	0.321667
NPIPA1	-0.39391	-2.28154	0.023751	0.32094

WNT10B;FMNL3;SPATS2	-0.31184	-2.27972	0.023861	0.32136
	-0.16028	-2.27481	0.024161	0.322608
	0.266214	2.279188	0.023894	0.321448
	0.205555	2.271256	0.02438	0.32371
ENSG00000259479;SERF2;LCMT2;CCNDBP1	0.244292	2.273284	0.024255	0.323036
WEE1;AMPD3	-0.31491	-2.28036	0.023822	0.321185
	0.376918	2.280853	0.023793	0.321109
	-0.12204	-2.27942	0.02388	0.321436
	0.356583	2.278777	0.023919	0.321512
NOSTRIN	0.299067	2.278799	0.023917	0.321504
	-0.28673	-2.27659	0.024052	0.322025
	0.235313	2.277171	0.024016	0.321825
	-0.29497	-2.27987	0.023852	0.321302
	0.189067	2.281035	0.023782	0.32108
SEMA6A;ENSG00000248445	-0.29023	-2.27942	0.023879	0.321436
	-0.22343	-2.28126	0.023768	0.320988
	0.222312	2.280809	0.023795	0.321109
	-0.3869	-2.27934	0.023884	0.321436
SARDH	-0.24115	-2.2786	0.023929	0.321568
HRK;KSR2	-0.30546	-2.27519	0.024138	0.322521
CCT8;USP16	0.307512	2.272913	0.024277	0.323174
SNX19	-0.14899	-2.27882	0.023916	0.321497
	-0.17927	-2.27332	0.024252	0.323036
EXOC4;C7orf49	-0.29529	-2.28006	0.02384	0.321246
	-0.18046	-2.273	0.024272	0.323134
WBSCR17	0.294104	2.278134	0.023958	0.321637
	0.16156	2.2748	0.024161	0.322608
	-0.22565	-2.27725	0.024012	0.321814
	0.308329	2.276589	0.024052	0.322025
	-0.1458	-2.27658	0.024052	0.322025
UCK2	0.256925	2.276309	0.024069	0.322136
	-0.14777	-2.27828	0.023949	0.321598
CBFA2T3;ENSG00000259881;RNF166;ENSG00000224888;ENS G00000261226;PIEZO1	-0.19543	-2.27742	0.024001	0.321756
	0.169866	2.280589	0.023809	0.321152
	0.168633	2.279	0.023905	0.321455
TMEM17;MDH1	0.32618	2.277821	0.023977	0.321679
PDLIM7;TSPAN17;COL23A1;LMAN2;ENSG00000246596;TMED 9;FGFR4;FAM193B	-0.25554	-2.27475	0.024164	0.322608
	0.235733	2.280245	0.023829	0.321204
	-0.37159	-2.27686	0.024035	0.321931
DMPK;EML2;PPP1R13L;PVR;SNRPD2	-0.30123	-2.27403	0.024208	0.322798
ENSG00000197062	0.273435	2.28058	0.023809	0.321152
TBC1D10C	-0.29283	-2.27768	0.023985	0.321702
	0.304376	2.279294	0.023887	0.321443
COL4A2	-0.30642	-2.27942	0.02388	0.321436
	-0.2719	-2.27683	0.024037	0.321931

	0.273992	2.278284	0.023948	0.321598
	0.193367	2.276736	0.024043	0.321969
	0.158036	2.268528	0.024549	0.324443
	0.322568	2.277989	0.023966	0.321667
KLF15;MGLL;MCM2;ALG1L;ABTB1;PODXL2	-0.55341	-2.27814	0.023957	0.321637
	0.335317	2.277599	0.02399	0.32171
	0.269684	2.278358	0.023944	0.321598
DYRK4	0.264391	2.271987	0.024335	0.323472
	0.129615	2.275454	0.024121	0.322435
	-0.25919	-2.27508	0.024144	0.322543
ENSG00000267395;GIPR	-0.29898	-2.27789	0.023973	0.321677
TMCO3;CUL4A;TFDP1	0.168253	2.277305	0.024008	0.321785
DENND5A;WEE1;AKIP1;SBF2;TMEM9B;C11orf16;STK33	-0.32581	-2.27696	0.024029	0.321879
	0.288188	2.27593	0.024092	0.32227
HOXB-AS2;HOXB4	-0.33947	-2.27447	0.024182	0.322634
	0.20588	2.279338	0.023884	0.321436
	0.200284	2.280375	0.023822	0.321185
RUNX3	0.242415	2.278888	0.023912	0.321482
	-0.29131	-2.27796	0.023968	0.321667
ANXA2;ENSG00000259575;ENSG00000259481;ENSG00000259 591	-0.30408	-2.28025	0.023829	0.321204
TRPM2;ICOSLG	-0.36293	-2.27996	0.023847	0.321302
	-0.24272	-2.27766	0.023986	0.321702
NETO2	0.306407	2.277145	0.024018	0.321825
	0.242321	2.277505	0.023996	0.321746
CRTC3;MFGE8;CIB1;KIF7;ABHD2;IDH2;ENSG00000228998	0.333097	2.278412	0.023941	0.321598
HLA-DQA1	-0.4977	-2.27742	0.024001	0.321756
	0.235206	2.277043	0.024024	0.321863
	-0.7185	-2.27744	0.024	0.321756
	-0.2841	-2.27758	0.023991	0.32171
	-0.20729	-2.27181	0.024345	0.323524
TP53AIP1;ST14;FLI1;ETS1;ARHGAP32;TMEM45B	-0.27812	-2.27554	0.024116	0.322435
NRN1	0.303179	2.276544	0.024055	0.322035
RUNX3	0.311356	2.280184	0.023833	0.321223
ELMO1;SFRP4;AMPH;TRGV4	-0.26391	-2.2775	0.023996	0.321746
LEPRE1;SCMH1;SLC2A1;TMSB4XP1	-0.30446	-2.27584	0.024098	0.322292
	0.220591	2.276644	0.024049	0.322004
PIGV;HMGN2;TRNP1;FAM110D;PDIK1L;CEP85;NUDC	-0.2906	-2.27829	0.023948	0.321598
	0.251808	2.274922	0.024154	0.322593
MTMR9LP;FNDC5	-0.29684	-2.27914	0.023897	0.321448
	0.20314	2.270546	0.024424	0.323975
	0.307174	2.275705	0.024106	0.322368
	-0.20957	-2.27669	0.024046	0.322
	0.178457	2.276782	0.02404	0.321941
	0.233276	2.269944	0.024461	0.324194
	0.228239	2.278054	0.023963	0.321667
	0.238629	2.274605	0.024173	0.322625

RSPO1;GRIK3;FHL3;MTF1;MYCBP	-0.29886	-2.27801	0.023965	0.321667
	0.183788	2.271539	0.024362	0.323651
	0.187913	2.27908	0.0239	0.321448
	0.229766	2.277351	0.024005	0.321768
PDIA3P1;CHD1L;FMO5;GJA5	-0.32317	-2.27462	0.024173	0.322625
ENSG00000272078	-0.28648	-2.27466	0.02417	0.322622
	-0.28774	-2.27744	0.024	0.321756
	0.215284	2.278637	0.023927	0.321545
	0.156821	2.27475	0.024165	0.322608
	-0.21509	-2.27038	0.024434	0.324027
	-0.2117	-2.26823	0.024567	0.324535
TNXB;SLC44A4;NOTCH4;C4A;DDAH2;C6orf10	-0.35322	-2.27901	0.023905	0.321455
	-0.15234	-2.27793	0.02397	0.321667
	0.168431	2.274258	0.024195	0.322716
	-0.24944	-2.27067	0.024416	0.323927
ENSG00000260682;PLCG2;GAN	-0.38243	-2.27052	0.024425	0.323975
PLEKHA2;ENSG00000254290;TACC1;ENSG00000253414;ENSG00000254111;FGFR1;ENSG00000253161;GPR124;PPAPDC1B	-0.22782	-2.27285	0.024282	0.32318
	-0.23196	-2.27624	0.024073	0.322164
	0.240934	2.277244	0.024012	0.321814
	0.186296	2.27453	0.024178	0.322634
MAPK8	-0.26674	-2.27715	0.024017	0.321825
	0.174155	2.279129	0.023897	0.321448
	0.296348	2.276991	0.024027	0.321863
	-0.52386	-2.27547	0.02412	0.322435
	0.153518	2.278841	0.023915	0.321497
STAT2	-0.29026	-2.27918	0.023894	0.321448
	0.230878	2.278512	0.023935	0.321597
	0.237461	2.272457	0.024306	0.323329
	0.220048	2.277233	0.024013	0.321814
C1orf50	0.131865	2.268154	0.024572	0.324535
	-0.17104	-2.2776	0.02399	0.32171
NFATC4;ADCY4	-0.39122	-2.27736	0.024005	0.321768
KIAA0930	-0.2416	-2.27782	0.023977	0.321679
	0.310859	2.27607	0.024084	0.322237
MIPEP	0.321895	2.278312	0.023947	0.321598
PROM2	-0.21868	-2.27455	0.024177	0.322634
	0.279231	2.275092	0.024144	0.322543
	-0.16341	-2.2745	0.02418	0.322634
MACF1;MYCBP;TRIT1;AKIRIN1	0.244785	2.275429	0.024123	0.322435
	0.162908	2.269913	0.024463	0.324194
TXNL4A	0.347104	2.278289	0.023948	0.321598
	0.210461	2.277696	0.023984	0.321702
	-0.33768	-2.27759	0.023991	0.32171
NTRK3;MFGE8;HAPLN3;ABHD2;ACAN	0.295485	2.274533	0.024178	0.322634
	0.148922	2.275415	0.024124	0.322435

DNAJC16;KAZN;FHAD1	-0.3362	-2.27451	0.024179	0.322634
	-0.13475	-2.27341	0.024247	0.323025
MYLK3;ENSG00000261788;C16orf87;SHCBP1	-0.18684	-2.2713	0.024377	0.323695
LRRC73;CUL7;PEX6;KLC4;RSPH9	-0.17956	-2.27531	0.02413	0.322491
	0.247657	2.274589	0.024174	0.322628
	0.143198	2.274183	0.024199	0.322718
	0.160137	2.274097	0.024205	0.322769
	-0.2562	-2.27246	0.024306	0.323329
UNC45B	0.246304	2.27916	0.023895	0.321448
	0.22032	2.277665	0.023986	0.321702
ITGAL;ZNF629	0.215356	2.278982	0.023906	0.321455
HRK;RNFT2;NOS1;KSR2	-0.26543	-2.27506	0.024145	0.322543
SH2D3C;ENG	-0.34162	-2.27708	0.024022	0.321863
ABLIM2	0.232504	2.275161	0.024139	0.322521
NOVA2;EXOC3L2;SNRPD2	0.153903	2.277881	0.023973	0.321677
CYCS	0.212632	2.274413	0.024185	0.322635
	-0.30708	-2.27419	0.024199	0.322718
HN1L;UNKL;ENSG00000260807	0.186718	2.272331	0.024313	0.323351
	0.273921	2.27377	0.024225	0.322892
IFITM3;LRRC56	0.20753	2.277005	0.024026	0.321863
KCNAB2;THAP3;HES2	-0.21002	-2.27026	0.024441	0.324073
	-0.35463	-2.26791	0.024587	0.324593
	0.405996	2.275484	0.02412	0.322435
	0.349198	2.277476	0.023998	0.321756
	-0.20078	-2.26945	0.024492	0.32431
	-0.18948	-2.27129	0.024378	0.323695
	-0.22391	-2.26988	0.024465	0.324194
	0.154006	2.272444	0.024306	0.323329
	0.329092	2.276025	0.024086	0.322237
	0.198127	2.274477	0.024181	0.322634
	0.233584	2.276655	0.024048	0.322004
SH2D2A	-0.37324	-2.27702	0.024025	0.321863
	0.230083	2.277732	0.023982	0.321689
IGFBP5	0.20101	2.276784	0.02404	0.321941
	-0.23517	-2.27113	0.024387	0.323746
	-0.35245	-2.27525	0.024134	0.322519
	0.136892	2.269657	0.024479	0.324243
	0.238903	2.274475	0.024181	0.322634
	-0.2644	-2.26945	0.024491	0.32431
MAL2;ENPP2	-0.32156	-2.27655	0.024054	0.322035
GHDC	-0.18135	-2.27401	0.02421	0.322798
CACNA1C-AS4;CACNA1C;TULP3;CACNA1C-IT3;PRMT8;TSPAN9;ENSG00000250770	-0.29851	-2.27465	0.024171	0.322622
	-0.17182	-2.27341	0.024247	0.323025
	-0.3381	-2.27315	0.024263	0.323072
	-0.37687	-2.27595	0.024091	0.32227
	0.235675	2.275614	0.024112	0.322423

FZD6	0.274168	2.273836	0.024221	0.322852
	-0.30164	-2.27738	0.024004	0.321763
	-0.18246	-2.27466	0.02417	0.322622
ENSG00000264198;IKZF3	-0.18694	-2.27482	0.024161	0.322608
	-0.24053	-2.27541	0.024124	0.322435
	-0.22553	-2.27884	0.023915	0.321497
	-0.27574	-2.27699	0.024027	0.321863
	0.276042	2.267313	0.024625	0.324761
	0.265994	2.271447	0.024368	0.323664
	-0.19916	-2.27281	0.024284	0.323187
	0.263736	2.276257	0.024072	0.322159
FZD10-AS1	0.231857	2.27269	0.024291	0.323238
	0.201231	2.271994	0.024334	0.323472
	0.222628	2.27449	0.02418	0.322634
	0.239319	2.277772	0.02398	0.321682
	0.14639	2.271102	0.024389	0.323746
	-0.29942	-2.27482	0.02416	0.322608
	0.199122	2.275276	0.024132	0.322508
	-0.17505	-2.27423	0.024196	0.322718
TRIM69	-0.30569	-2.27642	0.024062	0.322084
	0.15549	2.270661	0.024417	0.323927
	-0.13683	-2.27338	0.024249	0.323025
SPI1	0.336677	2.275557	0.024115	0.322435
	-0.24976	-2.27612	0.024081	0.322237
MIR497HG;C17orf49;CHD3;C17orf59;KIAA0753;DVL2;CYB5D1; ENSG00000269928;SLC2A4;TMEM107	-0.19073	-2.27604	0.024086	0.322237
HHIPL1;DEGS2;BEGAIN	-0.26682	-2.27238	0.02431	0.323347
PPP1R32;LRRC10B;SCGB1A1;SCGB2A1;RAB3IL1;C11orf48;LRRN 4CL;FADS3;AHNAK;MTA2;ENSG00000255446;EML3;SLC3A2;T MEM258;INCENP;ENSG00000269089	-0.28486	-2.27023	0.024443	0.324082
ENSG00000188525;GRHL1;CYS1;KLF11;HPCAL1;MBOAT2;CPSF 3	-0.35863	-2.27122	0.024382	0.323724
SYNE3;ASB2;PPP4R4;CLMN;LINC00341;PRIMA1;UNC79;SERPIN A6	-0.29745	-2.26981	0.02447	0.324223
	0.167054	2.269597	0.024482	0.324248
ITGB7;ACVRL1;ACVR1B	0.306675	2.277221	0.024013	0.321814
	0.142734	2.276335	0.024067	0.322135
	-0.2363	-2.27108	0.02439	0.323752
	0.153344	2.272889	0.024279	0.323174
	0.28254	2.269719	0.024475	0.324239
	-0.16524	-2.27239	0.02431	0.323347
HLA-DQB1;HLA-DQA1;HLA-DRB1;HLA-DRB5	0.345252	2.274155	0.024201	0.322731
	0.130155	2.276988	0.024028	0.321863
	0.327814	2.274205	0.024198	0.322718
	-0.19263	-2.27228	0.024316	0.323369
GPR156;MAATS1;ARHGAP31;COX17	-0.32062	-2.27815	0.023957	0.321637
	0.191475	2.276323	0.024068	0.322135

	0.222652	2.273653	0.024232	0.322921
	-0.27028	-2.27607	0.024084	0.322237
TSSC1	0.301904	2.270533	0.024425	0.323975
	-0.19949	-2.27141	0.02437	0.323674
	0.255615	2.262349	0.024936	0.326218
	0.246479	2.272167	0.024323	0.323417
	-0.2244	-2.27538	0.024126	0.32245
	0.230417	2.275416	0.024124	0.322435
	0.20588	2.274748	0.024165	0.322608
PADI1	0.233105	2.273223	0.024258	0.323042
	-0.14695	-2.27505	0.024146	0.322543
	-0.19737	-2.27121	0.024382	0.323724
	0.217374	2.272195	0.024322	0.323412
UBE2QL1;ENSG00000272520	-0.24073	-2.27129	0.024378	0.323695
	-0.19007	-2.27326	0.024256	0.323039
	-0.23047	-2.26424	0.024817	0.32566
SERPINB9;SLC22A23;BPHL;ENSG00000272320;ENSG00000233				
068;SERPINB6	0.334792	2.272704	0.02429	0.323236
	0.248719	2.276033	0.024086	0.322237
	0.448113	2.274015	0.02421	0.322798
	0.310167	2.274323	0.024191	0.322674
	0.2857	2.276461	0.02406	0.322072
	-0.23225	-2.27348	0.024242	0.323012
ABCA3;CACNA1H;CCNF;TRAF7	-0.28728	-2.26975	0.024473	0.324224
	0.2152	2.273682	0.02423	0.322907
	-0.32125	-2.27516	0.024139	0.322521
	-0.33719	-2.276	0.024088	0.32224
	0.195937	2.274381	0.024187	0.322636
ATP6V1B1	0.196632	2.2733	0.024254	0.323036
RPL27A	-0.3031	-2.27342	0.024246	0.323025
	0.24968	2.274668	0.02417	0.322622
	0.215087	2.26847	0.024553	0.324443
	-0.17511	-2.27469	0.024168	0.322622
IGHA2;KIF26A;IGHG2;C14orf2	-0.23503	-2.27465	0.02417	0.322622
	0.209878	2.270266	0.024441	0.324073
MZB1;SLC23A1	0.335937	2.273234	0.024258	0.323042
CGN;PLEKHO1;C1orf54;CTSK;THEM4	0.246515	2.271317	0.024376	0.323695
ENSG00000175898	-0.16861	-2.27464	0.024171	0.322622
	-0.32353	-2.27256	0.024299	0.323293
	-0.21983	-2.27543	0.024123	0.322435
MCAM	-0.23614	-2.27282	0.024283	0.323187
	0.376828	2.267778	0.024596	0.32466
	-0.30287	-2.27587	0.024096	0.32229
	0.146964	2.272589	0.024297	0.323293
	-0.26643	-2.27047	0.024428	0.323994
	0.243153	2.272256	0.024318	0.323382
	-0.27838	-2.27355	0.024239	0.322969

	-0.25617	-2.27419	0.024199	0.322718
	0.200777	2.268683	0.024539	0.324442
	0.153833	2.273379	0.024249	0.323025
	0.232542	2.271011	0.024395	0.323761
	0.25515	2.271529	0.024363	0.323651
GPR124;RAB11FIP1;FGFR1;ERLIN2	-0.2778	-2.27007	0.024453	0.324148
	-0.21157	-2.27386	0.024219	0.322842
CYB5D1;ARHGEF15;TMEM107;WDR16;USP43;DNAH2;CTC1	-0.27504	-2.27138	0.024372	0.323685
	0.177895	2.268835	0.02453	0.324424
	-0.2029	-2.27245	0.024306	0.323329
	0.282867	2.269379	0.024496	0.324328
	-0.23696	-2.2709	0.024402	0.323822
IDH1	0.274936	2.275997	0.024088	0.32224
	0.308889	2.272533	0.024301	0.323296
	0.192947	2.269279	0.024502	0.324345
	-0.19081	-2.27148	0.024366	0.323654
VAV1	-0.20871	-2.27503	0.024148	0.322543
	-0.34788	-2.27137	0.024373	0.323685
	-0.35782	-2.27685	0.024036	0.321931
	-0.19013	-2.26754	0.02461	0.324709
KLK11	-0.2027	-2.27592	0.024093	0.32227
	0.196087	2.273737	0.024227	0.322892
RPL22L1	0.168434	2.27195	0.024337	0.323483
	0.280804	2.272096	0.024328	0.323433
	-0.2392	-2.2744	0.024186	0.322635
	0.237332	2.273137	0.024264	0.323072
	-0.26504	-2.27257	0.024299	0.323293
	-0.2438	-2.27583	0.024099	0.322292
ADPRHL1;ATP11A;DCUN1D2;TUBGCP3	-0.40295	-2.27491	0.024154	0.322593
	0.232588	2.267298	0.024626	0.324761
	0.165057	2.272878	0.02428	0.323174
	-0.17291	-2.26959	0.024483	0.324248
MYH16;ZKSCAN1	0.132759	2.270458	0.024429	0.323994
PTPRG	0.278274	2.269775	0.024471	0.324223
	0.297112	2.272707	0.02429	0.323236
	-0.20739	-2.27441	0.024185	0.322635
	0.188716	2.27286	0.024281	0.323178
	0.23822	2.271148	0.024386	0.323746
	0.281446	2.272025	0.024332	0.323471
	0.325427	2.264706	0.024788	0.325486
	0.311753	2.273283	0.024255	0.323036
	0.254054	2.261805	0.02497	0.326328
SEMA3G;PPM1M;STAB1;DOCK3;PCBP4;POC1A;SFMBT1;NEK4; GLT8D1;PBRM1;NT5DC2;NISCH;ITIH3;ALAS1;SPCS1;PRKCD;RAD 54L2	-0.19555	-2.26938	0.024496	0.324328
	-0.23761	-2.27567	0.024108	0.322389

	0.20058	2.273091	0.024266	0.323093
	-0.16263	-2.27399	0.024211	0.322804
	-0.18269	-2.26752	0.024611	0.324709
	0.201782	2.269782	0.024471	0.324223
	-0.30725	-2.27092	0.024401	0.323819
	-0.21598	-2.26831	0.024562	0.324492
	-0.15488	-2.2722	0.024321	0.323412
	0.559788	2.275835	0.024098	0.322292
CLU	-0.22088	-2.27361	0.024234	0.322933
	-0.22252	-2.27502	0.024148	0.322543
	0.31097	2.274867	0.024157	0.322608
	0.235719	2.274423	0.024185	0.322635
PIK3CD;SPSB1;SLC2A5;RERE	-0.34703	-2.26914	0.024511	0.324345
	0.113302	2.273281	0.024255	0.323036
	-0.23372	-2.2715	0.024365	0.323651
	0.379387	2.270824	0.024406	0.323854
C9orf139;UAP1L1;LCNL1	0.267213	2.273228	0.024258	0.323042
FAM41C;SAMD11;SKI;NADK;MXRA8;ENSG00000223764;SSU72 ;LINC01128;LINC00115;TUBB8P11	-0.25044	-2.27396	0.024213	0.322822
	0.111698	2.26816	0.024572	0.324535
	-0.19772	-2.26745	0.024616	0.32473
	-0.13402	-2.26848	0.024552	0.324443
IL12RB1;FCHO1	-0.30115	-2.27549	0.024119	0.322435
LINC00689	-0.2986	-2.27315	0.024263	0.323072
VAMP8;MRPL35	-0.37204	-2.26508	0.024764	0.325399
	-0.31204	-2.27362	0.024234	0.322933
	-0.21685	-2.2632	0.024882	0.32593
	0.273599	2.27478	0.024163	0.322608
	-0.27104	-2.27186	0.024343	0.32352
	0.160532	2.267237	0.024629	0.324761
	0.223418	2.270244	0.024442	0.324079
C11orf49;AGBL2	-0.36523	-2.27235	0.024312	0.323351
	-0.35203	-2.26979	0.024471	0.324223
	0.259837	2.268965	0.024522	0.324367
	0.217821	2.275206	0.024137	0.322521
	0.117638	2.271524	0.024363	0.323651
	0.327311	2.273452	0.024244	0.323025
	-0.25956	-2.27516	0.024139	0.322521
STAT4	-0.38658	-2.27156	0.024361	0.323651
	0.241251	2.273907	0.024216	0.322837
	0.237826	2.271632	0.024357	0.323643
	0.211749	2.271875	0.024341	0.323518
	0.23122	2.268393	0.024557	0.324476
	-0.24467	-2.27391	0.024216	0.322837
FAM192A;KATNB1;CNOT1;GPR56;NDRG4;GPR97	-0.19831	-2.26723	0.02463	0.324761
	0.10731	2.268724	0.024537	0.324442
NME9;FAIM	0.231133	2.273751	0.024226	0.322892

	-0.19418	-2.27372	0.024228	0.322894
ENSG00000224187;TPRG1	0.349382	2.274247	0.024195	0.322716
KLHDC8A	-0.394	-2.27277	0.024286	0.323213
SLC34A3	0.226886	2.27288	0.024279	0.323174
	0.251965	2.273596	0.024235	0.322938
	-0.23205	-2.27239	0.02431	0.323347
	-0.36042	-2.26816	0.024572	0.324535
FBXO42	0.164256	2.268649	0.024541	0.324442
	0.141164	2.269267	0.024503	0.324345
TAL1;CMPK1;ENSG00000226252	-0.23372	-2.26342	0.024869	0.325884
HIST1H4L	-0.53063	-2.26988	0.024465	0.324194
	-0.19885	-2.2677	0.024601	0.32466
	-0.19261	-2.26807	0.024577	0.324535
	0.208918	2.274962	0.024151	0.322578
UQCR10	0.182768	2.275314	0.02413	0.322491
	0.200908	2.27518	0.024138	0.322521
	-0.25321	-2.27331	0.024253	0.323036
	-0.15802	-2.26678	0.024658	0.324899
CCDC40	-0.378	-2.26584	0.024717	0.325203
LRGUK;SLC35B4;AGBL3;ENSG00000231098;CALD1	0.256373	2.271031	0.024394	0.323759
	0.190303	2.267914	0.024587	0.324593
MRPL42P6;AADACL2	-0.22053	-2.26171	0.024977	0.326328
	0.214356	2.269383	0.024496	0.324328
	-0.13752	-2.27339	0.024248	0.323025
	-0.14253	-2.26729	0.024626	0.324761
	-0.19003	-2.26524	0.024754	0.325333
NKD2	0.337953	2.266796	0.024657	0.324899
	-0.19233	-2.27195	0.024337	0.323483
	0.319272	2.271782	0.024347	0.32354
	0.230299	2.268483	0.024552	0.324443
	0.20657	2.268742	0.024536	0.324442
	0.224516	2.269512	0.024488	0.324279
	0.262079	2.271426	0.024369	0.323672
	0.172648	2.269648	0.024479	0.324243
	0.279361	2.269991	0.024458	0.324194
EVL	-0.34832	-2.27328	0.024255	0.323036
	0.142283	2.273903	0.024217	0.322837
HPCAL1	-0.27573	-2.26871	0.024538	0.324442
	-0.51016	-2.26965	0.024479	0.324243
	0.176167	2.272108	0.024327	0.323433
	0.121415	2.269536	0.024486	0.324269
ZNF571-AS1	-0.21396	-2.26706	0.024641	0.324824
	0.27165	2.265686	0.024726	0.32522
KIAA0125;AHNAK2	0.309093	2.272539	0.024301	0.323296
PSMC4;SPINT2;EID2;RPS16;PSMD8	0.148816	2.270747	0.024411	0.323905
	0.213843	2.271026	0.024394	0.323759
	-0.25684	-2.2665	0.024675	0.324962

	0.220987	2.269311	0.0245	0.324345
	-0.18964	-2.27307	0.024267	0.323093
LYSMD4	-0.21505	-2.27371	0.024229	0.322898
IL22RA1	0.259033	2.27213	0.024326	0.323425
MEF2D;PEAR1;NES;ARHGEF2;SH2D2A;FCRL5;HDGF;LRRC71;NTRK1;FCRL3	-0.2339	-2.27182	0.024345	0.323524
FAM151A	-0.16008	-2.27271	0.02429	0.323236
	0.31692	2.265697	0.024726	0.32522
	0.262928	2.266932	0.024648	0.324894
	-0.26005	-2.27386	0.024219	0.322842
	0.178474	2.268499	0.024551	0.324443
HES2;CAMTA1;ICMT;CHD5;THAP3;ESPN	-0.37899	-2.26908	0.024515	0.324345
	-0.17904	-2.26547	0.02474	0.325264
	0.290731	2.26811	0.024575	0.324535
	-0.29137	-2.27234	0.024313	0.323351
	-0.1616	-2.26439	0.024807	0.325614
ADSSL1;C14orf79;INF2;CDCA4	-0.25928	-2.27154	0.024362	0.323651
	0.224396	2.26975	0.024473	0.324224
	-0.22594	-2.26845	0.024554	0.324452
BATF2;FERMT3	0.206998	2.273739	0.024227	0.322892
	-0.24658	-2.26479	0.024783	0.325469
	0.27043	2.270156	0.024448	0.324121
TRERF1;C6orf132;GLTSCR1L;MED20;RPL7L1	-0.45531	-2.26928	0.024502	0.324345
	0.223234	2.269255	0.024504	0.324345
	0.217772	2.270324	0.024437	0.324054
	-0.19466	-2.2697	0.024476	0.324243
	0.196252	2.27153	0.024363	0.323651
ARHGEF10;ERICH1;CLN8;MYOM2	-0.31419	-2.2729	0.024278	0.323174
	0.239362	2.259977	0.025086	0.326775
	0.296329	2.262613	0.024919	0.326067
	-0.23856	-2.26248	0.024927	0.32615
	-0.15198	-2.27069	0.024415	0.323925
	0.216261	2.269617	0.024481	0.324247
	0.272918	2.26921	0.024507	0.324345
	0.308572	2.266293	0.024688	0.325041
	-0.18461	-2.27192	0.024339	0.323496
TBC1D10C	0.207783	2.273087	0.024267	0.323093
	0.269864	2.270948	0.024399	0.323802
	-0.23652	-2.2669	0.024651	0.324894
	0.376997	2.271612	0.024358	0.323649
	0.195914	2.271505	0.024364	0.323651
	0.152084	2.262486	0.024927	0.32615
NOP56	0.147975	2.271833	0.024344	0.323524
	0.260306	2.270133	0.024449	0.324126
DHRS3;CLCN6;MIIP;FBXO6	0.297579	2.271733	0.02435	0.32357
EXOSC4	0.175507	2.270117	0.02445	0.324126
	0.200846	2.269934	0.024462	0.324194

	0.235096	2.267334	0.024623	0.324761
	-0.17691	-2.26805	0.024579	0.324535
	-0.25868	-2.26897	0.024521	0.324367
	-0.28898	-2.26639	0.024682	0.325021
IMMP2L	0.203821	2.273005	0.024272	0.323134
	0.189952	2.266858	0.024653	0.324897
YBX1P7	0.192364	2.269012	0.024519	0.324367
	0.275315	2.272333	0.024313	0.323351
SRSF3;RPL10A;COX6A1P2	0.188022	2.269019	0.024518	0.324367
FLI1;ETS1;ARHGAP32;TP53AIP1;TMEM45B;SENCR	-0.33391	-2.27187	0.024342	0.323518
ADARB1;ICOSLG;COL18A1;LRRC3DN;SSR4P1;POFUT2	-0.37938	-2.26894	0.024523	0.324378
	-0.16458	-2.26637	0.024684	0.325021
	-0.22432	-2.26871	0.024538	0.324442
TLDC1;GINS2;WFDC1;ATP2C2	-0.40682	-2.26824	0.024567	0.324535
	0.230187	2.267469	0.024615	0.324724
ASB8	-0.17879	-2.26806	0.024578	0.324535
	0.226738	2.265238	0.024754	0.325333
	0.127708	2.270319	0.024438	0.324054
	-0.35074	-2.27031	0.024438	0.324054
THEM4;SELENBP1;BNIPL;CGN;S100A11;FAM63A;SEMA6C;HRN R	0.391562	2.268537	0.024548	0.324443
TTC39A	0.258275	2.267535	0.024611	0.324709
PIK3R5	-0.17826	-2.26661	0.024669	0.324928
	0.188364	2.266957	0.024647	0.324894
	-0.15628	-2.2691	0.024513	0.324345
	-0.21717	-2.27257	0.024299	0.323293
RNA5SP202	0.207664	2.268041	0.024579	0.324535
	0.257912	2.270888	0.024403	0.323822
TBX3;TBX5;TBX5-AS1	-0.23307	-2.25813	0.025203	0.327222
TMEM87B;MERTK	-0.3635	-2.26419	0.02482	0.325676
WNT9A	-0.39598	-2.27074	0.024412	0.323905
OR1F12;ENSG00000197062;PGBD1;ZKSCAN3;ZSCAN12;PRSS16	0.365928	2.268318	0.024562	0.324492
	0.296597	2.269929	0.024462	0.324194
	0.244762	2.26917	0.024509	0.324345
	-0.29492	-2.27153	0.024362	0.323651
	-0.15397	-2.26577	0.024721	0.32522
	0.119678	2.270826	0.024406	0.323854
	-0.37325	-2.27053	0.024424	0.323975
	0.193983	2.267413	0.024618	0.32475
	0.451088	2.268405	0.024557	0.324476
	-0.22978	-2.26964	0.02448	0.324243
	0.341451	2.271028	0.024394	0.323759
HSPA12B;CDC25B;MRPS26;NOP56;TGM3;SNRPB;PANK2;ADAM 33	-0.20658	-2.26761	0.024606	0.324697
	0.268311	2.272951	0.024275	0.323165
	-0.15258	-2.27112	0.024388	0.323746

	0.220872	2.269656	0.024479	0.324243
	0.289107	2.26856	0.024547	0.324443
IGF2R	0.238448	2.266742	0.02466	0.324899
	0.293114	2.267339	0.024623	0.324761
	-0.15905	-2.26379	0.024845	0.325805
	0.18331	2.271471	0.024366	0.323654
	0.198023	2.267525	0.024611	0.324709
PAK4;ADCK4;ENSG00000183760;DYRK1B	0.332906	2.269872	0.024465	0.324194
	0.302087	2.268529	0.024549	0.324443
	-0.20527	-2.26769	0.024601	0.32466
	0.37198	2.26989	0.024464	0.324194
PARD6B;PTGIS;CEBPB	-0.41719	-2.26712	0.024636	0.324808
	0.320119	2.263863	0.024841	0.325804
	0.512091	2.268766	0.024534	0.324442
	-0.21353	-2.26625	0.024691	0.325055
MAGI1	-0.20027	-2.26322	0.024881	0.32593
	0.18309	2.270523	0.024425	0.323975
	0.269964	2.268334	0.024561	0.324492
WDR61;ADAMTS7;DNAJA4;PSMA4;CTSH;ACSBG1;IDH3A	-0.39409	-2.26805	0.024579	0.324535
	0.104175	2.26781	0.024594	0.324654
	0.316765	2.265788	0.02472	0.32522
	-0.16864	-2.26612	0.024699	0.3251
	-0.36382	-2.26688	0.024652	0.324894
	0.242057	2.268663	0.024541	0.324442
	-0.25494	-2.2693	0.024501	0.324345
ERO1LB	0.36847	2.271315	0.024376	0.323695
	0.180425	2.269949	0.024461	0.324194
CD248	0.340604	2.267974	0.024583	0.324559
	0.144692	2.266073	0.024702	0.325102
NCKAP1L	-0.22065	-2.2666	0.024669	0.324928
BRD7	0.276511	2.271035	0.024393	0.323759
	0.290881	2.270113	0.02445	0.324126
	-0.28642	-2.27111	0.024389	0.323746
	-0.29119	-2.26909	0.024514	0.324345
AKR7A2	-0.26173	-2.26372	0.02485	0.325805
ERG	0.377132	2.266772	0.024658	0.324899
SDS;RITA1;PLBD2	0.2638	2.269015	0.024519	0.324367
	0.193546	2.263051	0.024892	0.325939
	-0.29396	-2.272	0.024334	0.323472
DSC2	-0.22898	-2.27072	0.024413	0.323906
	0.221593	2.27111	0.024389	0.323746
	-0.15749	-2.27016	0.024448	0.324121
	0.272487	2.266748	0.02466	0.324899
C5orf34	-0.22394	-2.262	0.024958	0.326259
	0.241999	2.268014	0.024581	0.324547
	0.182456	2.267681	0.024602	0.32466
SGIP1;LEPR;ENSG00000224570	0.265447	2.267214	0.024631	0.324761

	0.202086	2.272039	0.024331	0.32347
GIMAP7;GIMAP5;GIMAP8;GIMAP2;GIMAP6;GIMAP4	-0.20372	-2.26707	0.02464	0.324819
	-0.16927	-2.27257	0.024299	0.323293
	-0.28401	-2.26813	0.024574	0.324535
	0.252916	2.265375	0.024746	0.325306
	0.197242	2.262615	0.024919	0.326067
CD27;CLSTN3;IFFO1;C1RL-AS1;C1S;ENSG00000256967	-0.33397	-2.27064	0.024418	0.323931
	0.230815	2.268216	0.024568	0.324535
NRXN2;PLA2G16	0.293647	2.271161	0.024386	0.323746
	-0.23767	-2.26884	0.024529	0.324424
NDUFS3;ENSG00000244313	-0.22968	-2.26911	0.024513	0.324345
	0.200545	2.268844	0.024529	0.324424
CCDC125	-0.33954	-2.26636	0.024684	0.325021
MUC5B;LRRC56;TSPAN4;IFITM1;DEAF1;IFITM3;EFCAB4A;B4GA				
LNT4;MOB2	-0.27909	-2.26301	0.024894	0.325939
RHOJ	-0.33006	-2.26569	0.024726	0.32522
	-0.26146	-2.26898	0.024521	0.324367
	0.114678	2.267742	0.024598	0.32466
	0.31259	2.268618	0.024543	0.324442
ENSG00000272005	0.290154	2.266706	0.024663	0.324906
	0.328476	2.262873	0.024903	0.325959
KIAA0355;RHPN2;WTIP;LRP3;CEP89;PDCD2L;CEBPG	-0.31223	-2.26159	0.024984	0.326358
	-0.30544	-2.26917	0.024509	0.324345
	0.233003	2.255005	0.025403	0.327608
STAT5B;ATP6V0A1;FKBP10;KRT19;KRT42P;KRT13;TMEM99;PTR				
F	-0.32702	-2.26084	0.025031	0.326577
	0.190026	2.267218	0.024631	0.324761
	0.236703	2.268535	0.024548	0.324443
KANK2;DOCK6;ICAM3;CNN1;AP1M2;CDKN2D;ZNF440;ZNF627;				
C19orf38	0.319201	2.257693	0.025231	0.327222
	0.191071	2.267205	0.024631	0.324761
	0.234844	2.262057	0.024954	0.326251
	0.239827	2.269959	0.02446	0.324194
	0.240332	2.26916	0.02451	0.324345
	0.161815	2.269332	0.024499	0.324345
ZNF57;GNG7;S1PR4;MATK;APBA3	-0.2201	-2.26691	0.02465	0.324894
GOLGA7	0.165481	2.269789	0.024471	0.324223
	-0.13201	-2.26292	0.0249	0.325946
C11orf21	0.475935	2.270579	0.024422	0.323975
	0.262036	2.26914	0.024511	0.324345
	0.248977	2.262172	0.024947	0.326234
	-0.30936	-2.26868	0.02454	0.324442
	0.262707	2.266452	0.024678	0.32498
	-0.29905	-2.25512	0.025396	0.327608
	-0.21759	-2.26534	0.024748	0.325308
MISP	0.230658	2.265716	0.024724	0.32522
CD7;C17orf62	-0.244	-2.26474	0.024786	0.325482

	-0.20297	-2.2654	0.024744	0.325297
ENSG00000224479;PRDX3P4;SNTN;PRICKLE2;SYNPR-AS1;SYNPR;ADAMTS9-AS2;ADAMTS9;PRICKLE2-AS3	-0.36164	-2.26565	0.024728	0.325226
FAM20C;MAD1L1;PSMG3-AS1;HEATR2;ENSG00000249852;PRKAR1B;PDGFA	-0.20948	-2.26434	0.024811	0.325623
	0.257255	2.269428	0.024493	0.324317
	0.27169	2.264965	0.024771	0.325443
	0.19276	2.263884	0.024839	0.325804
AKR7A2;ARHGEF10L;KLHDC7A	-0.30708	-2.26819	0.02457	0.324535
C22orf34;MAPK12;SHANK3;ENSG00000235111;ENSG00000213279;MAPK11;RABL2B	-0.32281	-2.2663	0.024688	0.325041
	0.235816	2.268477	0.024552	0.324443
	0.264287	2.268635	0.024542	0.324442
	0.327635	2.267401	0.024619	0.32475
	-0.19938	-2.26862	0.024543	0.324442
SARDH	0.303544	2.268736	0.024536	0.324442
AKAP3	0.187649	2.268137	0.024573	0.324535
	0.279519	2.266564	0.024671	0.324928
TTC25	0.178995	2.267093	0.024638	0.324813
	-0.25527	-2.26352	0.024862	0.325866
	0.243102	2.267624	0.024605	0.324697
	-0.15206	-2.26609	0.024701	0.3251
	0.209512	2.25704	0.025273	0.327322
RAMP3;AEBP1;HECW1;NACAD;SPDYE1	0.312797	2.2667	0.024663	0.324906
	0.340332	2.26908	0.024515	0.324345
	-0.44462	-2.26657	0.024671	0.324928
	0.169134	2.266892	0.024651	0.324894
HAPLN3;WDR93;CRTC3;PEX11A;CIB1;ABHD2	-0.39065	-2.26782	0.024593	0.324654
	-0.24583	-2.26478	0.024783	0.325469
	0.134627	2.267727	0.024599	0.32466
	0.316241	2.266632	0.024667	0.324922
SYNRG	-0.32112	-2.26622	0.024693	0.325074
VSIG10L	-0.2762	-2.26847	0.024552	0.324443
	-0.23916	-2.26632	0.024687	0.325041
ENSG00000272008	-0.27404	-2.26865	0.024541	0.324442
	-0.13972	-2.26924	0.024505	0.324345
	-0.2942	-2.26814	0.024573	0.324535
	-0.19535	-2.26684	0.024654	0.324899
IDI1;PRR26;ADARB2	-0.38644	-2.26422	0.024818	0.325661
	0.123567	2.267094	0.024638	0.324813
	0.132213	2.267683	0.024602	0.32466
	0.132783	2.263613	0.024856	0.325822
	0.216201	2.269155	0.02451	0.324345
UIMC1;ZNF346-IT1	-0.12929	-2.26528	0.024752	0.325333
C1QTNF2;EBF1;ENSG00000253456;ENSG00000253811;RNF145;ATP10B	0.251906	2.265935	0.024711	0.325165
	-0.15662	-2.26498	0.024771	0.325443

AFF1	-0.25643	-2.26805	0.024578	0.324535
PDGFRB;HMGXB3;SPARC;ANXA6	0.20118	2.265216	0.024756	0.325338
	0.216628	2.267145	0.024635	0.3248
	0.175044	2.264664	0.02479	0.325502
	-0.13279	-2.25983	0.025095	0.326851
ENSG00000251034	-0.17806	-2.26862	0.024543	0.324442
	-0.21093	-2.2669	0.024651	0.324894
	-0.28085	-2.26612	0.024699	0.3251
	0.277601	2.265535	0.024736	0.325244
	-0.18138	-2.26748	0.024614	0.324723
FBLN1;ENSG00000238120;ENSG00000226328;NUP50;RIBC2;P				
HF21B;KIAA0930	0.227509	2.261263	0.025005	0.326453
PSD3;SH2D4A	-0.26986	-2.26609	0.024701	0.3251
	0.225622	2.264286	0.024814	0.325645
	0.237661	2.260935	0.025025	0.326531
	0.247723	2.265476	0.024739	0.325264
	-0.39371	-2.26917	0.024509	0.324345
	0.248476	2.266828	0.024655	0.324899
	0.153144	2.261705	0.024977	0.326328
	0.368113	2.263483	0.024865	0.325866
	0.303758	2.268846	0.024529	0.324424
	-0.17789	-2.26401	0.024832	0.325761
WNT9A	-0.26507	-2.26587	0.024715	0.325202
	0.154912	2.266873	0.024652	0.324894
MICALCL	-0.29439	-2.26836	0.024559	0.324492
	0.326742	2.271325	0.024375	0.323695
KDELR2	0.161925	2.266169	0.024696	0.325084
TNRC6C;TMC8;ST6GALNAC2;ST6GALNAC1	-0.34022	-2.26928	0.024502	0.324345
MERTK;NPHP1	-0.29465	-2.26753	0.024611	0.324709
	-0.25211	-2.26381	0.024844	0.325805
	-0.17302	-2.26989	0.024464	0.324194
ENSG00000261404	0.189961	2.264525	0.024799	0.325557
	0.212624	2.265688	0.024726	0.32522
	0.180234	2.265793	0.02472	0.32522
	0.26909	2.267991	0.024582	0.324555
	-0.30167	-2.26492	0.024774	0.32545
	0.173102	2.262625	0.024919	0.326067
	-0.1719	-2.26897	0.024522	0.324367
	0.194338	2.266733	0.024661	0.324899
ETV5	-0.26247	-2.26726	0.024628	0.324761
	-0.3727	-2.26472	0.024787	0.325486
	-0.21923	-2.2612	0.025009	0.326453
	-0.1841	-2.26773	0.024599	0.32466
	0.198091	2.264382	0.024808	0.325614
	0.245316	2.265099	0.024763	0.325393
ENSG00000230490;ENSG00000234535;ENSG00000232986	-0.27185	-2.26373	0.024849	0.325805
	-0.2056	-2.26364	0.024854	0.325822

TSPAN32;NAP1L4;C11orf21;MRPL23	-0.37248	-2.26575	0.024722	0.32522
	-0.28184	-2.26856	0.024547	0.324443
	0.26355	2.266268	0.02469	0.325051
GLTSCR1L	0.257755	2.263023	0.024894	0.325939
WDR61;DNAJA4;PSMA4;IDH3A;ADAMTS7	-0.25721	-2.2648	0.024782	0.325469
TTC22;TMEM59	-0.18081	-2.26315	0.024886	0.32593
	0.122766	2.267484	0.024614	0.324723
PYHIN1;CD84;AIM2;SLAMF1;LY9;SLAMF6;FCRL6;CD244;CD48	-0.35465	-2.26144	0.024994	0.326416
	-0.21328	-2.26595	0.02471	0.325165
	-1.21376	-2.26733	0.024624	0.324761
HERC1;TLN2	-0.29293	-2.26512	0.024762	0.325386
	-0.23199	-2.26433	0.024811	0.325623
	0.29965	2.265548	0.024735	0.325244
	-0.14327	-2.25999	0.025085	0.326775
	0.248633	2.262823	0.024906	0.32599
	-0.23329	-2.26601	0.024706	0.325125
	-0.21282	-2.26753	0.024611	0.324709
	0.251796	2.264382	0.024808	0.325614
	-0.53705	-2.26558	0.024733	0.325244
ENSG00000255468;TBC1D10C	-0.24843	-2.26483	0.02478	0.325469
FAM155A	0.322733	2.262785	0.024909	0.326003
	-0.32103	-2.26722	0.02463	0.324761
	0.2506	2.265033	0.024767	0.325423
MDM4;PIK3C2B	0.158545	2.262901	0.024901	0.325946
SERPINB6;SLC22A23;SERPINB9;BPHL;WRNIP1;TUBB2A	0.25868	2.268757	0.024535	0.324442
	-0.22717	-2.26592	0.024711	0.325165
	0.275305	2.267224	0.02463	0.324761
PRR5	0.307257	2.263997	0.024832	0.325761
	-0.2168	-2.26647	0.024677	0.324975
ITGAL;CORO1A;ITGAX;ZNF629	0.320737	2.264909	0.024775	0.32545
	-0.28364	-2.2668	0.024657	0.324899
	0.228796	2.265251	0.024754	0.325333
TIMM10;UBE2L6	-0.24155	-2.26211	0.024951	0.326244
FENDRR	-0.22515	-2.26513	0.024761	0.325386
	0.220473	2.265325	0.024749	0.325308
	0.218709	2.266167	0.024696	0.325084
	0.257622	2.261017	0.02502	0.326531
	0.163005	2.265234	0.024755	0.325333
	-0.33432	-2.26378	0.024846	0.325805
	0.25656	2.261699	0.024977	0.326328
	0.11003	2.264022	0.024831	0.325761
	0.191591	2.261948	0.024961	0.326265
	0.216171	2.260758	0.025037	0.326598
ATP5H;UNC13D;ICT1;MRPS7;HN1	-0.18455	-2.26831	0.024562	0.324492
PLAC8;FAM175A	-0.34922	-2.26559	0.024732	0.325244
IRF8	-0.23223	-2.26211	0.024951	0.326244

KIF21B;PTPN7	-0.32351	-2.26908	0.024515	0.324345
	0.233101	2.258363	0.025188	0.327222
	0.228537	2.263249	0.024879	0.325929
C11orf49;MAPK8IP1;DDB2;CRY2;PACSIN3;MADD;ARHGAP1;HARBI1;PHF21A;ENSG00000254427	-0.32004	-2.26557	0.024733	0.325244
KIF26A;INF2;C14orf2;EIF5;EXOC3L4;ADSSL1;ENSG00000259508;ENSG00000246451	-0.40843	-2.26442	0.024806	0.325613
	-0.19272	-2.25951	0.025115	0.326932
	-0.32118	-2.26954	0.024486	0.324269
	-0.18013	-2.26465	0.024791	0.325502
	0.285673	2.263908	0.024838	0.325795
CTSB	-0.2018	-2.26546	0.02474	0.325264
	0.113023	2.266669	0.024665	0.324907
	0.283855	2.264738	0.024786	0.325482
	-0.18906	-2.26209	0.024952	0.326244
CAMTA1;HES2;GPR153	0.329108	2.266186	0.024695	0.325084
STRA13;OXLD1	-0.16962	-2.26334	0.024874	0.325891
TIMP4;HRH1	-0.27751	-2.26375	0.024848	0.325805
	-0.23666	-2.26654	0.024673	0.324942
	-0.27655	-2.26454	0.024798	0.325552
	-0.16552	-2.2678	0.024594	0.324655
	0.254286	2.266673	0.024665	0.324907
	-0.45529	-2.26317	0.024885	0.32593
NKD1;ENSG00000261685;ENSG00000260029	-0.20411	-2.26193	0.024963	0.326265
	0.163653	2.263268	0.024878	0.325923
	0.193319	2.263849	0.024842	0.325804
	-0.2185	-2.26046	0.025055	0.326712
P4HA2	0.198773	2.267703	0.0246	0.32466
	0.159775	2.263701	0.024851	0.325806
	0.137754	2.268047	0.024579	0.324535
	0.19885	2.260578	0.025048	0.326685
	-0.34027	-2.25661	0.0253	0.327445
	-0.26888	-2.2581	0.025205	0.327222
MUC4;MUC20;LRRC15;FAM43A;TNK2;GP5	-0.32897	-2.26328	0.024877	0.325921
	-0.2096	-2.26306	0.024891	0.325939
CDC25B;SIGLEC1	0.248496	2.264791	0.024782	0.325469
	0.208321	2.260724	0.025039	0.326615
SGSM3;L3MBTL2	0.189089	2.261449	0.024993	0.326416
ENSG00000178404;DNAH17;CBX2;C1QTNF1;SGSH;EIF4A3;SLC26A11	-0.2736	-2.2648	0.024782	0.325469
	0.190023	2.264337	0.024811	0.325623
NDUFS6	0.252708	2.266575	0.024671	0.324928
	-0.18324	-2.26721	0.024631	0.324761
	0.228269	2.262689	0.024915	0.326061
	0.310781	2.264281	0.024814	0.325645
	-0.16376	-2.26157	0.024985	0.326364
ARHGEF10	-0.20219	-2.26602	0.024705	0.325125

	-0.24623	-2.26611	0.0247	0.3251
	-0.40329	-2.26323	0.02488	0.32593
TECPR2	-0.35543	-2.25942	0.025122	0.326948
C6orf10;SLC44A4;ENSG00000225914;NOTCH4	0.251551	2.261977	0.024959	0.326259
MAF	0.319208	2.264956	0.024772	0.325443
	-0.1196	-2.26393	0.024836	0.325786
	0.253593	2.265155	0.02476	0.325377
	0.188573	2.264565	0.024797	0.325544
	0.255796	2.264695	0.024788	0.325486
	-0.17391	-2.25793	0.025216	0.327222
	0.149202	2.261247	0.025006	0.326453
	-0.35117	-2.26574	0.024723	0.32522
SLC16A1-AS1;LRIG2;OLFML3;HIPK1;PHTF1;DENND2C;ENSG00000235527;SLC16A1;AMPD1;MAGI3;BCAS2;NRAS	-0.42265	-2.263	0.024895	0.325939
	0.265265	2.26338	0.024871	0.325884
	-0.19973	-2.26291	0.0249	0.325946
ZNF37BP;ENSG00000215146;HNRNPF	-0.18654	-2.26093	0.025025	0.326531
SMIM5	0.399476	2.266354	0.024684	0.325021
	0.192999	2.26001	0.025084	0.326775
	0.207588	2.261419	0.024995	0.32642
	-0.24928	-2.26423	0.024818	0.32566
	-0.21269	-2.263	0.024895	0.325939
	-0.34031	-2.26386	0.024841	0.325804
	-0.2466	-2.26666	0.024665	0.324907
	-0.2641	-2.26573	0.024724	0.32522
	-0.14383	-2.26004	0.025082	0.326775
	-0.29145	-2.26585	0.024716	0.325203
BMP7	0.294381	2.264115	0.024825	0.325715
NIF3L1;KCTD18;SPATS2L;NDUFB3;SGOL2;AOX1	-0.37271	-2.26348	0.024865	0.325866
	0.218115	2.256012	0.025338	0.3275
	0.232519	2.264495	0.024801	0.325572
	0.377123	2.265327	0.024749	0.325308
WDR45B;NOTUM;ENSG00000265458;PCYT2	-0.2241	-2.26215	0.024949	0.326239
	-0.25389	-2.26674	0.02466	0.324899
	-0.18218	-2.25174	0.025613	0.328635
	0.343691	2.262441	0.02493	0.326176
PKD1L1	0.239178	2.26553	0.024736	0.325244
ATP1A1;VANGL1;CASQ2;SLC22A15	-0.36965	-2.2616	0.024983	0.326358
SHANK3;MAPK12;MAPK11	0.202834	2.265422	0.024743	0.325288
	-0.18376	-2.26028	0.025067	0.326748
	-0.24178	-2.2605	0.025053	0.326701
	0.270569	2.263609	0.024857	0.325822
FAM227A;CBY1	-0.28831	-2.26564	0.024729	0.325228
ENSG00000198580	0.302142	2.261358	0.024999	0.326444
	-0.24308	-2.26403	0.02483	0.325761
	0.148509	2.260014	0.025084	0.326775

ENSG00000232811	0.203529	2.264931	0.024774	0.32545
	0.233193	2.263376	0.024871	0.325884
RLTPR;CDH5;ESRP2;FAM65A;CMTM4;DPEP2;CMTM3;CES2;ZDH				
HC1;FAM96B;TRADD;ENKD1	-0.23986	-2.25899	0.025149	0.32701
	0.195574	2.263138	0.024886	0.32593
	-0.18688	-2.26208	0.024953	0.326244
	-0.17187	-2.26314	0.024886	0.32593
	0.178615	2.260223	0.02507	0.32676
	-0.19856	-2.26293	0.024899	0.325946
	0.166951	2.264801	0.024782	0.325469
KPNB1	-0.29754	-2.26413	0.024824	0.325715
	-0.31979	-2.26307	0.024891	0.325939
NT5M	0.217253	2.264954	0.024772	0.325443
GALNT6;KRT7	-0.19298	-2.26379	0.024846	0.325805
	-0.39637	-2.26042	0.025058	0.32672
	0.191955	2.262198	0.024946	0.326234
PINLYP;XRCC1	-0.32852	-2.26009	0.025079	0.326775
	0.231663	2.257727	0.025229	0.327222
	-0.37215	-2.26363	0.024855	0.325822
FGR;PTAFR;WDTC1;TRNAU1AP;THEMIS2	-0.24706	-2.26552	0.024736	0.325244
	0.325514	2.262638	0.024918	0.326067
	-0.22701	-2.26109	0.025016	0.326504
	0.22114	2.258741	0.025164	0.327106
	-0.1507	-2.26503	0.024768	0.325423
	-0.2525	-2.26427	0.024815	0.325645
	-0.16124	-2.26177	0.024972	0.326328
	-0.17035	-2.26076	0.025037	0.326598
	-0.26641	-2.26216	0.024948	0.326234
	-0.26571	-2.26566	0.024728	0.325226
	0.231008	2.263967	0.024834	0.325767
ENSG00000267121	-0.34263	-2.26013	0.025076	0.326775
	0.187777	2.257824	0.025223	0.327222
	-0.21241	-2.2629	0.024901	0.325946
	0.285772	2.262962	0.024897	0.325946
MFGE8;ABHD2;ACAN;CIB1;KIF7;HAPLN3;WDR93;PEX11A	-0.29856	-2.25464	0.025426	0.327709
PRDM16;DFFB;LINC00982	0.311362	2.261738	0.024975	0.326328
	0.160215	2.261524	0.024988	0.326383
RBMS2;B4GALNT1;ARHGEF25	-0.17253	-2.26263	0.024918	0.326067
	0.231903	2.263401	0.02487	0.325884
	0.180295	2.260804	0.025034	0.326589
	0.120397	2.265576	0.024733	0.325244
	-0.4329	-2.26535	0.024748	0.325308
MYO3A	-0.47561	-2.2635	0.024863	0.325866
	0.121914	2.264575	0.024796	0.325544
	0.232078	2.259482	0.025117	0.326934
	0.10264	2.259521	0.025115	0.326932

CCR4	-0.37066	-2.26374	0.024848	0.325805
	-0.28245	-2.26122	0.025007	0.326453
	-0.15847	-2.26054	0.02505	0.326686
	0.226791	2.257567	0.025239	0.327222
	0.213631	2.26236	0.024935	0.326218
	0.114924	2.262366	0.024935	0.326218
SCAND3;HLA-F;TRIM27;TRIM39	0.275657	2.261981	0.024959	0.326259
	0.11889	2.256396	0.025314	0.3275
	0.258418	2.26227	0.024941	0.326234
	-0.27852	-2.2648	0.024782	0.325469
	0.243109	2.259127	0.02514	0.327004
	0.235999	2.257591	0.025238	0.327222
	0.186611	2.260393	0.02506	0.326722
HCP5;GPSM3;LTB;TAPSAR1;HSPA1B;HSPA1A;TAP2;TAP1;HLA-DMA;CLIC1;LST1;PSMB9	-0.28355	-2.26003	0.025083	0.326775
FUOM;ECHS1	-0.20564	-2.2601	0.025078	0.326775
ENSG00000224187	0.214098	2.259794	0.025098	0.326851
GLIS2	-0.31487	-2.25997	0.025086	0.326775
HES6	0.258161	2.25893	0.025152	0.327011
	0.320769	2.263149	0.024886	0.32593
KCNA3;CD53;ENSG00000259834	0.410497	2.266008	0.024706	0.325125
	0.159356	2.260306	0.025065	0.326748
TAP2	0.226987	2.260985	0.025022	0.326531
	-0.36533	-2.26373	0.024849	0.325805
KRT23;RAMP2-AS1;TUBG2;BECN1;CNTNAP1;EZH1;HAP1;FKBP10	0.197142	2.261996	0.024958	0.326259
	0.229453	2.262784	0.024909	0.326003
	0.129524	2.263616	0.024856	0.325822
	0.178401	2.258199	0.025199	0.327222
TPCN2;MRGPRF;IGHMBP2;PPP6R3;MTL5;LRP5;ENSG00000261625	-0.40263	-2.25917	0.025137	0.326987
CAPN2;ENSG00000225265	-0.25431	-2.26191	0.024964	0.326265
	0.197179	2.259951	0.025088	0.326779
HRH1	-0.25378	-2.26355	0.02486	0.32586
KIAA0922;TRIM2;TMEM154	-0.33	-2.26401	0.024832	0.325761
	0.277749	2.264574	0.024796	0.325544
RNF213;CCDC40	0.283691	2.264894	0.024776	0.325453
PPP1R18;DDR1;SLC44A4;VARS2	-0.20174	-2.26006	0.025081	0.326775
	0.286927	2.26204	0.024956	0.326251
ENSG00000264058	0.202719	2.263714	0.02485	0.325805
MRPS23	0.159018	2.25685	0.025285	0.32736
	-0.19729	-2.25801	0.025211	0.327222
	-0.22928	-2.26145	0.024993	0.326416
	-0.13756	-2.25667	0.025296	0.327423
	0.357834	2.263118	0.024888	0.325934
TMEM116;TCTN1;IFT81;SH2B3;ATP2A2	0.413646	2.262925	0.0249	0.325946
	0.177519	2.263968	0.024834	0.325767

	0.180645	2.260085	0.025079	0.326775
	0.194118	2.260957	0.025024	0.326531
	-0.3086	-2.25755	0.02524	0.327222
	0.169382	2.263331	0.024874	0.325891
PCBD2	0.268081	2.26311	0.024888	0.325934
	0.227347	2.264467	0.024803	0.325584
	0.193441	2.263443	0.024867	0.325879
	-0.19281	-2.25753	0.025241	0.327222
CARD8;PLA2G4C;PRRG2;FUT2;HRC;RASIP1;EHD2;TEAD2	-0.23835	-2.25887	0.025157	0.327038
ZNF418;ZIK1;ZNF772;ZNF671;ZNF154;ZNF549;ZNF211	0.257019	2.262035	0.024956	0.326251
MISP	0.219411	2.262755	0.02491	0.326017
	0.318373	2.262168	0.024947	0.326234
	0.238605	2.263616	0.024856	0.325822
GPR132;CDCA4;AHNAK2;KIAA0125;C14orf79;JAG2	-0.2677	-2.26228	0.02494	0.326234
	-0.21267	-2.2583	0.025193	0.327222
	-0.18126	-2.25751	0.025243	0.327222
	-0.23368	-2.2622	0.024945	0.326234
IGF2;TSSC2;NAP1L4;CARS	0.228612	2.254634	0.025427	0.327709
	-0.5125	-2.26221	0.024945	0.326234
	0.248883	2.254075	0.025463	0.327835
ZNF423;ADCY7;NKD1	0.297028	2.257601	0.025237	0.327222
RASA1	-0.19527	-2.26232	0.024938	0.326222
NBEA	0.374727	2.262609	0.02492	0.326067
GNG7;GNA15;ZNF57;AES;ABHD17A	-0.22201	-2.26218	0.024947	0.326234
ATP6V1G1	-0.18751	-2.26349	0.024864	0.325866
	0.259425	2.260686	0.025041	0.326633
	-0.17049	-2.26119	0.025009	0.326453
CD96	-0.34057	-2.26055	0.02505	0.326686
	0.237937	2.262215	0.024944	0.326234
ANKRD32;CAST	-0.33283	-2.25743	0.025248	0.327222
	0.215614	2.260952	0.025024	0.326531
EGFL7;PTGDS	-0.32487	-2.26223	0.024943	0.326234
PTPRN2	0.222986	2.258126	0.025204	0.327222
DOPEY2	0.222436	2.260249	0.025069	0.326748
C4orf36;MAPK10	-0.30206	-2.24938	0.025766	0.329201
RSPH10B;RSPH10B2	0.223727	2.263411	0.024869	0.325884
	0.17822	2.259408	0.025122	0.326948
	0.104457	2.260967	0.025023	0.326531
	0.221914	2.261743	0.024974	0.326328
BOK;PDCD1	-0.24784	-2.25872	0.025166	0.327106
	0.202311	2.263333	0.024874	0.325891
DNAJB6	-0.30001	-2.25905	0.025145	0.32701
TOMM40	0.259077	2.257171	0.025264	0.327302
ARHGAP25;AAK1;ANXA4	-0.35065	-2.26026	0.025068	0.326748
	0.37947	2.258672	0.025169	0.32712
EXOG;ACVR2B;DLEC1	-0.35302	-2.2579	0.025218	0.327222
	0.197825	2.261626	0.024982	0.326358

	-0.2627	-2.25492	0.025409	0.327651
	-0.34393	-2.26107	0.025017	0.32651
	0.178087	2.255216	0.025389	0.327608
SLC22A3;RSPH3;FNDC1;PNLDC1;MRPL18;C6orf99;TCP1;ACAT2;				
ENSG00000213076	-0.29936	-2.25509	0.025398	0.327608
	0.278208	2.260419	0.025058	0.32672
	0.283123	2.256984	0.025276	0.327339
DHX32;UROS;CTBP2;BCCIP;OAT	-0.35895	-2.25793	0.025216	0.327222
GALNS;TRAPPC2L	0.259705	2.263731	0.024849	0.325805
	0.245845	2.2598	0.025097	0.326851
SRPR;FOXRED1	-0.21036	-2.25557	0.025367	0.32755
KMT2E	-0.38853	-2.25942	0.025121	0.326948
	0.179877	2.256136	0.025331	0.3275
	0.100955	2.259947	0.025088	0.326779
	0.407496	2.262295	0.024939	0.326234
HM13	-0.18416	-2.26083	0.025032	0.326577
CNTD1;DNAJC7	0.285209	2.261725	0.024975	0.326328
C11orf21;LSP1;C11orf89;TSPAN32	0.230226	2.25938	0.025124	0.326948
	0.166214	2.257464	0.025246	0.327222
	0.226269	2.253948	0.025471	0.327839
ITPR2	-0.3121	-2.25769	0.025232	0.327222
	-0.29047	-2.26299	0.024895	0.325939
	0.246547	2.262341	0.024936	0.326218
	0.246597	2.262086	0.024953	0.326244
KCNQ4;RIMS3;SCMH1;MFSD2A;HIVEP3	-0.36452	-2.25854	0.025177	0.327177
	0.202719	2.257983	0.025213	0.327222
	-0.28511	-2.25977	0.025099	0.326851
	-0.22677	-2.25939	0.025123	0.326948
FNDC5;MTMR9LP;DCDC2B;SYNC;CSMD2;ZBTB8A;TMEM39B	-0.35275	-2.25871	0.025167	0.327106
	0.12267	2.260134	0.025076	0.326775
	-0.28684	-2.25598	0.02534	0.3275
	0.180491	2.26161	0.024983	0.326358
CENPV	0.275859	2.251481	0.02563	0.328709
NXPH3;SGCA;COL1A1;CACNA1G;LRRC59;MYCBPAP;SLC35B1	0.335731	2.25646	0.02531	0.3275
	-0.15866	-2.2576	0.025237	0.327222
	0.280928	2.256482	0.025308	0.3275
	-0.22285	-2.25949	0.025117	0.326934
SHE;ATP8B2;NPR1;TDRD10;GATAD2B;SLC27A3;INTS3;CREB3L4	-0.40277	-2.25659	0.025301	0.327452
	-0.18555	-2.25358	0.025494	0.327952
	-0.18109	-2.25903	0.025146	0.32701
RPS3AP32	-0.22852	-2.25927	0.025131	0.326981
GSTO1;ENSG00000237827;SFR1	0.165297	2.258116	0.025204	0.327222
NUGGC;PTK2B	-0.21461	-2.25634	0.025318	0.3275
	-0.23516	-2.2581	0.025205	0.327222

	0.279726	2.259076	0.025143	0.32701
	-0.28455	-2.25767	0.025233	0.327222
	-0.3315	-2.25926	0.025131	0.326981
	0.271695	2.26129	0.025003	0.326453
GBAS;LANCL2;CCT6A;CHCHD2;PSPH;SUMF2;SEC61G	-0.31463	-2.25829	0.025193	0.327222
	0.340726	2.253146	0.025522	0.328108
	0.310836	2.246731	0.025938	0.329803
UQCR10;NF2	-0.24309	-2.25734	0.025254	0.327259
	-0.19314	-2.26119	0.025009	0.326453
	0.176771	2.258425	0.025185	0.327222
MSI2;DGKE;MKS1;SEPT4;EPX;ENSG00000263499	-0.30169	-2.25612	0.025331	0.3275
	-0.21277	-2.25911	0.025141	0.327004
	0.265075	2.26176	0.024973	0.326328
ARHGEF15;BCL6B	0.248341	2.254409	0.025441	0.327745
GPR133	0.303453	2.258988	0.025149	0.32701
	-0.17005	-2.25966	0.025106	0.326916
VANGL1;ATP1A1	-0.32044	-2.26109	0.025016	0.326504
IL16;ABHD17C	-0.31504	-2.26031	0.025065	0.326748
	-0.16756	-2.25942	0.025121	0.326948
PTPRB;TSPAN8	0.283592	2.258756	0.025163	0.327105
	0.190643	2.256929	0.02528	0.327344
	0.234216	2.257892	0.025218	0.327222
	0.143553	2.251684	0.025617	0.328657
	0.186521	2.261294	0.025003	0.326453
	0.175245	2.255577	0.025366	0.32755
	-0.25819	-2.25838	0.025187	0.327222
	0.213361	2.259769	0.025099	0.326851
SPHK1;MRPS7;ICT1;ST6GALNAC1;SMIM5;UNC13D;SLC9A3R1;ST6GALNAC2;SLC16A5;FDXR;CASKIN2;SMIM6;RNF157-AS1;TRIM65;GALK1	-0.22504	-2.25608	0.025334	0.3275
	0.1588	2.256376	0.025315	0.3275
UNC93B1;GSTP1;TBC1D10C;ALDH3B2;CTSF;FAM86C2P;ALDH3B1;PITPNM1;ENSG00000255306;CDK2AP2;AIP	-0.41138	-2.25864	0.025171	0.327121
	-0.25557	-2.251	0.025661	0.328775
	-0.17003	-2.26136	0.024999	0.326444
	0.206407	2.260048	0.025081	0.326775
	-0.20827	-2.26115	0.025011	0.326469
	0.338515	2.263142	0.024886	0.32593
	0.194398	2.261475	0.024991	0.326414
	0.177428	2.257492	0.025244	0.327222
LINC-PINT;ENSG00000271204;ENSG00000273319;ENSG00000233559;TMEM209;MIR29B1	0.246427	2.259589	0.025111	0.326932
SRFBP1	0.21344	2.256123	0.025331	0.3275
	-0.25467	-2.26016	0.025074	0.326775
AES;GNA11	0.271842	2.263085	0.02489	0.325939
INTS5;FADS3;RAB3IL1;SYT7;SCGB1A1	-0.31795	-2.25739	0.02525	0.327227

	-0.39344	-2.26125	0.025005	0.326453
	-0.21351	-2.25717	0.025264	0.327302
SNORD17;OVOL2	-0.23095	-2.25888	0.025156	0.327038
	0.271091	2.25675	0.025291	0.327383
	0.286943	2.255975	0.025341	0.3275
VIMP	0.262676	2.257874	0.02522	0.327222
	0.237479	2.256888	0.025283	0.327354
	0.290198	2.26083	0.025032	0.326577
	-0.21607	-2.25952	0.025115	0.326932
KIAA1755;SNORA71C;RPRD1B;TGM2;RALGAPB	-0.21785	-2.25873	0.025165	0.327106
NPEPPS;HOXB3;HOXB6	0.179904	2.257473	0.025245	0.327222
BECN1	0.158567	2.257733	0.025229	0.327222
	0.170178	2.25906	0.025144	0.32701
	-0.26714	-2.25463	0.025427	0.327709
	0.237744	2.254506	0.025435	0.32773
	0.270998	2.256777	0.02529	0.327377
	-0.16052	-2.25617	0.025329	0.3275
	0.151489	2.260003	0.025084	0.326775
TM4SF18;ENSG00000224831;CP;ENSG00000240137;PFN2;W				
WTR1;ANKUB1;ENSG00000268175;SERP1;ENSG00000242791;				
TSC22D2	0.243417	2.254002	0.025467	0.327839
	0.33234	2.261944	0.024962	0.326265
	0.376028	2.260163	0.025074	0.326775
	0.279707	2.261305	0.025002	0.326453
	0.354494	2.261721	0.024976	0.326328
	0.273523	2.256324	0.025319	0.3275
KANSL1-AS1;ARL17A;KANSL1;LRRC37A;ENSG00000263503	0.125853	2.248959	0.025793	0.329212
	-0.32448	-2.26092	0.025027	0.326536
	-0.25949	-2.25532	0.025382	0.327608
	0.223526	2.260576	0.025048	0.326685
	0.288185	2.256014	0.025338	0.3275
HMHA1;MOB3A;ZNF57	-0.21792	-2.25784	0.025222	0.327222
GPATCH8;RPL27;IFI35;GRN;SLC25A39;BECN1	0.217781	2.26133	0.025	0.326453
	-0.1382	-2.25897	0.02515	0.32701
	0.282289	2.257722	0.025229	0.327222
	0.438592	2.263468	0.024866	0.325868
	0.234957	2.255093	0.025397	0.327608
	0.272139	2.259237	0.025133	0.326981
	0.219892	2.261536	0.024987	0.326383
	-0.19971	-2.25819	0.025199	0.327222
ARHGEF28	0.317702	2.26191	0.024964	0.326265
	0.239797	2.256952	0.025278	0.327339
	0.25608	2.261648	0.02498	0.326358
	0.334342	2.257452	0.025246	0.327222
SEC14L3;PATZ1	-0.31668	-2.26186	0.024967	0.326299
LACE1	0.334761	2.259235	0.025133	0.326981

	0.188556	2.256038	0.025337	0.3275
EGFL7;GPSM1;NPDC1;UAP1L1;LCNL1;FAM69B;PTGDS;SETP5;P				
NPLA7	-0.18713	-2.25795	0.025215	0.327222
KIAA0125;IGHV3-7;ENSG00000257270	0.143561	2.25141	0.025634	0.328709
	0.220371	2.258519	0.025179	0.327182
TTC9;MAP3K9	0.204257	2.259387	0.025123	0.326948
RALGAPA1;SNX6;RNU1-27P	0.387658	2.260935	0.025025	0.326531
ADPRHL1;ATP11A;TUBGCP3;DCUN1D2;TMCO3	-0.32931	-2.25763	0.025235	0.327222
	0.246431	2.258618	0.025172	0.327121
ENSG00000253773	-0.27161	-2.25587	0.025347	0.327515
	0.320854	2.259232	0.025133	0.326981
DYNC1I1	-0.24627	-2.25906	0.025144	0.32701
	0.18373	2.25885	0.025158	0.327038
	-0.22291	-2.26052	0.025052	0.326696
	-0.27672	-2.25376	0.025483	0.327888
	0.28244	2.255964	0.025342	0.3275
	-0.30647	-2.26017	0.025073	0.326775
	-0.21438	-2.26057	0.025048	0.326685
	-0.24987	-2.25468	0.025424	0.327709
C22orf34;ENSG00000235111;MAPK12	-0.31181	-2.25951	0.025116	0.326932
	0.211362	2.260367	0.025061	0.326722
PRR5	0.188791	2.252485	0.025565	0.328369
	0.330082	2.255512	0.02537	0.32755
	-0.2897	-2.26068	0.025042	0.326633
LY75	-0.18413	-2.25394	0.025471	0.327839
	-0.26478	-2.26121	0.025008	0.326453
	0.239995	2.260378	0.025061	0.326722
SRSF9;DYNLL1;TRIAP1;COX6A1;MLEC	0.231355	2.252252	0.02558	0.328473
SRGAP3	0.34206	2.259198	0.025135	0.326987
	-0.2456	-2.26106	0.025018	0.32651
	0.168087	2.258335	0.02519	0.327222
	-0.30595	-2.25783	0.025223	0.327222
	-0.17238	-2.25805	0.025208	0.327222
	0.155036	2.25894	0.025152	0.327011
	-0.27838	-2.2571	0.025269	0.327302
PSMG3;HEATR2;SUN1;FAM20C;ENSG00000249852;PRKAR1B;G				
PR146;MAD1L1	-0.25328	-2.2575	0.025244	0.327222
DLL4;SPINT1;GPR176	-0.23085	-2.26078	0.025035	0.326598
	0.267443	2.259513	0.025115	0.326932
	0.34141	2.259364	0.025125	0.326951
	0.401901	2.258968	0.02515	0.32701
VWA1;SKI;MXRA8	-0.2626	-2.26046	0.025055	0.326712
	0.270939	2.259005	0.025148	0.32701
	-0.23385	-2.25687	0.025283	0.327354
	0.168083	2.257865	0.02522	0.327222
	0.282302	2.256631	0.025299	0.327441
	-0.20341	-2.25954	0.025113	0.326932

	-0.40152	-2.25957	0.025112	0.326932
	0.279021	2.259534	0.025114	0.326932
	-0.27624	-2.2581	0.025205	0.327222
	0.35016	2.257795	0.025225	0.327222
	0.163935	2.251305	0.025641	0.328734
	0.156141	2.255765	0.025354	0.32755
	-0.24982	-2.25836	0.025189	0.327222
BOK;ING5	0.162145	2.256059	0.025335	0.3275
	0.237905	2.260277	0.025067	0.326748
	-0.18613	-2.25571	0.025358	0.32755
EXOSC4	-0.26819	-2.25613	0.025331	0.3275
	-0.24693	-2.25728	0.025257	0.327268
	0.19844	2.258617	0.025172	0.327121
PDCD6;SLC9A3;ENSG00000188242;TPPP;ENSG00000225138;L				
PCAT1;TRIP13;SDHA	-0.52378	-2.25474	0.02542	0.327709
	-0.25638	-2.25615	0.02533	0.3275
	-0.81296	-2.26057	0.025049	0.326685
F10	0.180428	2.250994	0.025661	0.328775
	0.221579	2.259109	0.025141	0.327004
	0.138327	2.257331	0.025254	0.327259
IGLC3	-0.24773	-2.25972	0.025102	0.326879
SH2D2A	-0.19096	-2.26162	0.024982	0.326358
PLEKHG2;DYRK1B;AXL;ADCK4;LTBP4;CYP2B7P;ENSG000002693				
53;CYP2F1;EID2;PRX	-0.25346	-2.25828	0.025194	0.327222
	0.161009	2.257187	0.025263	0.327302
	0.255806	2.256147	0.02533	0.3275
	-0.2776	-2.25518	0.025392	0.327608
	-0.28663	-2.25928	0.02513	0.326981
	0.118202	2.252195	0.025584	0.328494
	-0.20829	-2.24918	0.025779	0.329212
ENSG00000266947;CCL2	0.200004	2.25323	0.025517	0.328108
	0.115281	2.257885	0.025219	0.327222
	-0.29352	-2.25732	0.025255	0.32726
	-0.26907	-2.26135	0.024999	0.326444
NUP210;HDAC11	0.223464	2.258666	0.025169	0.32712
LIMS2;GPR17;MYO7B	-0.27722	-2.25727	0.025258	0.327268
	0.226599	2.260253	0.025069	0.326748
	0.204842	2.255109	0.025396	0.327608
	-0.15322	-2.25189	0.025603	0.328577
	-0.25607	-2.25371	0.025486	0.327896
DNAJC16;FHAD1;ENSG00000228140;FBLIM1;RSG1;CROCC;HSP				
B7;NECAP2;DDI2	-0.16249	-2.25572	0.025357	0.32755
NNMT;TTC12;ZW10;ANKK1	-0.29857	-2.25602	0.025338	0.3275
	0.313339	2.257476	0.025245	0.327222
MRPL23;C11orf21	-0.26521	-2.2559	0.025346	0.3275
	0.167476	2.252846	0.025542	0.328256
	-0.29009	-2.2582	0.025199	0.327222

SORBS3	0.308941	2.260419	0.025058	0.32672
	0.204474	2.254563	0.025431	0.327716
	-0.23808	-2.25563	0.025363	0.32755
SRSF9;RNU4-1;ENSG00000272849	0.29613	2.258635	0.025171	0.327121
PTP4A3;BAI1;LY6D	-0.27377	-2.25508	0.025398	0.327608
	-0.28239	-2.25621	0.025326	0.3275
	-0.3153	-2.26036	0.025061	0.326722
	0.22716	2.257625	0.025235	0.327222
GFPT1;CNRIP1;C1D;NFU1;ANTXR1;ANXA4	-0.31424	-2.25226	0.025579	0.328472
	0.29359	2.257871	0.02522	0.327222
PIK3CD	0.143482	2.253198	0.025519	0.328108
	0.266526	2.256869	0.025284	0.327354
	0.209916	2.259556	0.025113	0.326932
ENSG00000261226;PIEZO1;RNF166;CBFA2T3	-0.21303	-2.25976	0.0251	0.326851
	0.154498	2.255629	0.025363	0.32755
	-0.21026	-2.25503	0.025401	0.327608
ASB1;ENSG00000232306	0.289695	2.257811	0.025224	0.327222
	0.170884	2.254153	0.025458	0.327808
	0.196572	2.253241	0.025516	0.328108
IL10RA;CD3G;CD3E;AMICA1;CBL;CD3D	0.365849	2.261215	0.025008	0.326453
	0.167751	2.257685	0.025232	0.327222
PFDN5;ATF7;MAP3K12;ATP5G2;MFSD5;PRR13	-0.19095	-2.25129	0.025642	0.328734
	0.20722	2.259211	0.025135	0.326987
	-0.3406	-2.25748	0.025244	0.327222
	0.226978	2.257166	0.025265	0.327302
	-0.27571	-2.25594	0.025343	0.3275
	-0.3108	-2.25612	0.025331	0.3275
PCDHGA4	0.250039	2.253624	0.025492	0.32794
GPR26	0.137758	2.257151	0.025266	0.327302
	0.260705	2.259307	0.025128	0.326981
	0.331298	2.257922	0.025217	0.327222
	0.25207	2.259784	0.025098	0.326851
	-0.23104	-2.25505	0.0254	0.327608
	0.192146	2.256343	0.025317	0.3275
	0.26146	2.259902	0.025091	0.326806
	-0.2945	-2.2567	0.025295	0.327415
	-0.24632	-2.25484	0.025414	0.327671
NEK5	0.221017	2.256769	0.02529	0.327377
	-0.51683	-2.26002	0.025083	0.326775
	0.170591	2.257992	0.025212	0.327222
	0.238328	2.258146	0.025202	0.327222
	0.198179	2.254061	0.025463	0.327835
	-0.2059	-2.25576	0.025355	0.32755
	0.265478	2.255593	0.025365	0.32755
PDLIM4;SLC22A5;KIF3A;P4HA2;SLC22A4;ENSG00000230612;S				
OWAHA;ENSG00000233006	-0.28096	-2.25335	0.025509	0.32806
	-0.21308	-2.25458	0.02543	0.327709

PRADC1;SPR;BOLA3;CCT7;MOGS;TPRKB	-0.30804	-2.25895	0.025151	0.327011
	0.1692	2.257759	0.025227	0.327222
FOXA1;CLEC14A;SSTR1;SLC25A21;MIPOL1;ENSG00000259087;				
PAX9	-0.25814	-2.25695	0.025279	0.327339
	-0.28795	-2.25653	0.025305	0.327495
	-0.14746	-2.25928	0.02513	0.326981
	-0.17203	-2.25562	0.025363	0.32755
	-0.31426	-2.25512	0.025396	0.327608
	-0.18278	-2.2583	0.025192	0.327222
INPP5D;SCARNA6;SCARNA5	0.25301	2.257413	0.025249	0.327222
LYZ	-0.36585	-2.25352	0.025498	0.327966
VARS;PSMB8;CLIC1;ENSG00000225914;ATF6B	0.211607	2.256263	0.025322	0.3275
	0.31692	2.2577	0.025231	0.327222
	-0.29059	-2.25537	0.02538	0.327608
ARHGAP26	0.379477	2.257638	0.025235	0.327222
	0.183821	2.259639	0.025107	0.326923
	0.221556	2.252029	0.025594	0.328559
	0.182779	2.258094	0.025206	0.327222
MRVI1;CTR9;ZBED5;ENSG00000254865	-0.34204	-2.25493	0.025408	0.32765
	-0.17039	-2.2543	0.025448	0.327786
	-0.34553	-2.25751	0.025243	0.327222
	-0.13329	-2.2547	0.025422	0.327709
	0.234649	2.257447	0.025247	0.327222
	0.162854	2.256298	0.02532	0.3275
	-0.32202	-2.25829	0.025193	0.327222
HLA-DPA1	0.598899	2.255942	0.025343	0.3275
	0.302931	2.255952	0.025342	0.3275
	-0.28656	-2.25523	0.025389	0.327608
	0.223598	2.253546	0.025497	0.327954
	-0.20957	-2.25698	0.025277	0.327339
	-0.32145	-2.25678	0.025289	0.327377
ZNF527;SPINT2;ZNF540	-0.20725	-2.25113	0.025652	0.328743
	-0.24464	-2.25208	0.025591	0.328534
AP4B1-AS1	0.183583	2.250187	0.025713	0.328938
	-0.13071	-2.25392	0.025472	0.327842
	-0.1783	-2.25357	0.025495	0.327952
	-0.16084	-2.25122	0.025647	0.328734
	0.15461	2.258998	0.025148	0.32701
	0.23079	2.256303	0.02532	0.3275
	-0.32575	-2.25375	0.025483	0.327888
	0.248033	2.254336	0.025446	0.327771
	-0.23483	-2.25691	0.025281	0.327352
JAK3;FCHO1;IL12RB1;BST2;LRRC25;ENSG00000269640	-0.27199	-2.25712	0.025268	0.327302
	0.291958	2.255294	0.025384	0.327608
	0.228635	2.253762	0.025483	0.327888
FGD5;SH3BP5;ZFYVE20;TPRXL;FBLN2	-0.26327	-2.25615	0.02533	0.3275
	0.173526	2.259164	0.025138	0.326987

PHLPP1;VPS4B	-0.31774	-2.25918	0.025136	0.326987
	-0.40413	-2.25523	0.025389	0.327608
	-0.19134	-2.25727	0.025258	0.327268
	-0.22858	-2.2564	0.025314	0.3275
	-0.25586	-2.25629	0.02532	0.3275
	-0.24446	-2.25699	0.025276	0.327339
	-0.17682	-2.25459	0.02543	0.327709
HLA-F	-0.52621	-2.25835	0.025189	0.327222
	0.253353	2.256248	0.025323	0.3275
	-0.26607	-2.2505	0.025693	0.328924
	0.253204	2.257553	0.02524	0.327222
	0.165836	2.257932	0.025216	0.327222
	-0.20807	-2.25813	0.025203	0.327222
	-0.35097	-2.2542	0.025455	0.327808
	0.120719	2.255298	0.025384	0.327608
	-0.39614	-2.25154	0.025626	0.328708
	0.172852	2.255504	0.025371	0.32755
	0.219973	2.258388	0.025187	0.327222
ENSG00000239521	0.121919	2.255043	0.025401	0.327608
	0.207086	2.256666	0.025297	0.327423
	0.190315	2.256105	0.025333	0.3275
MRPS15	-0.27224	-2.25714	0.025266	0.327302
	-0.18442	-2.25358	0.025495	0.327952
	0.303088	2.2552	0.02539	0.327608
DBI	0.269669	2.257495	0.025244	0.327222
TBC1D10C;CLCF1;PTPRCAP;ADRBK1	-0.42871	-2.25284	0.025542	0.328256
	-0.27758	-2.25781	0.025224	0.327222
ADARB2;ADARB2-AS1;IDI1	-0.26476	-2.24968	0.025747	0.329096
	-0.31331	-2.2535	0.0255	0.327966
	-0.23881	-2.25498	0.025404	0.327617
	-0.23369	-2.24996	0.025728	0.329038
	0.246064	2.257643	0.025234	0.327222
	0.281675	2.252537	0.025562	0.328345
COA1	0.135625	2.255088	0.025398	0.327608
	-0.1796	-2.25504	0.025401	0.327608
	-0.14566	-2.25394	0.025471	0.327839
CCSAP	-0.43943	-2.25409	0.025461	0.327835
STYXL1;HIP1;ENSG00000227038;SRRM3;NCF1C	0.229846	2.249779	0.02574	0.329096
	0.299935	2.255788	0.025353	0.32755
CEP68	0.278054	2.255287	0.025385	0.327608
ZNF546;NFKBIB;RPS16	0.221174	2.257424	0.025248	0.327222
	0.242292	2.256461	0.02531	0.3275
	0.262555	2.25625	0.025323	0.3275
	-0.26563	-2.25886	0.025157	0.327038
GRAP2;SUN2;CACNA1I;PDGFB;ENSG00000225528	-0.16359	-2.25375	0.025484	0.327888
	0.244275	2.257733	0.025229	0.327222
	-0.35745	-2.25399	0.025468	0.327839

	-0.2501	-2.25419	0.025455	0.327808
ENSG00000264198;IKZF3;KRT20;KRT23;CCR7	-0.19987	-2.25812	0.025204	0.327222
	-0.25982	-2.25752	0.025242	0.327222
	-0.14916	-2.2531	0.025525	0.328136
	0.153463	2.256814	0.025287	0.327377
C20orf166-AS1;GATA5;SLCO4A1;OSBPL2	0.307279	2.255498	0.025371	0.32755
	0.311682	2.257981	0.025213	0.327222
	0.250844	2.254239	0.025452	0.327808
YIPF1;TTC22;TMEM59	-0.30464	-2.25117	0.02565	0.328735
	0.221896	2.252751	0.025548	0.328287
STMN3	-0.32462	-2.25706	0.025272	0.327315
AKAP3	0.328182	2.257701	0.025231	0.327222
	-0.31735	-2.25195	0.025599	0.328576
	-0.24338	-2.25746	0.025246	0.327222
PTPRN2	-0.34097	-2.25556	0.025367	0.32755
ANKRD65;C1orf222;SKI;SSU72;ENSG00000272106;FAM213B;V				
WA1;MORN1	-0.17012	-2.25502	0.025402	0.327608
	-0.2609	-2.25806	0.025208	0.327222
	-0.21353	-2.25191	0.025602	0.328576
	-0.32678	-2.25277	0.025546	0.32828
	0.205107	2.251004	0.025661	0.328775
	0.247908	2.255108	0.025396	0.327608
	-0.22932	-2.24824	0.02584	0.329413
	-0.22641	-2.25038	0.025701	0.328924
	0.222131	2.254694	0.025423	0.327709
	-0.2374	-2.25568	0.025359	0.32755
	0.163163	2.24931	0.02577	0.329212
	0.205602	2.254413	0.025441	0.327745
	0.171712	2.250177	0.025714	0.328938
GIMAP5;LINC00996;GIMAP2	-0.28529	-2.25489	0.02541	0.327651
	0.147779	2.250217	0.025711	0.328936
SCMH1	-0.30582	-2.2503	0.025706	0.328924
POGZ	0.149523	2.255661	0.025361	0.32755
	-0.20417	-2.25096	0.025664	0.328796
	0.28283	2.255167	0.025393	0.327608
	-0.22459	-2.2583	0.025193	0.327222
SYNJ1;TCP10L;EVA1C	-0.30533	-2.25163	0.02562	0.328671
	-0.19122	-2.25782	0.025223	0.327222
	-0.2214	-2.25233	0.025575	0.328432
CBX2;RPTOR	-0.26188	-2.25593	0.025344	0.3275
	0.186594	2.25268	0.025552	0.328335
	0.184142	2.250581	0.025688	0.328924
	0.13415	2.25103	0.025659	0.328775
	0.316342	2.255914	0.025345	0.3275
RAD51B	-0.18824	-2.25394	0.025471	0.327839
	0.180446	2.257101	0.025269	0.327302
	0.145402	2.256273	0.025322	0.3275

CBX2;TIMP2;C1QTNF1;TNRC6C;CYTH1;CCDC40;ENSG00000178404;USP36;CANT1	0.291119	2.247225	0.025906	0.329705
	0.159436	2.253686	0.025488	0.327898
	0.22002	2.256431	0.025312	0.3275
	0.212414	2.253739	0.025484	0.327888
	-0.21038	-2.25398	0.025469	0.327839
	0.183225	2.254881	0.025411	0.327651
	0.276755	2.256008	0.025339	0.3275
	0.196059	2.253972	0.025469	0.327839
	-0.23782	-2.25549	0.025372	0.32755
	-0.13602	-2.25088	0.025669	0.328841
	0.25593	2.255252	0.025387	0.327608
	0.281985	2.252381	0.025572	0.328432
RPL18A	-0.16643	-2.2485	0.025823	0.329279
	0.157288	2.251308	0.025641	0.328734
FANCD2	-0.2274	-2.2571	0.025269	0.327302
	0.208291	2.253734	0.025485	0.327888
	-0.16249	-2.25128	0.025643	0.328734
	-0.2562	-2.25299	0.025532	0.328179
	-0.36583	-2.25254	0.025561	0.328345
	0.248803	2.256032	0.025337	0.3275
ENSG00000261868	0.15376	2.254594	0.025429	0.327709
	0.24685	2.25144	0.025632	0.328709
	-0.15384	-2.25178	0.025611	0.328621
	0.262449	2.255567	0.025367	0.32755
	-0.32843	-2.25463	0.025427	0.327709
	0.276548	2.256219	0.025325	0.3275
TMEM206	-0.1827	-2.25154	0.025626	0.328708
STK4;SDC4;UBE2C	-0.33974	-2.25078	0.025675	0.328862
	0.221067	2.255506	0.025371	0.32755
	0.208583	2.252621	0.025556	0.328345
JAKMIP1	-0.39223	-2.25596	0.025341	0.3275
	-0.17682	-2.25433	0.025446	0.327771
	0.283476	2.257085	0.02527	0.327304
ENSG00000163075;INHBB;ENSG00000229326;PTPN4	-0.37092	-2.24954	0.025756	0.32914
PSMG3	0.265062	2.254815	0.025415	0.327675
	0.225459	2.255755	0.025355	0.32755
SCGB1A1	-0.37198	-2.25532	0.025383	0.327608
	0.227821	2.253074	0.025527	0.328148
LDLRAD2	-0.22812	-2.25322	0.025517	0.328108
	0.316332	2.254603	0.025429	0.327709
CEP104;TP73-AS1;LINC00982;MEGF6;PRDM16;DFFB;LINC01134	-0.30669	-2.24672	0.025939	0.329803
KIAA0825;NR2F1;NR2F1-AS1	0.30335	2.245628	0.02601	0.330179
IFFO1;CLSTN3;CD27;C1R;SCNN1A;C1S;VWF;RBP5;C1RL;C1RL-AS1;CD9	-0.28299	-2.2535	0.0255	0.327966
HDAC4;HDLBP;SNED1	-0.27497	-2.25197	0.025598	0.328576

	0.177531	2.255205	0.02539	0.327608
	0.190005	2.252875	0.02554	0.328244
	-0.18713	-2.25235	0.025574	0.328432
	0.352152	2.255628	0.025363	0.32755
	0.131124	2.249681	0.025746	0.329096
	0.248688	2.255157	0.025393	0.327608
	0.337536	2.251119	0.025653	0.328743
	0.551832	2.257261	0.025259	0.327268
	-0.19324	-2.24801	0.025855	0.329474
	0.130415	2.253417	0.025505	0.328012
	0.23728	2.2484	0.025829	0.329321
	-0.31493	-2.25501	0.025403	0.327608
ZSCAN12	0.310706	2.254236	0.025452	0.327808
	-0.20925	-2.25551	0.025371	0.32755
	0.259639	2.253886	0.025475	0.327849
ZNF732;ZNF876P	0.217711	2.250392	0.0257	0.328924
	0.269719	2.245062	0.026047	0.330277
	0.152536	2.253041	0.025529	0.328165
	0.252143	2.252941	0.025536	0.328209
SEC23B	0.295363	2.253178	0.02552	0.328108
	0.147405	2.252509	0.025563	0.328359
	0.229	2.25051	0.025693	0.328924
KIAA1551	0.243993	2.254172	0.025456	0.327808
	0.239572	2.252781	0.025546	0.32828
	-0.25824	-2.25449	0.025436	0.32773
KIF21B	-0.1956	-2.25346	0.025502	0.327988
SPARCL1	0.294495	2.251644	0.025619	0.328671
	-0.30993	-2.25549	0.025372	0.32755
HS3ST6	0.234021	2.255901	0.025346	0.3275
	-0.268	-2.255	0.025403	0.327608
	-0.25541	-2.25625	0.025323	0.3275
TXNDC11;ZC3H7A	0.350326	2.254336	0.025446	0.327771
	-0.16498	-2.2565	0.025307	0.3275
	0.203931	2.254225	0.025453	0.327808
	-0.28172	-2.25194	0.0256	0.328576
	0.203281	2.256948	0.025279	0.327339
	-0.27815	-2.25454	0.025433	0.327727
	-0.13136	-2.25221	0.025583	0.328494
	-0.25251	-2.24792	0.02586	0.32952
	0.225724	2.254886	0.025411	0.327651
	0.258726	2.254153	0.025458	0.327808
THSD1	-0.32096	-2.25195	0.025599	0.328576
	-0.19384	-2.25679	0.025289	0.327377
DENND6A;FAM107A;C3orf67;RPP14;ABHD6	0.291661	2.250583	0.025688	0.328924
GAPVD1	0.256516	2.24865	0.025813	0.329244
	0.160249	2.250485	0.025694	0.328924
	0.178166	2.255697	0.025359	0.32755

SSBP3;TMEM61	-0.27777	-2.24482	0.026063	0.33032
	0.166457	2.254759	0.025419	0.327709
	0.292036	2.254833	0.025414	0.327671
	-0.26488	-2.25315	0.025522	0.328108
	-0.14512	-2.25264	0.025555	0.328342
ALAS1	0.360411	2.252561	0.02556	0.328345
	0.208216	2.250678	0.025682	0.328909
	-0.53506	-2.25084	0.025671	0.328841
	-0.19783	-2.24974	0.025742	0.329096
ENSG00000235027	0.218059	2.247019	0.025919	0.329745
FMNL1	0.162277	2.251788	0.02561	0.32862
	0.214544	2.249521	0.025757	0.32914
	-0.15356	-2.25144	0.025633	0.328709
RCSD1;CD247	0.235374	2.251189	0.025649	0.328734
	0.381531	2.255756	0.025355	0.32755
	0.240074	2.250849	0.025671	0.328841
NRP1	0.251767	2.251116	0.025653	0.328743
	-0.19132	-2.25507	0.025399	0.327608
	-0.22335	-2.25407	0.025463	0.327835
	0.181639	2.24521	0.026038	0.330244
GGCT;PRR15;NOD1;AQP1	-0.28685	-2.248	0.025856	0.329474
	0.225265	2.249821	0.025737	0.329087
OTUD4	-0.30852	-2.25315	0.025522	0.328108
PSMA5	0.178776	2.251346	0.025638	0.328734
	-0.43318	-2.25421	0.025454	0.327808
	0.241879	2.252564	0.02556	0.328345
	0.249933	2.252637	0.025555	0.328342
	0.259268	2.244321	0.026096	0.330404
MOK;ENSG00000259508	-0.31802	-2.25468	0.025423	0.327709
HK2;MTHFD2	0.141535	2.251208	0.025647	0.328734
	-0.13458	-2.25315	0.025522	0.328108
IQCE;SDK1;TTYH3	0.272038	2.249509	0.025757	0.32914
	-0.2266	-2.24674	0.025937	0.329803
	0.540839	2.255935	0.025343	0.3275
	-0.17591	-2.25151	0.025628	0.328709
	-0.2962	-2.25388	0.025475	0.327849
	-0.12793	-2.24789	0.025863	0.329532
RFFL;SLFN12L;ENSG00000267554;ENSG00000255987	-0.33916	-2.24978	0.02574	0.329096
ENSG00000270614	0.18908	2.250787	0.025675	0.328862
NOD1	0.281708	2.256137	0.02533	0.3275
ENSG00000255545;GLB1L2	0.223939	2.250509	0.025693	0.328924
SLC36A1;NDST1;SYNPO	-0.22471	-2.25428	0.02545	0.327794
	-0.21744	-2.25292	0.025537	0.328214
RN7SL4P	-0.13892	-2.25035	0.025703	0.328924
	0.254916	2.246778	0.025935	0.329803
RASSF1	-0.21406	-2.25414	0.025458	0.327809
	-0.17503	-2.25328	0.025514	0.328108

	0.349065	2.252648	0.025554	0.328342
	-0.46792	-2.25396	0.02547	0.327839
	-0.18548	-2.25388	0.025475	0.327849
LINC00865	-0.28466	-2.25039	0.0257	0.328924
	0.233677	2.243096	0.026176	0.330902
	-0.31884	-2.24756	0.025884	0.329563
	-0.16291	-2.25565	0.025362	0.32755
	-0.19001	-2.24845	0.025826	0.32929
	-0.23826	-2.25143	0.025633	0.328709
	0.109232	2.23891	0.026453	0.331859
	-0.21766	-2.24865	0.025813	0.329244
RN7SKP71	0.331913	2.255487	0.025372	0.32755
	-0.17066	-2.25355	0.025496	0.327954
	0.149057	2.252584	0.025559	0.328345
	0.286013	2.251856	0.025605	0.328584
RNF6;WASF3;MTMR6	-0.29812	-2.25443	0.02544	0.327745
	0.197275	2.253984	0.025468	0.327839
COL4A1;COL4A2	0.250973	2.247497	0.025888	0.329589
	0.369169	2.255122	0.025395	0.327608
GSKIP;C14orf132	0.296904	2.253864	0.025476	0.327849
ENSG00000262370;IL32;CLUAP1;ENSG00000261971;ENSG000				
00272079	0.203517	2.249109	0.025783	0.329212
	0.248936	2.254446	0.025439	0.327745
IFFO1;SCNN1A;CLSTN3;ANO2;C1RL-AS1	-0.37346	-2.25449	0.025436	0.32773
	0.218776	2.247861	0.025864	0.329533
	0.148373	2.251348	0.025638	0.328734
FAM53B	0.254878	2.250328	0.025704	0.328924
	0.268704	2.250679	0.025682	0.328909
	0.226933	2.252355	0.025573	0.328432
	-0.24342	-2.24761	0.025881	0.329561
NADK;SKI;MXRA8;TTLL10;TTLL10-				
AS1;VWA1;MORN1;C1orf222;PRKCZ;RER1;ENSG00000269896;				
ANKRD65;SSU72;PRDM16	0.309653	2.255175	0.025392	0.327608
HN1L;TCEB2	0.580515	2.255482	0.025372	0.32755
	0.302227	2.251637	0.02562	0.328671
LSM2	-0.15228	-2.24999	0.025726	0.329029
	0.204233	2.250749	0.025677	0.32888
	0.152711	2.248067	0.025851	0.329474
GSTT1;ENSG00000235231;ENSG00000272955;ENSG00000225				
282;ENSG00000273295;ENSG00000218537;ENSG0000027278				
7;GSTT2	0.571607	2.241023	0.026313	0.331351
	-0.2882	-2.25141	0.025634	0.328709
	-0.29737	-2.25219	0.025584	0.328494
HLA-A	0.282814	2.249154	0.02578	0.329212
	-0.3891	-2.2485	0.025823	0.329279
	-0.19055	-2.2499	0.025732	0.329054
	-0.15081	-2.25144	0.025632	0.328709

	0.16539	2.25132	0.02564	0.328734
	-0.12917	-2.24946	0.025761	0.329161
	0.305344	2.253701	0.025487	0.327896
PSMA5;LAMTOR5;CLCC1	-0.27959	-2.25449	0.025436	0.32773
	-0.34077	-2.25255	0.025561	0.328345
GNA15	0.261665	2.251888	0.025603	0.328577
	-0.22541	-2.24805	0.025852	0.329474
PKNOX2;FEZ1;KIRREL3	-0.28241	-2.25032	0.025705	0.328924
	0.243156	2.249877	0.025733	0.32906
PTPMT1	0.277457	2.254414	0.025441	0.327745
	-0.23617	-2.25033	0.025704	0.328924
CAMTA1	0.303405	2.252351	0.025574	0.328432
RN7SKP69	0.257146	2.250021	0.025724	0.329025
	0.220682	2.252157	0.025586	0.328505
	0.201626	2.248651	0.025813	0.329244
	0.217556	2.25069	0.025681	0.328909
	-0.21394	-2.2493	0.025771	0.329212
	0.31656	2.249015	0.025789	0.329212
C21orf58	-0.19886	-2.24394	0.026121	0.330566
FGF1;SPRY4	-0.39056	-2.25317	0.025521	0.328108
MEIS1	-0.28633	-2.25054	0.025691	0.328924
	-0.29565	-2.25315	0.025522	0.328108
	-0.12521	-2.24217	0.026237	0.331134
	-0.29649	-2.25233	0.025575	0.328432
R3HDM4;CDC34;C19orf24	-0.28887	-2.2544	0.025442	0.327746
	0.176408	2.24762	0.02588	0.329561
EMP1;GPRC5A;C12orf36;LOH12CR2;APOLD1	-0.29962	-2.24406	0.026113	0.330525
WDR35;PUM2	-0.3086	-2.24857	0.025818	0.329267
	-0.16684	-2.25037	0.025701	0.328924
RASSF1	-0.20935	-2.24766	0.025878	0.329561
SKAP1;NPEPPS;SP6;ENSG00000235300;MIR10A;CALCOCO2;HOXB4	-0.25468	-2.24927	0.025773	0.329212
ANKRD28	-0.41627	-2.24571	0.026005	0.330151
LINC01132	-0.27227	-2.25123	0.025646	0.328734
	-0.41398	-2.24859	0.025817	0.329265
FGD3	0.216579	2.252793	0.025545	0.32828
	0.228779	2.250816	0.025673	0.328854
	0.216328	2.251797	0.025609	0.32862
	-0.7937	-2.25472	0.025421	0.327709
	0.21474	2.250272	0.025708	0.328928
	0.323142	2.250437	0.025697	0.328924
	-0.28722	-2.24668	0.025941	0.329804
	-0.18692	-2.24709	0.025915	0.329745
	0.208037	2.249082	0.025785	0.329212
	-0.22903	-2.24514	0.026042	0.330244
	-0.28756	-2.24811	0.025848	0.329474
CARS;IGF2;NAP1L4	0.222666	2.249675	0.025747	0.329096

	0.181222	2.246885	0.025928	0.329783
SYNE3;LINC00341;BDKRB1;GSKIP	-0.23741	-2.24746	0.025891	0.329613
NKX3-1;SLC25A37;PHYHIP;GFRA2;BIN3	-0.52393	-2.24444	0.026088	0.330387
	0.184458	2.249076	0.025785	0.329212
	0.233074	2.247579	0.025883	0.329561
	0.208106	2.245722	0.026004	0.33015
	0.161043	2.247056	0.025917	0.329745
DDR1;GABBR1;HLA-F-AS1;PPP1R11;PPP1R18	-0.33927	-2.24758	0.025883	0.329561
	-0.26759	-2.24896	0.025793	0.329212
	0.302979	2.252989	0.025532	0.328179
MMRN2	-0.26606	-2.2546	0.025429	0.327709
	0.214693	2.253814	0.025479	0.327881
	0.201664	2.250849	0.025671	0.328841
CD6;CD5;MS4A1;TMEM132A;MS4A7;MS4A8;PPP1R32;MS4A6 A	-0.3982	-2.24628	0.025968	0.32996
ZCCHC24;ZMIZ1;KCNMA1;PPIF	0.216438	2.249545	0.025755	0.32914
	0.322868	2.251239	0.025645	0.328734
ARHGAP42	0.2795	2.246263	0.025969	0.32996
	0.109028	2.247332	0.025899	0.329677
	0.299554	2.251875	0.025604	0.328578
	0.228694	2.25127	0.025643	0.328734
GBAS	0.223025	2.250246	0.02571	0.328928
PEX13	0.264678	2.250418	0.025698	0.328924
	0.153383	2.248682	0.025811	0.329244
FAM83F;CBX7;NPTXR;TOMM22	-0.26941	-2.24971	0.025744	0.329096
	0.24193	2.247754	0.025871	0.329561
SEC22B	0.152495	2.251489	0.025629	0.328709
	0.402712	2.245299	0.026032	0.330244
ENSG00000260682	-0.19522	-2.25105	0.025658	0.328775
	0.197629	2.250537	0.025691	0.328924
TIMP4	-0.30099	-2.249	0.02579	0.329212
	0.290946	2.246873	0.025929	0.329783
	-0.29112	-2.25152	0.025627	0.328709
	-0.19531	-2.24642	0.025958	0.329904
BRI3	-0.20965	-2.25204	0.025594	0.328559
	0.134506	2.244674	0.026073	0.330346
	-0.24461	-2.24945	0.025761	0.329161
	-0.40949	-2.25091	0.025666	0.328822
	0.229358	2.250244	0.02571	0.328928
RASAL3;SYDE1;CYP4F11;ENSG00000267056	-0.19588	-2.24917	0.025779	0.329212
	-0.18202	-2.2491	0.025784	0.329212
	0.136679	2.244756	0.026067	0.33032
	0.22163	2.248327	0.025834	0.329353
FANCA;SPATA33;GAS8	0.327566	2.25105	0.025658	0.328775
ENSG00000257438	0.211208	2.252101	0.02559	0.328532
ENSG00000228648;ENSG00000231720	0.235603	2.249065	0.025786	0.329212
BAI1;PSCA;TOP1MT;GPIHBP1;RHPN1-AS1;EEF1D	-0.24159	-2.25065	0.025683	0.32892

	-0.24659	-2.25158	0.025624	0.328698
	-0.15961	-2.2492	0.025778	0.329212
TNK1	-0.19425	-2.24492	0.026057	0.330299
	0.132437	2.250288	0.025707	0.328927
	-0.18134	-2.25024	0.02571	0.328928
	0.263252	2.251254	0.025644	0.328734
	0.1677	2.243901	0.026123	0.330586
	-0.15888	-2.24891	0.025797	0.329226
	0.223238	2.243056	0.026179	0.330907
	-0.21208	-2.24888	0.025798	0.329234
	-0.37517	-2.24874	0.025807	0.329244
	-0.17247	-2.24808	0.02585	0.329474
	-0.20024	-2.24873	0.025808	0.329244
	-0.17231	-2.24955	0.025755	0.32914
	0.27002	2.248612	0.025816	0.329264
SLC16A5	-0.23406	-2.24868	0.025811	0.329244
	0.207836	2.248992	0.025791	0.329212
	0.328357	2.252989	0.025532	0.328179
FLT4;BTNL9	0.209348	2.247499	0.025888	0.329589
CPNE1	-0.16712	-2.24868	0.025811	0.329244
TNS1;RQCD1	0.213576	2.243076	0.026178	0.330907
DICER1-AS1	0.241104	2.252154	0.025586	0.328505
TRAF3IP1;HES6;TWIST2;ASB1;ENSG00000232306	0.228777	2.249733	0.025743	0.329096
	-0.17769	-2.24592	0.025991	0.330077
	0.162609	2.25116	0.02565	0.328736
	0.175883	2.245098	0.026045	0.330267
EFCAB10;RINT1;CDHR3	-0.24239	-2.24911	0.025783	0.329212
	0.21491	2.251419	0.025634	0.328709
	0.255031	2.246347	0.025963	0.329945
	0.207254	2.246286	0.025967	0.32996
	-0.32911	-2.24739	0.025895	0.329647
RASGRP3	-0.31553	-2.25258	0.025559	0.328345
	0.307894	2.248759	0.025806	0.329244
	-0.24012	-2.24786	0.025864	0.329533
INTS5;FADS3;SCGB2A1;TMEM216	-0.39004	-2.24182	0.026261	0.331202
C15orf27;PPCDC;FAM219B;COX5A;TYRO3P	-0.21056	-2.24542	0.026024	0.330244
	0.344917	2.249596	0.025752	0.329137
	-0.29921	-2.24914	0.025781	0.329212
KRT13	0.267102	2.246254	0.025969	0.32996
ENSG00000188002;TPPP;PDCD6	0.198161	2.247696	0.025875	0.329561
	-0.22876	-2.24967	0.025747	0.329096
	-0.1868	-2.24897	0.025792	0.329212
	0.161742	2.250598	0.025687	0.328924
CWC15;AMOTL1	-0.2293	-2.24282	0.026194	0.330919
	-0.26923	-2.24622	0.025972	0.32996
	0.175404	2.242646	0.026206	0.330954
MUC13;UMPS	0.193902	2.245568	0.026014	0.33019

	0.151064	2.248716	0.025809	0.329244
	-0.23174	-2.24621	0.025972	0.32996
	-0.26613	-2.24871	0.025809	0.329244
TESC	-0.2949	-2.24884	0.025801	0.329244
	0.233269	2.24678	0.025935	0.329803
CSMD1	0.276874	2.250115	0.025718	0.328962
ANKMY1;ENSG00000223991;PASK;ENSG00000233392;ENSG00000226321;FARP2;SNED1	-0.27863	-2.25046	0.025696	0.328924
	-0.35813	-2.2521	0.02559	0.328532
PSTPIP1	0.269823	2.249379	0.025766	0.329201
SYNE1	-0.30244	-2.24278	0.026197	0.330919
	0.312726	2.251187	0.025649	0.328734
	-0.13634	-2.24778	0.02587	0.329561
	0.247866	2.247216	0.025906	0.329705
CARS;TSSC2	0.159675	2.250316	0.025705	0.328924
	-0.20801	-2.25159	0.025622	0.328693
SYT8;ASCL2;TNNI2	0.491567	2.248208	0.025842	0.329432
	0.226471	2.250415	0.025699	0.328924
	-0.14525	-2.25173	0.025613	0.328635
	-0.20364	-2.249	0.02579	0.329212
	-0.44844	-2.24958	0.025753	0.32914
RNU1-2;RNU1-4	0.187417	2.252001	0.025596	0.328562
ADCY7;CYLD	0.266755	2.248944	0.025794	0.329214
	0.244691	2.252357	0.025573	0.328432
SKI	-0.16591	-2.24963	0.02575	0.329119
	-0.27693	-2.25191	0.025602	0.328576
	0.30502	2.248022	0.025854	0.329474
	-0.18831	-2.2446	0.026078	0.330367
	0.102891	2.248513	0.025822	0.329279
	0.261675	2.250373	0.025701	0.328924
MAP2K5	0.199101	2.250015	0.025725	0.329025
	0.194673	2.250346	0.025703	0.328924
	0.229429	2.245667	0.026008	0.330157
DYNC1LI2	0.208731	2.244506	0.026084	0.330378
	0.228176	2.245589	0.026013	0.33019
	0.24328	2.249866	0.025734	0.32906
FAM83H-AS1;MIR4664;FAM83H;ARHGAP39	0.312196	2.249952	0.025729	0.329038
	0.318118	2.249898	0.025732	0.329054
	0.161176	2.247515	0.025887	0.329589
	-0.13347	-2.24767	0.025877	0.329561
	0.259308	2.25172	0.025614	0.328638
CBFA2T3;PIEZO1;ENSG00000261226;ENSG00000259881;ENSG00000224888;RNF166;DEF8;ANKRD11;ENSG00000260923;ENSG00000260121;ENSG00000260279	-0.32204	-2.23935	0.026424	0.331674
	0.292344	2.246715	0.025939	0.329803
	-0.20179	-2.24742	0.025893	0.329632
ZFP2	0.259386	2.248976	0.025792	0.329212

TEKT2;ADPRHL2;ENSG00000232862;OSCP1;C1orf216;GRIK3	0.205572	2.249782	0.02574	0.329096
	-0.22284	-2.24214	0.026239	0.331134
	0.278111	2.247694	0.025875	0.329561
	-0.24642	-2.24703	0.025918	0.329745
	0.367262	2.24815	0.025846	0.329461
FUOM	0.235336	2.245927	0.025991	0.330077
	-0.27796	-2.24503	0.026049	0.330279
	-0.28901	-2.24646	0.025956	0.3299
	0.191057	2.245158	0.026041	0.330244
	0.212545	2.245246	0.026035	0.330244
	-0.39292	-2.2493	0.025771	0.329212
	0.241711	2.249472	0.02576	0.32916
PPP1R18;GABBR1;DDR1;HLA-F;PPP1R11;HLA-F-AS1	-0.30978	-2.24648	0.025954	0.329897
TMEM87B;PSD4;MERTK	-0.34028	-2.24458	0.026079	0.330367
	-0.28221	-2.24099	0.026315	0.331351
	-0.2191	-2.24872	0.025809	0.329244
EDNRA;ARHGAP10	-0.24203	-2.24913	0.025782	0.329212
	0.241709	2.249286	0.025772	0.329212
	0.297277	2.247991	0.025856	0.329474
	0.206126	2.249362	0.025767	0.329202
	-0.22289	-2.25031	0.025706	0.328924
SPARCL1;MAPK10;KLHL8;ENSG00000261496	-0.39934	-2.24346	0.026153	0.330728
	0.20066	2.247843	0.025866	0.329536
	0.165098	2.243527	0.026148	0.330717
	-0.26184	-2.24923	0.025775	0.329212
	-0.18194	-2.24547	0.026021	0.330226
	-0.17372	-2.24882	0.025802	0.329244
	-0.198	-2.24689	0.025928	0.329783
	0.467752	2.245698	0.026006	0.330151
HOXB6;FAM117A	0.284868	2.245395	0.026025	0.330244
CXCL16;NUP88	0.204569	2.25127	0.025643	0.328734
ANGEL1;CIPC;VASH1	-0.31043	-2.24727	0.025903	0.329702
TMEM214;PREB	0.213877	2.250143	0.025716	0.328948
	-0.36613	-2.24412	0.026109	0.33051
NUAK1;TXNRD1;ENSG00000257438	-0.307	-2.24613	0.025977	0.32997
	-0.34936	-2.25202	0.025595	0.32856
LAX1	-0.30186	-2.24913	0.025782	0.329212
	-0.18241	-2.24804	0.025853	0.329474
UQCC2;HSD17B8	-0.28764	-2.24727	0.025903	0.329702
	0.219231	2.24762	0.02588	0.329561
	0.155678	2.247023	0.025919	0.329745
	0.263237	2.249297	0.025771	0.329212
STAT5B;STAT5A;RUNDC1;ATP6V0A1;CNTD1;FKBP10;VPS25	-0.21547	-2.24903	0.025789	0.329212
SNORA74A;HARS	-0.18202	-2.24114	0.026305	0.331351
DHX16	0.267115	2.250379	0.025701	0.328924

	0.125806	2.244999	0.026051	0.330289
	-0.27151	-2.24039	0.026355	0.33149
	-0.16285	-2.25017	0.025715	0.328938
TESPA1;NCKAP1L;PCBP2	0.203499	2.238001	0.026513	0.332026
NIF3L1;NDUFB3;SUMO1;BZW1	-0.33951	-2.24352	0.026148	0.330717
	0.262145	2.248454	0.025826	0.32929
	-0.35887	-2.24363	0.026141	0.330717
	0.255269	2.249993	0.025726	0.329029
	-0.22545	-2.24355	0.026146	0.330717
RABL2B;ODF3B;DENND6B;SCO2;MAPK11	-0.2784	-2.24361	0.026143	0.330717
STIM2;SMIM20;ENSG00000240005	-0.34268	-2.24911	0.025783	0.329212
	0.254788	2.247804	0.025868	0.329551
	0.246629	2.247592	0.025882	0.329561
APOL3	0.298914	2.249924	0.02573	0.329052
	-0.25747	-2.24801	0.025855	0.329474
ENSG00000239498	0.177919	2.243505	0.026149	0.330717
	0.230536	2.247699	0.025875	0.329561
	-0.29003	-2.24717	0.025909	0.329719
	0.179258	2.249519	0.025757	0.32914
	0.239601	2.246172	0.025975	0.32997
	0.2492	2.247638	0.025879	0.329561
	-0.19427	-2.24969	0.025746	0.329096
	0.145022	2.239215	0.026433	0.331741
	-0.1355	-2.2487	0.02581	0.329244
	0.143474	2.244835	0.026062	0.330319
	0.294687	2.244763	0.026067	0.33032
	-0.173	-2.24526	0.026034	0.330244
RBMS2	0.125583	2.248379	0.025831	0.329329
	0.172079	2.248044	0.025853	0.329474
	-0.3405	-2.251	0.025661	0.328775
	0.140221	2.246635	0.025944	0.329812
NFKBIE	-0.2613	-2.24605	0.025983	0.330007
	-0.22745	-2.24891	0.025796	0.329226
	-0.23209	-2.25058	0.025688	0.328924
	-0.2601	-2.24611	0.025979	0.329974
	0.134444	2.241182	0.026303	0.331351
	-0.17902	-2.24613	0.025977	0.32997
	0.171214	2.246626	0.025945	0.329812
	0.305876	2.246728	0.025938	0.329803
	0.291336	2.248587	0.025817	0.329265
	-0.15963	-2.2502	0.025712	0.328938
	0.277294	2.244273	0.026099	0.330433
	0.256735	2.245733	0.026003	0.33015
	-0.38236	-2.24606	0.025982	0.330005
	0.274641	2.24887	0.025799	0.329236
	0.352432	2.242681	0.026204	0.330943
	0.288357	2.249173	0.025779	0.329212

	0.145796	2.241356	0.026291	0.331338
	-0.22742	-2.24666	0.025943	0.329812
	0.238254	2.245325	0.02603	0.330244
ZNF831;ZBP1	-0.30021	-2.24488	0.026059	0.330299
	0.199486	2.246245	0.02597	0.32996
MBP	-0.24084	-2.2444	0.026091	0.330387
NLRC5;GPR114;ENSG00000261270	0.24346	2.2464	0.02596	0.329911
CD79B;ERN1;LIMD2;MRC2	0.294993	2.249141	0.025781	0.329212
ENSG00000250860;GHR	0.280242	2.237752	0.02653	0.332026
	0.249903	2.247833	0.025866	0.329536
	0.213106	2.24618	0.025974	0.32997
	-0.13629	-2.24849	0.025824	0.329279
	0.101585	2.242801	0.026196	0.330919
	-0.16843	-2.2441	0.02611	0.33051
	0.240685	2.245725	0.026004	0.33015
	0.312084	2.244587	0.026078	0.330367
ENSG00000235131	0.308765	2.249687	0.025746	0.329096
	-0.17994	-2.24253	0.026214	0.331011
	-0.17021	-2.24575	0.026002	0.33015
	0.213603	2.246708	0.02594	0.329803
MIR4664;FAM83H-AS1;FAM83H	0.45541	2.250388	0.0257	0.328924
	0.257852	2.241111	0.026307	0.331351
	0.198934	2.246475	0.025955	0.329897
HIGD1B;EFTUD2;ACBD4;FMNL1;NSF;LRRC37A4P;MAP3K14;ENS				
G00000267121	-0.28411	-2.2453	0.026032	0.330244
	0.283383	2.242067	0.026244	0.331134
	0.27044	2.24514	0.026042	0.330244
	0.244897	2.248173	0.025844	0.329451
	0.262919	2.247166	0.02591	0.329719
	0.207528	2.246131	0.025977	0.32997
PSMC3	0.199421	2.242841	0.026193	0.330919
	-0.36791	-2.24807	0.025851	0.329474
EMILIN1;KRTCAP3;GPN1;KHK;KCNK3;AGBL5;SUPT7L	-0.24461	-2.24209	0.026243	0.331134
	-0.26014	-2.24877	0.025805	0.329244
DNAAF1;FAM92B;HSDL1;ENSG00000260228;HSBP1;USP10;ENS				
G00000262601;ATP2C2;WFDC1;MBTPS1;C16orf74;KIAA0513	-0.31755	-2.24494	0.026055	0.330299
	-0.26411	-2.24761	0.025881	0.329561
OSR1;WDR35	-0.36587	-2.23978	0.026395	0.33157
	-0.28822	-2.24439	0.026092	0.330387
	-0.22429	-2.24317	0.026171	0.330858
GPR146	0.259653	2.248561	0.025819	0.329267
FKBP10;HAP1;KRT23;ACLY;LEPREL4	-0.32647	-2.23846	0.026483	0.331941
HOXB-AS2;HOXB4	-0.23198	-2.24723	0.025906	0.329705
	0.186968	2.234214	0.026766	0.333043
	-0.23811	-2.24444	0.026088	0.330387
	0.273109	2.246688	0.025941	0.329804

	0.28437	2.245179	0.02604	0.330244
	0.101375	2.239688	0.026401	0.331591
TMEM14B;SYCP2L;NEDD9;MAK;C6orf52	0.526354	2.242362	0.026225	0.331102
	0.250222	2.245792	0.026	0.330141
	0.254287	2.247043	0.025918	0.329745
	-0.19146	-2.24003	0.026379	0.331522
RBL1	0.195399	2.245189	0.026039	0.330244
	-0.23091	-2.24643	0.025958	0.329904
	0.111196	2.242938	0.026187	0.330919
	0.362722	2.241648	0.026272	0.331223
	0.310229	2.244362	0.026093	0.330387
WDR45B;PCYT2;TBCD;SLC25A10	-0.19359	-2.24485	0.026061	0.330318
	-0.30448	-2.24789	0.025863	0.329532
CIAPIN1	-0.18597	-2.24881	0.025803	0.329244
ASPA;SPNS2;P2RX1;C17orf85;ZZEF1;ALOX15	-0.28783	-2.24204	0.026246	0.331134
	0.175665	2.248539	0.02582	0.329275
	0.304672	2.247303	0.025901	0.329691
	-0.37794	-2.24437	0.026093	0.330387
ARID5A;KANSL3	-0.25982	-2.24835	0.025833	0.329343
IL32	-0.23565	-2.2488	0.025803	0.329244
	-0.14865	-2.24633	0.025964	0.329946
	-0.26611	-2.24464	0.026075	0.330358
TRGC2	0.163834	2.24769	0.025876	0.329561
	-0.24318	-2.24438	0.026092	0.330387
	0.190671	2.244057	0.026113	0.330525
	0.154192	2.246214	0.025972	0.32996
	0.213483	2.240187	0.026368	0.33149
	0.202724	2.244406	0.02609	0.330387
	0.195433	2.247717	0.025874	0.329561
MAZ	-0.32277	-2.24351	0.026149	0.330717
	0.33367	2.242589	0.02621	0.33098
	0.224889	2.242323	0.026227	0.331105
	0.23374	2.245086	0.026046	0.330267
	0.18574	2.247014	0.02592	0.329745
PNO1	0.140973	2.235467	0.026683	0.33271
	-0.29777	-2.24715	0.025911	0.329719
	0.280017	2.247051	0.025917	0.329745
MARVELD3;AP1G1;PHLPP2;TAT;IST1	-0.29667	-2.23957	0.026409	0.331621
	0.163933	2.246771	0.025936	0.329803
	0.268214	2.245346	0.026029	0.330244
	-0.21545	-2.2411	0.026308	0.331351
	0.194126	2.246976	0.025922	0.329763
	0.266723	2.242671	0.026204	0.330943
	0.291978	2.244679	0.026072	0.330346
	0.275865	2.242979	0.026184	0.330919
	-0.12545	-2.2412	0.026301	0.331351
	0.23825	2.246963	0.025923	0.329763

H2AFY	-0.2119	-2.24715	0.025911	0.329719
	-0.259	-2.2456	0.026012	0.33019
AIF1L;ABL1;LINC00963	-0.19113	-2.24399	0.026118	0.330562
	-0.2155	-2.24422	0.026103	0.330462
	-0.18666	-2.2468	0.025933	0.329803
	-0.23363	-2.24251	0.026215	0.331021
	0.251477	2.245486	0.02602	0.330226
COL16A1	-0.27465	-2.2415	0.026282	0.331286
	0.265032	2.2413	0.026295	0.331347
	0.356965	2.244772	0.026066	0.33032
MYCT1;SYNE1;AKAP12;VIP	-0.25626	-2.23777	0.026529	0.332026
WDR66;OASL	-0.17328	-2.24769	0.025875	0.329561
	-0.23294	-2.24141	0.026287	0.331321
C4orf19	-0.278	-2.23818	0.026502	0.332026
	-0.21729	-2.24023	0.026366	0.33149
	0.2486	2.24576	0.026002	0.33015
	-0.24692	-2.24091	0.02632	0.331382
NDUFS6	0.195651	2.243735	0.026134	0.330658
	0.212702	2.243546	0.026147	0.330717
	0.21481	2.241736	0.026266	0.331202
	0.278599	2.23857	0.026476	0.331937
	0.200566	2.24529	0.026032	0.330244
	0.238352	2.237975	0.026515	0.332026
PSMB8;BAK1;TAP1	0.314512	2.246012	0.025985	0.330027
	-0.51099	-2.24186	0.026258	0.331188
	-0.23119	-2.24307	0.026178	0.330907
	0.272228	2.24722	0.025906	0.329705
	0.2039	2.245949	0.025989	0.330069
SCOC;ELMOD2;H3F3AP6	-0.29791	-2.24333	0.026161	0.330788
	-0.5283	-2.24436	0.026093	0.330387
SLC26A2	-0.41732	-2.24277	0.026198	0.330919
CD19;KIAA0556;APOBR;XPO6;ENSG00000261329;ENSG000001				
96927;ENSG00000271699;EIF3C	-0.27655	-2.24688	0.025928	0.329783
	-0.15154	-2.24338	0.026158	0.330764
	-0.19042	-2.24065	0.026338	0.331455
	-0.20806	-2.24585	0.025996	0.330124
	-0.16534	-2.24003	0.026378	0.331522
	0.173919	2.24614	0.025977	0.32997
C1QC	-0.16086	-2.24653	0.025951	0.329868
	0.213984	2.239488	0.026415	0.331621
RALGPS1;SNORA65	0.316505	2.243977	0.026118	0.330562
	0.282861	2.240327	0.026359	0.33149
	-0.16626	-2.24675	0.025937	0.329803
	0.294711	2.245675	0.026007	0.330157
AGBL4;SPATA6;SLC5A9	0.293095	2.244899	0.026058	0.330299
NALCN	-0.33865	-2.24065	0.026337	0.331455
	-0.17079	-2.23568	0.026669	0.332668

SLAMF1;LY9;SLAMF6;CD84;CD48;FCRL6;SLAMF7;HSPA7;ARHG				
AP30;FCGR2B;SLAMF8;FCGR2C;CD244;USP21	0.322324	2.245188	0.026039	0.330244
GCH1	-0.26525	-2.24494	0.026055	0.330299
NUP210;CHCHD4;FGD5	-0.35074	-2.24533	0.02603	0.330244
	-0.26742	-2.24214	0.026239	0.331134
	-0.21558	-2.24288	0.026191	0.330919
RNF135;COPRS	0.234435	2.245356	0.026028	0.330244
	-0.21068	-2.24542	0.026024	0.330244
RUNX3	0.360654	2.24276	0.026198	0.330919
	0.230058	2.241046	0.026312	0.331351
TMEM255B;F10;GAS6	-0.24404	-2.24187	0.026257	0.331187
	0.274307	2.246646	0.025944	0.329812
	-0.23148	-2.24918	0.025779	0.329212
	0.242655	2.242	0.026249	0.33115
ZNF267	0.268024	2.24548	0.02602	0.330226
	0.289331	2.24491	0.026057	0.330299
	0.213555	2.246896	0.025927	0.329783
	-0.19244	-2.24524	0.026035	0.330244
	-0.14665	-2.2455	0.026019	0.330226
	0.267618	2.244894	0.026058	0.330299
ARHGEF38	-0.2898	-2.23889	0.026455	0.331859
	0.238026	2.237112	0.026573	0.332232
	-0.26428	-2.24191	0.026254	0.331175
	-0.16772	-2.24735	0.025898	0.329673
	0.213427	2.240802	0.026328	0.331429
	0.221122	2.246427	0.025958	0.329904
	0.241269	2.241896	0.026255	0.331178
	0.198262	2.245139	0.026042	0.330244
C2orf54	0.305518	2.244635	0.026075	0.330358
	-0.20811	-2.24127	0.026297	0.331347
POLD3;ARHGEF17;PGM2L1;PDE2A;P4HA3	0.228552	2.245573	0.026014	0.33019
FUOM;TUBGCP2;PWWP2B;LRRC27;TTC40;STK32C	-0.2445	-2.23886	0.026457	0.331863
CPNE5	-0.22184	-2.24475	0.026068	0.33032
	-0.24799	-2.24283	0.026194	0.330919
	-0.32018	-2.24657	0.025949	0.329851
EXOC3L4	-0.27978	-2.24021	0.026367	0.33149
	-0.1562	-2.24032	0.02636	0.33149
MYCBPAP;CACNA1G;ACSF2;TOB1-AS1	-0.3933	-2.238	0.026513	0.332026
	0.135663	2.24528	0.026033	0.330244
COL4A4;COL4A3;IRS1	0.347165	2.244353	0.026094	0.330387
	0.304092	2.241821	0.02626	0.331202
	0.118932	2.245328	0.02603	0.330244
	0.211536	2.243748	0.026134	0.330658
ZBTB9	-0.28811	-2.24475	0.026067	0.33032
	-0.2067	-2.23552	0.026679	0.33271
CAMK4	0.317956	2.247078	0.025916	0.329745
	0.260331	2.242174	0.026237	0.331134

	-0.31762	-2.24583	0.025997	0.330127
PLEKHA5;RPL7P6	0.338525	2.244492	0.026085	0.330379
IARS2;HLX;EPRS;MORF4L1P1;BPNT1;DUSP10;HDAC1P2	-0.39561	-2.2433	0.026163	0.330788
	0.208799	2.242703	0.026202	0.330943
	0.155796	2.239565	0.02641	0.331621
	0.179721	2.24422	0.026103	0.330462
	-0.31551	-2.24245	0.026219	0.331053
PUS10	0.172009	2.245475	0.02602	0.330226
	0.225874	2.242827	0.026194	0.330919
ANKRD65;RNF223;ENSG00000272106;MXRA8;VWA1;SAMD11;				
SSU72	-0.24821	-2.24192	0.026254	0.331175
	-0.35846	-2.2458	0.025999	0.330141
	0.172373	2.241707	0.026268	0.331202
	0.263436	2.242829	0.026194	0.330919
	0.189533	2.243867	0.026126	0.330604
	0.190067	2.240531	0.026346	0.331464
	0.129634	2.23819	0.026501	0.332026
TRAF3IP1;ENSG00000232306	-0.4615	-2.24488	0.026059	0.330299
	-0.38888	-2.24632	0.025965	0.329946
	0.241786	2.245321	0.02603	0.330244
MATN2	0.287476	2.242888	0.02619	0.330919
TMEM59;ORC1	0.186536	2.239704	0.0264	0.331591
	-0.24748	-2.24672	0.025939	0.329803
	0.147448	2.240457	0.026351	0.33149
ITGAL;CORO1A;ZNF629;ZNF720;ZNF768	0.306229	2.240952	0.026318	0.331358
	-0.26188	-2.23951	0.026413	0.331621
	0.247783	2.241406	0.026288	0.331321
ETV6;PRR4;PRB2;PRH2;PRB3;PRB1;PRB4	-0.3781	-2.23895	0.026451	0.331846
ZMAT2;NDUFA2;CTNNA1;SNORA74A;IK;CYSTM1	0.183913	2.242618	0.026208	0.330967
STX18	-0.26243	-2.24233	0.026227	0.331105
	-0.35922	-2.23785	0.026524	0.332026
ENSG00000260977;LINC01121	-0.38434	-2.23796	0.026516	0.332026
	0.232048	2.239604	0.026407	0.331621
ACE	0.256251	2.245037	0.026049	0.330279
	-0.1503	-2.23982	0.026393	0.33157
	-0.35114	-2.23786	0.026523	0.332026
	0.266882	2.239412	0.02642	0.331654
	0.20445	2.243582	0.026144	0.330717
	0.227344	2.243029	0.026181	0.330919
	-0.23639	-2.2403	0.026361	0.33149
RASGRP3	-0.32105	-2.24296	0.026186	0.330919
	0.20634	2.239467	0.026416	0.331628
	-0.41179	-2.22405	0.027456	0.335507
	-0.32835	-2.24403	0.026115	0.330539
	0.229939	2.241642	0.026272	0.331223
FBLIM1;DNAJC16;DDI2;ZBTB17;PLEKHM2	-0.35444	-2.2376	0.02654	0.332084
	-0.21809	-2.24204	0.026246	0.331134

	0.228075	2.244122	0.026109	0.33051
ENSG00000248445;SEMA6A	0.340242	2.244989	0.026052	0.330289
	0.525163	2.241243	0.026299	0.331351
	0.222589	2.241687	0.026269	0.331204
	-0.16604	-2.24146	0.026285	0.3313
	0.271659	2.246956	0.025923	0.329763
	-0.29727	-2.24346	0.026153	0.330728
	0.216743	2.243169	0.026172	0.330858
	0.207227	2.243197	0.02617	0.330858
	0.191541	2.240868	0.026323	0.331398
	-0.37114	-2.24122	0.0263	0.331351
ENSG00000257829	-0.19864	-2.2411	0.026308	0.331351
ST6GALNAC1	-0.26791	-2.24277	0.026198	0.330919
	0.192326	2.238459	0.026483	0.331941
FSTL3;MISP;PPAP2C;SHC2;ARID3A	-0.2106	-2.24299	0.026183	0.330919
	0.204661	2.243496	0.02615	0.330717
	-0.19477	-2.23803	0.026512	0.332026
LIMS2;GPR17;MYO7B;BIN1;ENSG00000236682	-0.30128	-2.2406	0.026341	0.331461
	0.313266	2.242105	0.026242	0.331134
HSPH1	-0.34225	-2.23951	0.026413	0.331621
	-0.31812	-2.2407	0.026334	0.331449
FAM186A;PRPH;KCNH3;ENSG00000258334	0.148041	2.238105	0.026507	0.332026
	-0.30708	-2.24214	0.026239	0.331134
	-0.26684	-2.24042	0.026353	0.33149
	-0.16322	-2.24233	0.026227	0.331105
ATP6V1D	0.213378	2.243554	0.026146	0.330717
HLA-DMA;TAPSAR1;HLA-DMB;HLA-DOA	0.225094	2.244505	0.026084	0.330378
TFB2M	-0.36978	-2.23974	0.026398	0.331591
	0.311066	2.241624	0.026273	0.331227
	0.277807	2.244562	0.02608	0.330367
	0.202041	2.237358	0.026556	0.332149
TM4SF18;PFN2;CP	0.264295	2.241799	0.026262	0.331202
	-0.43232	-2.24016	0.02637	0.33149
TNRC6C;ENSG00000178404;TIMP2	0.218864	2.240135	0.026372	0.33149
BAK1;DAXX;RPS18;SLC39A7	-0.18436	-2.24276	0.026199	0.330919
	-0.23538	-2.24061	0.026341	0.331461
CSMD1;ARHGEF10;CLN8	-0.31143	-2.24191	0.026254	0.331175
SHQ1;PDZRN3	-0.28201	-2.24025	0.026364	0.33149
FUT2;TEAD2;HSD17B14	-0.27685	-2.24477	0.026066	0.33032
	0.207703	2.237805	0.026527	0.332026
	0.244775	2.241111	0.026307	0.331351
	-0.14631	-2.24203	0.026247	0.331134
	0.273683	2.239512	0.026413	0.331621
	0.161187	2.237546	0.026544	0.3321
UNC13B;STOML2;HINT2;CLTA;TLN1;RUSC2;RECK;VCP;DNAJB5; PIGO;TPM2;GLIPR2	-0.25153	-2.24037	0.026356	0.33149
	0.249855	2.242059	0.026245	0.331134

	-0.16933	-2.2429	0.026189	0.330919
	0.201982	2.243827	0.026128	0.330618
	0.277569	2.236231	0.026631	0.332428
	0.189497	2.242096	0.026242	0.331134
	-0.15158	-2.23801	0.026513	0.332026
	0.33818	2.245222	0.026037	0.330244
	0.212797	2.243936	0.026121	0.330566
	0.271374	2.244568	0.02608	0.330367
	0.200508	2.239902	0.026387	0.331561
	-0.24035	-2.24109	0.026309	0.331351
	0.36577	2.244546	0.026081	0.330367
	-0.22751	-2.24292	0.026188	0.330919
	-0.17726	-2.24194	0.026252	0.331175
IRF8	0.398913	2.245207	0.026038	0.330244
	-0.15796	-2.2364	0.02662	0.332347
ENSG00000254111	0.125039	2.237225	0.026565	0.332196
	0.193601	2.242061	0.026245	0.331134
NIF3L1;SGOL2;KCTD18;AOX1	-0.37612	-2.23931	0.026426	0.331689
	-0.20946	-2.239	0.026447	0.331812
	0.204454	2.240385	0.026355	0.33149
CASZ1	-0.3468	-2.23984	0.026391	0.331561
PIK3R5;PIK3R6;USP43	0.241747	2.239649	0.026404	0.331604
WDR45B;LRRC45;MAFG-AS1	-0.20048	-2.24467	0.026073	0.330346
MEG3;RTL1	0.261076	2.241484	0.026283	0.331286
	-0.2704	-2.24316	0.026172	0.330858
	-0.30392	-2.23274	0.026866	0.333328
KIF21B	0.333668	2.244694	0.026071	0.330346
	-0.25252	-2.23849	0.026481	0.331941
KIF26A;C14orf2;INF2	-0.3008	-2.24258	0.02621	0.33098
SH2D2A;PEAR1;LMNA;EFNA1	-0.29029	-2.23917	0.026436	0.331756
	0.207348	2.242075	0.026244	0.331134
	-0.18718	-2.23908	0.026442	0.331798
	-0.25596	-2.24331	0.026162	0.330788
GRIN2B	0.271162	2.244542	0.026081	0.330367
	-0.24809	-2.23786	0.026523	0.332026
GNA12;CHST12;MAD1L1;IQCE	-0.36788	-2.24063	0.026339	0.331461
	-0.20363	-2.23886	0.026456	0.331863
CALHM2;USMG5;MGEA5;ENSG00000269609;NOLC1	-0.38455	-2.23413	0.026772	0.333043
	0.247529	2.237834	0.026525	0.332026
	-0.21084	-2.24205	0.026245	0.331134
	0.264002	2.244156	0.026107	0.330501
ATF7	0.225127	2.239503	0.026414	0.331621
RAE1;PMEPA1;C20orf85;PPP4R1L	0.35499	2.241293	0.026295	0.331347
HS3ST6	0.436363	2.244098	0.026111	0.33051
	0.223426	2.238653	0.02647	0.331894
	0.232321	2.240154	0.026371	0.33149
UACA;THSD4	-0.33626	-2.23798	0.026515	0.332026

	0.353393	2.24005	0.026377	0.331522
	0.375375	2.243593	0.026144	0.330717
	-0.19809	-2.24373	0.026135	0.330658
	0.286777	2.238203	0.0265	0.332026
NOMO3	-0.30458	-2.24395	0.02612	0.330566
	0.172589	2.236678	0.026602	0.332333
	-0.25277	-2.24378	0.026132	0.330649
PDGFRA;LNX1;LNX1-AS1	0.221208	2.23796	0.026516	0.332026
TTC40;PWWP2B;KNDC1	-0.20812	-2.23774	0.026531	0.332026
	-0.17628	-2.24012	0.026373	0.33149
MRPS15	-0.19166	-2.24025	0.026364	0.33149
SIRPG	-0.31687	-2.24338	0.026157	0.330764
	-0.14541	-2.23781	0.026526	0.332026
	-0.24932	-2.24129	0.026296	0.331347
RASGRP1	0.327114	2.241168	0.026304	0.331351
DUOXA1;DUOX2;SQRDL;GATM;DUOX1;DUOXA2	-0.38374	-2.23956	0.02641	0.331621
	0.28176	2.243851	0.026127	0.330607
	-0.15683	-2.24299	0.026184	0.330919
	0.268474	2.240657	0.026337	0.331455
	0.235532	2.24152	0.02628	0.331285
	0.148526	2.240136	0.026372	0.33149
CES1;CCDC135;CES1P1;BBS2;KATNB1;MT3;ENSG00000260438; ENSG00000260467;MT1F;MT1X;MT1G	-0.2901	-2.24098	0.026316	0.331351
	0.218243	2.242886	0.02619	0.330919
CD69	-0.35344	-2.23733	0.026558	0.332149
	-0.13806	-2.23999	0.026381	0.33154
	-0.37162	-2.24029	0.026362	0.33149
	0.276327	2.241054	0.026311	0.331351
	0.220464	2.239673	0.026402	0.331593
	0.395539	2.240842	0.026325	0.33141
	0.146823	2.236641	0.026604	0.332334
PDCD6	0.389456	2.240667	0.026337	0.331455
	-0.25547	-2.24078	0.026329	0.331429
	0.300461	2.242218	0.026234	0.331134
	0.206023	2.243324	0.026161	0.330788
	0.324717	2.238022	0.026512	0.332026
	-0.29575	-2.24269	0.026203	0.330943
	0.221387	2.23927	0.026429	0.331704
	-0.14676	-2.24044	0.026352	0.33149
IFT88;MICU2;LATS2	0.403025	2.243668	0.026139	0.330701
	-0.29675	-2.24175	0.026265	0.331202
EIF5;C14orf2	0.217778	2.240713	0.026334	0.331449
	0.203312	2.24025	0.026364	0.33149
NPEPPS;CALCOCO2;HOXB3;MIR10A;HOXB4;ABI3;NXPH3;HOXB 6;SKAP1;HOXB-AS2;TBKBP1	0.408153	2.240171	0.026369	0.33149
	0.194192	2.240958	0.026317	0.331358

TMEM204;ABCA3;ENSG00000262370;HN1L;ZNF213;PRSS22;P				
AQR4;SRRM2;PKD1;PDPK1;TRAF7;TSC2;TBC1D24	-0.41237	-2.24159	0.026276	0.331246
C5orf42	0.265736	2.234714	0.026733	0.3329
	-0.15975	-2.23572	0.026665	0.332651
	0.164957	2.237778	0.026528	0.332026
	0.322277	2.237647	0.026537	0.332065
ARHGEF10;ERICH1	-0.32492	-2.24212	0.026241	0.331134
CA12;HERC1	-0.37551	-2.23928	0.026429	0.331704
	-0.21819	-2.23913	0.026438	0.331778
	0.205082	2.240568	0.026343	0.331461
	0.152486	2.238814	0.026459	0.331864
FAM86JP	-0.3031	-2.24502	0.02605	0.330279
ITGAL;ZNF629;CORO1A;ZNF48;ZNF768	-0.28051	-2.24443	0.026089	0.330387
	-0.1605	-2.24042	0.026353	0.33149
	-0.34833	-2.24302	0.026182	0.330919
SAMD9L	-0.35421	-2.23986	0.02639	0.331561
CNDP2	0.281924	2.239876	0.026389	0.331561
PDCD6;NKD2	0.276441	2.242721	0.026201	0.330941
ZNF141	0.404604	2.240563	0.026343	0.331461
	-0.22624	-2.23563	0.026671	0.332684
	0.228908	2.236704	0.0266	0.332326
	0.107846	2.242103	0.026242	0.331134
	0.224359	2.235491	0.026681	0.33271
	-0.32757	-2.24223	0.026233	0.331134
	0.276448	2.240593	0.026342	0.331461
	0.272615	2.237696	0.026534	0.332043
ANKDD1B	-0.43566	-2.24172	0.026267	0.331202
	0.249713	2.243293	0.026163	0.330788
	0.240699	2.242305	0.026228	0.33111
	0.20024	2.239963	0.026383	0.33154
	0.231631	2.240871	0.026323	0.331398
	-0.23157	-2.24074	0.026332	0.331449
	0.236351	2.234851	0.026724	0.3329
	0.303176	2.243624	0.026142	0.330717
	-0.13401	-2.23656	0.026609	0.332337
	-0.29627	-2.23683	0.026592	0.332321
ENSG00000272721;ENSG00000273181	-0.13354	-2.23901	0.026447	0.331812
CACNA1G	-0.17708	-2.23835	0.02649	0.331985
	0.208308	2.23695	0.026584	0.332304
CTSS;SEMA6C;POGZ	0.248429	2.241351	0.026291	0.331338
	0.2496	2.236602	0.026607	0.332334
CD59;EHF;ABTB2	-0.24123	-2.23415	0.026771	0.333043
ENSG00000231057;FLVCR1;LINC00467;NEK2;TATDN3	-0.24091	-2.2366	0.026607	0.332334
	0.197772	2.237497	0.026547	0.332105
	0.18375	2.242267	0.026231	0.331133
	-0.14951	-2.24107	0.02631	0.331351
CTSV;HABP4;PTCH1;ZNF367;SLC35D2	-0.57982	-2.24171	0.026267	0.331202

	-0.25431	-2.24031	0.026361	0.33149
	0.276752	2.241766	0.026264	0.331202
	0.110375	2.237948	0.026517	0.332026
HECTD2;KIF11	-0.26741	-2.23515	0.026704	0.332796
FOXA2	-0.3388	-2.23654	0.026611	0.332347
MRPS15	-0.33571	-2.2397	0.0264	0.331591
	-0.28297	-2.2383	0.026494	0.332006
CACNA1A;ASF1B	0.265483	2.239917	0.026386	0.331561
P2RX4;CLIP1;P2RX7	0.321803	2.241561	0.026278	0.33126
	0.197523	2.238521	0.026479	0.331941
LTB;GPSM3;C4A	-0.21841	-2.24345	0.026153	0.330728
SLFN12L;ENSG00000267554;ENSG00000267369;CCL5;ENSG00000267074;GAS2L2	0.271098	2.240546	0.026345	0.331461
	0.217742	2.238472	0.026482	0.331941
GPR124;TACC1;DDHD2;FGFR1;PPAPDC1B;PLEKHA2	-0.253	-2.23849	0.026481	0.331941
	0.216493	2.238634	0.026471	0.331894
	0.303071	2.240038	0.026378	0.331522
	0.253124	2.239843	0.026391	0.331561
	0.147257	2.234139	0.026771	0.333043
	-0.22298	-2.24124	0.026299	0.331351
NBEA	-0.25813	-2.23226	0.026898	0.33345
AHCYL2	-0.18952	-2.2367	0.0266	0.332326
	0.098013	2.239398	0.026421	0.331657
	0.283303	2.240995	0.026315	0.331351
	0.256625	2.237374	0.026555	0.332149
BIN2;ASIC1	-0.29464	-2.24078	0.026329	0.331429
	-0.22558	-2.2392	0.026434	0.331742
	0.171178	2.241938	0.026253	0.331175
	-0.25481	-2.23679	0.026594	0.332326
ENSG00000228878;ANLN	-0.37542	-2.23986	0.02639	0.331561
	0.194096	2.241028	0.026313	0.331351
	-0.18496	-2.24026	0.026363	0.33149
	0.178434	2.241316	0.026294	0.331347
C6orf10	0.182525	2.237063	0.026576	0.33224
	-0.38454	-2.23945	0.026417	0.331632
	0.124638	2.241795	0.026262	0.331202
	0.212801	2.239899	0.026387	0.331561
	-0.16335	-2.23911	0.02644	0.331793
	0.229302	2.240487	0.026349	0.33149
	0.227805	2.241495	0.026282	0.331286
	0.280218	2.237864	0.026523	0.332026
	-0.23842	-2.24077	0.02633	0.331429
BIK;SCUBE1;ARFGAP3;SMDT1;XRCC6;CENPM;MCAT	-0.22044	-2.23938	0.026422	0.331659
DNM1P46	0.35227	2.23996	0.026383	0.33154
	0.172523	2.238757	0.026463	0.331869
	-0.17715	-2.22961	0.027077	0.334168
	-0.20902	-2.23458	0.026742	0.3329

	0.314296	2.238068	0.026509	0.332026
RNF213;BAIAP2	-0.26123	-2.23472	0.026732	0.3329
	0.209099	2.234421	0.026753	0.332968
ARHGEF10	0.23485	2.240718	0.026333	0.331449
	0.222368	2.231299	0.026963	0.333683
	-0.33213	-2.2388	0.02646	0.331864
ADAMTS9-AS2;ENSG00000224479	0.296958	2.240165	0.02637	0.33149
TAP2;HCP5;TAP1;HLA-DMA;HLA-B;HLA-DMB;HLA-DOA;PSMB9;HLA-DPB1;HLA-DPA1;HLA-DRA;HLA-DQA2;RING1;TAPSAR1	0.259188	2.242477	0.026217	0.331036
	0.355842	2.242412	0.026221	0.331071
	0.306529	2.239723	0.026399	0.331591
LSP1;C11orf89;TSPAN32;C11orf21	-0.3512	-2.24293	0.026187	0.330919
	0.126554	2.230014	0.02705	0.334059
	0.279164	2.239498	0.026414	0.331621
CSF1;LAMTOR5	-0.15699	-2.24138	0.02629	0.331335
ADAMTS9-AS2	-0.3565	-2.23512	0.026706	0.332796
	0.35766	2.241132	0.026306	0.331351
MCM5	-0.18488	-2.24033	0.026359	0.33149
	-0.18148	-2.23282	0.02686	0.333305
TMEM255B;GAS6;RASA3	-0.25715	-2.23872	0.026465	0.33188
PRCP	0.265151	2.239023	0.026446	0.331812
	0.196948	2.233355	0.026824	0.333141
	0.17518	2.237888	0.026521	0.332026
	0.16176	2.237622	0.026539	0.332075
PPM1H	-0.29576	-2.241	0.026315	0.331351
	-0.22549	-2.23501	0.026713	0.332822
	0.250317	2.238786	0.026461	0.331864
	0.27808	2.234536	0.026745	0.332921
	-0.16224	-2.23771	0.026533	0.332038
	0.131464	2.236719	0.026599	0.332326
	0.271037	2.236424	0.026619	0.332347
	-0.25803	-2.23562	0.026672	0.332684
	0.29669	2.236671	0.026602	0.332333
	0.285456	2.240206	0.026367	0.33149
	-0.21208	-2.23951	0.026413	0.331621
	0.164886	2.23486	0.026723	0.3329
MOB3A;S1PR4	0.207448	2.241702	0.026268	0.331202
ISL1;ENSG00000259663	0.413939	2.238068	0.026509	0.332026
	0.154876	2.236067	0.026642	0.332468
HELLS	-0.29493	-2.23979	0.026394	0.33157
	-0.21003	-2.23405	0.026778	0.333048
	0.111444	2.235462	0.026683	0.33271
	0.155704	2.237476	0.026548	0.332105
	-0.29785	-2.23598	0.026648	0.332514
	0.103486	2.235264	0.026696	0.332796
ELOVL5;LRRC1;PAQR8;TMEM14A	0.221127	2.235226	0.026699	0.332796

	-0.16877	-2.23522	0.026699	0.332796
MALRD1	-0.33471	-2.23844	0.026484	0.331941
	-0.16998	-2.23717	0.026569	0.332212
	0.211911	2.237197	0.026567	0.332196
SHE;ATP8B2;TDRD10;NPR1;S100A6;GATAD2B;S100A13;SNAPIN	-0.2993	-2.23305	0.026845	0.333218
CALM2;EPCAM;LHCGR;ENSG00000260977	-0.32117	-2.2389	0.026454	0.331859
	0.240506	2.230469	0.027019	0.333885
	0.128961	2.234601	0.026741	0.3329
	0.209829	2.234058	0.026777	0.333048
	-0.2454	-2.24127	0.026297	0.331347
	0.199993	2.238206	0.0265	0.332026
	0.2463	2.239971	0.026383	0.33154
REV3L	0.197219	2.236237	0.026631	0.332428
IFI16	0.201826	2.236976	0.026582	0.332293
	0.250665	2.232715	0.026867	0.333328
	0.117417	2.236462	0.026616	0.332347
	0.283835	2.237812	0.026526	0.332026
	0.157575	2.235021	0.026712	0.332822
EFHD1;ATG16L1;MSL3P1	0.411922	2.229346	0.027095	0.33423
	-0.19179	-2.2364	0.02662	0.332347
	-0.33408	-2.23205	0.026912	0.333491
KLHL42;PPFIBP1;ENSG00000248100;ENSG00000247934;ENSG				
00000256056	0.312061	2.228654	0.027142	0.334341
	0.203653	2.235372	0.026689	0.332737
EPHB4;RABL5;FAM200A;PLOD3;AP1S1	0.153238	2.233088	0.026842	0.333218
	-0.24332	-2.23819	0.026501	0.332026
CDC20B;ENSG00000264281	0.483961	2.236876	0.026588	0.332321
MFNG;CSF2RB;RAC2;CYTH4;IL2RB;C22orf23;NCF4	0.315039	2.235919	0.026652	0.332543
	-0.23159	-2.23906	0.026443	0.331798
	0.353472	2.23747	0.026549	0.332105
	-0.24862	-2.23246	0.026885	0.333393
	-0.31405	-2.23908	0.026442	0.331798
	-0.19178	-2.22995	0.027054	0.334059
	0.287782	2.240547	0.026345	0.331461
	-0.25132	-2.23949	0.026415	0.331621
	0.141917	2.233744	0.026798	0.333105
EMCN;DAPP1;DDIT4L;ADH1B;MTTP;METAP1;TRMT10A	-0.39587	-2.23349	0.026815	0.333141
CACNA1C	0.205789	2.237967	0.026516	0.332026
	0.267852	2.238762	0.026463	0.331869
	0.199548	2.237948	0.026517	0.332026
	-0.33141	-2.23609	0.026641	0.332459
	0.268561	2.234654	0.026737	0.3329
	-0.2526	-2.23787	0.026522	0.332026
	-0.2036	-2.23869	0.026467	0.331883
RUFY4	0.266733	2.241156	0.026304	0.331351
FPR3	-0.33917	-2.23366	0.026804	0.333121

	0.252271	2.237112	0.026573	0.332232
	0.242065	2.23462	0.026739	0.3329
	-0.17118	-2.2397	0.026401	0.331591
DEGS2	0.303523	2.23864	0.026471	0.331894
	-0.37248	-2.23467	0.026736	0.3329
MAP3K9;TTC9;SLC8A3;EXD2	0.323446	2.233868	0.02679	0.333095
ATP6V1D	-0.33604	-2.23619	0.026634	0.332439
	-0.1881	-2.23506	0.02671	0.332822
	-0.16993	-2.23641	0.026619	0.332347
ADAM8	0.548737	2.236587	0.026608	0.332334
CLIP1	-0.32761	-2.2357	0.026667	0.332661
	-0.26402	-2.24024	0.026365	0.33149
	0.318204	2.240205	0.026367	0.33149
	-0.20404	-2.23674	0.026598	0.332326
	-0.20388	-2.23644	0.026617	0.332347
	0.315164	2.238701	0.026467	0.331883
	-0.27688	-2.23646	0.026616	0.332347
LINC00578	0.241031	2.231001	0.026983	0.333751
PEG3;ZNF154	0.303131	2.240073	0.026376	0.331522
	-0.36881	-2.23823	0.026499	0.332026
	0.193336	2.23198	0.026917	0.333498
	-0.32682	-2.23934	0.026424	0.331674
	0.294418	2.241747	0.026265	0.331202
	-0.53161	-2.23461	0.02674	0.3329
ENSG00000222489	-0.17877	-2.23694	0.026584	0.332304
	0.309377	2.237802	0.026527	0.332026
	0.235737	2.237751	0.02653	0.332026
	0.277192	2.232828	0.02686	0.333305
SHANK2;SHANK2-AS2;SHANK2-AS3	0.221342	2.238791	0.026461	0.331864
	-0.2345	-2.23475	0.02673	0.3329
COPS6	-0.27947	-2.2398	0.026394	0.33157
PRKCQ;IL2RA;IL15RA;ENSG00000215244	0.313774	2.238541	0.026478	0.331941
	-0.16277	-2.23515	0.026704	0.332796
B3GALTL;HSPH1	-0.2527	-2.22329	0.027508	0.335716
	-0.21556	-2.23845	0.026484	0.331941
	-0.19931	-2.23538	0.026688	0.332737
	0.229847	2.238262	0.026496	0.332026
	-0.20747	-2.23882	0.026459	0.331864
	0.163992	2.236356	0.026623	0.332347
	0.183877	2.235493	0.026681	0.33271
	0.240428	2.240997	0.026315	0.331351
ENSG00000232059	-0.29966	-2.23347	0.026817	0.333141
	-0.23815	-2.23406	0.026777	0.333048
HIST1H2BB;HIST1H4C;HIST1H4H;HMGN4	0.310739	2.237582	0.026541	0.332089
	-0.20999	-2.23331	0.026827	0.333143
DENND1C;FUT3;PTPRS;FUT6	-0.24308	-2.23748	0.026548	0.332105
	0.263659	2.233355	0.026824	0.333141

	0.223909	2.236498	0.026614	0.332347
	0.250534	2.238437	0.026484	0.331941
IFT20	-0.16068	-2.23602	0.026645	0.332485
	-0.23022	-2.23653	0.026612	0.332347
SEC14L5;UBN1	0.223825	2.237647	0.026537	0.332065
	0.280037	2.233974	0.026783	0.333071
	-0.14758	-2.23704	0.026578	0.332251
	0.218398	2.237205	0.026566	0.332196
	-0.2431	-2.22654	0.027285	0.334841
	0.166125	2.235822	0.026659	0.332595
	-0.28481	-2.23866	0.02647	0.331894
	0.221476	2.238311	0.026493	0.332006
ENSG00000272221	0.238765	2.23679	0.026594	0.332326
	0.16887	2.235131	0.026705	0.332796
	-0.21094	-2.23116	0.026972	0.333717
CSF1;DRAM2;GSTM5;ENSG00000261654;LAMTOR5;LAMTOR5-AS1	-0.35823	-2.23707	0.026576	0.33224
HRH1;TIMP4	-0.27589	-2.23162	0.026941	0.33359
	0.273723	2.233673	0.026803	0.333121
	-0.31932	-2.23671	0.026599	0.332326
GALNT16	-0.28721	-2.23615	0.026637	0.332439
TM7SF2	0.132816	2.237965	0.026516	0.332026
	-0.16035	-2.23382	0.026793	0.333095
STARD9	-0.26143	-2.23572	0.026666	0.332651
	0.213745	2.236623	0.026605	0.332334
	-0.21759	-2.24039	0.026355	0.33149
ITGB7	0.228184	2.237091	0.026574	0.332236
BUD31;BAIAP2L1;GAL3ST4;ZNF3;ARPC1A;LAMTOR4;ZKSCAN1;ATP5J2	-0.30287	-2.23268	0.02687	0.333331
	0.175214	2.238553	0.026477	0.331941
	0.231636	2.236162	0.026636	0.332439
	0.181654	2.237356	0.026556	0.332149
	0.151063	2.236352	0.026623	0.332347
	0.256225	2.236764	0.026596	0.332326
TPPP;MIR4635	-0.23435	-2.2334	0.026821	0.333141
	0.208966	2.236844	0.026591	0.332321
	0.270216	2.235015	0.026713	0.332822
	0.131271	2.236577	0.026608	0.332334
	0.254022	2.234409	0.026753	0.332968
	-0.17832	-2.23138	0.026958	0.333662
CELSR1	0.282918	2.236108	0.02664	0.332453
	0.171691	2.235472	0.026682	0.33271
PTCH2	-0.20623	-2.23153	0.026947	0.333609
	0.197154	2.237778	0.026528	0.332026
TSPAN4;IFITM2;LSP1;IFITM3;ATHL1;ENSG00000251661;C11orf89;MRPL23;MOB2;IFITM1;DEAF1	-0.22673	-2.23363	0.026805	0.333121
	-0.40622	-2.23884	0.026458	0.331864

	0.213982	2.237977	0.026515	0.332026
SPINT2;PSMC4;HNRNPL;ZNF780B;PSMD8;EIF3K;FBXO27	0.232804	2.23756	0.026543	0.332098
TM6SF1;ENSG00000259328	-0.38815	-2.23889	0.026454	0.331859
	-0.15928	-2.23458	0.026742	0.3329
	0.158549	2.233989	0.026782	0.333071
FAM166A	-0.29272	-2.23872	0.026466	0.33188
	0.173497	2.230161	0.02704	0.33403
BLK;ENSG00000269918	0.290522	2.232496	0.026882	0.333393
	0.174036	2.237255	0.026563	0.332187
	0.174077	2.235863	0.026656	0.33257
	0.235502	2.232459	0.026884	0.333393
	0.165984	2.233031	0.026846	0.333218
COA1	-0.271	-2.23593	0.026652	0.332543
	-0.18906	-2.23323	0.026832	0.333164
RAB3IL1;FADS3;SCGB2A1;TMEM258;TMEM216;EML3;C11orf48;DDB1;DAK;LRRN4CL;LRRC10B;INTS5;PPP1R32;FADS2;CYB561A3;ZBTB3	0.319005	2.234729	0.026732	0.3329
	-0.17138	-2.23686	0.026589	0.332321
INSC	0.286209	2.233367	0.026823	0.333141
IGHG2;KIF26A;IGHA2	-0.27372	-2.23789	0.026521	0.332026
FOXF2	0.26369	2.233814	0.026793	0.333095
	0.20703	2.239029	0.026445	0.331812
PTPRB;TSPAN8;TMEM19	0.312411	2.232835	0.026859	0.333305
	-0.27654	-2.23636	0.026623	0.332347
	-0.18886	-2.23077	0.026999	0.333843
MCM5;APOL2;APOL1;APOL6;APOL3	-0.27736	-2.23517	0.026702	0.332796
	0.216241	2.234275	0.026762	0.333023
	0.312522	2.233606	0.026807	0.333135
ITGAL;CORO1A;ZNF629;ENSG00000260219	-0.2771	-2.23618	0.026635	0.332439
SCRG1	-0.38032	-2.23473	0.026732	0.3329
	-0.21886	-2.23108	0.026978	0.333747
NTF3	0.174224	2.236706	0.0266	0.332326
	0.166307	2.230639	0.027007	0.333885
IL8	-0.26559	-2.22436	0.027435	0.33539
	-0.25829	-2.23732	0.026559	0.332149
	0.235245	2.236769	0.026596	0.332326
AKT3;C1orf101;ZBTB18	0.285571	2.23659	0.026607	0.332334
ENSG00000233178;PGM5;MAMDC2;TMEM252;ENSG00000229019;FAM189A2	-0.28029	-2.2275	0.02722	0.334707
	0.291349	2.232912	0.026854	0.333288
CACNA1C;CACNA1C-AS4;ENSG00000250132;ERC1	-0.20292	-2.2384	0.026487	0.331955
	0.22647	2.235221	0.026699	0.332796
	0.351907	2.234147	0.026771	0.333043
	0.18883	2.237288	0.026561	0.332169
	0.216216	2.231214	0.026968	0.333709
	0.27897	2.233646	0.026805	0.333121
C22orf34;MAPK12;ENSG00000235111;SHANK3	-0.23674	-2.23483	0.026725	0.3329

	0.230343	2.236826	0.026592	0.332321
	-0.26006	-2.23208	0.02691	0.333491
	-0.20708	-2.23363	0.026805	0.333121
	0.224842	2.234109	0.026774	0.333048
	-0.24645	-2.23797	0.026515	0.332026
	0.198951	2.236867	0.026589	0.332321
	0.308536	2.237337	0.026558	0.332149
	0.156245	2.233832	0.026792	0.333095
ENSG00000273179;TACC3	-0.29105	-2.23662	0.026606	0.332334
	0.309859	2.237198	0.026567	0.332196
	0.241239	2.233929	0.026786	0.333071
	-0.29586	-2.23332	0.026827	0.333143
	0.268128	2.232953	0.026851	0.333273
	0.194394	2.235451	0.026684	0.33271
	-0.24149	-2.23448	0.026748	0.332954
MARVELD1;LOXL4;MORN4;HPS1;HOGA1;LCOR	-0.32175	-2.23563	0.026672	0.332684
NRROS;ENSG00000224769;ENSG00000227433;SDHAP1	-0.22155	-2.23645	0.026617	0.332347
	0.20667	2.237787	0.026528	0.332026
	0.187594	2.234246	0.026764	0.333027
CSRNP3;SCN7A;GALNT3	-0.35602	-2.23825	0.026497	0.332026
	-0.22458	-2.23523	0.026698	0.332796
DNPEP	-0.65743	-2.23751	0.026546	0.332105
	-0.2933	-2.23351	0.026814	0.333141
	0.225843	2.230857	0.026993	0.333814
RBM33	-0.37049	-2.23688	0.026588	0.332321
	0.192235	2.233577	0.026809	0.333139
HSPH1;LINC00365;UBL3;MEDAG	0.378525	2.234154	0.026771	0.333043
LEMD3	0.169091	2.232102	0.026909	0.333491
	-0.13733	-2.23125	0.026966	0.333701
	0.345719	2.229477	0.027086	0.334201
	-0.59669	-2.23504	0.026711	0.332822
	0.221618	2.235505	0.02668	0.33271
	-0.26261	-2.23321	0.026834	0.333166
C17orf59;PHF23;KDM6B	-0.32328	-2.23603	0.026645	0.332485
SCCPDH	-0.37802	-2.22985	0.02706	0.334059
	-0.30662	-2.23425	0.026764	0.333027
	0.219668	2.228333	0.027164	0.334395
	0.210651	2.235205	0.0267	0.332796
EHF;ENSG00000184566	-0.40474	-2.23392	0.026787	0.333071
	0.208892	2.234712	0.026733	0.3329
FGF2	-0.34661	-2.23376	0.026797	0.333105
	0.134714	2.23778	0.026528	0.332026
	-0.17005	-2.23419	0.026768	0.333043
	-0.1803	-2.23331	0.026827	0.333143
	-0.19781	-2.2322	0.026902	0.333451
	-0.40567	-2.22983	0.027062	0.334059
	0.253219	2.238422	0.026485	0.331943

	-0.3632	-2.23734	0.026558	0.332149
ESRP1;GEM;ENSG00000253878;TMEM67;INTS8	0.265181	2.234006	0.02678	0.333071
NME4;ENSG00000196674;TPSB2	-0.22881	-2.23396	0.026784	0.333071
	0.196	2.231192	0.02697	0.333709
	0.194011	2.230834	0.026994	0.333816
CAMK2N1;NBL1	-0.30233	-2.23156	0.026945	0.333609
	0.169467	2.232715	0.026867	0.333328
	0.235623	2.232917	0.026854	0.333288
	0.238805	2.230547	0.027013	0.333885
	0.283963	2.234097	0.026774	0.333048
C11orf16;DENND5A	-0.21482	-2.23129	0.026963	0.333683
	0.103887	2.227735	0.027204	0.334623
BNIP1;RPL26L1;STC2	-0.26842	-2.23328	0.026829	0.333148
HIST3H2A;CCSAP	-0.3073	-2.23278	0.026863	0.333324
	0.140812	2.234435	0.026752	0.332966
	0.270652	2.235474	0.026682	0.33271
	-0.32184	-2.23272	0.026867	0.333328
FER1L6	0.293787	2.236463	0.026616	0.332347
	0.207213	2.232885	0.026856	0.333301
KRT80;ITGB7;KRT18;KRT8	0.260442	2.232542	0.026879	0.333375
ENSG00000253811;ENSG00000253456;EBF1;RNF145	0.237926	2.235187	0.026701	0.332796
ENSG00000272008	-0.40607	-2.2346	0.026741	0.3329
	0.249996	2.233766	0.026797	0.333105
	0.118825	2.229038	0.027116	0.33431
	-0.22844	-2.23468	0.026736	0.3329
PTPN3	-0.32371	-2.22858	0.027147	0.334352
	0.332534	2.23428	0.026762	0.333023
	0.249337	2.231417	0.026955	0.333647
	-0.17183	-2.23637	0.026622	0.332347
	-0.18007	-2.23053	0.027014	0.333885
	-0.1531	-2.2326	0.026875	0.333349
	-0.29293	-2.22981	0.027064	0.334059
RAB20;COL4A2	0.497197	2.232454	0.026885	0.333393
PLAG1	-0.33109	-2.23201	0.026915	0.333491
THYN1	0.221585	2.234285	0.026762	0.333023
TTYH3	0.261372	2.230517	0.027016	0.333885
	-0.39773	-2.23615	0.026637	0.332439
	-0.21972	-2.22756	0.027216	0.334686
AAGAB;RAB11A;SMAD6;ZWILCH;SNAPC5;SMAD3	-0.22746	-2.23711	0.026573	0.332232
	-0.25581	-2.23339	0.026822	0.333141
	0.206306	2.230109	0.027043	0.334044
SPSB1;PGD;PIK3CD	-0.33985	-2.23515	0.026704	0.332796
SMG7;IVNS1ABP;ENSG00000273004;TRMT1L	0.28595	2.22885	0.027129	0.334327
	0.29855	2.234652	0.026737	0.3329
	0.5678	2.236515	0.026613	0.332347
	0.264477	2.229682	0.027072	0.334142
	0.191344	2.2334	0.026821	0.333141

HCP5	-0.24869	-2.23613	0.026638	0.332445
CARKD	-0.13484	-2.2338	0.026794	0.333095
HCP5;PPP1R18;LTB;HLA-E;HLA-B;LST1;HCG4;HLA-C;MICB	-0.3414	-2.23223	0.0269	0.33345
	0.289796	2.235865	0.026656	0.33257
	0.272295	2.227601	0.027213	0.334678
	0.170124	2.233357	0.026824	0.333141
	0.151881	2.234676	0.026735	0.3329
	0.295555	2.233073	0.026843	0.333218
SOBP	-0.16222	-2.23099	0.026984	0.333751
KIF21B	0.373024	2.237395	0.026554	0.332149
	0.204061	2.234815	0.026726	0.3329
	0.201814	2.228865	0.027127	0.334327
	0.120301	2.235423	0.026686	0.332724
DIAPH1;PCDHGA2;PCDHB7	0.215963	2.22836	0.027162	0.334395
	-0.26813	-2.23468	0.026736	0.3329
TRPC6;BIRC2;PGR	0.223744	2.234169	0.026769	0.333043
SLFN13	0.270739	2.233566	0.02681	0.333139
	-0.14876	-2.22997	0.027053	0.334059
	-0.26358	-2.23306	0.026844	0.333218
	0.286944	2.233825	0.026793	0.333095
	-0.19218	-2.23393	0.026785	0.333071
GRID1	0.219231	2.231476	0.026951	0.333617
TMEM64	-0.24156	-2.23445	0.026751	0.332965
TLCD2	-0.20223	-2.23191	0.026922	0.333498
	0.223038	2.232311	0.026894	0.33345
	-0.20262	-2.2322	0.026902	0.333451
LPXN;UBE2L6	-0.3777	-2.23749	0.026548	0.332105
METTL2A;ACE;MRC2;MAP3K3	-0.36017	-2.23364	0.026805	0.333121
	0.224594	2.233187	0.026836	0.333175
	0.282469	2.226907	0.027261	0.334841
	-0.20535	-2.23622	0.026632	0.332429
TRNT1	-0.1859	-2.23242	0.026887	0.333403
CCR5;XCR1;CXCR6;LZTFL1;CCR2	0.304021	2.232553	0.026878	0.333375
	0.129392	2.228774	0.027134	0.334341
MOB3A;S1PR4;ZNF57	0.265884	2.235721	0.026666	0.332651
	-0.24657	-2.2315	0.026949	0.333609
	0.20263	2.234453	0.02675	0.332965
SKI;MXRA8;VWA1;ENSG00000269896;ANKRD65;C1orf222;TTLL 10;MORN1;ENSG00000272106;CALML6;TTLL10-AS1;TTC34;ENSG00000271847;FAM213B	-0.25972	-2.23226	0.026898	0.33345
	0.267293	2.23561	0.026673	0.332684
	0.143132	2.227747	0.027203	0.334623
TTC7B;CALM1;FBLN5;TC2N;CCDC88C;NDUFB1	-0.29356	-2.23038	0.027025	0.333922
	0.20371	2.235393	0.026687	0.332737
CTTN;MRGPRF	-0.58352	-2.22937	0.027093	0.33423
ENSG00000205037	-0.18099	-2.22995	0.027054	0.334059

GPNMB;RAPGEF5;ENSG00000228649	0.341935	2.235051	0.02671	0.332822
	-0.3088	-2.23151	0.026949	0.333609
	-0.34344	-2.22568	0.027344	0.335052
RUNX1;CLIC6;ENSG00000221398	-0.30512	-2.23286	0.026857	0.333305
ENSG00000180672;NRP2;ENSG00000225216	-0.23675	-2.23391	0.026787	0.333071
TAP2	0.276041	2.231821	0.026927	0.333503
	0.306905	2.233235	0.026832	0.333164
EFCAB4B	0.235062	2.228825	0.02713	0.334338
	-0.24871	-2.23249	0.026882	0.333393
	-0.17497	-2.22572	0.027342	0.335042
	0.174996	2.235147	0.026704	0.332796
	-0.43207	-2.23316	0.026838	0.333192
EGFL7;GPSM1;SETP5;UAP1L1;LCNL1	0.233149	2.232678	0.02687	0.333331
	0.193062	2.226799	0.027268	0.334841
	-0.19352	-2.23063	0.027008	0.333885
ALG1L;UMPS	0.219778	2.230706	0.027003	0.333875
	-0.23414	-2.22804	0.027184	0.334503
GPATCH8	-0.2581	-2.23348	0.026816	0.333141
	0.212137	2.235542	0.026678	0.33271
TEX41;ZEB2	-0.30551	-2.22911	0.027111	0.33431
	-0.2914	-2.23091	0.026989	0.333787
	0.205114	2.231688	0.026936	0.333556
	0.31122	2.233747	0.026798	0.333105
	0.228647	2.233811	0.026794	0.333095
	-0.22754	-2.23206	0.026911	0.333491
	-0.1691	-2.23236	0.026891	0.333424
	0.152409	2.234969	0.026716	0.33285
KLF4	-0.44905	-2.23286	0.026858	0.333305
SHE;ASH1L;TDRD10;ATP8B2;SYT11;MTX1;C1orf43;SLC50A1;HAX1;TPM3;ARHGEF2;FAM189B;DAP3;CKS1B;UBE2Q1;HCN3;FLAD1	-0.27209	-2.22838	0.02716	0.334395
	0.242591	2.225384	0.027365	0.33513
	0.302507	2.234091	0.026775	0.333048
UBE2G2;C21orf33	-0.48461	-2.23557	0.026676	0.332709
	-0.16175	-2.2273	0.027234	0.33475
	0.405513	2.23158	0.026944	0.333609
	-0.18319	-2.22928	0.027099	0.334254
	0.246352	2.23224	0.026899	0.33345
DNAH6;RNF181;DUXAP1;CAPG;TRABD2A;RETSAT;LDHAP7	0.148592	2.231646	0.026939	0.333581
	-0.21679	-2.23459	0.026742	0.3329
TCP11L2	-0.25157	-2.22823	0.027171	0.334442
	-0.17001	-2.23684	0.026591	0.332321
	0.229389	2.230992	0.026983	0.333751
NRROS;KIAA0226;BDH1	0.458248	2.231451	0.026952	0.333628
RN7SKP71	-0.16121	-2.23489	0.026721	0.332897
WNK2	0.269005	2.229443	0.027088	0.33421

	0.161927	2.22927	0.0271	0.334254
	0.165669	2.229898	0.027057	0.334059
	-0.68654	-2.22925	0.027101	0.334254
ENSG00000264198;IKZF3;ERBB2;RARA	-0.28798	-2.23477	0.026729	0.3329
FAM111A	0.15462	2.225582	0.027351	0.335072
	-0.24494	-2.23203	0.026913	0.333491
	0.315636	2.232713	0.026867	0.333328
HMGA2	-0.37515	-2.23513	0.026705	0.332796
ATM	-0.33592	-2.23437	0.026756	0.332994
SORBS1;ENSG00000231829	0.350796	2.229049	0.027115	0.33431
	-0.24639	-2.23134	0.02696	0.333668
	-0.16784	-2.22992	0.027056	0.334059
	0.234573	2.231545	0.026946	0.333609
	-0.2977	-2.23268	0.026869	0.333331
	0.297204	2.231048	0.02698	0.33375
	0.20438	2.233378	0.026823	0.333141
	-0.24701	-2.23195	0.026919	0.333498
CBFA2T3;ENSG00000261226;ENSG00000259881;RNF166;ENS				
G00000224888;SPIRE2;PIEZO1;ENSG00000260923	-0.38028	-2.22807	0.027181	0.334493
	-0.31533	-2.23355	0.026811	0.333141
HNRNPA1P14;C9orf47;S1PR3	0.278316	2.225373	0.027365	0.33513
	-0.21546	-2.23184	0.026926	0.333498
PLXND1;ENSG00000244300;GATA2;RPN1	-0.19818	-2.2299	0.027057	0.334059
	0.249213	2.233437	0.026819	0.333141
HBB	0.260034	2.223599	0.027487	0.335584
	-0.22232	-2.23139	0.026957	0.333662
PPM1M;SFMBT1;POC1A;NEK4;PCBP4;SEMA3G;STAB1	-0.33506	-2.23525	0.026697	0.332796
	0.305812	2.23049	0.027017	0.333885
CERK;ENSG00000234869	-0.26127	-2.23134	0.02696	0.333668
	0.154509	2.225414	0.027363	0.33513
ENSG00000223528;DOCK1	-0.23177	-2.22539	0.027364	0.33513
HIF3A;NOVA2;DACT3	0.184729	2.228159	0.027175	0.334456
	0.271144	2.234889	0.026721	0.332897
	0.13712	2.227245	0.027238	0.334764
FAM86JP;ALG1L	-0.34541	-2.23126	0.026965	0.333701
	-0.19785	-2.23185	0.026926	0.333498
CYP2W1;PSMG3	-0.31469	-2.23406	0.026777	0.333048
	0.272949	2.233592	0.026808	0.333137
SULT1A1;NUPR1;NPIPB6	-0.37026	-2.23047	0.027019	0.333885
	-0.24006	-2.2312	0.02697	0.333709
	0.122018	2.230338	0.027028	0.333941
CCM2L	-0.19176	-2.23177	0.026931	0.333524
	-0.15511	-2.23303	0.026846	0.333218
SNCG	0.210082	2.229888	0.027058	0.334059
	-0.19491	-2.22794	0.02719	0.334519
	0.198796	2.220041	0.027732	0.336699
LAPTM4B;C8orf47	-0.28637	-2.22987	0.027059	0.334059

	-0.18825	-2.2305	0.027017	0.333885
ENSG00000272005	-0.28153	-2.22836	0.027162	0.334395
MTHFSD	-0.20912	-2.23457	0.026743	0.332904
	-0.22237	-2.23185	0.026926	0.333498
	0.315312	2.23179	0.02693	0.333519
	0.217753	2.22611	0.027315	0.334916
ENSG00000272079;CLDN9;ZNF213;SLC9A3R2	0.17035	2.228625	0.027144	0.334341
ASAP1	-0.1656	-2.22826	0.027169	0.334442
	-0.25394	-2.23203	0.026913	0.333491
NLRC5	-0.20631	-2.23373	0.026799	0.333105
	0.231631	2.232273	0.026897	0.33345
	0.201399	2.232642	0.026872	0.333339
CYP4F11;ENSG00000267056;WIZ;SYDE1;BRD4	-0.30973	-2.23427	0.026762	0.333023
	0.226334	2.231745	0.026933	0.333524
	-0.26755	-2.22734	0.027231	0.33475
TBCAP2	0.149763	2.229487	0.027085	0.334201
	-0.23505	-2.22893	0.027123	0.334321
	0.184678	2.231029	0.026981	0.33375
	0.289411	2.234616	0.02674	0.3329
	-0.17441	-2.23202	0.026914	0.333491
	-0.22937	-2.22833	0.027164	0.334395
	-0.23979	-2.23114	0.026974	0.333717
	-0.28087	-2.22802	0.027185	0.33451
	0.22239	2.219837	0.027746	0.336722
	-0.43497	-2.23237	0.026891	0.333422
	-0.15899	-2.23152	0.026948	0.333609
	-0.17881	-2.23098	0.026984	0.333751
	0.45679	2.233131	0.026839	0.333202
	-0.13346	-2.22989	0.027058	0.334059
	-0.1814	-2.23042	0.027022	0.333914
	0.289221	2.233438	0.026819	0.333141
HHIPL1;BCL11B	-0.32347	-2.23329	0.026829	0.333148
	0.233194	2.233934	0.026785	0.333071
LY75;ENSG00000227403;CD302	-0.35082	-2.22644	0.027293	0.334841
	0.137942	2.229804	0.027064	0.334059
	0.276667	2.226372	0.027297	0.334841
UACA	0.178323	2.222141	0.027587	0.336052
	0.253116	2.232628	0.026873	0.333342
	-0.2652	-2.22957	0.02708	0.334168
HIVEP1	0.095244	2.226802	0.027268	0.334841
	0.244118	2.232608	0.026874	0.333349
BAIAP2;NPLOC4	0.242409	2.228856	0.027128	0.334327
SLBP	0.149752	2.22579	0.027337	0.335032
	0.267974	2.231883	0.026923	0.333498
	0.285064	2.227792	0.0272	0.334595
KLF2;RASAL3;MYO9B;BRD4	-0.38762	-2.22864	0.027143	0.334341
	0.247887	2.229472	0.027086	0.334201

	0.178527	2.226427	0.027293	0.334841
	-0.19587	-2.23265	0.026871	0.333339
	-0.22722	-2.23038	0.027025	0.333922
	0.239812	2.228187	0.027173	0.334447
	0.285961	2.227358	0.02723	0.33475
STRBP	-0.26477	-2.23344	0.026818	0.333141
	0.298032	2.230464	0.027019	0.333885
	0.32091	2.232017	0.026914	0.333491
MICAL1	0.294519	2.232057	0.026912	0.333491
	0.146014	2.226926	0.027259	0.334841
	0.24256	2.232012	0.026915	0.333491
DCLK1	0.304253	2.230622	0.027008	0.333885
	-0.27412	-2.2309	0.02699	0.33379
	-0.24829	-2.23008	0.027045	0.334046
	0.300517	2.231573	0.026944	0.333609
	-0.15518	-2.22889	0.027126	0.334327
	0.222623	2.232439	0.026886	0.333393
	0.269175	2.23192	0.026921	0.333498
PPP1R18	0.259654	2.228442	0.027156	0.334379
ANKRD35	0.344371	2.23431	0.02676	0.333023
SEC14L3	-0.25754	-2.23085	0.026993	0.333814
MAP4K1;GMFG;RINL	0.187903	2.231858	0.026925	0.333498
	0.226671	2.233393	0.026822	0.333141
	0.308015	2.228641	0.027143	0.334341
ENSG00000257270	0.196083	2.226783	0.027269	0.334841
	-0.1451	-2.22478	0.027406	0.335302
	0.207261	2.22733	0.027232	0.33475
	-0.36391	-2.23033	0.027028	0.333941
	0.194145	2.229032	0.027116	0.33431
BAI1;FAM83H-AS1;PSCA;MIR4664;LY6D;FAM83H	-0.2091	-2.22915	0.027108	0.334304
	0.223498	2.230223	0.027035	0.334017
TPPP	0.258473	2.233705	0.026801	0.33312
	0.116832	2.2297	0.027071	0.334136
	-0.26043	-2.23224	0.026899	0.33345
	0.257903	2.228234	0.02717	0.334442
	0.209104	2.228514	0.027151	0.334376
	0.323749	2.231032	0.026981	0.33375
SLC44A4;NELFE;HSPA1A;TNXB;NOTCH4;TAP2;LY6G5C;HSPA1L;				
AGPAT1;HCP5;VWA7;C6orf10;HSPA1B;CLIC1	-0.30911	-2.22754	0.027218	0.334686
RIMS3	-0.19398	-2.22766	0.027209	0.334658
NDUFS3	-0.29826	-2.22793	0.027191	0.334519
	0.13278	2.229355	0.027094	0.33423
	-0.16152	-2.22635	0.027299	0.334841
	0.33137	2.231894	0.026923	0.333498
	-0.15922	-2.2319	0.026922	0.333498
	-0.36442	-2.22794	0.02719	0.334519
	-0.28699	-2.2301	0.027044	0.334044

	0.273485	2.232215	0.026901	0.333451
	0.251699	2.229572	0.02708	0.334168
F13A1	-0.31655	-2.23333	0.026826	0.333143
	-0.27422	-2.23076	0.026999	0.333843
	0.240014	2.226628	0.02728	0.334841
C6orf211	0.269	2.230031	0.027048	0.334059
IPP	-0.19375	-2.23245	0.026885	0.333393
	-0.13316	-2.23211	0.026908	0.333491
	0.253431	2.228457	0.027155	0.334379
	-0.2473	-2.23036	0.027026	0.333932
	-0.21763	-2.22747	0.027222	0.33472
	-0.24843	-2.23047	0.027018	0.333885
	0.219176	2.226595	0.027282	0.334841
	-0.2049	-2.23185	0.026926	0.333498
	-0.25493	-2.23175	0.026932	0.333524
PDK1;ENSG00000225205	-0.38251	-2.23321	0.026834	0.333166
RNF224	0.264115	2.234843	0.026724	0.3329
INTS5;RARRES3	0.157278	2.226734	0.027272	0.334841
PDCD6;LPCAT1;TPPP;TRIP13;MRPL36;NKD2;SDHA	-0.26008	-2.22558	0.027351	0.335072
	-0.17065	-2.23059	0.02701	0.333885
	-0.17715	-2.23307	0.026844	0.333218
	-0.1643	-2.22845	0.027156	0.334379
ENSG00000264198;IKZF3;ERBB2;KRT20	-0.29107	-2.23228	0.026896	0.33345
	0.249879	2.23018	0.027038	0.334025
RSG1;C1orf134;NECAP2	-0.26947	-2.22997	0.027053	0.334059
GPR133	-0.29443	-2.22509	0.027384	0.335239
TRIM9	0.189495	2.225739	0.02734	0.335035
	0.224437	2.229835	0.027062	0.334059
	0.15927	2.225429	0.027362	0.33513
PTPN7;KIF21B	0.259497	2.229126	0.02711	0.33431
	0.215174	2.226126	0.027314	0.334913
	-0.19609	-2.2233	0.027507	0.335716
	-0.16613	-2.22812	0.027178	0.334465
KCNN4;PINLYP;XRCC1	-0.22568	-2.2288	0.027132	0.334341
	0.204601	2.232371	0.02689	0.333422
TMEM255B;MCF2L;TFDP1;TMCO3;PCID2	0.234957	2.224831	0.027402	0.335292
	0.256829	2.230944	0.026987	0.333772
	-0.10636	-2.22392	0.027465	0.335562
	0.176011	2.226172	0.027311	0.334912
	0.245041	2.225755	0.027339	0.335035
	-0.34787	-2.23337	0.026823	0.333141
ENSG00000255029	-0.3561	-2.22574	0.02734	0.335035
	0.269223	2.231976	0.026917	0.333498
	0.198793	2.221669	0.02762	0.336184
	-0.31811	-2.22561	0.027349	0.335072
	0.131184	2.228727	0.027137	0.334341
	0.164199	2.225927	0.027328	0.334997

CASQ2	0.28522	2.221233	0.02765	0.336367
	0.287764	2.22619	0.02731	0.334907
MTTP	-0.22238	-2.22895	0.027121	0.334321
TRPV3;ASPA;ENSG00000263050;HIC1;RTN4RL1;ENSG00000225084	-0.4202	-2.22726	0.027237	0.334764
	-0.17504	-2.2244	0.027432	0.335384
	0.199379	2.228209	0.027172	0.334447
	0.226372	2.231335	0.02696	0.333668
	-0.25507	-2.2289	0.027125	0.334327
	0.182977	2.228198	0.027173	0.334447
	-0.19039	-2.2306	0.02701	0.333885
	-0.19798	-2.23116	0.026972	0.333717
	0.240478	2.231508	0.026949	0.333609
ENSG00000232454	-0.28271	-2.22963	0.027075	0.334162
	0.207417	2.228753	0.027135	0.334341
	0.304733	2.227853	0.027196	0.334553
	0.228818	2.226924	0.027259	0.334841
	-0.2086	-2.22586	0.027332	0.335016
	-0.2113	-2.22715	0.027244	0.334809
ENSG00000231980;PTPRN2;WDR60	0.230651	2.223474	0.027496	0.335619
	-0.19827	-2.23046	0.027019	0.333885
ABCC5	-0.2818	-2.23053	0.027014	0.333885
OFD1P17	-0.20151	-2.23112	0.026975	0.333723
	0.208242	2.224449	0.027429	0.335384
	0.142673	2.229064	0.027114	0.33431
	0.141326	2.227547	0.027217	0.334686
	-0.17305	-2.22865	0.027142	0.334341
GPR153;ACOT7;RPL22	0.176941	2.230638	0.027007	0.333885
	0.235727	2.22687	0.027263	0.334841
SH2D2A	-0.29107	-2.2328	0.026861	0.333313
	0.197857	2.230017	0.027049	0.334059
	-0.1866	-2.22592	0.027328	0.334997
	-0.33903	-2.2291	0.027112	0.33431
	-0.1777	-2.22805	0.027183	0.334503
	-0.12711	-2.21966	0.027758	0.336785
ENSG00000235997;EHD3	0.23394	2.221579	0.027626	0.336221
ADPRHL1;CDC16;TMCO3;GAS6;TMEM255B;RASA3;DCUN1D2	-0.3237	-2.22486	0.027401	0.335292
HMGN3-AS1	-0.3139	-2.22843	0.027157	0.334379
	-0.21741	-2.21937	0.027778	0.336888
EPB41L2;ENPP1	-0.26869	-2.22668	0.027276	0.334841
	0.194677	2.229192	0.027105	0.334282
CLEC1A;A2M;PZP;MFAP5	-0.32211	-2.22027	0.027716	0.33662
	0.305183	2.227191	0.027241	0.334798
	0.180765	2.227092	0.027248	0.334825
	-0.3079	-2.22733	0.027232	0.33475
HSPA1A;HCP5;HSPA1B;CLIC1;DDR1;GPSM3;SLC44A4	-0.29765	-2.22895	0.027122	0.334321

	0.112586	2.222004	0.027597	0.336084
SNORA74A;CTNNA1	-0.2249	-2.22686	0.027264	0.334841
SNTB1	-0.30479	-2.22588	0.027331	0.335015
	0.196296	2.22906	0.027114	0.33431
	-0.14998	-2.22367	0.027482	0.335579
	0.224903	2.225793	0.027337	0.335032
CLSPN	0.256085	2.227555	0.027216	0.334686
	0.283019	2.229013	0.027117	0.334312
	0.19858	2.22703	0.027252	0.334839
	0.153601	2.229006	0.027118	0.334312
KAZN;DNAJC16;ENSG00000228140;FHAD1;RSG1	0.308017	2.226816	0.027267	0.334841
	-0.12677	-2.22849	0.027153	0.334379
SLC25A37	0.282031	2.229544	0.027081	0.33418
MAD1L1;PSMG3;CHST12;HEATR2;TTYH3;GPR146;IQCE;GPER1	-0.21326	-2.22843	0.027157	0.334379
	0.356606	2.230682	0.027004	0.333884
ACACB	-0.26499	-2.22863	0.027143	0.334341
	-0.25893	-2.23081	0.026996	0.333826
	-0.28702	-2.22385	0.02747	0.335579
	0.200036	2.225698	0.027343	0.33505
LOXL2;POLR3D	-0.30531	-2.22741	0.027227	0.334737
	0.224249	2.229348	0.027095	0.33423
	0.331149	2.226368	0.027297	0.334841
	0.227351	2.222878	0.027537	0.33585
	0.222283	2.224882	0.027399	0.335292
	-0.23547	-2.22742	0.027226	0.334737
	-0.40881	-2.22369	0.027481	0.335579
	-0.41659	-2.22994	0.027055	0.334059
	-0.28373	-2.22658	0.027283	0.334841
	-0.18373	-2.22058	0.027695	0.336559
	-0.27689	-2.22789	0.027194	0.334532
	-0.20013	-2.22501	0.02739	0.335282
	0.293531	2.231137	0.026974	0.333717
RNF19B	-0.17157	-2.22636	0.027298	0.334841
	-0.1751	-2.22985	0.027061	0.334059
	0.17066	2.230559	0.027013	0.333885
	0.154019	2.221788	0.027612	0.336145
ANKRD42	-0.27291	-2.22357	0.027489	0.335586
	0.218081	2.228519	0.027151	0.334376
	0.296763	2.226733	0.027272	0.334841
	-0.23394	-2.22925	0.027101	0.334254
	-0.20905	-2.22923	0.027103	0.33426
FAM185A	0.170655	2.227016	0.027253	0.33484
	0.182636	2.226498	0.027289	0.334841
TACR1	-0.26498	-2.2262	0.027309	0.334907
	0.305764	2.22692	0.02726	0.334841
	0.178587	2.230198	0.027037	0.334025

THEMIS2;CD52	-0.19348	-2.22957	0.02708	0.334168
	0.183991	2.226736	0.027272	0.334841
THBS2	-0.38364	-2.22515	0.02738	0.335233
	-0.14974	-2.22583	0.027334	0.335026
AES	-0.20194	-2.22987	0.027059	0.334059
	-0.33843	-2.22942	0.02709	0.33421
	0.193495	2.226299	0.027302	0.334854
	0.275627	2.224324	0.027437	0.335404
IFLTD1;CASC1	-0.32836	-2.23015	0.02704	0.33403
	-0.26756	-2.22911	0.027111	0.33431
	0.224032	2.231954	0.026919	0.333498
	-0.18387	-2.2239	0.027467	0.335562
	-0.13846	-2.22872	0.027137	0.334341
	0.425828	2.231202	0.026969	0.333709
	0.20011	2.220807	0.027679	0.336509
DBNDD2	0.204631	2.22739	0.027228	0.334739
	0.421042	2.223594	0.027487	0.335584
	-0.2976	-2.224	0.027459	0.33553
TCAIM	-0.22133	-2.22363	0.027485	0.335579
	0.275574	2.229317	0.027097	0.334244
	-0.28712	-2.22741	0.027226	0.334737
PPAP2C;ARID3A;FSTL3;SHC2;MISP;GPX4;PALM;MOB3A;REEP6; TCF3;HMHA1;MIER2;DOT1L;ATP8B3;ABHD17A;ENSG00000129 951;ADAMTSL5;MBD3;ENSG00000267161	-0.3344	-2.22225	0.027579	0.335995
	0.25938	2.226476	0.02729	0.334841
	0.270907	2.227029	0.027252	0.334839
	-0.26474	-2.23018	0.027038	0.334025
	-0.19272	-2.22265	0.027552	0.335891
	0.221529	2.224276	0.02744	0.335427
	0.514781	2.22847	0.027154	0.334379
	0.227377	2.228754	0.027135	0.334341
	0.251229	2.226748	0.027272	0.334841
	-0.19201	-2.22566	0.027346	0.335055
TNS1;SPEG;STK11IP;RQCD1;PNKD;TTLL4	0.313534	2.224565	0.027421	0.335375
TMEM123	-0.22919	-2.2273	0.027234	0.33475
	-0.17275	-2.2274	0.027227	0.334737
	0.304444	2.225853	0.027333	0.335016
	-0.29912	-2.23057	0.027012	0.333885
	0.225578	2.220978	0.027667	0.336458
SEMA7A	-0.35982	-2.23075	0.026999	0.333843
	0.205013	2.228937	0.027123	0.334321
	-0.20968	-2.23174	0.026933	0.333524
GABBR1;SCAND3;ENSG00000272009;HCG14	-0.24725	-2.22704	0.027252	0.334839
	-0.2281	-2.22646	0.027291	0.334841
LYST;NID1;RYR2;LGALS8	-0.3576	-2.22068	0.027688	0.336509
ZNF721;SLBP	0.193816	2.230126	0.027042	0.33404
	-0.18865	-2.22531	0.02737	0.335165

	-0.22242	-2.22307	0.027523	0.335775
	-0.14947	-2.22669	0.027275	0.334841
	0.170843	2.227257	0.027237	0.334764
ARMC4;MKX;LRRC37A6P;MPP7;LINC00202-1	0.278596	2.219972	0.027737	0.336709
DSTYK	0.254814	2.226616	0.02728	0.334841
	0.340941	2.226795	0.027268	0.334841
	0.233007	2.226456	0.027291	0.334841
SCARF1;INPP5K;MYO1C;RAP1GAP2	-0.31051	-2.22527	0.027372	0.335186
CEP55	0.288352	2.224872	0.0274	0.335292
BAIAP2;WDR45B;SLC25A10;OXLD1;NOTUM;ARL16	-0.29451	-2.22067	0.027689	0.336509
ENSG00000271204;ENSG00000233559	0.140237	2.228926	0.027123	0.334321
	0.241024	2.22823	0.027171	0.334442
	0.269976	2.223639	0.027484	0.335579
	-0.2325	-2.22259	0.027557	0.335891
	0.262161	2.226493	0.027289	0.334841
ACTN1	-0.27131	-2.22799	0.027187	0.334519
	0.177454	2.22668	0.027276	0.334841
	0.189623	2.223895	0.027467	0.335562
HTRA3;AFAP1;ACOX3	0.419433	2.229528	0.027082	0.334183
	-0.22111	-2.21902	0.027803	0.337001
	-0.37911	-2.22942	0.02709	0.33421
	-0.30319	-2.23106	0.026979	0.333749
SPEG	0.193558	2.224585	0.027419	0.335368
	0.325199	2.226135	0.027313	0.334913
COLGALT1	-0.17162	-2.22997	0.027053	0.334059
LRRC43;DNAH10;ZNF664;TCTN2;KNTC1;DNAH10OS;CCDC92;CLIP1	0.382075	2.22925	0.027101	0.334254
	0.182263	2.223739	0.027477	0.335579
PHLDB2;WDR52;C3orf52;CD200;ENSG00000261488;ABHD10;TMPRSS7;SLC9C1;TAGLN3;BOC;ENSG00000239482	-0.30809	-2.22566	0.027346	0.335055
	0.189048	2.223844	0.02747	0.335579
ADAMTS9-AS2;ADAMTS9;LRIG1;MAGI1	-0.32027	-2.21592	0.028018	0.337741
	-0.17924	-2.22102	0.027665	0.336444
	0.308161	2.229642	0.027075	0.334162
SLCO5A1	-0.25411	-2.22859	0.027146	0.334352
TRPV2;ADORA2B;TBC1D27;PMP22;ZSWIM7;TRIM16	-0.27513	-2.22303	0.027526	0.335779
	-0.27412	-2.22906	0.027114	0.33431
	0.238639	2.223502	0.027494	0.335619
	0.154847	2.228349	0.027162	0.334395
	-0.26544	-2.22943	0.027089	0.33421
	-0.53174	-2.22868	0.02714	0.334341
	0.169261	2.227534	0.027218	0.334686
HOXB-AS2;HOXB4	0.230659	2.222062	0.027593	0.336083
	0.251088	2.226048	0.027319	0.334935
	0.227221	2.227907	0.027193	0.334528
FMNL3;SPATS2;KMT2D	-0.32696	-2.22762	0.027212	0.33467
	-0.19686	-2.22542	0.027362	0.33513

	0.25126	2.225598	0.02735	0.335072
GOLGA8B	-0.17593	-2.22303	0.027526	0.335779
ABI3;SKAP1;GNGT2	-0.27641	-2.22869	0.027139	0.334341
	0.268485	2.226949	0.027258	0.334841
	-0.23556	-2.22449	0.027426	0.335381
FLT4	0.287687	2.22649	0.027289	0.334841
FAM174B	-0.26164	-2.2235	0.027494	0.335619
	0.386029	2.228849	0.027129	0.334327
	0.304702	2.228582	0.027147	0.334352
	0.158973	2.227962	0.027189	0.334519
	-0.24081	-2.22614	0.027313	0.334913
	0.203799	2.228752	0.027135	0.334341
	0.195651	2.229604	0.027077	0.334168
FAM135A;RIMS1	-0.27895	-2.22314	0.027519	0.335757
	-0.31035	-2.2226	0.027556	0.335891
HELB	0.267869	2.229844	0.027061	0.334059
PEAR1;KIRREL-IT1;KIRREL	-0.31946	-2.22472	0.02741	0.335311
	-0.24153	-2.22489	0.027398	0.335292
	-0.35706	-2.2263	0.027302	0.334854
	-0.38733	-2.22606	0.027318	0.334935
	0.177665	2.227659	0.027209	0.334658
SUV420H2	0.284266	2.228154	0.027176	0.334456
BAIAP2;SLC25A10;RNF213	0.279054	2.225113	0.027383	0.335233
SHH	-0.27283	-2.22262	0.027555	0.335891
LOXL2;ENSG00000253837;STC1;ENSG00000254272	-0.37653	-2.22227	0.027578	0.335995
	0.188544	2.224146	0.027449	0.335501
	-0.33716	-2.22795	0.02719	0.334519
	0.332613	2.226097	0.027316	0.334917
	0.323621	2.226435	0.027293	0.334841
	0.263282	2.223793	0.027474	0.335579
PHF10;THBS2	-0.23249	-2.2228	0.027542	0.335879
	-0.15791	-2.2264	0.027295	0.334841
	0.315147	2.227312	0.027233	0.33475
	0.204204	2.21607	0.028008	0.337699
	0.368446	2.22687	0.027263	0.334841
	-0.24488	-2.22629	0.027303	0.334854
	0.257702	2.223649	0.027483	0.335579
	0.217074	2.226413	0.027294	0.334841
	-0.43423	-2.226	0.027323	0.334956
TMC8;TMC6	0.211726	2.228697	0.027139	0.334341
	0.282179	2.223654	0.027483	0.335579
	0.199041	2.222798	0.027542	0.335879
FGFR1;TACC1;IDO1;DDHD2;PPAPDC1B;ENSG00000272092	0.283578	2.224009	0.027459	0.33553
	0.215938	2.223473	0.027496	0.335619
	-0.28066	-2.22647	0.02729	0.334841
	0.296857	2.224052	0.027456	0.335507

	0.273731	2.218885	0.027812	0.33703
	0.292131	2.226519	0.027287	0.334841
	0.257859	2.224992	0.027391	0.335286
TAX1BP1;CHN2;HIBADH	-0.37724	-2.22383	0.027471	0.335579
FOXN4	-0.28286	-2.22588	0.02733	0.335015
	0.317391	2.223214	0.027513	0.335744
	-0.22788	-2.21856	0.027835	0.337078
	0.294682	2.21428	0.028133	0.338255
	0.130589	2.224676	0.027413	0.33533
	-0.2248	-2.22684	0.027265	0.334841
	0.307344	2.228563	0.027148	0.334355
WDR45B;PCYT2;METRNL;MAFG-AS1	-0.33799	-2.2208	0.027679	0.336509
	0.213598	2.22448	0.027427	0.335381
	0.304265	2.221547	0.027628	0.336224
ENSG00000176593	0.174577	2.220736	0.027684	0.336509
	0.161113	2.224844	0.027402	0.335292
B3GNT6	-0.29898	-2.22372	0.027478	0.335579
	-0.23598	-2.22899	0.027119	0.334314
	-0.19993	-2.22599	0.027323	0.334956
TNXB;NRM;NOTCH4	0.218171	2.227133	0.027245	0.334809
	0.297707	2.226501	0.027288	0.334841
	0.212191	2.228139	0.027177	0.334459
	-0.1823	-2.22718	0.027242	0.334798
	0.213037	2.227952	0.027189	0.334519
	-0.16772	-2.22412	0.027451	0.335501
SLC5A4	0.202175	2.219534	0.027767	0.336833
	-0.20268	-2.22769	0.027208	0.334654
GALNT16;EXD2;SLC39A9;ERH	-0.30069	-2.22194	0.027601	0.336106
	0.259704	2.224746	0.027408	0.335311
	-0.19819	-2.22305	0.027525	0.335779
USHBP1;PLVAP	-0.2676	-2.22546	0.02736	0.33513
	0.196113	2.226127	0.027314	0.334913
	0.225643	2.228759	0.027135	0.334341
ESYT2	0.164897	2.220741	0.027684	0.336509
WSCD2;ACACB;KCTD10;TMEM119;CORO1C;FOXN4	0.322884	2.225401	0.027363	0.33513
LAMB2;SEMA3B;DOCK3;BSN;CACNA2D2;C3orf18;RASSF1;GPX1	-0.47434	-2.22637	0.027297	0.334841
	0.228483	2.224591	0.027419	0.335368
	-0.28218	-2.22418	0.027447	0.335492
	-0.1811	-2.2271	0.027248	0.334825
	-0.23665	-2.22644	0.027292	0.334841
	-0.14454	-2.22514	0.027381	0.335233
	0.25739	2.223572	0.027489	0.335586
	-0.21002	-2.221	0.027666	0.336448
ENSG00000272604	0.265371	2.223222	0.027513	0.335744
	0.214746	2.22217	0.027585	0.336051
	0.244907	2.225319	0.027369	0.335165

	0.253187	2.224892	0.027398	0.335292
	0.163209	2.221326	0.027643	0.33634
	0.277837	2.227637	0.027211	0.334667
	-0.19903	-2.22111	0.027659	0.336413
	-0.25604	-2.22068	0.027688	0.336509
	0.235653	2.220674	0.027688	0.336509
	-0.20474	-2.22326	0.02751	0.335731
BMP6	0.20344	2.225426	0.027362	0.33513
	-0.138	-2.22512	0.027382	0.335233
	0.314714	2.226981	0.027256	0.334841
	0.345193	2.22841	0.027158	0.334386
	-0.31751	-2.22319	0.027515	0.335744
MAP3K9;TTC9;KIAA0247	0.272782	2.218038	0.027871	0.337224
CRTC3;SEMA4B	-0.23185	-2.22714	0.027245	0.334809
	-0.15099	-2.22564	0.027347	0.335063
PCDH12;PCDH1	-0.21742	-2.2264	0.027295	0.334841
	0.277057	2.225014	0.02739	0.335282
	0.194186	2.22258	0.027557	0.335891
	0.502691	2.226938	0.027259	0.334841
	0.217978	2.222315	0.027575	0.335995
	0.340579	2.224813	0.027404	0.335292
KMT2A;PHLDB1;PCSK7;MPZL3;IFT46;FXYD2;UBE4A;IL10RA;ENSG00000255176;TAGLN;ATP5L	-0.36178	-2.22168	0.027619	0.336184
	0.325	2.225207	0.027377	0.335201
TNFSF12;ELP5;ACAP1;CLDN7;ARHGEF15;KCTD11;MPDU1;VAMP2;CTC1	-0.27668	-2.22225	0.02758	0.335995
	0.128456	2.224147	0.027449	0.335501
ARFIP1	0.223484	2.226371	0.027297	0.334841
	0.16003	2.226213	0.027308	0.334907
	0.404165	2.222304	0.027576	0.335995
	-0.16235	-2.22188	0.027606	0.336131
	0.195497	2.217794	0.027888	0.337311
CTTN;SHANK2	0.205419	2.222678	0.02755	0.335891
	0.294684	2.226678	0.027276	0.334841
	0.229003	2.220742	0.027684	0.336509
	0.123165	2.22493	0.027396	0.335292
	-0.16006	-2.22292	0.027534	0.335834
RN7SK	0.209597	2.225249	0.027374	0.335186
	-0.28328	-2.22472	0.02741	0.335311
	0.259065	2.224109	0.027452	0.335501
TRIM16L;LGALS9C;MPRIP;TBC1D27;ENSG00000264885;RASD1	-0.22492	-2.2267	0.027275	0.334841
	-0.20757	-2.22635	0.027298	0.334841
CEP68	0.277952	2.225742	0.02734	0.335035
ENSG00000225670;AIM2;DARC;ENSG00000213080;CADM3;ENSG00000227741;PYHIN1;SLAMF1;PEX19;FCRL6	-0.44513	-2.22298	0.027529	0.335808
CDKN2B;CDKN2B-AS1;DMRTA1	0.319667	2.2217	0.027618	0.336184

TSTA3	0.284994	2.22692	0.02726	0.334841
	-0.29805	-2.21396	0.028155	0.33832
	-0.26634	-2.22675	0.027272	0.334841
	-0.2476	-2.22283	0.02754	0.335877
	0.232685	2.219878	0.027743	0.336722
	-0.21978	-2.22461	0.027418	0.335368
	0.260797	2.224094	0.027453	0.335501
TBX2;TBX4;ENSG00000267280;ENSG00000267137	0.352965	2.224481	0.027426	0.335381
	0.286278	2.223901	0.027466	0.335562
C6orf10;STK19	0.200321	2.219335	0.027781	0.3369
BCL10	-0.48788	-2.21668	0.027966	0.337622
	-0.25386	-2.22448	0.027427	0.335381
	-0.26316	-2.2244	0.027432	0.335384
	0.229632	2.222488	0.027563	0.335898
	0.141831	2.221153	0.027655	0.336402
	-0.27496	-2.22631	0.027301	0.334854
RYR1	0.185956	2.222095	0.02759	0.336065
	0.259429	2.224722	0.02741	0.335311
	-0.13744	-2.22281	0.027541	0.335879
	0.242776	2.225453	0.02736	0.33513
C14orf2	0.268753	2.227046	0.027251	0.334839
	0.280248	2.223986	0.02746	0.335534
PWWP2B;TTC40	-0.32255	-2.21929	0.027784	0.3369
RPL7AP6	0.239858	2.214151	0.028142	0.338282
	0.175131	2.226042	0.02732	0.334935
SP140;SP110	-0.23572	-2.22309	0.027522	0.33577
	0.228298	2.224871	0.0274	0.335292
	0.231381	2.224127	0.027451	0.335501
NUSAP1;STARD9	-0.22935	-2.21605	0.028009	0.337699
PSMB8;TAP1	0.154485	2.222376	0.027571	0.335964
	0.243306	2.222878	0.027536	0.33585
	0.159298	2.219511	0.027769	0.336833
	0.222303	2.223124	0.02752	0.335758
	-0.38087	-2.22249	0.027563	0.335898
NWD1;ENSG00000267275;OCEL1;C19orf44;TPM4;USHBP1;PLV				
AP;MYO9B;ANO8;SIN3B;NR2F6;CYP4F12;SLC27A1	-0.39459	-2.21912	0.027796	0.336994
PAQR7;ENSG00000229162	0.121149	2.222669	0.027551	0.335891
	0.20214	2.216678	0.027966	0.337622
TAL1;CMPK1	0.214291	2.22258	0.027557	0.335891
	-0.172	-2.22351	0.027493	0.335619
ICT1;FDXR;MRPS7;SLC9A3R1	0.23445	2.226681	0.027276	0.334841
ANGPTL7;CASZ1;APITD1	0.316874	2.225788	0.027337	0.335032
	0.227622	2.215859	0.028023	0.337743
	-0.23371	-2.2204	0.027707	0.336614
	0.226948	2.223354	0.027504	0.335699
LATS2;IFT88;MPHOSPH8;MIPEPP3;ZMYM2	0.228472	2.223187	0.027515	0.335744
	0.206122	2.223706	0.02748	0.335579

	-0.31031	-2.22163	0.027623	0.336199
NXPH3;HOXB-AS3;HOXB1	-0.32972	-2.22243	0.027567	0.335924
TAP1;HLA-DMB;HLA-DOA;TAP2;HLA-DPB1;HLA-DMA;PSMB9;HLA-DRA;TAPSAR1;HLA-DPA1;GPSM3;PSMB8;SYNGAP1;TAPBP;RPL32P1	0.42747	2.225541	0.027354	0.335095
	0.323215	2.224519	0.027424	0.335381
	0.286143	2.22406	0.027455	0.335507
USP43;PIK3R6;WDR16	-0.18421	-2.21963	0.027761	0.336796
	-0.23011	-2.22317	0.027516	0.335745
	0.227065	2.217957	0.027877	0.337231
ATG7	-0.29137	-2.21861	0.027831	0.337078
	-0.28477	-2.22392	0.027465	0.335562
	0.267808	2.224689	0.027412	0.335328
	0.236994	2.224851	0.027401	0.335292
	0.224036	2.220047	0.027732	0.336699
	-0.32598	-2.22494	0.027395	0.335292
	-0.22475	-2.22112	0.027658	0.336413
	0.238298	2.220202	0.027721	0.336633
	-0.26545	-2.22542	0.027362	0.33513
	0.264986	2.224273	0.027441	0.335427
	-0.18428	-2.22525	0.027374	0.335186
	0.213195	2.222591	0.027556	0.335891
	0.224267	2.223777	0.027475	0.335579
	0.234618	2.220047	0.027732	0.336699
	-0.21593	-2.22453	0.027423	0.335381
	0.279916	2.224861	0.0274	0.335292
	0.183159	2.221865	0.027606	0.336131
	0.211185	2.226533	0.027286	0.334841
	-0.28707	-2.22172	0.027616	0.336178
	-0.31242	-2.21987	0.027744	0.336722
	-0.24271	-2.22372	0.027479	0.335579
	0.182337	2.217214	0.027928	0.337461
	0.260187	2.224646	0.027415	0.335345
	-0.17475	-2.22117	0.027654	0.336399
	0.230147	2.213473	0.02819	0.33844
	0.225029	2.222258	0.027579	0.335995
POLR3D;TNFRSF10D;GFRA2;CHMP7;NUDT18	-0.33503	-2.22441	0.027431	0.335384
APBA2	0.218096	2.220637	0.027691	0.336524
	0.199101	2.216269	0.027994	0.337663
	0.184387	2.223304	0.027507	0.335716
INPP5D	0.105509	2.216504	0.027978	0.337658
	0.118514	2.223636	0.027484	0.335579
PSD4;MERTK	-0.31621	-2.22294	0.027532	0.335822
RASSF1;CDHR4;IP6K1	0.152261	2.220706	0.027686	0.336509
	0.206843	2.222141	0.027587	0.336052
	0.157509	2.220863	0.027675	0.336496
F10;TMCO3	0.25917	2.222677	0.02755	0.335891

DOK2;NPM2;CHMP7	-0.33724	-2.21949	0.02777	0.336834
	-0.35564	-2.22674	0.027272	0.334841
	0.228672	2.223803	0.027473	0.335579
GSS	0.119226	2.222947	0.027532	0.335822
	-0.24618	-2.22167	0.02762	0.336184
GNL2	0.17695	2.222653	0.027552	0.335891
	0.239273	2.224482	0.027426	0.335381
CARS;NAP1L4;IGF2;MRPL23;TSPAN32;ENSG00000255367;TSSC2	-0.17266	-2.22259	0.027557	0.335891
	-0.25878	-2.22226	0.027579	0.335995
MCM2	-0.14562	-2.22188	0.027605	0.336131
IFT88;MPHOSPH8;LATS2;SAP18	0.36903	2.220711	0.027686	0.336509
IL32;CCDC64B;ENSG00000205890;HS3ST6;PRSS22;CLUAP1	0.312758	2.223689	0.027481	0.335579
	0.351457	2.2197	0.027756	0.336779
	0.162476	2.221543	0.027628	0.336224
	0.223944	2.219506	0.027769	0.336833
	0.268685	2.22072	0.027685	0.336509
	-0.22927	-2.22506	0.027387	0.335256
	-0.32363	-2.22193	0.027602	0.336106
	0.337694	2.224102	0.027452	0.335501
	0.253759	2.224442	0.027429	0.335384
BNIPL;THEM4;SELENBP1;S100A11;HRNR;CGN	-0.36752	-2.22478	0.027406	0.335302
	0.197453	2.224415	0.027431	0.335384
	0.227172	2.223653	0.027483	0.335579
	0.283398	2.220146	0.027725	0.336659
	0.239685	2.220199	0.027721	0.336633
ST6GALNAC1;TNRC6C	-0.37922	-2.22439	0.027432	0.335384
SLC5A4;CPSF1P1	0.30382	2.21722	0.027928	0.337461
	0.230892	2.221253	0.027648	0.336361
	0.245296	2.217834	0.027885	0.337293
	0.243286	2.22197	0.027599	0.336093
	0.237208	2.222515	0.027561	0.335898
	0.259322	2.218293	0.027853	0.337127
HSPA1A;NOTCH4;SLC44A4;CLIC1;NELFE	0.207095	2.222655	0.027552	0.335891
SOS1-IT1	0.215843	2.220174	0.027723	0.336645
STARD9	-0.28606	-2.21929	0.027784	0.3369
	0.255309	2.225222	0.027376	0.335198
ENSG00000272005	0.296511	2.217651	0.027898	0.337338
	-0.21101	-2.21995	0.027738	0.336714
	-0.22722	-2.22276	0.027545	0.335891
	0.152626	2.213074	0.028218	0.338539
SHANK2;SHANK2-AS2	-0.22282	-2.21888	0.027812	0.33703
SEPT11;SOWAHB	-0.33704	-2.21843	0.027844	0.337078
	-0.27838	-2.21897	0.027807	0.337014
	0.222273	2.221818	0.027609	0.336145
	0.325701	2.223309	0.027507	0.335716

	0.307948	2.221728	0.027616	0.336178
	-0.36918	-2.22031	0.027714	0.33662
	0.222717	2.222577	0.027557	0.335891
	-0.33332	-2.21935	0.02778	0.3369
ENSG00000225885	0.330912	2.225117	0.027383	0.335233
EGFL7;GPSM1	-0.14554	-2.2231	0.027521	0.335767
	-0.29943	-2.22078	0.027681	0.336509
OSBPL2	-0.30736	-2.222	0.027597	0.336084
	0.123431	2.217034	0.027941	0.337507
RAMP1	-0.18969	-2.21719	0.02793	0.337463
	0.248346	2.217957	0.027877	0.337231
STARD9;TMEM87A;LRRC57;NDUFAF1	-0.20475	-2.21766	0.027898	0.337338
	-0.15805	-2.2157	0.028034	0.337804
	0.131352	2.221084	0.02766	0.336416
	-0.2646	-2.21605	0.02801	0.337699
HLF;STXBP4;TOM1L1	-0.35021	-2.22213	0.027588	0.336052
THAP11;ACD;CES3	0.185563	2.219831	0.027747	0.336722
CARS;NAP1L4	-0.27593	-2.22246	0.027565	0.33591
	-0.19009	-2.21666	0.027967	0.337622
	-0.15865	-2.22028	0.027716	0.33662
	-0.29963	-2.22484	0.027402	0.335292
	-0.30694	-2.222	0.027597	0.336084
	0.126989	2.221783	0.027612	0.336145
	0.159146	2.219677	0.027757	0.336785
MTSS1;ENSG00000254286;ZNF572	-0.39328	-2.21929	0.027784	0.3369
	-0.25283	-2.21895	0.027808	0.337014
RASGEF1B	0.290059	2.219996	0.027735	0.336708
	-0.23222	-2.22133	0.027643	0.33634
NUMB;PAPLN;RGS6;ENSG00000258376;DPF3	0.312369	2.220083	0.027729	0.336699
	0.253901	2.223189	0.027515	0.335744
	0.170517	2.218801	0.027818	0.337064
	0.194396	2.223782	0.027474	0.335579
	-0.30183	-2.22199	0.027597	0.336084
	-0.19685	-2.21986	0.027745	0.336722
TRAF3IP1	0.266161	2.220283	0.027715	0.33662
HSPA1B;NELFE;HLA-DOA;CSNK2B;MICB;HLA-DMA;BAG6;ABHD16A;HSPA1A	0.221309	2.214573	0.028113	0.338159
HLA-A;HLA-B;OR2I1P;HLA-F	-0.26293	-2.21769	0.027895	0.337338
	0.186411	2.222022	0.027595	0.336084
	-0.28057	-2.22162	0.027623	0.336199
	-0.20249	-2.22093	0.027671	0.336481
	0.203377	2.214199	0.028139	0.338282
	0.194061	2.215436	0.028052	0.337887
	0.207898	2.220886	0.027674	0.336486
PTP4A3	0.180129	2.22139	0.027639	0.336312
	0.193643	2.209043	0.028502	0.339411
	-0.24003	-2.2203	0.027714	0.33662

HEG1;MYLK	0.396828	2.220533	0.027698	0.336592
RPL39P3	-0.16983	-2.21905	0.027801	0.336997
	0.277874	2.22026	0.027717	0.33662
	-0.22603	-2.2225	0.027563	0.335898
	-0.3995	-2.22036	0.02771	0.33662
VWF;ANO2;NTF3	-0.25021	-2.21546	0.028051	0.337887
RDH10	0.32278	2.220339	0.027712	0.33662
	-0.19109	-2.22435	0.027435	0.33539
	0.186407	2.223362	0.027503	0.335699
	-0.17065	-2.21952	0.027768	0.336833
	0.292814	2.221177	0.027654	0.336399
	0.30899	2.216205	0.027999	0.337663
	-0.19901	-2.22178	0.027612	0.336145
C11orf49;AGBL2	-0.27089	-2.21902	0.027803	0.337001
KDM7A;SLC37A3;RAB19;JHDM1D-AS1	-0.43775	-2.22254	0.02756	0.335898
	-0.31164	-2.21963	0.02776	0.336796
SPI1;C11orf49;ENSG00000255197;CRY2	-0.4048	-2.21653	0.027976	0.337645
	0.339361	2.223778	0.027475	0.335579
	0.248973	2.220923	0.027671	0.336481
	-0.2603	-2.21417	0.028141	0.338282
FCHSD2;RELT	-0.37635	-2.22362	0.027485	0.335579
	0.255338	2.2213	0.027645	0.33634
ZHX2;TBC1D31;HAS2;DERL1	-0.3329	-2.21855	0.027836	0.337078
	-0.13978	-2.22435	0.027435	0.33539
	-0.29715	-2.22004	0.027732	0.336699
ENSG00000257489;GAS2L3	0.283517	2.218799	0.027818	0.337064
	-0.2402	-2.21848	0.02784	0.337078
	0.187702	2.220237	0.027719	0.33663
	0.257826	2.219908	0.027741	0.336722
ICAM3;ICAM1	0.26172	2.222533	0.02756	0.335898
	-0.23658	-2.21434	0.028129	0.338252
	-0.18675	-2.21957	0.027765	0.336828
	-0.21884	-2.22163	0.027622	0.336199
	0.250432	2.218506	0.027839	0.337078
	0.241639	2.219423	0.027775	0.336875
	-0.58106	-2.2215	0.027631	0.33624
	0.266724	2.212777	0.028239	0.338607
	0.269742	2.211418	0.028334	0.338985
	0.219727	2.220483	0.027702	0.336605
HSPB11;TMEM59	-0.23348	-2.22154	0.027629	0.336224
	0.268823	2.218459	0.027842	0.337078
	0.15525	2.214648	0.028108	0.338125
	0.260549	2.21842	0.027845	0.337078
	0.509623	2.222764	0.027544	0.335891
	0.230506	2.22035	0.027711	0.33662
	0.217494	2.205775	0.028735	0.340287
	0.151742	2.216631	0.027969	0.337633

	0.170473	2.222731	0.027547	0.335891
	0.230538	2.2163	0.027992	0.337663
	-0.28063	-2.22482	0.027403	0.335292
	-0.18139	-2.21805	0.02787	0.337224
	-0.58872	-2.22131	0.027645	0.33634
WDR45B;PCYT2;TBCD;MAFG-AS1	-0.30317	-2.21717	0.027932	0.337467
	-0.32552	-2.22027	0.027716	0.33662
	0.184525	2.220899	0.027673	0.336485
SKI	-0.2263	-2.21587	0.028022	0.337743
	-0.18257	-2.21429	0.028133	0.338255
	0.296721	2.220497	0.027701	0.336605
	0.153058	2.218785	0.027819	0.337066
CYTH3;RNF216	-0.42667	-2.21763	0.027899	0.337338
ADCY7;ZNF423;SNX20	-0.30951	-2.22115	0.027656	0.336402
	-0.15156	-2.21893	0.027809	0.337014
FGFR4;RGS14;ARL10;GRK6	0.194345	2.216568	0.027973	0.337645
	-0.29152	-2.21592	0.028018	0.337741
LINC00578	-0.32038	-2.21954	0.027767	0.336833
	-0.30285	-2.22316	0.027517	0.335745
	-0.31493	-2.22255	0.027559	0.335898
	0.28228	2.219601	0.027763	0.33681
	0.231836	2.218631	0.02783	0.337078
	-0.34046	-2.21494	0.028087	0.338043
	0.288676	2.216178	0.028001	0.337663
	0.236783	2.220448	0.027704	0.336605
NRROS;CEP19	-0.2182	-2.2164	0.027985	0.337663
PHLDB1;IL10RA;FXYD2;DPAGT1;MPZL3	0.241985	2.214909	0.028089	0.338043
HLA-L	-0.19393	-2.22179	0.027611	0.336145
	0.134754	2.21641	0.027984	0.337663
	-0.26732	-2.21771	0.027894	0.337337
	-0.26491	-2.22045	0.027704	0.336605
	0.17886	2.222022	0.027595	0.336084
PPP1R18;GABBR1;DDR1;PPP1R11;PPP1R10;DHX16;HLA-F-AS1;NRM	0.322923	2.21897	0.027806	0.337014
	-0.24137	-2.21922	0.027789	0.336933
	0.325431	2.221099	0.027659	0.336413
	-0.3043	-2.22068	0.027688	0.336509
	-0.22242	-2.21998	0.027737	0.336709
	0.224805	2.221858	0.027607	0.336131
	0.203194	2.220916	0.027672	0.336481
GRASP;KRT18;KRT80;MFSD5;ACVR1B;MAP3K12;KRT8;TENC1;KRT7;ACVRL1;PFDN5	-0.31352	-2.21985	0.027746	0.336722
	0.39044	2.216144	0.028003	0.337665
	-0.29175	-2.22072	0.027685	0.336509
ZDHHC4P1	0.220452	2.217215	0.027928	0.337461
	-0.22232	-2.2203	0.027714	0.33662
	-0.21178	-2.21325	0.028206	0.338481

	-0.33667	-2.21931	0.027783	0.3369
	0.235446	2.220279	0.027716	0.33662
	-0.23482	-2.21645	0.027982	0.337663
	0.222071	2.213249	0.028206	0.338481
	-0.28401	-2.21838	0.027847	0.337078
	0.271082	2.221485	0.027632	0.336243
ABTB1	0.185772	2.215337	0.028059	0.337887
	-0.18649	-2.21696	0.027946	0.337536
	0.258845	2.216331	0.02799	0.337663
LMOD1;CSRP1;PPP1R12B;ELF3;C1orf106	-0.28452	-2.21842	0.027845	0.337078
ENSG00000251076	-0.17361	-2.21941	0.027776	0.336875
	-0.37141	-2.21565	0.028037	0.337826
	0.151302	2.214392	0.028125	0.338235
	-0.22612	-2.22211	0.027589	0.336064
ZAP70	-0.2686	-2.22131	0.027644	0.33634
ANXA6;SPARC	-0.31869	-2.21418	0.02814	0.338282
	-0.16755	-2.21907	0.0278	0.336997
PCNX;GALNT16;TTC9	-0.26839	-2.21762	0.0279	0.337342
ABCA8;PITPNC1;ENSG00000267659;ABCA6;ABCA9	0.282352	2.213035	0.028221	0.338539
NPLOC4;LINC00482;BAIAP2;SECTM1;SIRT7;NOTUM;TMEM105	-0.38791	-2.21853	0.027837	0.337078
OAS2;OAS1;OAS3;TRAFD1;PLBD2	-0.30611	-2.21847	0.027841	0.337078
TRAF4;CORO6;TLCD1;KIAA0100	0.287133	2.220436	0.027705	0.336606
BNIPL;CGN;CTSK	-0.30707	-2.21799	0.027874	0.337228
	0.237291	2.219198	0.027791	0.336939
	0.142871	2.218402	0.027846	0.337078
ARHGAP29;ABCD3;ABCA4;FNBP1L;ENSG00000233129	0.373126	2.216204	0.027999	0.337663
	0.298828	2.218415	0.027845	0.337078
	-0.18483	-2.21776	0.027891	0.337311
	-0.30082	-2.22229	0.027577	0.335995
	0.249658	2.219876	0.027744	0.336722
ZNF232;USP6;ENSG00000234327;ZFP3	-0.2504	-2.21801	0.027873	0.337224
SORBS2;FAM149A	-0.28831	-2.21037	0.028409	0.339188
	0.260126	2.216282	0.027993	0.337663
TXNDC9	0.304974	2.212488	0.028259	0.338674
PTPRH	-0.1597	-2.22104	0.027663	0.336438
	-0.19402	-2.22104	0.027663	0.336438
	0.249211	2.217577	0.027903	0.337356
	-0.31577	-2.22263	0.027554	0.335891
	0.231032	2.215359	0.028058	0.337887
ENSG00000236510	0.166572	2.218169	0.027862	0.337174
	0.148891	2.219258	0.027786	0.336917
ENSG00000223704	0.184072	2.21971	0.027755	0.336779
C1QTNF1	0.239763	2.219372	0.027778	0.336888
ENSG00000227775	0.233749	2.214829	0.028095	0.338053
	0.186696	2.220222	0.02772	0.336633
IGHG3;IGHG2;IGHGP	0.221103	2.219787	0.02775	0.33674

	-0.1611	-2.21806	0.027869	0.337224
PSMG3	0.179566	2.217035	0.027941	0.337507
	0.170308	2.218014	0.027873	0.337224
	-0.32965	-2.21722	0.027928	0.337461
	-0.26082	-2.21906	0.0278	0.336997
CYTH3;ENSG00000198580;RSPH10B;ENSG00000244167;EIF2AK1;CCZ1;ENSG00000239696;RPA3;USP42	0.312859	2.214267	0.028134	0.338255
THBS2	0.20216	2.221514	0.02763	0.336237
	0.178078	2.218076	0.027868	0.337224
	0.259751	2.216988	0.027944	0.337518
NME4;SOX8;RGS11;TMEM204;HN1L;ENSG00000261659;MSLN;HBA1;MSRB1	-0.24845	-2.21168	0.028316	0.338951
TMED11P	0.595934	2.219806	0.027748	0.336734
ATP1B1	-0.19299	-2.21901	0.027804	0.337004
	-0.21537	-2.21877	0.02782	0.337066
SARDH;ADAMTSL2;GTF3C5;SLC2A6;GBGT1;SURF2;VAV2;CEL;AK8;GTF3C4;LINC00094	-0.30304	-2.22126	0.027648	0.336361
C11orf30	0.178104	2.218025	0.027872	0.337224
	-0.21068	-2.22077	0.027682	0.336509
SLC16A1-AS1;DENND2C;ENSG00000232450;PHTF1;MAGI3;HIPK1;OLFML3	0.261096	2.217227	0.027927	0.337461
METRN	-0.4093	-2.21873	0.027823	0.337078
SLBP	-0.35886	-2.21272	0.028243	0.338618
ZNF503	0.2889	2.212198	0.028279	0.338769
	0.176735	2.214307	0.028131	0.338255
PPP1R2;LINC00885;TNK2;UBXN7-AS1	0.174589	2.217024	0.027942	0.337507
GRK5;GRK5-IT1	0.268613	2.217661	0.027897	0.337338
	0.228347	2.210053	0.028431	0.339217
	-0.28225	-2.21668	0.027965	0.337622
ENSG00000174093	0.261723	2.217906	0.02788	0.337242
	-0.21082	-2.21795	0.027877	0.337231
PARG;TIMM23	-0.23653	-2.22047	0.027703	0.336605
	-0.34755	-2.21068	0.028387	0.339168
	0.171146	2.217505	0.027908	0.337407
	-0.27536	-2.21801	0.027873	0.337224
	0.247779	2.217189	0.02793	0.337463
	0.210863	2.219054	0.027801	0.336997
GNG2	0.232663	2.214129	0.028144	0.338286
RCSD1;TBX19;MPC2;CD247	-0.34572	-2.21631	0.027992	0.337663
	0.158246	2.215969	0.028015	0.337727
	-0.19083	-2.22049	0.027701	0.336605
ZNF536	0.273921	2.216686	0.027965	0.337622
GRIN1;ENTPD8;NRARP	-0.21627	-2.21193	0.028298	0.338844
	0.153399	2.218927	0.027809	0.337014
ZNF366;ENSG00000261269	-0.24473	-2.21524	0.028066	0.337898
	0.256451	2.21734	0.02792	0.337461

	0.272385	2.216297	0.027992	0.337663
	0.202121	2.220001	0.027735	0.336708
	0.217991	2.218579	0.027833	0.337078
	-0.13	-2.21837	0.027848	0.337078
LPP	-0.31394	-2.21237	0.028267	0.338711
	0.222456	2.215254	0.028065	0.337898
	0.174377	2.217922	0.027879	0.337238
	0.257305	2.216573	0.027973	0.337645
	0.156086	2.216377	0.027987	0.337663
DENND6A;ABHD6;SLMAP;IL17RD;FLNB	-0.2748	-2.21472	0.028102	0.338092
	0.255777	2.215377	0.028056	0.337887
	-0.23328	-2.21533	0.02806	0.337887
	-0.20956	-2.21736	0.027918	0.337461
	0.241137	2.220004	0.027735	0.336708
	0.231342	2.219927	0.02774	0.336718
	-0.20728	-2.21678	0.027959	0.337622
ZSCAN23;HIST1H4K;HIST1H4J	0.242077	2.218639	0.027829	0.337078
C1orf216	-0.17637	-2.21416	0.028142	0.338282
ZBTB9	0.203756	2.218513	0.027838	0.337078
ENSG00000214198;GLT8D2;TXNRD1	-0.29563	-2.21298	0.028224	0.338539
	0.144587	2.213353	0.028198	0.338452
	-0.34923	-2.2187	0.027825	0.337078
LAMTOR5	0.198265	2.214205	0.028139	0.338282
	0.20568	2.216169	0.028001	0.337663
	0.149301	2.213765	0.028169	0.338422
	0.282931	2.21463	0.028109	0.338131
	-0.2687	-2.21041	0.028405	0.339188
	0.138868	2.217245	0.027926	0.337461
	0.227882	2.218239	0.027857	0.337143
	-0.1524	-2.21643	0.027983	0.337663
FBXW9;CACNA1A	0.455932	2.212076	0.028288	0.338819
	-0.34739	-2.21631	0.027991	0.337663
	0.258683	2.21941	0.027776	0.336875
	0.217033	2.218481	0.02784	0.337078
	0.233597	2.219695	0.027756	0.336779
	-0.20418	-2.21296	0.028226	0.338539
	0.221458	2.217928	0.027879	0.337238
RSG1;DNAJC16;DDI2	-0.35593	-2.21243	0.028263	0.338692
	-0.23528	-2.21734	0.027919	0.337461
	-0.36473	-2.21258	0.028252	0.338664
	-0.19491	-2.21501	0.028082	0.338026
	-0.21938	-2.21655	0.027975	0.337645
	-0.3186	-2.21844	0.027843	0.337078
	-0.17642	-2.21688	0.027952	0.337579
VAMP8;MRPL35	-0.29813	-2.21868	0.027826	0.337078
	-0.14482	-2.21722	0.027928	0.337461
	0.404763	2.217462	0.027911	0.337425

RAD51	0.232699	2.216286	0.027993	0.337663
UBE2H;COPG2	-0.315	-2.21873	0.027823	0.337078
CEP44	-0.43112	-2.21218	0.02828	0.338769
RERE	-0.2424	-2.21159	0.028322	0.338953
GNL3	-0.21639	-2.21686	0.027953	0.337585
	0.184015	2.216941	0.027947	0.337538
	-0.33514	-2.21482	0.028096	0.338053
	0.17115	2.218449	0.027842	0.337078
	-0.2623	-2.21565	0.028038	0.337826
	0.236803	2.217226	0.027928	0.337461
	-0.1907	-2.21552	0.028047	0.337887
	0.195089	2.217067	0.027939	0.337507
	0.243629	2.216237	0.027996	0.337663
	-0.26114	-2.21587	0.028022	0.337743
	0.211094	2.218703	0.027825	0.337078
	-0.34338	-2.21579	0.028028	0.337766
STAT5B;CNTD1;STAT5A;ATP6V0A1;FKBP10;COASY	-0.34205	-2.2191	0.027797	0.336997
	0.159894	2.217779	0.027889	0.337311
ENSG00000260977;EPCAM;SOCS5	0.259724	2.215835	0.028025	0.33775
	-0.22104	-2.2146	0.028111	0.338149
C1QTNF1;TIMP2;TMC8;ENSG00000178404;TNRC6C	-0.19338	-2.21666	0.027967	0.337622
TSTA3;GPIHBP1	-0.20584	-2.21546	0.02805	0.337887
	-0.1586	-2.21738	0.027917	0.337461
	-0.35103	-2.21994	0.027739	0.336714
	0.110487	2.217236	0.027927	0.337461
EIF4E2;SCARNA5;SCARNA6	0.260551	2.21619	0.028	0.337663
	0.34472	2.219704	0.027755	0.336779
SPOCK2;PRF1	0.281817	2.218534	0.027837	0.337078
THBS2	-0.3503	-2.21736	0.027918	0.337461
	0.215862	2.211302	0.028343	0.339016
TMC8	0.196254	2.215321	0.02806	0.337887
	0.169418	2.217764	0.02789	0.337311
	-0.1144	-2.21442	0.028124	0.338227
CCDC167;SRPK1;PI16;MAPK13	0.177338	2.212157	0.028282	0.33877
	0.412803	2.219049	0.027801	0.336997
	0.219505	2.214414	0.028124	0.338227
ENSG00000244300;GATA2;COPG1;RPN1;RUVBL1	-0.35769	-2.20902	0.028504	0.339411
	-0.16213	-2.21443	0.028123	0.338227
	-0.21837	-2.21269	0.028245	0.338623
	0.118658	2.218953	0.027808	0.337014
TAPBP;GPSM3;TAP1	-0.25826	-2.21922	0.027789	0.336933
	-0.17901	-2.21199	0.028294	0.338824
	0.183036	2.217469	0.027911	0.337425
	0.278671	2.217118	0.027935	0.337485
	-0.33953	-2.20965	0.028459	0.339272
	0.23347	2.20815	0.028566	0.339706
	0.270302	2.216756	0.02796	0.337622

AKR7A2;ARHGEF10L;KLHDC7A	0.380566	2.209967	0.028437	0.339235
	0.121671	2.218379	0.027847	0.337078
	-0.14401	-2.21849	0.027839	0.337078
	0.310271	2.216625	0.027969	0.337633
	-0.27012	-2.21737	0.027918	0.337461
	-0.21627	-2.20205	0.029002	0.341328
	0.261956	2.217658	0.027898	0.337338
	-0.28806	-2.2185	0.027839	0.337078
	-0.27974	-2.216	0.028013	0.337711
	0.275533	2.213729	0.028172	0.33843
	-0.30266	-2.21819	0.027861	0.337167
	-0.23331	-2.21573	0.028032	0.337783
RASAL3;ENSG00000141854	0.396118	2.220404	0.027707	0.336614
	0.207215	2.215384	0.028056	0.337887
	-0.171	-2.21394	0.028157	0.338324
DIP2C;PRR26;IDI1	0.262003	2.211517	0.028327	0.338981
	0.275923	2.217161	0.027932	0.337467
	-0.2613	-2.21489	0.02809	0.338043
	-0.16411	-2.21324	0.028206	0.338481
	0.250447	2.218815	0.027817	0.337064
	0.206848	2.218256	0.027856	0.337138
	0.202477	2.214912	0.028089	0.338043
	0.119655	2.213851	0.028163	0.338368
	-0.26643	-2.21822	0.027858	0.33715
	0.171164	2.210918	0.02837	0.339112
TRPM2	-0.2975	-2.21478	0.028099	0.338074
	0.261811	2.216014	0.028012	0.337711
	0.129214	2.218873	0.027813	0.33703
	-0.17941	-2.21732	0.027921	0.337461
	-0.37034	-2.21372	0.028173	0.33843
TMPRSS3;SLC37A1;LINC00111;RSPH1;ENSG00000237989;LINC00479;ENSG00000225431;ENSG00000235772;UMODL1;TMPRSS2;C21orf128;CBS;TFF3;ZNF295-AS1	-0.32335	-2.21726	0.027925	0.337461
ENSG00000272841	0.339608	2.209027	0.028503	0.339411
	0.128606	2.216	0.028013	0.337711
RPRD1B	-0.32125	-2.21418	0.02814	0.338282
	0.193864	2.213151	0.028213	0.338511
RNU7-101P	0.174891	2.218276	0.027855	0.337131
PSMB8;TAP1	0.176167	2.216192	0.028	0.337663
	-0.16993	-2.21536	0.028058	0.337887
	0.294023	2.215859	0.028023	0.337743
	0.261458	2.218039	0.027871	0.337224
	0.172051	2.212956	0.028226	0.338539
	0.227766	2.212058	0.028289	0.338822
	0.235583	2.217243	0.027926	0.337461
	0.186322	2.212688	0.028245	0.338623
	0.190024	2.216585	0.027972	0.337645

LYPD5	-0.22575	-2.21615	0.028002	0.337665
	0.218317	2.214049	0.02815	0.338314
	-0.30821	-2.21381	0.028167	0.338397
	-0.25221	-2.21586	0.028023	0.337743
	-0.44207	-2.21776	0.02789	0.337311
	0.262117	2.211634	0.028319	0.338951
	0.178658	2.21158	0.028323	0.338953
ZDHHC13;TSG101	-0.24314	-2.21853	0.027837	0.337078
	0.1218	2.209894	0.028442	0.339247
	-0.24354	-2.21575	0.02803	0.337777
	0.278731	2.215433	0.028053	0.337887
PNP	-0.20307	-2.2156	0.028041	0.33783
C14orf79;ENSG00000260285;ADSSL1;INF2;KIF26A;CKB;ENSG00000258534	-0.22427	-2.20775	0.028594	0.339845
SPINT1;RHOV;DLL4;C15orf52;RPUSD2;SRP14;GPR176;C15orf56	-0.32315	-2.21154	0.028326	0.338975
	0.142734	2.217129	0.027934	0.337485
	0.273347	2.215281	0.028063	0.337887
B4GALT4;ARHGAP31;TMEM39A;ADPRH	-0.24123	-2.21298	0.028225	0.338539
	0.249314	2.216335	0.02799	0.337663
	0.166636	2.214858	0.028093	0.338052
TMEM80	0.19866	2.216667	0.027967	0.337622
KL	0.335523	2.216677	0.027966	0.337622
NECAP2;PADI1	-0.35065	-2.20619	0.028705	0.340229
THBS2;PHF10	0.306179	2.214005	0.028153	0.338314
	-0.15251	-2.21832	0.027851	0.337111
	0.357783	2.214924	0.028088	0.338043
	0.271081	2.215332	0.02806	0.337887
	0.365629	2.216113	0.028005	0.337682
	0.174503	2.208417	0.028547	0.339604
	0.278002	2.214659	0.028107	0.338125
	0.242238	2.216366	0.027987	0.337663
	0.286297	2.215438	0.028052	0.337887
	-0.12988	-2.21563	0.028039	0.337828
	0.235755	2.214959	0.028086	0.338043
	-0.21192	-2.21671	0.027963	0.337622
COLCA1	-0.18325	-2.21136	0.028339	0.338995
IGSF9B	-0.1798	-2.21646	0.027981	0.337663
	-0.27991	-2.21705	0.02794	0.337507
ZNF542;EPS8L1	-0.20033	-2.21522	0.028067	0.337907
	0.167086	2.211419	0.028334	0.338985
	-0.2202	-2.21707	0.027938	0.337507
TOP2A;THRA	-0.39635	-2.21481	0.028096	0.338053
	-0.26445	-2.21353	0.028186	0.33844
	0.185134	2.203723	0.028881	0.340825
GRASP;ACVRL1;ACVR1B	0.220898	2.213601	0.028181	0.33844
EMR2;ENSG00000267582	-0.14794	-2.21669	0.027965	0.337622

	-0.29987	-2.21231	0.028272	0.338728
NOS2;LYRM9;SLC13A2	-0.49117	-2.21404	0.02815	0.338314
	-0.25592	-2.21301	0.028223	0.338539
	-0.32258	-2.21871	0.027825	0.337078
	-0.17775	-2.21625	0.027995	0.337663
GJC1;MPP2;GPATCH8;PLCD3;FZD2	0.185595	2.213193	0.02821	0.338495
	0.200247	2.214145	0.028143	0.338282
	-0.25823	-2.21428	0.028133	0.338255
COTL1;ATP2C2;IRF8;ENSG00000261471;USP10	-0.29144	-2.2167	0.027964	0.337622
BLM	-0.26814	-2.21685	0.027954	0.337589
	0.250417	2.214047	0.02815	0.338314
	-0.27905	-2.21489	0.02809	0.338043
	0.278749	2.213531	0.028186	0.33844
TAP2;C6orf10	0.234344	2.213419	0.028194	0.33845
	0.191871	2.212344	0.028269	0.338726
	-0.25752	-2.2075	0.028612	0.339928
DYRK1B	-0.34784	-2.21576	0.02803	0.337777
	-0.18372	-2.21013	0.028425	0.339206
GSK3A	0.153153	2.206782	0.028663	0.34016
	0.229452	2.209865	0.028444	0.33925
	0.211784	2.214531	0.028116	0.338178
	0.189983	2.213579	0.028182	0.33844
	0.176843	2.214752	0.0281	0.338085
	0.291304	2.216534	0.027976	0.337645
EFCAB11;CALM1;TDP1;TTC7B;GPR68	-0.28181	-2.21626	0.027995	0.337663
ITGA11;PIAS1;AAGAB	-0.26634	-2.21349	0.028188	0.33844
	0.256908	2.214006	0.028152	0.338314
	0.170608	2.217597	0.027902	0.337349
CAMTA1;HES2;ESPN;GPR153	0.202768	2.20938	0.028478	0.339339
	0.163796	2.211208	0.028349	0.339046
	-0.22126	-2.21404	0.02815	0.338314
	-0.15373	-2.21449	0.028118	0.338198
	0.130948	2.212937	0.028228	0.338539
	-0.12207	-2.20896	0.028508	0.339413
	-0.32453	-2.21335	0.028199	0.338452
	-0.32577	-2.21518	0.02807	0.337923
	0.265087	2.210885	0.028372	0.339131
	-0.19032	-2.21348	0.028189	0.33844
	0.118665	2.210178	0.028422	0.339206
AZIN1	-0.29503	-2.21764	0.027899	0.337338
WDR24;LMF1;PIGQ;FBXL16	0.282938	2.213428	0.028193	0.33845
	-0.25217	-2.21583	0.028025	0.33775
	-0.23574	-2.21354	0.028185	0.33844
	-0.23485	-2.21592	0.028019	0.337741
	0.135939	2.214355	0.028128	0.338252
	0.15879	2.215441	0.028052	0.337887
PHLPP1;BCL2	-0.36162	-2.2156	0.028041	0.33783

	-0.30741	-2.21866	0.027828	0.337078
	-0.19912	-2.20666	0.028672	0.340179
	-0.19954	-2.21579	0.028028	0.337766
	0.154621	2.216047	0.02801	0.337699
	0.20664	2.211048	0.028361	0.339097
	0.320572	2.21512	0.028074	0.337965
	-0.16271	-2.20729	0.028627	0.339991
SLC7A5	0.212701	2.213571	0.028183	0.33844
	-0.17128	-2.2136	0.028181	0.33844
ADAM23;INO80D	0.267114	2.210622	0.028391	0.339168
TRBC2;FAM115C;KEL	0.220593	2.212208	0.028279	0.338769
MISP;MOB3A;HMHA1;ARID3A;MEX3D;ABHD17A;C19orf25;SHC2	-0.37831	-2.21204	0.028291	0.338822
TTC39A;DMRTA2	0.332441	2.213484	0.028189	0.33844
	0.127147	2.212309	0.028272	0.338728
DNMBP;ERLIN1;ENTPD7	0.163753	2.212384	0.028266	0.338711
SECTM1	0.209424	2.213977	0.028155	0.338319
	0.230503	2.212461	0.028261	0.338674
	-0.3634	-2.21498	0.028084	0.338039
IKZF3	-0.16997	-2.2116	0.028321	0.338951
	0.186919	2.21316	0.028212	0.338511
	0.488185	2.205287	0.02877	0.340374
TBC1D10C;PTPRCAP;ADRBK1;FAM86C2P	0.242145	2.2151	0.028076	0.337972
	-0.19167	-2.21542	0.028054	0.337887
SEPT4;LPO;VEZF1;MRPS23;ENSG00000263004	-0.28874	-2.21387	0.028162	0.338368
	-0.16954	-2.21337	0.028197	0.338452
ENSG00000233936;LINC00094	0.213415	2.212939	0.028227	0.338539
	-0.17054	-2.21367	0.028176	0.33844
SNX29;TXNDC11	-0.33709	-2.21529	0.028063	0.337887
	-0.16092	-2.20928	0.028485	0.339373
	-0.19783	-2.21348	0.028189	0.33844
PPP1R18;GABBR1;PPP1R10;DHX16;PPP1R11	-0.37196	-2.21151	0.028328	0.338981
	0.322514	2.215291	0.028063	0.337887
	0.158497	2.207551	0.028608	0.339919
	-0.4256	-2.20946	0.028472	0.339325
	0.124812	2.210644	0.028389	0.339168
SCEL	0.312408	2.207371	0.028621	0.339982
	0.22897	2.213282	0.028203	0.338481
	0.258769	2.215186	0.02807	0.337923
IL1RN;SLC20A1	0.197782	2.214528	0.028116	0.338178
HIST1H2BB;HIST1H3A;HIST1H2AB	0.269671	2.216197	0.027999	0.337663
	0.269755	2.21163	0.028319	0.338951
	-0.24075	-2.21216	0.028282	0.33877
	0.223664	2.207324	0.028624	0.339983
	0.260245	2.213119	0.028215	0.338528
SMOC2;DACT2;MLLT4;FGFR1OP	-0.2061	-2.21248	0.02826	0.338674
	-0.24455	-2.21485	0.028094	0.338052

	-0.13183	-2.21465	0.028107	0.338125
	0.100439	2.21083	0.028376	0.339149
	-0.09645	-2.21041	0.028405	0.339188
	-0.12429	-2.20644	0.028687	0.340179
	-0.40045	-2.21289	0.028231	0.338557
SDHB	0.224832	2.21268	0.028246	0.338623
	0.224284	2.209909	0.028441	0.339247
	0.21409	2.206658	0.028672	0.340179
TTC5;CCNB1IP1;ENSG00000258768;SALL2;RPPH1;APEX1;NDRG2;ANG	-0.24424	-2.20486	0.0288	0.34052
ENSG00000260604;BPHL;ENSG00000272320;SLC22A23;ENSG00000228793;SERPINB6	-0.34096	-2.21218	0.028281	0.338769
	0.184936	2.211662	0.028317	0.338951
	0.223518	2.209223	0.02849	0.339385
	0.249138	2.211926	0.028299	0.338844
	0.192903	2.211349	0.028339	0.338995
	0.233777	2.212838	0.028234	0.338588
	0.201914	2.216459	0.027981	0.337663
	0.272426	2.213415	0.028194	0.33845
	0.19829	2.214035	0.02815	0.338314
CLDN7;BCL6B;ALOX12P2;ACAP1;POLR2A;TNFSF12;MYH10	-0.2514	-2.21187	0.028303	0.338871
	-0.187	-2.20809	0.02857	0.339713
GNG7;GNA15;ZNF57;SCAMP4;OAZ1;AES	-0.4115	-2.21129	0.028344	0.339018
RHOH;NSUN7	0.288453	2.213613	0.02818	0.33844
	-0.27307	-2.21562	0.028039	0.337828
	0.428663	2.213512	0.028187	0.33844
PCYT1A	0.228978	2.216246	0.027996	0.337663
	-0.30406	-2.21701	0.027943	0.337509
	0.195331	2.213376	0.028197	0.338452
	-0.26057	-2.21118	0.028351	0.339055
	0.105025	2.210062	0.02843	0.339217
	0.219106	2.212759	0.02824	0.338607
SRD5A1;KIAA0947;ENSG00000272520	-0.34429	-2.21101	0.028363	0.339097
ITGAL;ITGAX	-0.21877	-2.21394	0.028157	0.338324
KIF21B;PTPN7;TMEM9	-0.30826	-2.21402	0.028152	0.338314
TBC1D10C;GSTP1;TCIRG1;ADRBK1;UNC93B1;ALDH3B1;PTPRCAP;PPP6R3	-0.30969	-2.21528	0.028063	0.337887
	-0.31298	-2.20961	0.028462	0.33929
	0.145082	2.210714	0.028384	0.339163
	-0.18959	-2.21033	0.028411	0.339188
	0.170612	2.214728	0.028102	0.338092
	0.279764	2.208591	0.028534	0.339504
	0.224074	2.208972	0.028507	0.339413
	0.174485	2.205238	0.028773	0.340379
AIM1	0.296438	2.214976	0.028085	0.338039
SRSF9;OASL;COX6A1;TRIAP1;CCDC64	-0.25998	-2.21145	0.028332	0.338985

RIN3	-0.31493	-2.21054	0.028396	0.339168
	0.252325	2.209031	0.028503	0.339411
	0.14889	2.210946	0.028368	0.339104
	0.151559	2.209442	0.028474	0.339329
SCNN1A;NTF3;IFFO1;ENSG00000257084;C1R	-0.23146	-2.21259	0.028252	0.338664
	-0.17872	-2.21188	0.028302	0.338871
	-0.11617	-2.2093	0.028484	0.339367
	0.25951	2.215281	0.028063	0.337887
BIN1;MYO7B;ENSG00000236682	-0.26949	-2.20914	0.028496	0.339396
	0.204494	2.20879	0.02852	0.339441
	0.361707	2.213557	0.028184	0.33844
	0.11663	2.216414	0.027984	0.337663
	0.180358	2.210013	0.028434	0.339232
	0.179231	2.211832	0.028305	0.338878
	-0.29265	-2.21434	0.028129	0.338252
	0.263646	2.21399	0.028154	0.338318
	0.269481	2.204329	0.028838	0.340685
	-0.39426	-2.20715	0.028637	0.34006
FHL3	0.179681	2.210719	0.028384	0.339163
TBC1D10C;CTSW;GSTP1;ALDH3B2;PITPNM1;RBM14;SPTBN2	-0.34977	-2.20979	0.028449	0.339266
	-0.25898	-2.21053	0.028397	0.339168
BAK1;HLA-DOB	-0.15219	-2.20672	0.028667	0.340178
	0.135344	2.213193	0.02821	0.338495
CERCAM;PKN3;DNM1;ODF2	0.214759	2.210078	0.028429	0.339217
	0.126431	2.202203	0.028991	0.341322
KLHDC7A;PADI2	-0.2838	-2.21115	0.028353	0.339059
	0.176194	2.208232	0.02856	0.339682
	0.257271	2.209437	0.028474	0.339329
	-0.26172	-2.20838	0.028549	0.339616
SP140	0.280959	2.2036	0.02889	0.340864
	0.23235	2.206573	0.028678	0.340179
	0.123534	2.208296	0.028555	0.339668
	0.154112	2.212971	0.028225	0.338539
SLC9A3;ENSG00000188242;CEP72	0.355078	2.210655	0.028388	0.339168
ABCA8;ABCA6;ABCA10	-0.31731	-2.21323	0.028207	0.338481
	0.270491	2.209571	0.028465	0.339301
	0.235608	2.214268	0.028134	0.338255
	0.190782	2.215051	0.028079	0.338005
	-0.13314	-2.21146	0.028331	0.338985
	0.150138	2.210545	0.028396	0.339168
	0.230527	2.208634	0.028531	0.339495
NEU3	0.196543	2.210319	0.028412	0.339188
	0.426491	2.216544	0.027975	0.337645
	0.410877	2.213622	0.028179	0.33844
	0.242038	2.210401	0.028406	0.339188
	0.221264	2.208648	0.02853	0.339494

	-0.24465	-2.20903	0.028503	0.339411
LCNL1;RNF208;ENSG00000235117;UAP1L1	-0.20018	-2.20444	0.02883	0.340669
	-0.34607	-2.20654	0.02868	0.340179
	0.403353	2.21533	0.02806	0.337887
	-0.21537	-2.2106	0.028392	0.339168
	-0.25879	-2.2105	0.028399	0.339173
	0.329927	2.21057	0.028394	0.339168
	0.193984	2.210537	0.028397	0.339168
PANK2;RASSF2;ENSG00000233578	0.443669	2.214447	0.028122	0.338227
EGFLAM;DAB2;LIFR;OSMR	0.347264	2.210229	0.028418	0.339206
	0.146335	2.20878	0.028521	0.339441
MAP3K13	-0.15545	-2.20538	0.028763	0.340374
	-0.25812	-2.21386	0.028163	0.338368
VN2R11P;HMHA1	0.277497	2.211422	0.028334	0.338985
TMEM219	0.292246	2.210831	0.028376	0.339149
TRMT10A	0.393782	2.213037	0.02822	0.338539
SEC61G;CCT6A;CHCHD2	0.249184	2.213729	0.028172	0.33843
IGFBP4;KRT23;MIEN1;ERBB2;THRA;MED24;NR1D1	-0.29901	-2.21308	0.028218	0.338539
	0.303664	2.212807	0.028237	0.338601
	-0.16028	-2.21486	0.028093	0.338052
	0.253156	2.212027	0.028292	0.338822
	0.192522	2.209615	0.028462	0.33929
	-0.14229	-2.20971	0.028455	0.339272
	-0.16659	-2.20422	0.028846	0.340695
RBM23;CDH24;ADCY4;GMPR2;RIPK3;DHRS4-AS1;EFS	-0.17667	-2.20574	0.028737	0.340298
KIAA0125;AHNAK2;GPR132;IGHJ3P;IGHG1;IGHA1;IGHG2;IGHV3-21;IGHG4;IGHM;IGHV1-2;IGHG3;IGHV4-34;IGHV3-23;C14orf79;IGHA2;INF2;IGHGP;ADSSL1;IGHV3-15	-0.318	-2.21069	0.028386	0.339168
	0.148475	2.212758	0.02824	0.338607
	0.295322	2.21101	0.028363	0.339097
	0.38961	2.213345	0.028199	0.338452
	0.154976	2.213543	0.028185	0.33844
ENSG00000229951;SUPT7L;EMILIN1;KRTCAP3	-0.22939	-2.21165	0.028318	0.338951
LCK	0.251135	2.20938	0.028478	0.339339
IQCE;HEATR2;PRKAR1B;SUN1	-0.16487	-2.20892	0.028511	0.339415
MFNG;C22orf23	-0.25086	-2.2121	0.028286	0.338808
	0.265086	2.212903	0.02823	0.338557
	0.225486	2.205762	0.028736	0.340289
ADAMTSL2;SARDH;AK8;GBGT1;LINC00094;C9orf171;C9orf9;SLC2A6;CACFD1;SURF2;RALGDS;GTF3C5;MED22;SURF6	-0.17245	-2.20682	0.02866	0.340141
PHLPP2;ST3GAL2;COG4;NQO1;MARVELD3;CMTR2;IL34	0.210576	2.210378	0.028408	0.339188
	-0.16523	-2.20887	0.028515	0.339435
	0.272248	2.208059	0.028572	0.339722
PIWIL4	-0.32274	-2.21176	0.028311	0.338909
	-0.25474	-2.21182	0.028306	0.338878

	-0.19455	-2.21192	0.028299	0.338844
	0.172623	2.21023	0.028418	0.339206
	-0.21164	-2.21283	0.028235	0.338588
	-0.15891	-2.20583	0.028731	0.34027
SP140;SP110;SP100;GPR55;SP140L	0.341862	2.212992	0.028224	0.338539
	0.340664	2.207326	0.028624	0.339983
	0.199438	2.213014	0.028222	0.338539
	0.215466	2.211814	0.028306	0.338878
	0.332341	2.210012	0.028434	0.339232
LCK;SDC3;DCDC2B;TINAGL1;MTMR9LP;ZBTB8A	-0.25199	-2.20809	0.02857	0.339713
NOVA2	-0.20443	-2.21324	0.028207	0.338481
	0.617571	2.21105	0.02836	0.339097
	-0.32826	-2.21058	0.028394	0.339168
	0.096787	2.205526	0.028752	0.340374
ZNRD1	0.255864	2.209549	0.028466	0.339301
	-0.13275	-2.20299	0.028934	0.341072
	0.265382	2.206947	0.028651	0.340087
CARD8;HRC;RASIP1;PLA2G4C	0.201935	2.210727	0.028383	0.339163
	0.260891	2.212036	0.028291	0.338822
	-0.12943	-2.21232	0.028271	0.338728
	0.212299	2.20763	0.028603	0.339891
	-0.35503	-2.21037	0.028408	0.339188
	-0.28165	-2.21344	0.028192	0.33845
	-0.22171	-2.21247	0.028261	0.338674
LCK	0.190734	2.211983	0.028295	0.338824
	-0.16842	-2.21161	0.028321	0.338951
	0.245065	2.21177	0.02831	0.338906
	-0.20408	-2.21109	0.028357	0.339096
	0.27352	2.210993	0.028364	0.339097
ING2	0.376205	2.210758	0.028381	0.339163
	-0.21999	-2.21027	0.028415	0.339206
	-0.20766	-2.21013	0.028426	0.339206
SIRPG;NSFL1C	0.215624	2.210121	0.028426	0.339206
	0.219963	2.206191	0.028705	0.340229
	-0.25537	-2.21063	0.02839	0.339168
	-0.15194	-2.20936	0.02848	0.339339
	-0.22356	-2.20885	0.028516	0.339435
	-0.29905	-2.21361	0.02818	0.33844
	-0.5497	-2.2125	0.028258	0.338674
PTP4A3;DENND3;AGO2	-0.24199	-2.20431	0.028839	0.340685
	0.234413	2.205394	0.028762	0.340374
MAP7;IL20RA;MYB;PEX7;BCLAF1	-0.32743	-2.20878	0.028521	0.339441
	0.408779	2.209543	0.028467	0.339301
	0.289616	2.206751	0.028665	0.34016
	0.328149	2.212744	0.028241	0.338607
	0.189328	2.200639	0.029103	0.341682
	-0.31175	-2.21106	0.028359	0.339097

	0.173223	2.210984	0.028365	0.339097
ATRN	0.268232	2.208606	0.028533	0.339501
	0.258118	2.212554	0.028254	0.338664
GNG7;ZNF57;GIPC3;GNA15;S1PR4;MATK;AES;TJP3	-0.30777	-2.21239	0.028266	0.338711
BTG4;POU2AF1;C11orf88;ENSG00000255208;ENSG00000255093;ENSG00000254980;ENSG00000255428;MIR34C;COLCA1;COLCA2	-0.22858	-2.20992	0.02844	0.339247
ASS1P1	0.379714	2.211979	0.028295	0.338824
	0.232123	2.206014	0.028718	0.340234
PTPRG	0.272995	2.204934	0.028795	0.3405
	0.194068	2.209661	0.028459	0.339272
SNORA74A	0.257601	2.210123	0.028426	0.339206
	0.261309	2.213288	0.028203	0.338481
EXOC3L4;TNFAIP2	-0.28808	-2.21045	0.028402	0.339188
	-0.29681	-2.20978	0.02845	0.339266
	-0.18274	-2.20775	0.028594	0.339845
	-0.41608	-2.21025	0.028417	0.339206
	0.257917	2.210634	0.02839	0.339168
	-0.31856	-2.21226	0.028275	0.33876
	-0.29498	-2.21256	0.028254	0.338664
MYO1F;PRAM1	-0.24725	-2.20074	0.029096	0.341671
	0.232947	2.212193	0.02828	0.338769
APBA2;RPL41P2;OCA2	0.250132	2.211691	0.028315	0.338951
	0.14223	2.211161	0.028353	0.339059
	0.132995	2.20918	0.028493	0.339392
	0.258437	2.213639	0.028178	0.33844
	0.165369	2.208384	0.028549	0.339616
	0.341338	2.208165	0.028565	0.339706
	-0.29483	-2.21161	0.028321	0.338951
	-0.24021	-2.20968	0.028457	0.339272
	-0.26279	-2.21125	0.028346	0.339024
CACNA1I;FAM227A;CBY1	-0.44168	-2.20722	0.028632	0.340036
	0.119473	2.207319	0.028625	0.339983
	-0.27287	-2.20992	0.02844	0.339247
	0.300869	2.206819	0.02866	0.340141
	-0.18378	-2.20581	0.028732	0.340275
IDH1;KLF7;PLEKHM3	-0.27814	-2.21247	0.028261	0.338674
	-0.20097	-2.2114	0.028336	0.338985
ZDHHC4	-0.13821	-2.20917	0.028493	0.339392
TNRC6C;C1QTNF1;TIMP2;TMC8;ENSG00000178404;TK1	-0.61397	-2.21275	0.028241	0.338607
	-0.22355	-2.21222	0.028278	0.338769
	0.239422	2.209896	0.028442	0.339247
	0.140969	2.207769	0.028593	0.339845
PPP1R15A	0.151846	2.209223	0.02849	0.339385
	0.203726	2.210988	0.028365	0.339097
TRAP1	-0.3129	-2.21079	0.028379	0.339161
	0.179155	2.208122	0.028568	0.339706

		0.253734	2.197994	0.029295	0.342384
TMEM17;MDH1;B3GNT2		0.291213	2.205271	0.028771	0.340374
HCP5;HLA-B;MICB;PPP1R10;HLA-DRA;HSPA1A;PPP1R18;GPSM3;HLA-C;HSPA1B		0.318834	2.212578	0.028253	0.338664
		-0.18029	-2.20927	0.028486	0.339373
		0.215444	2.210341	0.02841	0.339188
		0.243844	2.211842	0.028305	0.338878
IL32;HN1L;HAGH;HS3ST6;IFT140;CCDC64B;ENSG00000205890;ENSG00000262370;ENSG00000272079		-0.33764	-2.21264	0.028248	0.338644
		-0.31778	-2.21301	0.028222	0.338539
		-0.25049	-2.20658	0.028677	0.340179
		-0.23167	-2.20389	0.02887	0.340771
		0.186881	2.210856	0.028374	0.339146
LYAR		0.160725	2.197774	0.029311	0.342402
		0.264277	2.210498	0.028399	0.339173
		-0.1343	-2.20983	0.028446	0.33925
	37681	-0.20209	-2.2073	0.028626	0.339988
		0.297154	2.210243	0.028417	0.339206
		-0.22732	-2.20947	0.028472	0.339325
		0.20891	2.208667	0.028529	0.339494
		-0.2446	-2.20972	0.028454	0.339272
SLC39A7;PSMB8;HLA-DMB;PSMB9;HLA-DMA;HLA-DRA;TAP1;TAPSAR1		0.226467	2.202359	0.028979	0.341285
PLBD2;TBX3;TBX5;IQCD;DTX1		-0.32025	-2.19687	0.029377	0.342662
TICRR;HMGB1P8;FANCI;HAPLN3		-0.35558	-2.20467	0.028814	0.340593
		-0.24703	-2.20794	0.028581	0.339791
EPB41L4B;IKBKAP		0.298154	2.212541	0.028255	0.338664
SYT5;ZNF471		0.478165	2.203476	0.028899	0.340913
C1QTNF2;FABP6;EBF1;ENSG00000247699;ENSG00000253811		0.181667	2.203323	0.02891	0.340966
		0.123294	2.208242	0.028559	0.339682
		-0.17245	-2.20904	0.028503	0.339411
		0.218028	2.208438	0.028545	0.339595
		0.263579	2.210125	0.028426	0.339206
		-0.34386	-2.21071	0.028384	0.339163
		-0.15643	-2.2078	0.02859	0.339845
		-0.12015	-2.1994	0.029193	0.34207
		-0.20811	-2.21125	0.028346	0.339024
		0.254238	2.211332	0.02834	0.339
FES;PEX11A		-0.30658	-2.2039	0.028868	0.340767
		-0.40741	-2.21339	0.028196	0.338452
		0.18583	2.211426	0.028334	0.338985
		0.140769	2.207632	0.028602	0.339891
		0.231807	2.209758	0.028452	0.339266
		0.218584	2.209963	0.028437	0.339235
ENSG00000231826;PLEKHH2;HAAO		-0.28798	-2.20998	0.028436	0.339235
PKDREJ;CERK		0.633665	2.212551	0.028255	0.338664

	-0.20362	-2.20882	0.028518	0.339441
	-0.16367	-2.20443	0.028831	0.340669
SPOCK2	0.274294	2.2095	0.02847	0.339324
LAMA2;EPB41L2;SAMD3	-0.37634	-2.20913	0.028496	0.339396
	0.283227	2.209834	0.028446	0.33925
	-0.14273	-2.20112	0.029068	0.341624
ZDHHC11	0.291883	2.210179	0.028422	0.339206
	0.255321	2.20636	0.028693	0.340179
	0.269573	2.209848	0.028445	0.33925
	0.238598	2.210939	0.028368	0.339104
	0.230723	2.202021	0.029004	0.341328
	0.202112	2.211275	0.028345	0.33902
	0.21908	2.206956	0.02865	0.340087
PIGU;ERGIC3;DYNLRB1	-0.30405	-2.20659	0.028677	0.340179
	-0.31831	-2.21353	0.028186	0.33844
	0.223684	2.211199	0.02835	0.339046
C17orf58	-0.26475	-2.20935	0.028481	0.339339
	0.192612	2.208318	0.028554	0.339659
	-0.14941	-2.20896	0.028509	0.339413
	0.347597	2.209013	0.028504	0.339411
	0.243199	2.208931	0.02851	0.339415
	-0.22239	-2.21054	0.028396	0.339168
	-0.23073	-2.20913	0.028496	0.339396
	0.12835	2.208136	0.028567	0.339706
GJC1;MEOX1;TMEM106A	-0.18503	-2.20976	0.028452	0.339266
	0.239964	2.205971	0.028721	0.340244
	-0.22276	-2.20694	0.028652	0.340087
	0.275722	2.207951	0.02858	0.339789
	0.151996	2.206498	0.028683	0.340179
	0.217029	2.210362	0.028409	0.339188
	-0.26729	-2.2078	0.02859	0.339845
	-0.33829	-2.20918	0.028492	0.339392
	-0.31114	-2.20655	0.028679	0.340179
ELP5;KCTD11;ARHGEF15;CTC1;ACAP1	-0.2149	-2.20709	0.028641	0.340064
ENSG00000213080;FCGR3B;USF1;MPZ;SDHC;HSPA6;F11R;OLF				
ML2B;PVRL4;NCSTN;COPA;FCER1G	-0.22366	-2.21103	0.028362	0.339097
	0.248057	2.206328	0.028695	0.340197
	0.224007	2.210714	0.028384	0.339163
	0.202286	2.210399	0.028406	0.339188
	0.218871	2.210052	0.028431	0.339217
	0.230646	2.20627	0.028699	0.340213
GBP1	-0.31896	-2.21008	0.028429	0.339217
	-0.15571	-2.20588	0.028727	0.340247
HCP5	0.180141	2.209537	0.028467	0.339301
	-0.25843	-2.20856	0.028536	0.339517
	-0.2281	-2.20895	0.028509	0.339413
SPG20	-0.29276	-2.20879	0.02852	0.339441

	-0.2265	-2.20054	0.02911	0.341703
	-0.28066	-2.21199	0.028294	0.338824
	0.215485	2.206925	0.028653	0.340087
	-0.24423	-2.20968	0.028457	0.339272
	0.1578	2.210797	0.028378	0.339161
	0.198785	2.207671	0.0286	0.339891
	-0.30221	-2.20405	0.028858	0.340753
	0.317626	2.209671	0.028458	0.339272
	0.247782	2.209868	0.028444	0.33925
	0.208814	2.207659	0.028601	0.339891
	0.187227	2.204941	0.028794	0.3405
	-0.2579	-2.20711	0.02864	0.340064
HES2;KCNAB2	-0.31313	-2.21096	0.028367	0.339104
	-0.2274	-2.20543	0.02876	0.340374
	-0.27113	-2.21148	0.02833	0.338985
	0.18488	2.204015	0.02886	0.340753
	-0.2078	-2.20886	0.028515	0.339435
	-0.23318	-2.20793	0.028582	0.339791
	0.242431	2.20907	0.0285	0.339411
	0.234582	2.208648	0.02853	0.339494
ASS1;TOR1A;TOR1B	0.167469	2.207052	0.028644	0.340064
	0.220252	2.20589	0.028726	0.340247
	0.189664	2.20912	0.028497	0.339398
	0.19229	2.201255	0.029059	0.341588
GTF2E2;GSR;RBPMS;KIF13B;HMBOX1;DUSP4	0.294721	2.209988	0.028435	0.339235
	-0.24155	-2.20663	0.028674	0.340179
	0.235062	2.211395	0.028336	0.338985
	0.237282	2.207621	0.028603	0.339891
ENSG00000259901	-0.24812	-2.20568	0.028741	0.340308
	-0.30139	-2.20967	0.028458	0.339272
SNAI2	0.226345	2.207895	0.028584	0.339799
	0.182954	2.208648	0.02853	0.339494
GRIN2C	-0.28864	-2.20614	0.028709	0.340231
	0.243435	2.205319	0.028767	0.340374
	-0.16131	-2.209	0.028505	0.339411
RASAL3;MYO9B	0.274726	2.209592	0.028463	0.339293
	-0.34112	-2.20947	0.028472	0.339325
	0.296065	2.210161	0.028423	0.339206
	0.198894	2.207032	0.028645	0.340064
NFASC;MDM4	-0.2424	-2.20552	0.028753	0.340374
	0.306525	2.204583	0.02882	0.340616
	0.105597	2.2067	0.028669	0.340179
C17orf62	-0.23875	-2.2079	0.028583	0.339799
TSPAN32;NAP1L4;CARS;C11orf21	-0.37189	-2.21019	0.028421	0.339206
MOK;WDR20;MEG3	-0.30631	-2.20938	0.028479	0.339339
	-0.24571	-2.20701	0.028646	0.34007
ARID5A;CNNM4	-0.29231	-2.2055	0.028754	0.340374

	0.241295	2.208476	0.028543	0.339573
	0.238492	2.207365	0.028621	0.339982
COL6A3;RAB17;RBM44;HES6	0.318818	2.206542	0.02868	0.340179
SERPINB1;WRNIP1;SERPINB6;SLC22A23	-0.29984	-2.20753	0.028609	0.339924
FANCA	-0.23773	-2.20235	0.02898	0.341285
	0.142876	2.206031	0.028716	0.340234
RHOH	-0.33838	-2.21141	0.028335	0.338985
	-0.31822	-2.19998	0.029151	0.341936
ISCA2	-0.34221	-2.21098	0.028365	0.339097
EPX;MSI2;MKS1;GDPD1	0.339194	2.204759	0.028807	0.340552
MAPK15	0.155513	2.207618	0.028603	0.339891
CCDC40;TMC8	-0.20698	-2.20644	0.028687	0.340179
ENSG00000225205	0.214249	2.206151	0.028708	0.340231
KXD1;COPE;CCDC124;JUND	0.220906	2.208193	0.028563	0.339698
	-0.16381	-2.20704	0.028645	0.340064
	0.345593	2.20295	0.028937	0.341074
	-0.21881	-2.20646	0.028686	0.340179
	0.161619	2.205894	0.028726	0.340247
EBF3	0.23626	2.207412	0.028618	0.339977
RNPEP;KIF21B;PTPN7;ELF3;CYB5R1;PPP1R12B;CSRP1;LMOD1;N				
AV1;TMEM183A;KDM5B;LGR6;ADIPOR1;SHISA4	-0.19849	-2.20482	0.028803	0.340521
	0.185999	2.210723	0.028383	0.339163
SLC17A9	0.253053	2.211349	0.028339	0.338995
	0.212554	2.209654	0.028459	0.339272
	0.270169	2.208733	0.028524	0.339469
	0.384582	2.20278	0.028949	0.341081
HLA-F;HLA-F-AS1	-0.26876	-2.20776	0.028593	0.339845
	0.194729	2.207514	0.028611	0.339928
	0.27088	2.20339	0.028905	0.340954
DKK3;MICALCL;TEAD1	-0.26888	-2.20364	0.028888	0.340861
CPXM2;CTBP2;GPR26;LHPP;OAT	-0.28631	-2.20637	0.028692	0.340179
	0.290649	2.204929	0.028795	0.3405
SLC7A5	0.214029	2.201696	0.029027	0.341406
	-0.22492	-2.2043	0.02884	0.340685
	0.243015	2.205141	0.02878	0.340433
	-0.18774	-2.20496	0.028793	0.3405
STAB1;SEMA3G;PPM1M;ABHD14B;PBRM1;DOCK3;PCBP4	-0.24153	-2.20524	0.028773	0.340379
ABI3	-0.35314	-2.21055	0.028395	0.339168
TNFRSF14;MEGF6	0.131617	2.207661	0.0286	0.339891
SCARF1;FAM101B;FAM57A;INPP5K	-0.29974	-2.20866	0.028529	0.339494
	-0.21523	-2.20221	0.02899	0.341322
	0.312006	2.206905	0.028654	0.340087
	0.202279	2.205423	0.02876	0.340374
	-0.24582	-2.20852	0.02854	0.339547
STK17A	0.156154	2.210345	0.02841	0.339188
ARHGEF10;MYOM2;CSMD1	0.342487	2.202976	0.028935	0.341072

	0.165946	2.209214	0.02849	0.339385
CD93	0.360597	2.204702	0.028811	0.340581
RASAL3;EMR2	-0.26298	-2.20926	0.028487	0.339376
PRKCQ;IL2RA	-0.33723	-2.20481	0.028804	0.340521
	0.158878	2.20483	0.028802	0.34052
	0.287274	2.210311	0.028413	0.339188
ENSG00000259881;RNF166	0.198821	2.206302	0.028697	0.340204
ZNF334	0.153036	2.205374	0.028763	0.340374
	0.288097	2.206071	0.028714	0.340234
	0.174099	2.201803	0.029019	0.341369
	-0.14181	-2.20785	0.028587	0.339828
EPPIN;CD40;HSPD1P21;WFDC3	0.201152	2.208269	0.028557	0.339677
	-0.17631	-2.20605	0.028715	0.340234
HSH2D;RASAL3	-0.18489	-2.20594	0.028723	0.340247
	-0.20072	-2.20457	0.028821	0.34062
AGAP2;ARHGAP9	0.285072	2.207332	0.028624	0.339983
HTRA1	-0.24106	-2.20707	0.028642	0.340064
SLMO2	-0.35207	-2.20338	0.028906	0.340954
EFHC1;GCLC;TRAM2;GSTA1;TMEM14A;ENSG00000216775;GST A7P;PAQR8;GSTA2	-0.41432	-2.2057	0.02874	0.340302
	0.279321	2.206509	0.028682	0.340179
EVL	-0.22976	-2.20314	0.028923	0.341014
	0.210958	2.206509	0.028682	0.340179
	-0.20318	-2.20589	0.028727	0.340247
HCP5;HLA-B;TAP1;TAP2;HLA-DMA;HLA-DOA;MICB;HLA-DMB;TAPSAR1;HSPA1A;PSMB9	0.251346	2.208262	0.028558	0.339677
	0.275679	2.204255	0.028843	0.340695
	-0.14318	-2.19735	0.029341	0.34251
	-0.28154	-2.2074	0.028619	0.339977
	0.205686	2.204113	0.028853	0.340731
ARHGAP26	0.290109	2.2094	0.028477	0.339339
	0.230699	2.209808	0.028448	0.339262
	0.136588	2.19887	0.029231	0.342154
	0.108395	2.206993	0.028648	0.340078
	-0.19037	-2.20465	0.028815	0.340599
	0.217021	2.208898	0.028513	0.339424
	-0.25057	-2.20636	0.028693	0.340179
	-0.17416	-2.20432	0.028839	0.340685
	0.16398	2.202641	0.028959	0.341129
	-0.20048	-2.20513	0.02878	0.340433
PARP14	-0.20174	-2.20623	0.028702	0.340229
	0.202136	2.207041	0.028644	0.340064
	-0.28348	-2.19848	0.029259	0.342287
	-0.27894	-2.20313	0.028924	0.34102
	0.246573	2.198968	0.029224	0.342154
	0.325393	2.209351	0.02848	0.339339
	0.245379	2.204995	0.02879	0.340494

BAIAP2;RNF213;SLC25A10	0.338221	2.203757	0.028879	0.340825
	0.214468	2.208825	0.028518	0.339441
	-0.17945	-2.20462	0.028817	0.340599
	0.221004	2.207188	0.028634	0.340046
	-0.28399	-2.20814	0.028566	0.339706
	0.200302	2.205905	0.028725	0.340247
	0.344309	2.203104	0.028926	0.341029
	-0.1989	-2.20617	0.028707	0.340231
	0.226963	2.202512	0.028968	0.341201
	0.184429	2.204267	0.028842	0.340695
	0.100323	2.203268	0.028914	0.340987
CTTN;MRGPRF;TPCN2;ENSG00000256508	-0.49883	-2.20486	0.0288	0.34052
	-0.25465	-2.20293	0.028939	0.341074
	-0.18476	-2.21034	0.02841	0.339188
HMBOX1	0.207694	2.203623	0.028889	0.340863
	0.184491	2.205922	0.028724	0.340247
ADCY4;PSME1;PSME2;NEDD8;GMPR2;SLC22A17;GZMB;EFS	-0.25779	-2.20657	0.028678	0.340179
	-0.17193	-2.20444	0.02883	0.340669
	0.318537	2.210191	0.028421	0.339206
KCNA3	-0.25715	-2.20799	0.028577	0.339762
	0.276529	2.207766	0.028593	0.339845
TMEM14B;SYCP2L;TMEM14C;NEDD9;C6orf52	-0.33434	-2.2025	0.028969	0.341202
	0.255236	2.207484	0.028613	0.339928
	0.272843	2.206761	0.028664	0.34016
	-0.33219	-2.20712	0.028639	0.340064
FBLIM1;DNAJC16;KAZN;FHAD1;SPEN;EFHD2	0.237757	2.203784	0.028877	0.340825
	0.186141	2.207501	0.028612	0.339928
LRRC31	-0.22283	-2.20602	0.028717	0.340234
	0.209112	2.206297	0.028697	0.340204
	-0.39524	-2.20592	0.028724	0.340247
	-0.27647	-2.20275	0.028951	0.341083
EGFL7;PTGDS;LCNL1;UAP1L1;TUBB4B	0.345597	2.206419	0.028689	0.340179
	0.23519	2.207211	0.028632	0.340036
GATA2;ENSG00000244300;RUVBL1;COPG1;RPN1;KIAA1257;H1				
FX-AS1;IFT122;ENSG00000187695;EFCAB12	-0.32042	-2.20614	0.028709	0.340231
	0.208121	2.203677	0.028885	0.340845
C6orf120;PSMB1	0.253023	2.200998	0.029077	0.341656
SQRDL	-0.20255	-2.2057	0.02874	0.340302
	0.287499	2.204851	0.028801	0.34052
CARS;MRPL23;MOB2;TSPAN32;NAP1L4;IGF2	-0.29321	-2.20812	0.028568	0.339706
TGFB1I1;ZNF688;SETD1A;C16orf93;PHKG2	-0.18799	-2.19206	0.029728	0.344052
	0.231484	2.206005	0.028718	0.340234
	0.219669	2.207061	0.028643	0.340064
	0.253424	2.20677	0.028664	0.34016
	0.267238	2.202725	0.028953	0.341083
	0.173206	2.205333	0.028766	0.340374

	-0.18406	-2.20064	0.029103	0.341682
	0.278872	2.199644	0.029175	0.341988
STRA13	-0.21121	-2.20665	0.028672	0.340179
	-0.29258	-2.2009	0.029084	0.341665
	0.202216	2.206621	0.028674	0.340179
	0.089072	2.199471	0.029188	0.342043
	0.228522	2.205543	0.028751	0.340374
CASP8;ENSG00000182329;ICA1L;ALS2CR12;ALS2;FZD7;ENSG00000222035;ENSG00000236047;NDUFB3;SUMO1;ENSG00000238770;CASP10	-0.23334	-2.20182	0.029018	0.341368
	0.182951	2.204353	0.028836	0.340685
	0.211976	2.207373	0.028621	0.339982
	0.261838	2.205843	0.02873	0.340268
	0.283856	2.207584	0.028606	0.339909
	0.341323	2.204066	0.028857	0.340752
	0.195375	2.204947	0.028794	0.3405
RIPK1	-0.19093	-2.20691	0.028654	0.340087
	-0.238	-2.20895	0.028509	0.339413
	0.219073	2.203596	0.028891	0.340864
	0.187375	2.20501	0.028789	0.340494
	0.204827	2.204614	0.028818	0.340599
	0.306922	2.205789	0.028734	0.340285
ITGAL;CORO1A	-0.28012	-2.20609	0.028713	0.340234
	0.174481	2.201665	0.029029	0.341417
	-0.22124	-2.20416	0.02885	0.340719
	0.191544	2.205976	0.02872	0.340244
GPSM3;LST1;AIF1	0.256697	2.204126	0.028853	0.34073
	-0.40937	-2.20315	0.028922	0.341014
	-0.175	-2.20523	0.028774	0.340379
	0.150451	2.207171	0.028635	0.340051
	-0.39382	-2.20177	0.029022	0.341391
ENSG00000248441;NR2F2;ENSG00000259763	-0.42939	-2.20531	0.028768	0.340374
	0.208423	2.206456	0.028686	0.340179
RBM33	-0.37486	-2.20655	0.02868	0.340179
LINC00702;PFKP	-0.34141	-2.20644	0.028687	0.340179
	-0.14477	-2.20601	0.028718	0.340234
	-0.37791	-2.20626	0.0287	0.340213
	0.238692	2.203766	0.028878	0.340825
	0.203238	2.206367	0.028692	0.340179
KRT18;ITGB7;KRT7;KRT4;ATP5G2;MAP3K12;KRT8	-0.20658	-2.20637	0.028692	0.340179
	-0.28229	-2.20533	0.028766	0.340374
	0.197797	2.204383	0.028834	0.340685
TMEM14B;MAK;SYCP2L;NEDD9	-0.27113	-2.19701	0.029366	0.342631
	0.234968	2.204666	0.028814	0.340593
	-0.41478	-2.20805	0.028573	0.339722
	-0.34231	-2.20527	0.028771	0.340374
SNTB2;ESRP2;SMPD3;FAM65A	-0.38967	-2.20124	0.02906	0.341588

	0.250798	2.208224	0.02856	0.339682
	0.19884	2.202626	0.02896	0.341133
	0.201659	2.201215	0.029062	0.341595
	0.806843	2.203965	0.028864	0.340753
RCAN3;STPG1;IL22RA1	-0.23323	-2.2054	0.028761	0.340374
	0.293489	2.20621	0.028704	0.340229
	0.332973	2.2064	0.02869	0.340179
	-0.19021	-2.20277	0.02895	0.341081
	-0.17129	-2.20089	0.029085	0.341665
PITPNM2;HCAR2;HCAR3	-0.32608	-2.20348	0.028899	0.340913
PLEKHB2	-0.38231	-2.20065	0.029102	0.341682
ADM2	-0.18001	-2.19507	0.029508	0.343298
ZCCHC24;PPIF;ZMIZ1	-0.24958	-2.20284	0.028945	0.341081
LRRC31	0.262544	2.205445	0.028758	0.340374
	0.244644	2.204368	0.028835	0.340685
TTLL4;RUFY4;STK36	0.277002	2.206067	0.028714	0.340234
	-0.23625	-2.20214	0.028995	0.341328
	0.201972	2.208625	0.028532	0.339495
	0.128223	2.2062	0.028704	0.340229
	0.202441	2.203579	0.028892	0.340864
	0.144454	2.203909	0.028868	0.340767
NBL1;EIF4G3;CAMK2N1;MINOS1	-0.23527	-2.19764	0.02932	0.342429
	0.230356	2.199928	0.029155	0.341946
	0.24046	2.203552	0.028894	0.340867
THSD7A	-0.24749	-2.20357	0.028893	0.340864
	-0.23936	-2.20306	0.028929	0.341058
	-0.17427	-2.20398	0.028863	0.340753
	0.242062	2.206075	0.028713	0.340234
	0.200393	2.195284	0.029492	0.343229
KCND3;ENSG00000231246;RAP1A;SLC16A4;ENSG0000025983				
4;ENSG00000261654;WDR77;C1orf162;LAMTOR5;KCNA3	0.269808	2.204211	0.028846	0.340695
	-0.12385	-2.20059	0.029106	0.341688
	0.301031	2.202019	0.029004	0.341328
	0.191737	2.204314	0.028839	0.340685
LAT2;WBSCR22	-0.29411	-2.20424	0.028845	0.340695
	-0.15448	-2.20205	0.029002	0.341328
ENSG00000176593	-0.23392	-2.20706	0.028643	0.340064
	0.173468	2.205314	0.028768	0.340374
	-0.12119	-2.19684	0.029378	0.342662
	0.171861	2.205156	0.028779	0.340433
	0.135043	2.201903	0.029012	0.341355
	-0.17337	-2.20023	0.029133	0.341834
	-0.15201	-2.20335	0.028908	0.340966
UBXN11	-0.25542	-2.20225	0.028987	0.341305
	-0.24514	-2.20118	0.029064	0.341596
ZNF876P;ZNF732;PDE6B	0.334881	2.203697	0.028883	0.340838

	0.200454	2.203209	0.028918	0.340997
C11orf49	0.253113	2.205363	0.028764	0.340374
	-0.2656	-2.20613	0.028709	0.340231
DCDC2B;TINAGL1;FNDC5;COL16A1;SYNC;IQCC;ZBTB8A;TMEM39B;MTMR9LP;TMEM234;FABP3	-0.22628	-2.19766	0.029319	0.342429
TMC4;HSPBP1;DNAAF3;BRSK1;PPP1R12C	-0.31731	-2.20692	0.028653	0.340087
	0.17562	2.203965	0.028864	0.340753
TRIM27	0.227332	2.200117	0.029141	0.341886
FBXO25	0.347554	2.205578	0.028749	0.340374
GYPC	-0.36991	-2.20757	0.028607	0.339909
PPP1R18;DDR1;TNXB;SLC44A4;CLIC1;NELFE;PPP1R11;MRPS18B;MDC1;HSPA1A	-0.24209	-2.19592	0.029445	0.342982
	0.190902	2.201514	0.02904	0.341436
	0.245876	2.20384	0.028873	0.340802
	0.279256	2.195252	0.029494	0.343233
	0.170767	2.19264	0.029685	0.343947
	-0.16544	-2.19967	0.029173	0.341988
	0.118644	2.203189	0.02892	0.341004
	0.402798	2.205519	0.028753	0.340374
	-0.27086	-2.20163	0.029032	0.341417
FAM201A;ENSG00000198416	-0.26639	-2.19908	0.029216	0.342129
	-0.19992	-2.20374	0.02888	0.340825
	0.205604	2.202868	0.028943	0.341078
	0.1796	2.206669	0.028671	0.340179
CALD1;FAM180A;EXOC4;LRGUK;C7orf73;CNOT4	0.38282	2.201072	0.029072	0.34165
GABBR1;DHX16;DDR1;TRIM26;TRIM31;HLA-A	0.442803	2.203964	0.028864	0.340753
MRPL33	0.252004	2.206066	0.028714	0.340234
	-0.32158	-2.20642	0.028689	0.340179
SSBP3;ENSG00000272091;ENSG00000197015	-0.32905	-2.20366	0.028886	0.340851
HAAO;OXER1;MTA3;COX7A2L;FTOP1	0.325472	2.199513	0.029185	0.342043
DDX54;SDS;ENSG00000199899;CCDC42B;RITA1;IQCD;PLBD2	0.223218	2.204096	0.028855	0.340736
RARRES3	-0.29845	-2.2008	0.029092	0.341671
	-0.25437	-2.20324	0.028916	0.340994
ZDHHC1;TSNAXIP1;CES4A;TPPP3;GFOD2;RRAD;ENKD1;SMPD3;LRRC36;RANBP10;ZFP90;CDH3;CMTM4;PLEKHG4;ATP6V0D1;HSD11B2;SLC12A4;EXOC3L1;DUS2;E2F4;SLC7A6	-0.23915	-2.19823	0.029277	0.342321
XPNPEP1	0.31345	2.205039	0.028787	0.340494
NUP37	0.343221	2.203975	0.028863	0.340753
	0.22844	2.201169	0.029065	0.341596
	-0.36588	-2.2021	0.028998	0.341328
	0.157124	2.197947	0.029298	0.342395
	-0.22159	-2.20563	0.028745	0.340341
	0.148108	2.200102	0.029142	0.341889
	-0.35384	-2.19827	0.029274	0.34232
	0.594491	2.199155	0.02921	0.342111

BTBD9	-0.35571	-2.19985	0.02916	0.341954
	0.299267	2.199667	0.029173	0.341988
	0.129773	2.198281	0.029274	0.34232
	0.224992	2.199263	0.029203	0.342076
	-0.17912	-2.1991	0.029214	0.342118
	0.150064	2.190204	0.029865	0.344638
	0.15181	2.204895	0.028798	0.340513
	-0.17055	-2.19984	0.029161	0.341954
	-0.20163	-2.20437	0.028835	0.340685
	-0.15869	-2.20119	0.029064	0.341596
	-0.24878	-2.19928	0.029201	0.342076
RNF223;PRKCZ;ENSG00000223764	0.132518	2.197935	0.029299	0.342396
	0.271728	2.204505	0.028825	0.340654
	0.157516	2.205717	0.028739	0.340302
	-0.16965	-2.20287	0.028942	0.341078
	0.260498	2.204999	0.02879	0.340494
DRD2;NXPE2;ENSG00000270179;TMPRSS5	-0.34582	-2.19899	0.029223	0.342154
	0.16187	2.2015	0.029041	0.341436
	-0.31051	-2.20543	0.02876	0.340374
	0.225462	2.202735	0.028952	0.341083
	-0.16833	-2.198	0.029294	0.342384
ATP5O	-0.15737	-2.20214	0.028995	0.341328
	0.286762	2.202572	0.028964	0.341169
RAMP3;CCM2	0.271485	2.20096	0.02908	0.341656
	0.262426	2.20337	0.028907	0.340954
	0.229208	2.199309	0.029199	0.342076
	0.158049	2.204623	0.028817	0.340599
	-0.33406	-2.20418	0.028849	0.34071
LAMC2;LAMC1;NCF2;COLGALT2	-0.35994	-2.20089	0.029085	0.341665
RNU1-4	-0.16812	-2.20173	0.029024	0.341406
	0.170717	2.202661	0.028958	0.341122
	-0.28558	-2.20103	0.029075	0.341656
	-0.16161	-2.20298	0.028935	0.341072
	0.264258	2.202293	0.028984	0.341293
	0.249181	2.201984	0.029006	0.341333
IDH3B	-0.28541	-2.19921	0.029207	0.342101
	-0.33071	-2.20357	0.028892	0.340864
PAM	-0.28624	-2.19786	0.029304	0.342401
	0.104396	2.202995	0.028934	0.341072
TAL1	-0.2195	-2.20156	0.029037	0.341428
	-0.21382	-2.2051	0.028783	0.340448
	-0.23783	-2.20215	0.028995	0.341328
	-0.24838	-2.2053	0.028769	0.340374
	0.157957	2.203323	0.02891	0.340966
TAP2;HLA-DMA;HSD17B8;TAP1;RING1;TAPSAR1;ZBTB9	-0.26142	-2.20533	0.028766	0.340374
TRMT12;FER1L6	-0.30415	-2.2019	0.029012	0.341355
	-0.28338	-2.20543	0.028759	0.340374

DNMBP;ERLIN1	-0.26756	-2.20317	0.028921	0.341014
RNF6;MTMR6	0.2011	2.203937	0.028866	0.340757
	0.155136	2.203769	0.028878	0.340825
	0.25251	2.191898	0.02974	0.3441
PTPN7	0.18389	2.204433	0.028831	0.340669
	0.16169	2.202976	0.028935	0.341072
	0.2333	2.200728	0.029097	0.341671
HEBP1;C12orf36;BCL2L14;ETV6;LRP6	0.232737	2.20022	0.029133	0.341834
SNORA74A;ANKHD1;UBE2D2	-0.23215	-2.19538	0.029485	0.343229
	0.140628	2.199955	0.029153	0.341939
	-0.17067	-2.20228	0.028985	0.341294
PML	-0.18756	-2.2044	0.028833	0.340685
AIF1L;FAM78A;ABL1;PPAPDC3	-0.2071	-2.20185	0.029016	0.341367
WISP1;NDRG1	-0.41501	-2.20484	0.028802	0.34052
	-0.27264	-2.2064	0.02869	0.340179
PSMB8;PSMB9;TAP1;RPL32P1;HCP5;TAPSAR1;HLA-DRA;HLA-DMB;HLA-B;PRRC2A	-0.20168	-2.20149	0.029042	0.341436
AOC3;RAMP2;FKBP10;STAT5B	0.354206	2.203983	0.028863	0.340753
	0.337039	2.204484	0.028827	0.340662
	-0.22776	-2.19911	0.029213	0.342118
CEP170B	0.152768	2.195897	0.029447	0.342984
KRT80;KRT7	0.188094	2.201218	0.029061	0.341595
	-0.22902	-2.19399	0.029586	0.343598
	-0.15779	-2.20295	0.028937	0.341074
PPP1R18;CLIC1;HCP5;HLA-E;LTB;HLA-C;HSPA1A;PPP1R11;MICB;DDR1	-0.26193	-2.20128	0.029057	0.341578
COL14A1;ENPP2;MAL2	-0.24144	-2.19906	0.029217	0.342132
	0.212681	2.191404	0.029776	0.344163
LRRC37BP1	0.257103	2.204531	0.028824	0.340641
	0.208115	2.199228	0.029205	0.342096
ANTXR1;CNRIP1	0.149951	2.195999	0.02944	0.342958
	-0.24708	-2.19872	0.029242	0.342201
	0.279926	2.204279	0.028842	0.340694
	0.16326	2.199774	0.029166	0.341954
	0.280279	2.205491	0.028755	0.340374
	0.111171	2.202264	0.028986	0.341298
	0.223025	2.194971	0.029515	0.343304
	-0.1865	-2.1951	0.029505	0.343298
ENSG00000213222;PLEKHB2;CCDC74A	0.279183	2.198087	0.029288	0.342372
	-0.16038	-2.2028	0.028948	0.341081
BIK;SCUBE1;MCAT;CENPM;ARFGAP3;ACO2;SMDT1;XRCC6;PHF5A;TTLL1;RNU12;CSDC2	-0.26024	-2.20327	0.028914	0.340987
ARHGAP32;TMEM45B;TP53AIP1;ST14;ADAMTS8	-0.35315	-2.20278	0.028949	0.341081
	-0.29538	-2.19639	0.029411	0.342932
SAMD5;SASH1	0.233282	2.191656	0.029758	0.344115
GSTK1	0.205047	2.202047	0.029002	0.341328
	0.249107	2.201712	0.029026	0.341406

	0.316742	2.19506	0.029508	0.343298
	0.295294	2.203802	0.028876	0.340824
NCS1	-0.17206	-2.20029	0.029128	0.341834
	-0.12243	-2.19811	0.029286	0.342372
	-0.35112	-2.20014	0.02914	0.34188
CIITA;EMP2	0.384171	2.202718	0.028954	0.341083
	-0.18664	-2.20546	0.028757	0.340374
GUCY1A3	0.311017	2.198238	0.029277	0.342321
ENSG00000260977	-0.35395	-2.20292	0.028939	0.341074
	0.22603	2.201614	0.029033	0.341417
	-0.16155	-2.20208	0.028999	0.341328
	0.208047	2.200764	0.029094	0.341671
	-0.26097	-2.20321	0.028918	0.340997
	0.220474	2.204149	0.028851	0.340719
	0.17456	2.198974	0.029224	0.342154
	0.133823	2.198287	0.029273	0.34232
	-0.27152	-2.20555	0.028751	0.340374
	0.247019	2.202027	0.029003	0.341328
	0.321406	2.198905	0.029229	0.342154
	-0.18301	-2.2023	0.028984	0.341293
	-0.19214	-2.20472	0.02881	0.340573
	-0.20935	-2.20423	0.028845	0.340695
TNXB	0.208189	2.200765	0.029094	0.341671
	0.247773	2.201584	0.029035	0.341417
	-0.12444	-2.20095	0.029081	0.341656
GOLGA3	0.22628	2.205023	0.028788	0.340494
	0.216528	2.200581	0.029107	0.34169
	0.292129	2.196992	0.029367	0.342631
	0.214768	2.201017	0.029076	0.341656
	-0.14279	-2.20325	0.028916	0.340993
	0.242067	2.202818	0.028946	0.341081
JAM3	-0.18721	-2.20395	0.028865	0.340754
AAK1;ADD2	-0.28686	-2.20158	0.029035	0.341417
	0.1361	2.200324	0.029126	0.341834
	0.170765	2.202778	0.028949	0.341081
	0.197251	2.202907	0.02894	0.341074
	0.201807	2.200932	0.029082	0.341656
	-0.14369	-2.19693	0.029372	0.342647
	-0.20257	-2.20071	0.029098	0.341671
PTP4A3;ENSG00000261655	-0.31277	-2.19731	0.029344	0.342516
MFNG	-0.30495	-2.20111	0.02907	0.34163
TNXB;SLC44A4	0.210308	2.202075	0.029	0.341328
	0.153154	2.199674	0.029173	0.341988
EDNRA;ARHGAP10	0.322406	2.197135	0.029357	0.342588
	0.185836	2.200557	0.029109	0.341701
	-0.29078	-2.20078	0.029093	0.341671
RPL41	-0.22019	-2.20152	0.02904	0.341436

CENPU;CASP3	0.287988	2.196476	0.029405	0.342895
	-0.15604	-2.19733	0.029343	0.342513
	0.193147	2.202809	0.028947	0.341081
	0.134708	2.201493	0.029042	0.341436
FER1L5;FAM178B;LINC01125	-0.21403	-2.19951	0.029185	0.342043
PSMG3	0.144929	2.203266	0.028914	0.340987
ENSG00000230063	0.15815	2.200736	0.029096	0.341671
	0.143934	2.193001	0.029659	0.343848
HMGN2	-0.30085	-2.19947	0.029188	0.342043
	0.132945	2.202076	0.029	0.341328
	-0.2341	-2.20291	0.028939	0.341074
	-0.16168	-2.19917	0.029209	0.342111
	0.200836	2.201847	0.029016	0.341367
BAIAP2	-0.3081	-2.20373	0.028881	0.340825
	0.237423	2.199925	0.029155	0.341946
	0.271303	2.200405	0.02912	0.341793
	-0.28677	-2.20036	0.029123	0.341821
	0.310452	2.198666	0.029246	0.342206
	-0.17179	-2.19782	0.029307	0.342401
MYCBP2	-0.33792	-2.19841	0.029264	0.34231
	-0.24328	-2.20023	0.029133	0.341834
PSORS1C3;PPP1R18	-0.25566	-2.19927	0.029202	0.342076
SAMD4A	0.305525	2.200606	0.029106	0.341688
INTS5	0.363029	2.202346	0.02898	0.341285
	0.272048	2.196242	0.029422	0.342958
	0.282034	2.198385	0.029266	0.342314
	-0.22023	-2.20004	0.029146	0.3419
	0.162515	2.199796	0.029164	0.341954
	0.260716	2.198683	0.029245	0.342202
WBSCR22;ELN;ABHD11;WBSCR27;CLIP2;CLDN4	0.361426	2.200724	0.029097	0.341671
	0.255363	2.20243	0.028974	0.341243
	-0.23538	-2.19986	0.029159	0.341954
PMP2;PAG1	0.289402	2.199516	0.029184	0.342043
	0.244958	2.198895	0.029229	0.342154
	0.251719	2.198007	0.029294	0.342384
INPP5A;ECHS1;LRRC27	0.263215	2.200413	0.02912	0.341793
	-0.16018	-2.19145	0.029773	0.344156
MAPK12;RABL2B;C22orf34;SHANK3;MAPK11;DENND6B;ENSG0				
0000213279;ODF3B	-0.22225	-2.20287	0.028942	0.341078
EVC;S100P;STK32B	-0.31984	-2.20399	0.028862	0.340753
GSTO1	0.188361	2.20148	0.029043	0.341436
	0.334931	2.200236	0.029132	0.341834
	0.200276	2.199347	0.029197	0.342076
	-0.34526	-2.19515	0.029502	0.343292
	0.193014	2.199157	0.02921	0.342111
MAPK12	0.244662	2.199817	0.029163	0.341954
	-0.35801	-2.20285	0.028944	0.341081

LRRC61	-0.20863	-2.20339	0.028905	0.340954
	0.153628	2.20095	0.029081	0.341656
	0.167811	2.201704	0.029026	0.341406
	0.224058	2.197488	0.029331	0.342462
ERBB2;MIEN1;ENSG00000264198;NR1D1;IGFBP4	-0.22975	-2.20214	0.028995	0.341328
	0.137414	2.198323	0.029271	0.342314
	-0.16095	-2.199	0.029222	0.342154
CLEC10A;ACAP1	-0.32612	-2.2021	0.028998	0.341328
	-0.14771	-2.20202	0.029004	0.341328
	-0.16297	-2.19433	0.029561	0.343471
	0.303545	2.190901	0.029813	0.344313
	0.291608	2.200249	0.029131	0.341834
	0.146767	2.203003	0.028933	0.341072
	0.247241	2.198822	0.029235	0.342177
	-0.27688	-2.19528	0.029492	0.343229
	0.209471	2.18973	0.0299	0.344788
	0.311351	2.202293	0.028984	0.341293
	0.181214	2.199964	0.029152	0.341939
HNRNPF;ZNF37BP;ZNF239	-0.16958	-2.20023	0.029133	0.341834
	-0.45587	-2.19966	0.029174	0.341988
	-0.25691	-2.20342	0.028903	0.340954
TMEM87B	-0.2763	-2.1989	0.029229	0.342154
	0.330365	2.201838	0.029017	0.341367
	0.172589	2.20245	0.028973	0.341235
	0.112377	2.201897	0.029013	0.341355
	0.208458	2.201962	0.029008	0.341337
	-0.15031	-2.19363	0.029613	0.343621
LIFR	-0.34292	-2.20067	0.029101	0.341682
	0.324455	2.201582	0.029035	0.341417
	0.326305	2.202512	0.028968	0.341201
	0.141448	2.19736	0.029341	0.34251
	0.293638	2.202005	0.029005	0.341329
TBC1D10C;RBM14;RBM4B;ACY3	0.29795	2.202314	0.028983	0.341293
	-0.27292	-2.20117	0.029065	0.341596
BAI1;RHPN1-AS1;GPIHBP1	-0.20151	-2.19779	0.029309	0.342402
	-0.13419	-2.1992	0.029207	0.342101
	-0.31294	-2.20198	0.029007	0.341333
DNAAF2;KLHDC1;ATP5S;PYGL	-0.32265	-2.19893	0.029227	0.342154
ENSG00000256745	0.206197	2.200213	0.029134	0.341834
	-0.16435	-2.20094	0.029082	0.341656
	0.22252	2.201815	0.029018	0.341368
SYNPO2;MYOZ2	-0.17411	-2.19375	0.029604	0.343614
	0.229367	2.199444	0.02919	0.342044
	0.228722	2.194602	0.029542	0.343365
VAMP5;DNAH6	0.220052	2.201377	0.02905	0.341505
	-0.249	-2.19766	0.029319	0.342429
	-0.27146	-2.19952	0.029184	0.342043

KIAA1755;MYL9;RPRD1B;VSTM2L;SOGA1;TGIF2;SAMHD1;RALG				
APB	-0.25065	-2.19763	0.029321	0.342429
	0.213268	2.201383	0.02905	0.341505
	0.174929	2.194917	0.029519	0.343331
	0.138909	2.198472	0.02926	0.342287
GTF3C3	-0.30398	-2.19684	0.029379	0.342662
	0.219493	2.197577	0.029325	0.342456
	-0.21884	-2.1999	0.029157	0.341951
	0.383283	2.201935	0.02901	0.341351
CRYM;METTL9	-0.27165	-2.19934	0.029197	0.342076
	-0.3563	-2.20095	0.029081	0.341656
	-0.2451	-2.19843	0.029263	0.34231
SLC4A11;ADAM33;HSPA12B;CDC25B;FASTKD5;PANK2	-0.14089	-2.20077	0.029094	0.341671
ITGAX	-0.16936	-2.2016	0.029034	0.341417
EYA4;TBPL1	-0.36256	-2.19751	0.02933	0.342462
	0.212594	2.200415	0.029119	0.341793
	0.387267	2.198985	0.029223	0.342154
SEPT1;ITGAL;SPN;CORO1A	0.267077	2.196002	0.029439	0.342958
ENSG00000271020;FBXL2	0.276105	2.199297	0.0292	0.342076
	-0.15987	-2.19894	0.029226	0.342154
	-0.40134	-2.19624	0.029422	0.342958
	-0.19543	-2.19832	0.029271	0.342314
	0.240302	2.199643	0.029175	0.341988
	-0.16848	-2.1976	0.029323	0.342449
FAM159A	0.158828	2.197093	0.02936	0.342602
ACACB	-0.24495	-2.19987	0.029158	0.341954
	-0.22208	-2.19508	0.029507	0.343298
EMR2;CACNA1A;IL27RA;DNAJB1;TECR	0.34916	2.194816	0.029526	0.343352
	-0.61651	-2.19871	0.029243	0.342201
	0.49038	2.204921	0.028796	0.3405
SYNE3;CLMN;AK7;ENSG00000260806;BDKRB1;BDKRB2	0.324656	2.20025	0.029131	0.341834
INTS3;C1orf189	-0.33379	-2.19972	0.029169	0.341977
	-0.43903	-2.20006	0.029145	0.3419
	-0.23126	-2.20066	0.029101	0.341682
	-0.26803	-2.19874	0.029241	0.342201
HN1L;CACNA1H	-0.17914	-2.19742	0.029337	0.34249
	0.237749	2.196201	0.029425	0.342958
	-0.34878	-2.19578	0.029455	0.343034
	0.117113	2.200034	0.029147	0.3419
	0.194625	2.196853	0.029378	0.342662
	-0.12981	-2.19736	0.02934	0.34251
ARHGEF15	-0.18757	-2.19894	0.029226	0.342154
	0.298823	2.197291	0.029346	0.342517
	-0.25116	-2.197	0.029367	0.342631
	-0.33502	-2.1987	0.029243	0.342201
	-0.23785	-2.20088	0.029086	0.341665
	0.229838	2.195824	0.029452	0.343021

	0.266911	2.200972	0.029079	0.341656
C8orf12	0.23716	2.201693	0.029027	0.341406
INPP5D;DGKD;NGEF;EFHD1	-0.24958	-2.19782	0.029307	0.342401
	0.175559	2.194029	0.029584	0.343598
	0.127036	2.198009	0.029293	0.342384
FAM57A;INPP5K;SCARF1	-0.76194	-2.20165	0.02903	0.341417
SPIDR;EFCAB1	-0.28213	-2.19473	0.029532	0.343352
STAT2;BAZ2A;TESPA1;DNAJC14;PTGES3;ERBB3;SARNP;RBMS2	-0.26896	-2.19735	0.029341	0.34251
TSR1	-0.19567	-2.20077	0.029094	0.341671
	0.174764	2.193439	0.029627	0.343681
HCG4;PPP1R10	-0.28325	-2.18985	0.029891	0.344758
ADAM22	0.26747	2.195432	0.029481	0.343229
	0.184688	2.198026	0.029292	0.342384
	0.175548	2.200045	0.029146	0.3419
ENSG00000262003;MYO1C	0.22443	2.194206	0.029571	0.343529
	-0.31673	-2.19775	0.029312	0.342409
HIST1H4C;HIST1H4H	-0.18453	-2.19841	0.029264	0.34231
	-0.19207	-2.19558	0.02947	0.343163
RWDD1	-0.23247	-2.20158	0.029035	0.341417
APBA2	0.265721	2.198872	0.029231	0.342154
	-0.17188	-2.19454	0.029546	0.343373
DAPP1;MTTP;ADH1B	0.315294	2.198385	0.029266	0.342314
	0.205494	2.195322	0.029489	0.343229
LONRF2	-0.21649	-2.19866	0.029247	0.342206
	-0.32008	-2.20061	0.029105	0.341688
	0.142068	2.200278	0.029129	0.341834
ARHGAP25;ANXA4;PLEK;AAK1;ENSG00000188971	0.351681	2.198494	0.029258	0.342287
	0.240076	2.199776	0.029166	0.341954
CD2;CD101	0.312001	2.200065	0.029145	0.3419
	0.320484	2.19604	0.029437	0.342958
	0.220237	2.198256	0.029276	0.34232
	0.248628	2.19581	0.029453	0.343021
	0.221689	2.196039	0.029437	0.342958
RCAN2;ENSG00000231769;CLIC5	0.253022	2.198767	0.029239	0.342195
	0.271659	2.197155	0.029356	0.342588
	0.210135	2.197873	0.029303	0.342401
ENSG00000184566	0.280932	2.199521	0.029184	0.342043
	0.196399	2.198007	0.029294	0.342384
	0.209718	2.193459	0.029625	0.343681
TRPV4	-0.33291	-2.19928	0.029201	0.342076
	-0.22512	-2.19645	0.029407	0.342901
	0.196359	2.190883	0.029815	0.344314
	0.266354	2.201855	0.029016	0.341367
ZDHHC23;CD200;GRAMD1C;C3orf52;BOC;ENSG00000261488;				
KIAA1407;WDR52;ENSG00000242770;SLC9C1	0.23195	2.200754	0.029095	0.341671
CCDC13;HHATL-AS1;ZNF197-AS1	-0.25009	-2.19705	0.029363	0.342621

	0.135415	2.197969	0.029296	0.342386
	-0.15871	-2.19991	0.029156	0.341951
TRAPPC9;DENND3	-0.25199	-2.1942	0.029571	0.343529
PPP1R10;HLA-F;DDR1;CCHCR1	0.427296	2.201028	0.029075	0.341656
CHRD;B3GNT5;ABCC5;POLR2H;PSMD2;YEATS2-AS1	-0.35744	-2.19518	0.0295	0.343287
PLEK;ARHGAP25;ANXA4;AAK1	0.326758	2.195369	0.029486	0.343229
	0.245813	2.199132	0.029212	0.342112
	-0.17089	-2.19268	0.029683	0.343947
AHNAK2;IGHG2;PLD4	-0.2285	-2.19749	0.029331	0.342462
	0.208833	2.197553	0.029327	0.342462
	0.190416	2.200193	0.029135	0.341841
FGD2;CDKN1A;SRSF3	-0.24447	-2.19945	0.029189	0.342044
	0.234858	2.19547	0.029478	0.343226
	-0.1788	-2.19559	0.029469	0.343159
	0.114883	2.191065	0.029801	0.344313
	0.320036	2.198084	0.029288	0.342372
STK4;PIGT;SLC2A10;SDC4	0.38152	2.198786	0.029237	0.34219
	0.311652	2.196816	0.02938	0.342672
	0.18763	2.197677	0.029318	0.342429
	0.248297	2.197237	0.02935	0.342544
	0.135152	2.183595	0.030356	0.346367
	0.209774	2.188226	0.030011	0.345067
	-0.27283	-2.19541	0.029483	0.343229
LCK;FNDC5;MTMR9LP	-0.28004	-2.2007	0.029099	0.341671
	0.259542	2.195403	0.029483	0.343229
	0.128513	2.196996	0.029367	0.342631
	0.348847	2.197085	0.029361	0.342602
	-0.14243	-2.20026	0.02913	0.341834
ANKRD65;ENSG00000272106;MXRA8;MORN1;RNF223;TTLL10;				
FAM213B;ENSG00000269896;C1orf222;PRKCZ;SSU72	0.40527	2.20085	0.029088	0.341671
	0.209811	2.196844	0.029378	0.342662
	0.254575	2.199467	0.029188	0.342043
KAT2B	0.332972	2.201009	0.029077	0.341656
	-0.41789	-2.19502	0.029511	0.3433
	0.311127	2.197641	0.02932	0.342429
	0.29033	2.192616	0.029687	0.343947
CLDN5;UFD1L;SCARF2;CDC45	-0.39175	-2.1938	0.0296	0.343598
	0.126492	2.199271	0.029202	0.342076
TTC39A;DMRTA2;EPS15	0.352787	2.192956	0.029662	0.34385
	-0.35456	-2.20076	0.029094	0.341671
	-0.20351	-2.1961	0.029433	0.342958
	0.15768	2.199761	0.029167	0.341954
	0.196829	2.197231	0.02935	0.342544
	0.181224	2.194604	0.029542	0.343365
	0.380103	2.194828	0.029525	0.343352
	0.235221	2.195983	0.029441	0.342958

CARD11	0.17098	2.193964	0.029588	0.343598
IGFBP2;DIRC3	-0.32269	-2.19693	0.029372	0.342647
	0.2376	2.198331	0.02927	0.342314
	0.168857	2.197458	0.029334	0.342467
ALPK1	0.27329	2.198632	0.029248	0.342217
	0.261136	2.195959	0.029443	0.34296
	-0.2458	-2.19783	0.029307	0.342401
SOX9-AS1;LINC00511;ENSG00000226101;LINC01152;SOX9	-0.26421	-2.19913	0.029212	0.342112
	-0.19225	-2.19527	0.029493	0.343229
	-0.16702	-2.198	0.029294	0.342384
	0.271866	2.199366	0.029195	0.342076
HLA-DMA;HCG23;HLA-DMB;PSMB9;HLA-DOA	-0.1629	-2.19286	0.029669	0.343903
	-0.23607	-2.19955	0.029182	0.342043
	-0.26366	-2.19616	0.029428	0.342958
TRAC;RBM23	0.33076	2.199761	0.029167	0.341954
	0.136279	2.194709	0.029534	0.343357
	-0.27466	-2.19075	0.029825	0.344389
KRT7	-0.19825	-2.19783	0.029306	0.342401
ENSG00000250848	0.160828	2.199776	0.029166	0.341954
	0.274629	2.196273	0.02942	0.342958
TRIM31;GABBR1;NRM;GNL1;DHX16;TRIM39;TCF19	0.293302	2.193271	0.029639	0.343704
	-0.34266	-2.19635	0.029414	0.342952
	0.185366	2.198543	0.029255	0.342264
	-0.22445	-2.19499	0.029513	0.3433
	0.209491	2.19663	0.029394	0.342792
	-0.22416	-2.19646	0.029406	0.342901
ZNF90P1;SENP7;ENSG00000242299	0.27283	2.19327	0.029639	0.343704
F11R;SDHC;TSTD1;ENSG00000213080;KLHDC9;PVRL4;UFC1;AD				
AMTS4;PEX19;C1orf192;NIT1	-0.25156	-2.1852	0.030236	0.345863
	0.250371	2.198126	0.029285	0.342372
MAP9;GUCY1A3	0.310949	2.194774	0.029529	0.343352
RPAP2	-0.2575	-2.19905	0.029218	0.342132
	0.159024	2.198334	0.02927	0.342314
PSEN1;RGS6;PAPLN;DPF3	-0.23543	-2.19888	0.02923	0.342154
	-0.31783	-2.19369	0.029608	0.343621
	0.267391	2.198145	0.029284	0.342368
	-0.1818	-2.19325	0.029641	0.343711
	-0.219	-2.19481	0.029526	0.343352
	-0.20501	-2.19789	0.029302	0.342401
	-0.32857	-2.19426	0.029567	0.343496
	-0.15403	-2.19355	0.029619	0.343643
DBNDD1	-0.44454	-2.19748	0.029332	0.342462
	0.111011	2.194678	0.029536	0.343365
ASAP1	-0.26229	-2.19732	0.029344	0.342516
	0.234289	2.199806	0.029163	0.341954
	-0.1996	-2.19729	0.029346	0.342517

	0.301903	2.197655	0.029319	0.342429
	-0.23635	-2.19788	0.029303	0.342401
CBWD2	-0.3152	-2.19429	0.029565	0.343494
	-0.19064	-2.19354	0.029619	0.343643
	0.30454	2.196296	0.029418	0.342958
	0.247105	2.195324	0.029489	0.343229
	0.141679	2.197167	0.029355	0.342588
	0.239301	2.199347	0.029197	0.342076
	-0.21431	-2.19414	0.029575	0.343556
FOXQ1;FOXC1;FOXF2	-0.38809	-2.18955	0.029913	0.344851
	-0.19628	-2.18956	0.029912	0.344851
	-0.31358	-2.19105	0.029802	0.344313
	-0.21786	-2.19785	0.029305	0.342401
PACRG;ENSG00000225683;QKI;ENSG00000225437	-0.24531	-2.18788	0.030037	0.345092
	-0.32332	-2.19466	0.029537	0.343365
TMF1;LMOD3	-0.34467	-2.19434	0.029561	0.343471
	-0.28725	-2.19869	0.029244	0.342201
	0.209745	2.194029	0.029584	0.343598
	0.214244	2.196226	0.029423	0.342958
	-0.29808	-2.19244	0.0297	0.343972
ATP8B2;SHE	0.227324	2.197117	0.029358	0.342594
	-0.25254	-2.19608	0.029433	0.342958
	-0.1569	-2.19604	0.029437	0.342958
	-0.2526	-2.19457	0.029544	0.343368
PPL	-0.34731	-2.19545	0.02948	0.343229
RLTPR	-0.29515	-2.19948	0.029187	0.342043
	0.116501	2.197722	0.029314	0.342427
	-0.17295	-2.19477	0.029529	0.343352
NOTCH4;NELFE;CUTA	0.248669	2.192936	0.029664	0.34385
	0.272898	2.196152	0.029429	0.342958
	0.284816	2.198758	0.029239	0.342195
CD34;PFKFB2;PIGR;CD46	-0.42559	-2.19782	0.029307	0.342401
BMP7;PMEPA1	0.363296	2.195994	0.02944	0.342958
	-0.23019	-2.19096	0.029809	0.344313
RNF157-AS1;ST6GALNAC2;SMIM5;FOXJ1;SEC14L1;TRIM47;FBF1;TRIM65;LINC00338;RNF157;SMIM6;KIAA0195;UBALD2;SRSF2	-0.25382	-2.19369	0.029608	0.343621
NRXN2;HRASLS2;LTBP3;STIP1;PRDX5;RTN3;PPP2R5B;VEGFB;PYGM;MAP4K2;MRPL49;SLC25A45;PLA2G16;TM7SF2;NAALADL1	0.202854	2.192441	0.0297	0.343972
	-0.22388	-2.19212	0.029724	0.344036
	0.228574	2.199272	0.029202	0.342076
	0.114238	2.193925	0.029591	0.343598
FGFR1OP;PRR18;ENSG00000231720;ENSG00000228648	-0.24214	-2.19676	0.029385	0.342713
	0.208625	2.19013	0.02987	0.344638
PITX1;SEC24A	0.30276	2.190679	0.02983	0.344417

CBL	-0.15677	-2.19657	0.029398	0.34283
	0.362025	2.192372	0.029705	0.34402
GGH	-0.2564	-2.19277	0.029675	0.343938
	0.275094	2.187428	0.03007	0.345182
	0.142241	2.195904	0.029447	0.342984
	-0.28796	-2.19528	0.029492	0.343229
	-0.21237	-2.1946	0.029542	0.343365
	-0.16756	-2.19307	0.029654	0.343805
TRAPPC10	0.188885	2.19797	0.029296	0.342386
	0.26781	2.194989	0.029513	0.3433
	-0.29323	-2.19692	0.029372	0.342647
GIMAP8;GIMAP6;GIMAP5;GIMAP1;GIMAP7;NOS3;REPIN1;CDK 5;GIMAP4;PRKAG2	-0.354	-2.19244	0.0297	0.343972
	-0.19484	-2.18846	0.029993	0.345023
	0.253966	2.195744	0.029458	0.343054
RTN4IP1	0.24544	2.192001	0.029732	0.344056
	-0.25283	-2.1935	0.029622	0.343658
	-0.18191	-2.19328	0.029638	0.343704
	0.172132	2.194856	0.029523	0.343352
	0.363171	2.196062	0.029435	0.342958
	0.243054	2.198862	0.029232	0.342154
BASP1	0.22653	2.193636	0.029612	0.343621
	-0.35769	-2.19603	0.029438	0.342958
	-0.1771	-2.19748	0.029332	0.342462
	-0.15194	-2.19366	0.029611	0.343621
	-0.23775	-2.19613	0.02943	0.342958
	-0.19913	-2.19819	0.02928	0.342339
	-0.25678	-2.19528	0.029492	0.343229
	0.182866	2.196021	0.029438	0.342958
	0.148536	2.195727	0.02946	0.343054
	-0.29625	-2.1963	0.029417	0.342958
IFFO1;ANO2;VWF;CLSTN3;SCNN1A;NTF3;LEPREL2;C1R;C1S;RBP 5;CD27;C1RL;CD9;C1RL-AS1;LRRC23;ATN1;ENSG00000257084;PTMS;GNB3	-0.37918	-2.19358	0.029616	0.343624
	-0.17323	-2.1944	0.029556	0.343443
ENSG00000188002;TRIP13;PDCD6;TPPP;LPCAT1;NKD2;ZDHHC 11B;AHRR	0.28324	2.187691	0.030051	0.34516
	0.126097	2.1964	0.02941	0.342931
	0.198522	2.189023	0.029952	0.344892
WDR45B;SLC25A10;RAB40B;PCYT2	0.209173	2.193789	0.029601	0.343598
TEP1	-0.19902	-2.19693	0.029372	0.342647
	-0.26666	-2.19555	0.029472	0.343173
	0.169824	2.186432	0.030144	0.345485
EXOC3L4;TNFAIP2	-0.20979	-2.19509	0.029506	0.343298
	0.246109	2.196729	0.029387	0.342727
	0.21464	2.198542	0.029255	0.342264
ENSG00000268001;C5AR2	-0.15246	-2.18906	0.029949	0.344892

	-0.3025	-2.1908	0.029821	0.344353
	-0.25296	-2.19541	0.029482	0.343229
EVC;S100P;EVC2;CRMP1;CCDC96	-0.37192	-2.19208	0.029727	0.344051
	0.29592	2.198539	0.029255	0.342264
	-0.23491	-2.19809	0.029288	0.342372
HSP90AA1	-0.19016	-2.19475	0.029531	0.343352
	0.485156	2.192518	0.029694	0.343972
	0.209701	2.194986	0.029514	0.3433
MCAT;SMDT1;TTLL1;BIK;CENPM;NFAM1;RRP7B	0.26756	2.188965	0.029956	0.344902
CLCNKB;DNAJC16	-0.59417	-2.19408	0.02958	0.343588
	-0.20853	-2.18867	0.029978	0.34499
DYNLL1-AS1;DYNLL1;CCDC60;P2RX7;UNC119B;COQ5;SRSF9	-0.3283	-2.18823	0.030011	0.345067
KLHDC4;ZFPM1	-0.17916	-2.19753	0.029328	0.342462
	0.274203	2.196012	0.029439	0.342958
	0.229746	2.195061	0.029508	0.343298
	0.339846	2.197789	0.02931	0.342402
	0.196229	2.192447	0.0297	0.343972
	-0.27072	-2.19329	0.029638	0.343704
	0.246375	2.195047	0.029509	0.343298
ZNF48;C16orf93;ENSG00000260219	-0.17612	-2.1907	0.029828	0.344407
	-0.14106	-2.19384	0.029597	0.343598
	0.124336	2.194727	0.029533	0.343352
	0.281335	2.19483	0.029525	0.343352
	0.265733	2.194639	0.029539	0.343365
	0.268707	2.197635	0.029321	0.342429
	0.253667	2.192632	0.029686	0.343947
	-0.29938	-2.19879	0.029237	0.34219
ZNF574	-0.2059	-2.19195	0.029736	0.344068
	0.222493	2.188001	0.030028	0.345071
RASGRP3	-0.38688	-2.19853	0.029256	0.342264
	0.224837	2.191163	0.029794	0.344306
ECSCR	-0.14499	-2.18943	0.029922	0.344883
MBP	0.200792	2.196662	0.029391	0.342774
	0.183374	2.196905	0.029374	0.342652
C1QTNF1;TIMP2;ENSG00000178404;CBX2;ENSG00000267491;				
USP36;CCDC40;SLC26A11	-0.38868	-2.19457	0.029544	0.343368
	-0.17567	-2.1947	0.029535	0.343357
ENSG00000254815	-0.45492	-2.19617	0.029427	0.342958
	-0.21977	-2.19633	0.029416	0.342958
	0.247468	2.190312	0.029857	0.344609
	-0.1827	-2.19699	0.029368	0.342631
TLN2	0.165087	2.191417	0.029775	0.344162
	0.170423	2.196025	0.029438	0.342958
	0.137847	2.194503	0.029549	0.343393
CENPM;ARFGAP3;SMDT1;RNU12;XPNPEP3;ACO2;ZC3H7B	-0.27913	-2.19157	0.029764	0.344115

	0.147625	2.188273	0.030007	0.345067
	0.21068	2.194388	0.029557	0.343444
	0.137535	2.191761	0.02975	0.344115
HEATR2;SUN1	-0.27411	-2.19454	0.029546	0.343373
	0.260141	2.196076	0.029434	0.342958
PLCH1	-0.38986	-2.19832	0.029271	0.342314
	0.316711	2.185503	0.030213	0.345819
	-0.2959	-2.19266	0.029684	0.343947
	-0.13143	-2.19714	0.029357	0.342588
SMIM6;SMIM5;RNF157-AS1;FOXJ1;MXRA7;SPHK1;TRIM65;ST6GALNAC2;PRPSAP1;SEC14L1;LLGL2;ST6GALNAC1	0.340343	2.193445	0.029626	0.343681
	0.319623	2.193661	0.02961	0.343621
HILPDA;LRRC4;IRF5;SMKR1;TPI1P2;AHCYL2	0.241683	2.197454	0.029334	0.342467
	0.277635	2.194274	0.029566	0.343494
	-0.19689	-2.18976	0.029898	0.344774
	0.193887	2.190911	0.029813	0.344313
ZNF213;ABCA3;TBC1D24;SRRM2;TSC2;ZNF75A;PKD1	0.246702	2.193807	0.0296	0.343598
	0.245784	2.192163	0.02972	0.344036
ARL3	-0.15104	-2.19162	0.02976	0.344115
	0.178021	2.191019	0.029805	0.344313
TSEN54;NAT9	-0.30323	-2.19249	0.029697	0.343972
LINC00689;NCAPG2	0.276196	2.193758	0.029603	0.343614
	-0.25322	-2.19384	0.029597	0.343598
	-0.23961	-2.18906	0.029949	0.344892
	0.212837	2.196219	0.029424	0.342958
GRHL2;AZIN1;RRM2B	-0.39478	-2.192	0.029732	0.344056
	-0.21144	-2.19835	0.029269	0.342314
COX16	-0.18223	-2.19261	0.029687	0.343947
	0.183267	2.194278	0.029565	0.343494
DUSP4	-0.33077	-2.1926	0.029688	0.343947
	-0.21722	-2.19533	0.029488	0.343229
	0.248149	2.19516	0.029501	0.343292
	-0.2284	-2.18571	0.030198	0.345753
	-0.42071	-2.1961	0.029433	0.342958
PIGV;TRNP1;RPS6KA1;CEP85;C1orf172;HMGN2;PDIK1L;FAM110D;NUDC	-0.21682	-2.19332	0.029635	0.343704
	0.171848	2.195537	0.029473	0.343178
ITGB7;ACVR1B	0.260732	2.194827	0.029525	0.343352
GRK6	0.290202	2.192284	0.029712	0.344036
	0.247971	2.194763	0.02953	0.343352
	0.169621	2.192966	0.029661	0.34385
	0.242988	2.190713	0.029827	0.344407
	0.163712	2.198222	0.029278	0.342321
	0.163919	2.192112	0.029724	0.344036
	-0.14076	-2.19166	0.029758	0.344115
	0.248737	2.189117	0.029945	0.344892

	0.396445	2.197537	0.029328	0.342462
	0.170407	2.192198	0.029718	0.344036
OR5P3	-0.22697	-2.19777	0.029311	0.342402
	0.225995	2.19613	0.02943	0.342958
	0.135725	2.194924	0.029518	0.343331
	-0.33401	-2.19462	0.02954	0.343365
	-0.13152	-2.19155	0.029765	0.344122
ENSG00000226072	0.118111	2.187297	0.03008	0.345197
	-0.22422	-2.19586	0.029449	0.343002
LSG1	-0.25168	-2.19615	0.029429	0.342958
IRF6;TRAF3IP3;HHAT	-0.23168	-2.19335	0.029634	0.343704
	-0.22845	-2.19251	0.029695	0.343972
	0.110771	2.190923	0.029812	0.344313
	0.249272	2.193406	0.029629	0.343688
	-0.16907	-2.19394	0.02959	0.343598
	-0.29704	-2.19221	0.029717	0.344036
	-0.20567	-2.19284	0.029671	0.343913
BATF2	0.276261	2.198263	0.029275	0.34232
ENSG00000231980;PTPRN2;RNF32;ENSG00000233878;ENSG0				
0000233038	-0.29986	-2.19458	0.029543	0.343368
	0.145102	2.193584	0.029616	0.343624
TIMM8B	0.259834	2.19362	0.029614	0.343621
	0.238699	2.193814	0.029599	0.343598
	-0.18319	-2.18581	0.03019	0.345733
	-0.34841	-2.19225	0.029714	0.344036
SKP1;TCF7;PPP2CA	0.289509	2.192612	0.029687	0.343947
	0.199804	2.19319	0.029645	0.343725
	-0.17171	-2.19626	0.02942	0.342958
	-0.23108	-2.19509	0.029506	0.343298
	-0.38506	-2.19479	0.029528	0.343352
	-0.20039	-2.1863	0.030154	0.345531
	0.22873	2.192799	0.029674	0.343927
CALHM2	-0.35867	-2.19596	0.029442	0.34296
ARHGEF10;CLN8;MYOM2	0.280462	2.187942	0.030032	0.345091
	-0.19652	-2.1916	0.029762	0.344115
	0.192786	2.192943	0.029663	0.34385
	-0.14832	-2.19369	0.029609	0.343621
KIF26A;ADSSL1;INF2;C14orf2;EXOC3L4	-0.37414	-2.19574	0.029459	0.343054
	-0.1702	-2.1931	0.029652	0.343793
	-0.3398	-2.19394	0.02959	0.343598
ENSG00000234614;S100A10	0.191293	2.191611	0.029761	0.344115
	-0.35895	-2.19477	0.029529	0.343352
	-0.28063	-2.19499	0.029513	0.3433
	-0.1638	-2.19099	0.029807	0.344313
	-0.33831	-2.18576	0.030194	0.345733
	-0.25866	-2.19107	0.029801	0.344313
	0.182127	2.189455	0.02992	0.344883

	0.240564	2.193033	0.029657	0.343831
	0.15153	2.191883	0.029741	0.3441
	-0.24273	-2.18835	0.030002	0.345046
	0.278163	2.191775	0.029749	0.344115
RNF212	0.304075	2.194735	0.029532	0.343352
SPIRE2;GAS8;GALNS;ENSG00000260259;C16orf3;URAHP;SPAT A33	-0.15646	-2.19086	0.029816	0.344315
	-0.33299	-2.19207	0.029727	0.344051
	0.169032	2.191603	0.029762	0.344115
	0.249135	2.195811	0.029453	0.343021
IDH3B;SIRPA;SDCBP2;NOP56	-0.23567	-2.1925	0.029696	0.343972
	-0.20679	-2.19104	0.029803	0.344313
	-0.18196	-2.19383	0.029598	0.343598
	0.157577	2.189683	0.029903	0.344799
	0.268735	2.190529	0.029841	0.344499
ZNF831;ZBP1	-0.2551	-2.19369	0.029608	0.343621
	0.267949	2.195308	0.02949	0.343229
KCNK6	0.292923	2.193871	0.029595	0.343598
	-0.25978	-2.19006	0.029875	0.344672
KIF23	-0.19229	-2.19124	0.029788	0.344273
	0.231978	2.194118	0.029577	0.343561
	-0.24983	-2.19271	0.02968	0.343947
TMEM176A;TMEM176B	-0.17813	-2.19122	0.02979	0.344278
	-0.14875	-2.19414	0.029576	0.343556
	0.256079	2.192233	0.029715	0.344036
MAPKAP1	-0.22868	-2.19266	0.029684	0.343947
	0.128832	2.189826	0.029893	0.344758
B4GALNT3	-0.29634	-2.18527	0.03023	0.345845
POC1B	-0.34498	-2.18643	0.030144	0.345485
	-0.1962	-2.19394	0.02959	0.343598
	-0.23049	-2.19166	0.029757	0.344115
	0.176377	2.190505	0.029842	0.344509
	0.254508	2.183842	0.030337	0.346294
EXOC3L2;KCNN4;ENSG00000267348;GEMIN7	-0.19782	-2.18366	0.030351	0.346355
	0.213632	2.19379	0.029601	0.343598
	-0.24487	-2.19532	0.029489	0.343229
	-0.30124	-2.18802	0.030026	0.345071
	0.312914	2.191752	0.029751	0.344115
	0.166769	2.192008	0.029732	0.344056
FXYD3;KIAA0355;GRAMD1A;UBA2;ZNF30;WTIP;CEBPG;LGI4;SC N1B;ENSG00000269086	0.225493	2.189549	0.029913	0.344851
SLC22A23;SERPINB6;ENSG00000233068	-0.36938	-2.19443	0.029555	0.343431
	-0.18978	-2.19224	0.029715	0.344036
CTSW	-0.33676	-2.19283	0.029672	0.343914
	0.217918	2.19393	0.029591	0.343598
	-0.19088	-2.18811	0.030019	0.345067
TOMM40	-0.19412	-2.18783	0.03004	0.345124

	-0.24125	-2.19504	0.029509	0.343298
XRCC1	0.226208	2.192202	0.029718	0.344036
PSMG3	0.195898	2.193415	0.029629	0.343688
	0.303873	2.189291	0.029932	0.344892
	-0.21677	-2.19446	0.029552	0.343407
	0.161761	2.192283	0.029712	0.344036
	-0.24755	-2.19379	0.029601	0.343598
	-0.31029	-2.19418	0.029572	0.343536
RNF125	-0.37542	-2.19353	0.02962	0.343645
	0.234646	2.196031	0.029437	0.342958
	-0.21987	-2.18818	0.030015	0.345067
	0.197194	2.189681	0.029903	0.344799
	0.121323	2.191081	0.0298	0.344313
CALHM2;SLK;USMG5;SFR1	-0.29925	-2.19228	0.029712	0.344036
	0.241741	2.190664	0.029831	0.344421
TULP3;PARP11	0.435469	2.193842	0.029597	0.343598
	0.243738	2.193626	0.029613	0.343621
CAMKK2	-0.2155	-2.19165	0.029758	0.344115
PPIE	-0.25364	-2.19008	0.029873	0.344663
COQ7;GDE1;SYT17;CCP110	-0.22953	-2.18528	0.03023	0.345845
	-0.21934	-2.19181	0.029747	0.344115
	-0.22	-2.19339	0.029631	0.343688
ZBTB46;SOX18;STMN3;SLC17A9	-0.2743	-2.19198	0.029734	0.344064
CSF1	-0.26862	-2.18893	0.029959	0.344914
	0.189213	2.19268	0.029682	0.343947
	-0.25144	-2.18161	0.030505	0.347071
RNF166;CBFA2T3;PIEZO1;ANKRD11;ENSG00000224888;DEF8;ZNF276;ENSG00000261226;ENSG00000268218	0.377592	2.191881	0.029741	0.3441
	0.216299	2.193277	0.029639	0.343704
PLEKHG5;NPHP4;ICMT;TAS1R1	-0.40042	-2.19298	0.029661	0.34385
ENSG00000258337	-0.26723	-2.19648	0.029404	0.342895
HSD17B8;ZBTB9;UQCC2	-0.40557	-2.18809	0.030021	0.345067
	0.164769	2.191068	0.029801	0.344313
	0.210711	2.186485	0.03014	0.345474
	-0.34066	-2.18291	0.030407	0.346693
	-0.29901	-2.1936	0.029615	0.343624
NDST1;MYOZ3;PDGFRB;HMGXB3;ANXA6;SYNPO	-0.31018	-2.18325	0.030381	0.346537
	0.210495	2.191579	0.029763	0.344115
	-0.27408	-2.18813	0.030018	0.345067
SDC3	-0.30555	-2.19217	0.02972	0.344036
	0.15377	2.190166	0.029867	0.344638
	0.217385	2.1867	0.030124	0.345416
	-0.1949	-2.19154	0.029766	0.344124
	-0.29276	-2.18435	0.030299	0.346099
CDK1	-0.51391	-2.19045	0.029847	0.344539
	0.149805	2.193645	0.029612	0.343621
TSPAN18	-0.26981	-2.18893	0.029959	0.344914

	-0.19305	-2.19404	0.029583	0.343598
MRPS15	-0.17855	-2.19528	0.029492	0.343229
	0.208903	2.194653	0.029538	0.343365
PTPRH;EPS8L1;PPP6R1;LILRB1;ZNF667;U2AF2;UBE2S	-0.22556	-2.19212	0.029724	0.344036
	0.228456	2.187881	0.030036	0.345092
	-0.26909	-2.18678	0.030118	0.345401
CNNM2	0.153876	2.192252	0.029714	0.344036
	-0.25321	-2.18945	0.029921	0.344883
	-0.27375	-2.19389	0.029594	0.343598
	0.108439	2.190157	0.029868	0.344638
FXYD3;WTIP;NFKBID;KIAA0355;GRAMD1A;SCN1B;COX6B1;PSE				
NEN;CD22;CLIP3	0.272775	2.191474	0.029771	0.34415
GABBR1;HLA-F-AS1	0.313363	2.191836	0.029744	0.344103
	0.195148	2.190817	0.029819	0.344346
MED18;SNHG3;PTAFR	-0.23472	-2.1906	0.029835	0.344463
	0.178908	2.188124	0.030018	0.345067
CHD7	-0.27108	-2.19178	0.029748	0.344115
	-0.27108	-2.19179	0.029748	0.344115
	-0.22933	-2.18608	0.03017	0.345601
	-0.33199	-2.19339	0.02963	0.343688
TNFRSF10B;STC1;NKX3-1	-0.24972	-2.18927	0.029934	0.344892
	-0.33933	-2.19261	0.029688	0.343947
KCNE4	0.229882	2.189605	0.029909	0.344848
	0.256451	2.192021	0.029731	0.344056
	-0.21205	-2.19196	0.029735	0.344068
	0.195684	2.192692	0.029682	0.343947
	0.167594	2.188143	0.030017	0.345067
	-0.21643	-2.19185	0.029743	0.3441
	-0.28286	-2.19389	0.029594	0.343598
	-0.21309	-2.19321	0.029643	0.343724
ARHGAP29;ABCD3	-0.32839	-2.19247	0.029698	0.343972
	0.24514	2.191422	0.029775	0.344162
	0.112924	2.18925	0.029935	0.344892
RAB38	-0.35884	-2.18727	0.030082	0.345197
TNFSF4;DNM3;ENSG00000203739	0.291394	2.188434	0.029995	0.345028
	0.178712	2.192606	0.029688	0.343947
	0.204865	2.193208	0.029644	0.343724
RPL32P1	0.132869	2.189509	0.029916	0.344865
	-0.21668	-2.19186	0.029742	0.3441
	0.309187	2.192117	0.029724	0.344036
WEE1;MRVI1;AMPD3;ZBED5	-0.32061	-2.1853	0.030229	0.345845
	-0.29682	-2.18652	0.030138	0.345463
POU5F1P4	0.111877	2.187506	0.030064	0.345167
	-0.14798	-2.19336	0.029632	0.343701
	0.242325	2.18817	0.030015	0.345067
	0.236481	2.194482	0.02955	0.343401
	-0.28481	-2.189	0.029954	0.3449

	0.262625	2.192552	0.029692	0.343969
	0.294277	2.191662	0.029757	0.344115
	0.144393	2.188869	0.029963	0.34493
	0.15564	2.190296	0.029858	0.344613
	-0.14363	-2.18675	0.03012	0.345401
	-0.14881	-2.1888	0.029968	0.344943
ARID3B;PML;COX5A;NRG4	-0.30651	-2.19102	0.029805	0.344313
	-0.24668	-2.19214	0.029722	0.344036
	-0.23442	-2.18978	0.029896	0.344774
	0.307878	2.190913	0.029812	0.344313
	0.094884	2.184062	0.030321	0.346242
	0.145239	2.190457	0.029846	0.344539
	-0.22804	-2.19256	0.029692	0.343969
	0.14016	2.192933	0.029664	0.34385
	-0.24789	-2.19158	0.029764	0.344115
	0.145129	2.186633	0.030129	0.345416
	0.165863	2.192232	0.029715	0.344036
	0.332656	2.188396	0.029998	0.345041
	-0.23822	-2.19166	0.029757	0.344115
	0.103186	2.188824	0.029967	0.344937
	-0.3063	-2.18907	0.029949	0.344892
IGLV1-44	0.202056	2.187991	0.030028	0.345071
	-0.23227	-2.1933	0.029637	0.343704
USP10;HSBP1	-0.24438	-2.18857	0.029986	0.345022
	-0.20734	-2.18522	0.030235	0.345862
	0.249711	2.19395	0.029589	0.343598
	0.213882	2.186997	0.030102	0.345293
NUDT12	-0.42575	-2.18762	0.030056	0.345167
	-0.29283	-2.19222	0.029716	0.344036
CSMD2;C1orf216;CLSPN	0.230628	2.191504	0.029769	0.344134
SPDEF;MAPK13	-0.16359	-2.18728	0.030081	0.345197
	0.190594	2.186574	0.030134	0.345444
	0.161195	2.190257	0.029861	0.344624
	0.324347	2.192139	0.029722	0.344036
SKI;VWA1	-0.33255	-2.18837	0.03	0.345046
	0.235787	2.192448	0.029699	0.343972
	-0.17994	-2.18478	0.030267	0.346001
	-0.22153	-2.18815	0.030017	0.345067
	0.18314	2.184179	0.030312	0.346182
	0.236904	2.188234	0.03001	0.345067
	0.297575	2.19037	0.029852	0.344569
	0.26058	2.188491	0.029991	0.345023
	-0.30541	-2.19133	0.029782	0.344212
	0.257744	2.184346	0.0303	0.346099
	-0.39767	-2.18981	0.029894	0.344758
	-0.19776	-2.18699	0.030103	0.345293
	-0.16615	-2.18801	0.030027	0.345071

	-0.20149	-2.19268	0.029683	0.343947
RNF223;PRKCZ	-0.29978	-2.19174	0.029752	0.344115
	0.226739	2.187034	0.030099	0.34529
	-0.16209	-2.18765	0.030053	0.345167
	0.113058	2.183534	0.03036	0.346391
	-0.23558	-2.19024	0.029862	0.344624
	0.258763	2.190181	0.029866	0.344638
	-0.25679	-2.18931	0.02993	0.344892
NOTUM;OXLD1;RNF213	-0.27307	-2.18852	0.029989	0.345022
	-0.29432	-2.18762	0.030056	0.345167
	0.23987	2.193202	0.029644	0.343724
	0.274322	2.192039	0.029729	0.344056
	-0.19777	-2.19145	0.029773	0.344156
	0.159869	2.187974	0.03003	0.345076
	0.242486	2.186629	0.030129	0.345416
CMAHP	-0.30702	-2.18216	0.030463	0.346936
	0.289771	2.1909	0.029813	0.344313
	-0.17214	-2.19132	0.029782	0.344212
FOXL1;FOXF1;FENDRR;IRF8	-0.34208	-2.18758	0.030059	0.345167
DHX16;PPP1R18;CCHCR1	0.313046	2.189137	0.029943	0.344892
	-0.21477	-2.19057	0.029838	0.344484
	0.21307	2.191086	0.0298	0.344313
	0.115819	2.191214	0.02979	0.344278
	-0.16993	-2.18752	0.030063	0.345167
	0.149164	2.191691	0.029755	0.344115
	0.335596	2.185318	0.030227	0.345845
	0.206442	2.189914	0.029886	0.344743
	0.168486	2.18766	0.030053	0.345167
	0.277986	2.186456	0.030142	0.345485
FAM179A;ENSG00000233862	-0.25007	-2.19024	0.029862	0.344624
	0.147493	2.189457	0.02992	0.344883
	0.269968	2.189918	0.029886	0.344743
	0.261412	2.180828	0.030563	0.347132
HHAT	0.360511	2.189278	0.029933	0.344892
	-0.23174	-2.18984	0.029891	0.344758
	0.268763	2.188829	0.029966	0.344937
	-0.19013	-2.18821	0.030012	0.345067
	-0.32384	-2.1909	0.029813	0.344313
	0.243842	2.193944	0.02959	0.343598
	-0.13747	-2.18864	0.02998	0.344999
	0.240067	2.176814	0.030867	0.348156
	0.12456	2.181512	0.030512	0.347071
	0.172108	2.189386	0.029925	0.344892
FBXL13;LRWD1;ORAI2	-0.29317	-2.18663	0.030129	0.345416
	-0.2387	-2.18609	0.030169	0.345601
	0.195137	2.186184	0.030163	0.345595
LHPP	0.262672	2.187105	0.030094	0.345262

MAP2K5	0.214453	2.191513	0.029768	0.344134
	-0.22992	-2.19098	0.029807	0.344313
	0.218337	2.188539	0.029988	0.345022
	-0.17607	-2.18452	0.030286	0.346035
	-0.15462	-2.18405	0.030321	0.346242
	-0.24828	-2.18735	0.030076	0.345182
	0.41086	2.190913	0.029812	0.344313
	0.164293	2.188098	0.03002	0.345067
MAPK12	-0.25228	-2.19041	0.02985	0.344556
RASAL2;C1orf220	0.268613	2.189415	0.029923	0.344889
ZNF471	-0.17408	-2.18927	0.029934	0.344892
	0.185419	2.185867	0.030186	0.345698
CBFA2T3;PIEZO1	0.21822	2.183	0.0304	0.346664
SKI;RER1;LINC00982;MEGF6;TP73-AS1;PRDM16	0.328463	2.180412	0.030595	0.347172
KALRN	-0.16032	-2.19015	0.029869	0.344638
	-0.19629	-2.18793	0.030033	0.345091
	0.207869	2.191852	0.029743	0.3441
	-0.17946	-2.18864	0.029981	0.344999
SEMA6A	0.239929	2.189036	0.029951	0.344892
	0.185728	2.188865	0.029964	0.34493
	0.215868	2.187763	0.030045	0.345136
ALDH1L2;ENSG00000258111	-0.3121	-2.18674	0.030121	0.345401
	0.179456	2.191711	0.029754	0.344115
	-0.35873	-2.18903	0.029951	0.344892
	-0.1961	-2.18868	0.029977	0.34499
PTGDS	-0.21323	-2.18792	0.030033	0.345091
	0.221775	2.18824	0.03001	0.345067
	-0.23602	-2.18542	0.03022	0.345838
	-0.39026	-2.18308	0.030395	0.346642
	-0.23546	-2.18937	0.029926	0.344892
	0.163385	2.184011	0.030325	0.346252
	0.321764	2.189881	0.029888	0.344752
HCP5	0.146968	2.188423	0.029996	0.345028
	0.168358	2.187394	0.030073	0.345182
	-0.15431	-2.1891	0.029946	0.344892
	-0.29425	-2.18936	0.029927	0.344892
	0.242537	2.192141	0.029722	0.344036
	0.225434	2.189129	0.029944	0.344892
	0.216353	2.189117	0.029945	0.344892
	0.279995	2.189766	0.029897	0.344774
	0.221834	2.186507	0.030139	0.345464
TAP1;PSMB8;TAP2;PSMB9;CFB;HCP5;HLA-B	0.197734	2.19116	0.029794	0.344306
	0.205404	2.186897	0.03011	0.34534
COL4A1;COL4A2	-0.39202	-2.18732	0.030078	0.345196
	-0.35897	-2.18742	0.030071	0.345182
APBB2;RBM47;LIMCH1;SMIM14	-0.33552	-2.18155	0.030509	0.347071
	-0.2424	-2.18446	0.030291	0.346054

	-0.26183	-2.19012	0.029871	0.344638
	-0.20478	-2.18704	0.030099	0.34529
	0.241167	2.188632	0.029981	0.344999
	-0.16128	-2.18365	0.030352	0.346355
	-0.16498	-2.18713	0.030092	0.345259
SEC24A	-0.16675	-2.18536	0.030224	0.345845
RBMS2	0.241837	2.189019	0.029952	0.344892
TMEM241;CABLES1;C18orf8	-0.36336	-2.19004	0.029877	0.344675
	0.218915	2.191655	0.029758	0.344115
	0.214921	2.186826	0.030115	0.345387
	-0.1343	-2.18476	0.030269	0.346001
	0.234936	2.187711	0.030049	0.34516
IFNG-AS1	0.294646	2.189536	0.029914	0.344851
	-0.29227	-2.19113	0.029796	0.344313
	0.183233	2.188781	0.02997	0.344943
	0.308918	2.18456	0.030284	0.346035
	-0.13954	-2.19224	0.029714	0.344036
CCR5;CXCR6;XCR1	0.20519	2.18916	0.029942	0.344892
	0.148612	2.185109	0.030243	0.345899
	-0.16145	-2.18632	0.030152	0.345531
	0.218373	2.187794	0.030043	0.345129
	0.355634	2.189195	0.029939	0.344892
	0.160583	2.189185	0.02994	0.344892
	-0.18402	-2.18401	0.030324	0.346252
	-0.2239	-2.1879	0.030035	0.345092
	0.198891	2.178519	0.030738	0.347726
	0.223943	2.181473	0.030515	0.347071
	0.227394	2.185072	0.030245	0.345911
	-0.36424	-2.18692	0.030108	0.345338
ENSG00000261659;ENSG00000196674;METRN	0.249737	2.188906	0.029961	0.344914
ENSG00000235531	0.29966	2.182941	0.030405	0.346676
	0.25311	2.188007	0.030027	0.345071
	-0.27072	-2.18689	0.03011	0.34534
	0.21088	2.1877	0.03005	0.34516
	0.202922	2.188453	0.029994	0.345023
	-0.20868	-2.18754	0.030062	0.345167
	-0.45095	-2.18884	0.029966	0.344937
	-0.16011	-2.18908	0.029947	0.344892
	-0.14323	-2.18877	0.02997	0.344943
	-0.30916	-2.18248	0.03044	0.346829
	-0.24517	-2.19028	0.029859	0.344614
	0.125435	2.188088	0.030021	0.345067
	0.159553	2.181554	0.030509	0.347071
	-0.15446	-2.18682	0.030116	0.345387
FRMPD2	0.215131	2.187131	0.030092	0.345259
	0.180767	2.182966	0.030403	0.346673
	-0.19032	-2.19018	0.029866	0.344638

	0.238848	2.185901	0.030184	0.345685
	0.217437	2.1846	0.030281	0.346035
HIST1H2AL;HIST1H2AI;HIST1H3J;HIST1H2AJ;HIST1H1B;HIST1H2AG;HIST1H4K;HIST1H4J	0.259545	2.188911	0.02996	0.344914
	0.247921	2.190392	0.029851	0.34456
	-0.33441	-2.18652	0.030137	0.345463
	0.218981	2.187015	0.030101	0.345291
	-0.23858	-2.18944	0.029921	0.344883
	0.115014	2.188714	0.029975	0.344975
HIP1;MDH2	0.2301	2.182511	0.030437	0.346829
C9orf139;LCNL1	0.254564	2.190984	0.029807	0.344313
	0.288064	2.188351	0.030002	0.345046
	-0.29573	-2.18337	0.030373	0.346471
	0.17568	2.187351	0.030076	0.345182
	0.106576	2.188083	0.030022	0.345067
ZFP82;CLIP3;ZNF568	0.175586	2.184505	0.030288	0.346042
HN1L;POLR3K;ENSG00000260051	0.195029	2.189809	0.029894	0.344758
	0.227787	2.186277	0.030156	0.345531
	0.229438	2.187349	0.030076	0.345182
	0.224949	2.188451	0.029994	0.345023
	-0.27452	-2.19004	0.029877	0.344675
CERKL	0.337877	2.183625	0.030354	0.346358
	0.215124	2.185414	0.03022	0.345838
SKI;NADK;RER1;PRDM16;LINC00982	0.174014	2.185115	0.030242	0.345899
	0.161941	2.188215	0.030012	0.345067
	0.161833	2.185347	0.030225	0.345845
	0.228192	2.188964	0.029956	0.344902
SNRPG;ZNF638;FAM136A	0.282046	2.18084	0.030563	0.347132
	0.256564	2.187367	0.030075	0.345182
	0.17735	2.185507	0.030213	0.345819
LMAN2	0.217982	2.187626	0.030055	0.345167
TMED11P;ENSG00000227189	0.216763	2.189542	0.029914	0.344851
	-0.16486	-2.18779	0.030043	0.345129
	0.190579	2.189311	0.029931	0.344892
	-0.2554	-2.18372	0.030346	0.346341
	-0.22656	-2.1872	0.030087	0.345242
ENSG00000249279;ELOVL7	0.29929	2.191051	0.029802	0.344313
	0.222509	2.181629	0.030503	0.347071
ENSG00000240859;MAD1L1;ENSG00000176349	-0.25721	-2.18911	0.029945	0.344892
	0.216745	2.191134	0.029796	0.344313
	0.241207	2.189062	0.029949	0.344892
ENSG00000174093;ENSG00000264198;IKZF3;RPL19	-0.19383	-2.1856	0.030206	0.345786
FRMPD2;LRRC18;ENSG00000232462;FRMPD2P1;C10orf128;PTPN20CP	-0.22157	-2.18541	0.03022	0.345838
	0.230021	2.189353	0.029927	0.344892
	-0.27216	-2.18878	0.02997	0.344943
C1orf158	0.206084	2.189264	0.029934	0.344892

NOMO2	-0.30609	-2.18923	0.029937	0.344892
NLRC5;GPR114;PRSS54;CETP;ENSG00000260438;CCDC135	-0.23333	-2.18664	0.030129	0.345416
	0.359274	2.185139	0.03024	0.345899
GRASP;ACVRL1;ACVR1B;TENC1;KRT18;KRT80;KRT8	-0.26657	-2.1808	0.030565	0.347132
	-0.30516	-2.18856	0.029986	0.345022
CRYZP1;FAM185A	-0.2574	-2.18847	0.029993	0.345023
FAM174B;ENSG00000260337;ENSG00000258676	-0.2666	-2.18366	0.030351	0.346355
	-0.17722	-2.18998	0.029881	0.344717
	-0.21981	-2.18873	0.029974	0.34497
	0.214757	2.187476	0.030067	0.345167
	0.220212	2.188518	0.029989	0.345022
SLC20A2	-0.30344	-2.19041	0.02985	0.344556
	-0.17324	-2.18778	0.030044	0.345131
	0.229751	2.190538	0.02984	0.344499
	0.246306	2.187914	0.030034	0.345091
DHRS9;NOSTRIN;CERS6	-0.29626	-2.18853	0.029989	0.345022
ADAMTS10;ZNF358;KANK3;ZNF559;CD320;STXBP2	0.29183	2.173987	0.031082	0.349145
	-0.25915	-2.18526	0.030232	0.345845
	-0.45858	-2.18727	0.030082	0.345197
	0.252664	2.189811	0.029894	0.344758
	0.17724	2.186527	0.030137	0.345463
TMEM189;MIR645	0.335551	2.186775	0.030119	0.345401
MIR143HG;ENSG00000253864;MIR145;PDGFRB	0.156772	2.185286	0.030229	0.345845
	0.18847	2.180263	0.030606	0.347202
	-0.19958	-2.18613	0.030166	0.345601
	0.250089	2.1876	0.030057	0.345167
	-0.29126	-2.18673	0.030122	0.345402
HAPLN3	0.14954	2.185638	0.030203	0.345786
	-0.32407	-2.18917	0.029941	0.344892
ATF4	-0.15874	-2.18369	0.030349	0.346351
SLC22A5	0.199896	2.186641	0.030129	0.345416
TTC5	-0.34001	-2.18903	0.029951	0.344892
	0.123194	2.183762	0.030343	0.346321
	-0.15279	-2.1875	0.030065	0.345167
	-0.17235	-2.18506	0.030247	0.345916
	0.261184	2.188963	0.029956	0.344902
	0.345033	2.181396	0.030521	0.3471
	-0.19919	-2.18475	0.03027	0.346001
BTN3A2	0.444322	2.186312	0.030153	0.345531
C7orf50;MAFK;GPER1	-0.32876	-2.18931	0.029931	0.344892
	0.161194	2.185477	0.030215	0.345819
	0.242504	2.181766	0.030493	0.34705
	0.239503	2.18549	0.030214	0.345819
HSH2D;ENSG00000269399	0.158153	2.185387	0.030222	0.345845
TMEM255B;F10;GAS6;TFDP1;TMCO3;ENSG00000267868;ADP RHL1;ATP11A	-0.35429	-2.18551	0.030213	0.345819

RPS23P6	0.244503	2.187798	0.030043	0.345129
	0.361581	2.187546	0.030061	0.345167
CEACAM6;CEACAM7	0.158992	2.185638	0.030203	0.345786
GALE;ENSG00000261326;RCAN3;FUCA1	0.159237	2.189566	0.029912	0.344851
BAIAP2;PCYT2;SLC25A10;CCDC40;MAFG-AS1;NOTUM	-0.35037	-2.18502	0.030249	0.345917
DNAJC16;ENSG00000228140	0.427206	2.180498	0.030588	0.347167
	0.273069	2.186746	0.030121	0.345401
METTL13	0.21902	2.186012	0.030175	0.345636
ELF3;UBE2T;TIMM17A;C1orf106;CSRP1;PPP1R12B;LAD1;LGR6	-0.33447	-2.18967	0.029904	0.344799
	-0.4686	-2.18665	0.030128	0.345416
FGFR4;COL23A1;PDLIM7;ARL10;DBN1;N4BP3;TSPAN17	-0.32496	-2.18738	0.030074	0.345182
	0.208529	2.18773	0.030048	0.345155
	0.216671	2.189693	0.029902	0.344799
	0.185213	2.185768	0.030194	0.345733
	0.144139	2.190197	0.029865	0.344638
	0.1537	2.178286	0.030755	0.347797
	0.244879	2.17833	0.030752	0.347774
	-0.20315	-2.18466	0.030276	0.346032
	0.270609	2.185776	0.030193	0.345733
	0.281374	2.189077	0.029948	0.344892
	-0.25358	-2.183	0.030401	0.346664
	0.259776	2.184624	0.030279	0.346034
TBC1D10C	0.315405	2.189925	0.029885	0.344743
	-0.14682	-2.18852	0.029989	0.345022
	0.234205	2.182899	0.030408	0.346693
KDM5B;CSRP1;LMOD1;TIMM17A;TMEM183A	-0.26034	-2.19088	0.029815	0.344314
MRGPRF	-0.2252	-2.18757	0.030059	0.345167
SLC37A3;HIPK2;TTC26;ATP6V0A4;KIAA1549;KDM7A;PARP12;M				
KRN1;DENND2A;TMEM213;ZC3HAV1;KLRG2	-0.33851	-2.18741	0.030071	0.345182
	0.241797	2.182796	0.030416	0.346721
	0.134735	2.182714	0.030422	0.346749
	-0.32825	-2.18294	0.030405	0.346676
	0.163501	2.184626	0.030279	0.346034
	-0.24519	-2.18427	0.030306	0.346135
	0.260185	2.183615	0.030354	0.346358
	-0.23355	-2.18933	0.029929	0.344892
	0.292448	2.187092	0.030095	0.345262
NSUN7;SMIM14;APBB2;ENSG00000249241;RBM47;CHRNA9;U				
GDH;LIMCH1;UGDH-AS1	-0.21435	-2.17794	0.030782	0.347829
	0.173027	2.186443	0.030143	0.345485
	-0.15684	-2.186	0.030176	0.34564
	0.275463	2.185352	0.030225	0.345845
ZNF57;TJP3;S1PR4;MATK;AES;SEMA6B	0.295201	2.178566	0.030734	0.347715
	-0.2123	-2.18598	0.030178	0.345647
C5orf42;LMBRD2;SPEF2;CAPSL	-0.30138	-2.18409	0.030319	0.346231
	-0.26789	-2.18749	0.030065	0.345167

	0.224722	2.186684	0.030125	0.345416
	0.193997	2.185081	0.030245	0.345911
	0.300646	2.180454	0.030592	0.347167
	0.276956	2.182329	0.030451	0.346882
	-0.18738	-2.18811	0.030019	0.345067
	0.226523	2.179757	0.030644	0.347293
	-0.23752	-2.18121	0.030535	0.347132
PLEKHB2	0.270433	2.183047	0.030397	0.34665
	-0.24824	-2.18395	0.030329	0.34626
PTPN14	-0.30152	-2.1856	0.030206	0.345786
CKMT2	0.244279	2.183926	0.030331	0.346269
	0.177643	2.186075	0.030171	0.345601
	0.20152	2.183903	0.030333	0.346275
JHDM1D-AS1	0.276687	2.187132	0.030092	0.345259
	0.175814	2.183129	0.030391	0.346607
	0.448634	2.18717	0.030089	0.345251
	0.120572	2.188453	0.029994	0.345023
	0.133885	2.185188	0.030237	0.345867
SH3YL1	-0.27457	-2.18628	0.030155	0.345531
	-0.18868	-2.17865	0.030727	0.34767
	-0.23013	-2.18343	0.030368	0.346455
	0.256869	2.185611	0.030205	0.345786
	0.216268	2.188092	0.030021	0.345067
CCDC40;ENSG00000263069;BAIAP2-AS1	-0.13811	-2.1834	0.03037	0.346458
ROR1;LEPR;AK4;ENSG00000224570;ENSG00000223949;ENSG0				
0000226891;DNAJC6	-0.24975	-2.18487	0.030261	0.345966
	0.165553	2.187192	0.030088	0.345242
	0.148523	2.184564	0.030283	0.346035
NNMT;ANKK1;TTC12;ZBTB16;NCAM1	0.243023	2.177803	0.030792	0.347898
	0.328628	2.188032	0.030025	0.345071
	-0.23593	-2.18046	0.030591	0.347167
FOXF1;FENDRR;ENSG00000262601;FOXL1;CRISPLD2;KIAA0513	-0.24236	-2.18256	0.030433	0.346815
	-0.33147	-2.18813	0.030018	0.345067
	0.276987	2.188045	0.030024	0.345071
	0.21798	2.187098	0.030095	0.345262
	-0.19333	-2.1899	0.029887	0.34475
	0.243987	2.188619	0.029982	0.345
ENSG00000259358	-0.31912	-2.17805	0.030773	0.347826
SLC37A1;PDE9A;PRDM15;TMPRSS2	-0.17584	-2.18443	0.030293	0.346069
	-0.14624	-2.18107	0.030546	0.347132
SCARB1;ZNF664	0.234979	2.187311	0.030079	0.345196
	-0.24042	-2.18012	0.030617	0.347213
	0.129576	2.186298	0.030154	0.345531
	0.230465	2.179386	0.030672	0.347324
	0.114796	2.174825	0.031018	0.348869
	0.266303	2.181514	0.030512	0.347071

	0.221451	2.179745	0.030645	0.347293
	-0.22666	-2.18801	0.030027	0.345071
	0.157132	2.182537	0.030435	0.346825
	0.312543	2.188237	0.03001	0.345067
IL22RA1;RUNX3;RCAN3;STPG1;NIPAL3	-0.30623	-2.18415	0.030314	0.346185
	-0.18702	-2.18838	0.03	0.345046
EPT1;RAB10;GAREML;GPN1;HADHB;KCNK3	-0.20996	-2.18232	0.030451	0.346882
HLA-DOA;C6orf10;HLA-DPB1;HLA-DPA1;UQCC2;HCG25;TAP2	-0.25257	-2.1828	0.030416	0.346721
ITGB7	0.133434	2.187495	0.030065	0.345167
	0.246811	2.186313	0.030153	0.345531
	-0.15245	-2.18703	0.0301	0.34529
	-0.25693	-2.18526	0.030232	0.345845
	-0.18372	-2.18484	0.030262	0.345976
	-0.24347	-2.18053	0.030586	0.347167
	-0.21483	-2.18457	0.030283	0.346035
	-0.20955	-2.18579	0.030192	0.345733
SEMA6D;FBN1;FGF7;ENSG00000213862	0.314609	2.178062	0.030772	0.347826
	0.278984	2.186609	0.030131	0.345424
ANO2;VWF;ATN1;MRPL51;CD9	-0.18309	-2.18469	0.030274	0.346023
	-0.16558	-2.18214	0.030465	0.346936
	0.214439	2.179606	0.030656	0.347293
	-0.22997	-2.18278	0.030417	0.346721
	-0.17739	-2.18277	0.030418	0.346721
	0.152557	2.185344	0.030225	0.345845
	-0.21809	-2.1843	0.030303	0.346115
GIPC3;PTPRS;LRG1	-0.2188	-2.18081	0.030565	0.347132
	0.158867	2.185774	0.030193	0.345733
	-0.1963	-2.18118	0.030537	0.347132
	-0.16493	-2.18347	0.030365	0.346428
	0.225998	2.186112	0.030168	0.345601
	0.208013	2.181207	0.030535	0.347132
	-0.31152	-2.18341	0.03037	0.346458
FAM180A	0.217201	2.184358	0.030299	0.346099
	0.243446	2.185713	0.030198	0.345753
	0.245208	2.186043	0.030173	0.345619
C11orf21;ENSG00000255367;FAM86GP	0.266404	2.186106	0.030168	0.345601
	-0.19941	-2.18038	0.030597	0.347176
	0.22453	2.179651	0.030652	0.347293
	-0.18642	-2.18446	0.030291	0.346054
	-0.16249	-2.18253	0.030436	0.346825
	-0.31034	-2.18141	0.03052	0.347096
	0.137708	2.180585	0.030582	0.347167
GOLGA8H	-0.26828	-2.18475	0.030269	0.346001
ST6GALNAC1;SLC16A5;ICT1;SPHK1;FDXR;SMIM6;SMIM5;MRPS 7;ST6GALNAC2;GALK1;PRPSAP1;CASKIN2	-0.28243	-2.18241	0.030445	0.346862
	0.167309	2.187592	0.030058	0.345167

GRASP;ACVR1B;KRT80;ACVRL1;ITGB7;TENC1;KRT18;OR7E47P; KRT7;BIN2;KRT8;SLC4A8	-0.34319	-2.18511	0.030243	0.345899
	0.256401	2.180964	0.030553	0.347132
	0.235904	2.18618	0.030163	0.345595
	-0.18556	-2.17898	0.030703	0.347512
PLCG2;ENSG00000260682;CDYL2;GAN	-0.22913	-2.17835	0.030751	0.347772
	0.199108	2.183897	0.030333	0.346275
	-0.16156	-2.1825	0.030438	0.346829
	0.252441	2.179713	0.030648	0.347293
REN;LGR6;RABIF;TMEM183A;PRELP;PPFIA4	-0.22779	-2.18556	0.030209	0.345807
	0.280355	2.180155	0.030614	0.34721
ENSG00000228972	0.227584	2.186124	0.030167	0.345601
	-0.23075	-2.18468	0.030274	0.346023
	-0.37838	-2.18546	0.030216	0.345819
ITGB3	0.265869	2.181045	0.030547	0.347132
MLLT4;ENSG00000228648;ENSG00000231720	-0.28617	-2.17935	0.030675	0.347324
	0.161919	2.184886	0.030259	0.345959
	-0.14036	-2.18194	0.03048	0.346988
NID1;RYR2;ACTN2;LGALS8	0.238271	2.181588	0.030506	0.347071
	0.248071	2.179493	0.030664	0.347307
	0.217467	2.181173	0.030538	0.347132
	-0.32598	-2.18376	0.030343	0.346321
	0.18382	2.184946	0.030255	0.34594
	0.390835	2.187486	0.030066	0.345167
SMTN;EMID1	0.195102	2.180166	0.030613	0.34721
	-0.15118	-2.18547	0.030216	0.345819
	-0.22442	-2.17958	0.030658	0.347293
EMR2	-0.15508	-2.18102	0.030549	0.347132
HMHA1;ARID3A;PPAP2C;REEP6	-0.23483	-2.18233	0.03045	0.346882
	0.298452	2.178945	0.030706	0.347519
PSTPIP1;WDR61;PSMA4	-0.21863	-2.17979	0.030642	0.347293
	0.281238	2.185967	0.030179	0.345647
	-0.25051	-2.18473	0.030271	0.346009
ENSG00000141854;SYDE1;RASAL3;TECR;NOTCH3;GIPC1;ZNF33 3	-0.39571	-2.17923	0.030684	0.347394
	0.247676	2.186083	0.03017	0.345601
SLC7A11;RAB33B	0.364096	2.174569	0.031038	0.348988
	0.259466	2.183233	0.030383	0.346537
SCUBE1	0.201042	2.184526	0.030286	0.346035
	0.32833	2.182171	0.030463	0.346936
	0.18614	2.182714	0.030422	0.346749
	0.286077	2.1864	0.030146	0.3455
TBX2;TBX4;ENSG00000267137;BRIP1	0.219679	2.181469	0.030515	0.347071
DNTTIP2;ABCD3	-0.30649	-2.18127	0.03053	0.347132
	-0.20136	-2.18152	0.030511	0.347071
ENSG00000238120;FBLN1;ENSG00000226328;NUP50;PHF21B; ENSG00000230922;RIBC2	0.220944	2.180264	0.030606	0.347202

	-0.1509	-2.18483	0.030264	0.345979
TINAGL1	-0.21522	-2.18052	0.030587	0.347167
	0.207898	2.184334	0.030301	0.346099
GOLGA5	0.201822	2.185931	0.030181	0.345669
	-0.36529	-2.18758	0.030059	0.345167
	0.150169	2.187374	0.030074	0.345182
	-0.27495	-2.18433	0.030301	0.346099
	-0.23923	-2.18454	0.030285	0.346035
	-0.19313	-2.18489	0.030259	0.345959
FGD5;FBLN2;GRIP2	0.21732	2.181559	0.030509	0.347071
	-0.17632	-2.18117	0.030538	0.347132
	0.186482	2.185625	0.030204	0.345786
	0.259212	2.186319	0.030153	0.345531
FTH1P4	0.287908	2.182658	0.030426	0.346779
CIITA;TNFRSF17;DEXI	0.204667	2.181452	0.030517	0.347071
RABGGTA	0.198739	2.183199	0.030385	0.346557
	-0.48288	-2.1828	0.030415	0.346721
	-0.1814	-2.1815	0.030513	0.347071
	0.143209	2.179828	0.030639	0.347293
	0.118091	2.182786	0.030416	0.346721
RBM4B	0.174569	2.182966	0.030403	0.346673
	0.311962	2.182768	0.030418	0.346721
	0.162971	2.181137	0.03054	0.347132
	-0.21328	-2.18395	0.030329	0.34626
	-0.28974	-2.18398	0.030327	0.34626
GIMAP8;GIMAP7;GIMAP6;REPIN1;GIMAP5;GIMAP1;GIMAP4;Z				
NF398;LRRC61	-0.27203	-2.17747	0.030817	0.34795
RUNX3	-0.33994	-2.18463	0.030278	0.346034
	0.17361	2.176823	0.030866	0.348156
LONRF2;CNOT11;TBC1D8	-0.29196	-2.17428	0.03106	0.349063
	0.270523	2.175883	0.030938	0.348489
LRRC27;INPP5A;ECHS1	0.280342	2.178104	0.030769	0.347826
	-0.19188	-2.18586	0.030186	0.345698
	0.18636	2.180642	0.030577	0.347167
	-0.20944	-2.18145	0.030517	0.347071
	0.229218	2.18048	0.03059	0.347167
	0.217493	2.178402	0.030747	0.347763
	0.297926	2.177983	0.030778	0.347829
	-0.28202	-2.1838	0.030341	0.346321
	-0.18862	-2.18094	0.030555	0.347132
TGIF2;PIGU	0.269399	2.186928	0.030107	0.345337
	-0.28051	-2.18387	0.030335	0.346282
	0.236405	2.184253	0.030307	0.346138
	-0.25632	-2.18417	0.030313	0.346183
	-0.2501	-2.18218	0.030462	0.346936
	0.114956	2.177246	0.030834	0.348034
F12	-0.1841	-2.18008	0.03062	0.347224

	-0.24129	-2.18086	0.030561	0.347132
	0.28371	2.182113	0.030467	0.346949
	0.213989	2.180123	0.030617	0.347213
MIR143HG;MIR143	-0.22855	-2.18567	0.030201	0.345784
	0.213543	2.181486	0.030514	0.347071
	-0.25556	-2.17133	0.031286	0.349951
SRGAP3-AS2	0.301749	2.182593	0.030431	0.346804
	0.142264	2.183688	0.030349	0.346351
	0.179758	2.184679	0.030275	0.346023
GDPD5	0.188122	2.180199	0.030611	0.34721
GIMAP8;GIMAP7;GIMAP5;GIMAP4;GIMAP6;ATG9B	-0.16657	-2.18075	0.030569	0.347132
	0.219031	2.180231	0.030608	0.347202
	0.117668	2.183238	0.030382	0.346537
	-0.17616	-2.18165	0.030501	0.347071
ENSG00000224272;GAL3ST2;NEU4;KIF1A	-0.51254	-2.18205	0.030471	0.346962
	0.17775	2.184968	0.030253	0.345936
	-0.2712	-2.17759	0.030808	0.347917
	0.266391	2.181836	0.030488	0.347038
ENSG00000259763	0.21078	2.182007	0.030475	0.346983
	-0.26293	-2.18168	0.0305	0.347071
	0.180464	2.181577	0.030507	0.347071
	-0.17868	-2.18525	0.030232	0.345845
	0.232522	2.181896	0.030483	0.347005
	0.214127	2.183552	0.030359	0.346385
	0.15984	2.178369	0.030749	0.347763
	0.345754	2.18023	0.030609	0.347202
	-0.1817	-2.18497	0.030253	0.345936
CD19	0.175287	2.177037	0.03085	0.348094
MORN1;CEP104;TTC34;FAM213B;SKI;ENSG00000269896;MEG F6;TPRG1L;ARHGEF16;PLCH2;TP73	-0.29504	-2.17852	0.030738	0.347726
	0.160745	2.175581	0.030961	0.348545
	0.456079	2.185011	0.03025	0.345917
	-0.29805	-2.18209	0.030469	0.346953
CARD11	-0.279	-2.18332	0.030376	0.346496
	-0.31394	-2.1846	0.030281	0.346035
	0.140636	2.182692	0.030423	0.346758
ZC2HC1C;ISCA2;GPATCH2L;IFT43;MLH3;FCF1	-0.30836	-2.18154	0.03051	0.347071
	0.130126	2.175779	0.030946	0.348489
	0.180063	2.180586	0.030582	0.347167
CAMTA1;SLC45A1	-0.20773	-2.18084	0.030563	0.347132
	-0.22289	-2.18072	0.030572	0.347155
	-0.24448	-2.17968	0.03065	0.347293
	0.262088	2.180395	0.030596	0.347172
	-0.30281	-2.18262	0.030429	0.346803
	-0.38946	-2.18103	0.030548	0.347132
	0.287078	2.177366	0.030825	0.347992
	0.144044	2.181291	0.030529	0.347132

	0.203523	2.181287	0.030529	0.347132
	-0.15966	-2.18403	0.030323	0.346252
	-0.31018	-2.1821	0.030468	0.34695
EXOC3L4	0.177381	2.18613	0.030167	0.345601
	-0.12968	-2.17946	0.030667	0.347318
	0.241378	2.180778	0.030567	0.347132
	-0.29397	-2.18307	0.030395	0.346642
	0.170807	2.181005	0.03055	0.347132
PCYT2;BAIAP2-AS1;MAFG-AS1;LRRC45;BAIAP2;SLC25A10	-0.39001	-2.18261	0.03043	0.346803
RAMP3;CCM2	-0.28967	-2.18376	0.030344	0.346321
	0.199442	2.181929	0.030481	0.346988
	0.205778	2.183881	0.030334	0.346279
DYSF;SNRPG;ADD2;PCBP1-AS1;FAM136A	-0.25926	-2.18476	0.030268	0.346001
	-0.24278	-2.17331	0.031134	0.349402
GRASP	0.213933	2.185332	0.030226	0.345845
	0.246684	2.180639	0.030578	0.347167
	0.217173	2.180969	0.030553	0.347132
	-0.1797	-2.18176	0.030493	0.34705
	-0.35846	-2.182	0.030476	0.346983
WNT9A;HIST3H2A	-0.28961	-2.17797	0.030779	0.347829
	0.145577	2.177607	0.030807	0.347917
SLC2A1-AS1	0.178557	2.182075	0.03047	0.346953
	0.255859	2.179522	0.030662	0.347307
	-0.19457	-2.18501	0.03025	0.345917
	-0.23052	-2.18153	0.030511	0.347071
TCTEX1D4;CCDC24	0.235762	2.181926	0.030481	0.346988
	-0.181	-2.18012	0.030617	0.347213
	-0.28577	-2.18329	0.030378	0.346514
	0.108621	2.174718	0.031026	0.348903
	0.259582	2.182227	0.030458	0.346925
	-0.23154	-2.18029	0.030604	0.347202
ENSG00000198832;SMTN	-0.26726	-2.18131	0.030527	0.347132
	-0.14895	-2.18448	0.03029	0.346054
	-0.26783	-2.17771	0.030799	0.347904
CENPM;PMM1	0.281466	2.180511	0.030587	0.347167
	-0.2325	-2.1723	0.031211	0.349749
CCDC37	-0.25419	-2.18249	0.030439	0.346829
DNAAF1	0.417335	2.18494	0.030255	0.34594
	-0.25269	-2.18097	0.030553	0.347132
	0.259648	2.175898	0.030937	0.348489
	-0.14936	-2.18157	0.030508	0.347071
ARL16	0.252821	2.180499	0.030588	0.347167
	-0.51605	-2.18548	0.030215	0.345819
LIMK1;CLIP2;ENSG00000232415;GTF2IRD2	0.126692	2.179522	0.030662	0.347307
	-0.28368	-2.18454	0.030286	0.346035
	-0.3288	-2.17873	0.030722	0.347631

EGF	0.273993	2.174396	0.031051	0.349036
	0.269118	2.178553	0.030735	0.347716
PMEPA1;ZBP1;RAE1	-0.25855	-2.17051	0.031349	0.350161
RYR2;NID1;ACTN2;MTR;B3GALNT2	-0.32541	-2.17883	0.030714	0.347576
EVC;CRMP1;STX18;STK32B;TMEM128	-0.24868	-2.18177	0.030493	0.34705
RASL12	0.24402	2.176715	0.030874	0.348167
	0.156771	2.176742	0.030872	0.348162
PITPNC1	-0.289	-2.18194	0.03048	0.346988
TMEM80	-0.19794	-2.1849	0.030258	0.345959
RBL2	0.366256	2.176607	0.030883	0.348233
GJC1;MPP2;GPATCH8;HDAC5;HEXIM1;ENSG00000267505;EFT				
UD2;ENSG00000267405;FZD2;HIGD1B	0.259542	2.182298	0.030453	0.346885
	-0.32848	-2.18039	0.030596	0.347172
ENSG00000229162;SRRM1	-0.23559	-2.17911	0.030693	0.347462
ADCY7;BRD7	-0.28744	-2.17665	0.030879	0.348213
	-0.21307	-2.17803	0.030775	0.347826
	0.112743	2.1808	0.030566	0.347132
	0.211982	2.178059	0.030773	0.347826
	-0.34496	-2.17971	0.030648	0.347293
OLFML2B;MPZ;DDR2;PVRL4;F11R;UAP1;ARHGAP30;C1orf226;F				
CGR3B;KLHDC9;C1orf110;USF1	0.320007	2.179633	0.030654	0.347293
	0.307606	2.182398	0.030446	0.346862
	-0.18221	-2.18364	0.030352	0.346355
	-0.19948	-2.17334	0.031132	0.349397
ENSG00000272142	0.25511	2.185039	0.030248	0.345917
	0.227501	2.180964	0.030553	0.347132
	0.174744	2.178907	0.030708	0.347541
	-0.16572	-2.184	0.030325	0.346252
	0.126017	2.17594	0.030933	0.348489
	-0.30983	-2.17939	0.030672	0.347324
	0.19069	2.175749	0.030948	0.348489
	0.287868	2.180902	0.030558	0.347132
	0.256878	2.180583	0.030582	0.347167
CISD3;LINC00672;PLXDC1	0.199141	2.181369	0.030523	0.347114
	-0.27947	-2.18076	0.030568	0.347132
	0.25004	2.178756	0.03072	0.347616
	0.277576	2.183522	0.030361	0.346392
	-0.18811	-2.18039	0.030596	0.347172
	-0.14356	-2.1768	0.030868	0.348156
	0.111901	2.178974	0.030703	0.347512
	-0.26565	-2.17766	0.030802	0.347915
	0.277029	2.180875	0.03056	0.347132
OGN	-0.16826	-2.17971	0.030647	0.347293
	-0.21815	-2.18016	0.030614	0.34721
	0.341343	2.179986	0.030627	0.347254
	-0.19009	-2.181	0.03055	0.347132
	0.134007	2.178436	0.030744	0.347763

	-0.21705	-2.17658	0.030885	0.348237
TNS3	0.283784	2.182999	0.0304	0.346664
	0.180596	2.181023	0.030549	0.347132
YKT6	0.116168	2.181162	0.030538	0.347132
SUN1;PSMG3	-0.31477	-2.18396	0.030328	0.34626
FLT3	0.195472	2.176123	0.03092	0.348402
	0.187936	2.175811	0.030943	0.348489
ENSG00000264198;IKZF3;PLXDC1;ERBB2	-0.33684	-2.18077	0.030568	0.347132
SHANK2-AS1;SHANK2	-0.34776	-2.17358	0.031113	0.349273
FNDC5;S100PBP	0.219293	2.183364	0.030373	0.346471
EML6	0.245303	2.180694	0.030574	0.347165
ERG;WRB;HMGN1;LCA5L	-0.37881	-2.18167	0.0305	0.347071
PDE6B	0.259353	2.179604	0.030656	0.347293
	-0.13967	-2.18047	0.030591	0.347167
FES;CRTC3;CIB1;UNC45A	-0.26958	-2.17472	0.031027	0.348903
	0.288842	2.180328	0.030601	0.347202
PEAR1;NES;ASH1L;MUC1;LAMTOR2;RAB25;MEF2D;SMG5;SYT1				
1;ARHGEF2;MTX1;DAP3;CCT3;HDGF;ENSG00000273002;SSR2	-0.28373	-2.17987	0.030636	0.347293
	0.209347	2.179808	0.03064	0.347293
	-0.21993	-2.17588	0.030938	0.348489
B3GNT2;XPO1;ENSG00000231609	-0.26024	-2.17173	0.031255	0.349837
	0.273932	2.178235	0.030759	0.347797
	-0.19271	-2.17717	0.03084	0.348072
	-0.15234	-2.18078	0.030567	0.347132
MAP4;KIF9-AS1;KIF9;PTH1R	-0.12809	-2.18063	0.030578	0.347167
	0.228593	2.179631	0.030654	0.347293
	-0.25505	-2.18127	0.030531	0.347132
VAMP8;TCF7L1;DNAH6	-0.37414	-2.18167	0.0305	0.347071
	0.334659	2.178201	0.030762	0.347806
LMCD1;GRM7;SRGAP3-AS2;SRGAP3;GRM7-AS1	0.254519	2.175874	0.030938	0.348489
SLC17A9;RGS19;STMN3;ENSG00000267848	0.335934	2.182445	0.030442	0.34684
	-0.19453	-2.17227	0.031214	0.349749
	-0.17575	-2.17471	0.031027	0.348903
LOH12CR1	-0.24698	-2.17579	0.030945	0.348489
	-0.4448	-2.18168	0.030499	0.347071
	-0.15159	-2.18017	0.030613	0.34721
MLKL	-0.31357	-2.18199	0.030476	0.346983
SNTN	0.220143	2.175629	0.030957	0.348536
	-0.28364	-2.17822	0.030761	0.347802
	-0.22947	-2.17691	0.030859	0.348135
SCARB1;ZNF664;BRI3BP;GTF2H3;NCOR2	-0.2132	-2.17938	0.030673	0.347324
CARS	0.24754	2.180025	0.030624	0.347243
	0.235824	2.18357	0.030358	0.346378
	-0.24186	-2.18043	0.030594	0.347172
	0.299718	2.178481	0.030741	0.34775
SP140;SP100;SP110;GPR55	0.409242	2.181928	0.030481	0.346988

	0.10159	2.18219	0.030461	0.346936
	-0.24443	-2.18124	0.030532	0.347132
	0.288413	2.172747	0.031177	0.349597
	0.286972	2.179661	0.030651	0.347293
FSD1L	-0.22887	-2.17528	0.030983	0.348663
	0.163392	2.180596	0.030581	0.347167
	-0.22018	-2.17193	0.03124	0.349837
	0.179465	2.181632	0.030503	0.347071
	-0.2887	-2.18421	0.03031	0.346166
ENSG00000269282	-0.14342	-2.17869	0.030725	0.347655
	-0.30872	-2.17965	0.030652	0.347293
	0.173372	2.179274	0.030681	0.347384
ITGAL;CORO1A;SPN;CD19;ZNF48;ENSG00000260219;ZNF768;C16orf54	0.25574	2.181002	0.03055	0.347132
	-0.13582	-2.18114	0.03054	0.347132
	-0.13349	-2.17824	0.030759	0.347797
	0.198482	2.1718	0.03125	0.349837
	-0.23492	-2.18002	0.030624	0.347243
ARL15;CDC20B	-0.32383	-2.17986	0.030636	0.347293
	-0.19308	-2.17561	0.030959	0.348536
C1QBP;NUP88;NLRP1	-0.26684	-2.181	0.030551	0.347132
	-0.2408	-2.17681	0.030867	0.348156
RNF8	0.245724	2.182323	0.030451	0.346882
SH2D4A;CSGALNACT1	-0.28202	-2.17706	0.030849	0.348087
DOCK2;LCP2;KCNMB1	-0.27358	-2.17743	0.03082	0.347961
	0.154665	2.178074	0.030771	0.347826
SEPT4;ENSG00000261040;RNF43;TRIM37;PPM1E;GDPD1;DHX40	0.236168	2.173867	0.031091	0.349179
	0.283008	2.177813	0.030791	0.347898
	0.231034	2.173744	0.031101	0.349218
	-0.22764	-2.18032	0.030602	0.347202
SNORA2B	-0.24668	-2.18025	0.030607	0.347202
RASAL3;KLF2;BRD4	-0.26867	-2.17774	0.030796	0.347904
PML	-0.16644	-2.17826	0.030758	0.347797
	0.180793	2.182469	0.03044	0.346829
TBC1D4	0.370858	2.177108	0.030845	0.348076
KIAA1731	-0.27097	-2.18176	0.030494	0.34705
	0.27624	2.177695	0.0308	0.347907
RUNX3	0.290819	2.18438	0.030297	0.346099
	0.25631	2.180108	0.030618	0.347214
	-0.19148	-2.17715	0.030841	0.348074
	0.201289	2.176898	0.030861	0.34814
	-0.17557	-2.17897	0.030703	0.347512
	-0.26263	-2.17119	0.031296	0.349973
ESRP2;FAM65A;CDH1;SLC12A4;NFATC3;RLTPR;TMEM208;CBFB;TRADD	-0.35201	-2.17771	0.030799	0.347904
ZNF404;ZNF229	-0.26838	-2.17632	0.030905	0.348326

ENSG00000225711	-0.16894	-2.17762	0.030806	0.347917
	-0.26163	-2.18076	0.030569	0.347132
	-0.28469	-2.18281	0.030415	0.346721
	0.158534	2.181336	0.030525	0.347132
TTLL6;LRRC46	0.20492	2.180202	0.030611	0.34721
PEAR1	0.190598	2.179986	0.030627	0.347254
	-0.29451	-2.18089	0.030559	0.347132
	0.22503	2.181804	0.03049	0.34705
	0.138024	2.182795	0.030416	0.346721
	0.215969	2.177337	0.030827	0.347998
	-0.24157	-2.18103	0.030548	0.347132
	-0.20735	-2.18214	0.030465	0.346936
MRPL23-AS1;NAP1L4	-0.36189	-2.1779	0.030785	0.347845
	-0.1324	-2.17627	0.030908	0.348344
RUNX3	0.349582	2.182343	0.03045	0.346882
	-0.24845	-2.17673	0.030873	0.348162
	-0.1957	-2.17964	0.030653	0.347293
	0.231878	2.178377	0.030748	0.347763
	0.183996	2.177625	0.030805	0.347917
LRRC8C;GBP5;GBP2;GBP6;GEMIN8P4;GBP4	-0.26971	-2.17183	0.031247	0.349837
	-0.14837	-2.16978	0.031405	0.350316
	-0.32226	-2.18055	0.030584	0.347167
ADAMTS6	0.265117	2.175502	0.030967	0.348567
SPOCK2	0.263382	2.179575	0.030658	0.347293
RASSF1	0.276909	2.182187	0.030461	0.346936
TMEM53;TIE1;TMEM125;PTPRF	-0.24157	-2.18007	0.03062	0.347224
	-0.30881	-2.17728	0.030832	0.348017
	0.1705	2.18085	0.030562	0.347132
	0.242823	2.17383	0.031094	0.349179
	-0.28259	-2.1792	0.030686	0.347403
	-0.27758	-2.17352	0.031118	0.349309
	-0.3137	-2.17801	0.030776	0.347829
	0.298633	2.178395	0.030747	0.347763
	-0.19664	-2.17402	0.03108	0.349142
	0.279683	2.182014	0.030474	0.346983
	0.274702	2.178033	0.030775	0.347826
	-0.27244	-2.17505	0.031001	0.348779
	0.155547	2.178813	0.030716	0.347576
MBOAT2;HPCAL1;KLF11;ENSG00000261104;CPSF3;ENSG00000				
188525;CYS1	-0.22054	-2.17795	0.030781	0.347829
	0.892154	2.183769	0.030343	0.346321
USP35	0.294462	2.173729	0.031102	0.349222
ENSG00000267121;FMNL1	-0.2321	-2.18154	0.03051	0.347071
SEL1L3	0.188067	2.174511	0.031042	0.349006
	-0.26524	-2.18227	0.030455	0.346902
	0.157589	2.180853	0.030562	0.347132
	0.309088	2.179931	0.030631	0.347273

	0.169957	2.180873	0.03056	0.347132
	0.165887	2.1772	0.030838	0.348064
	0.218759	2.180904	0.030558	0.347132
	-0.25898	-2.17414	0.031071	0.349124
	0.265856	2.180812	0.030565	0.347132
	0.263919	2.180576	0.030582	0.347167
	0.177595	2.174384	0.031052	0.349036
IGFBP4;FKBP10	0.281532	2.175892	0.030937	0.348489
DPY19L2	-0.18038	-2.17832	0.030753	0.347774
RYR2;NID1;MTR	-0.32542	-2.18094	0.030555	0.347132
	-0.43584	-2.18187	0.030485	0.347017
	0.140851	2.180515	0.030587	0.347167
MYD88;ITGA9;SCN11A;ENSG00000235257;NDUFAF4P3	-0.35775	-2.17856	0.030734	0.347715
	-0.2194	-2.1794	0.030671	0.347324
	0.161314	2.174922	0.031011	0.348818
	0.252853	2.179602	0.030656	0.347293
	0.303004	2.178129	0.030767	0.347826
EMILIN1	-0.25708	-2.17441	0.03105	0.349036
	-0.27049	-2.17576	0.030947	0.348489
	-0.25718	-2.18091	0.030558	0.347132
STARD9;DLL4;RHOV;LRRC57;SPINT1;TMEM87A;ENSG00000261 183	-0.39692	-2.17894	0.030706	0.347519
	0.239424	2.181761	0.030493	0.34705
	0.201933	2.169883	0.031397	0.350313
	0.249264	2.180292	0.030604	0.347202
PLEKHG1	-0.29601	-2.17595	0.030932	0.348489
	0.212066	2.174242	0.031063	0.349069
KMT2A	-0.20617	-2.17951	0.030663	0.347307
	0.112164	2.179447	0.030668	0.347319
	0.260978	2.179186	0.030687	0.347404
EGFL7;NPDC1;EXD3;FAM69B;EHMT1	0.298976	2.179363	0.030674	0.347324
	-0.29453	-2.17442	0.031049	0.349036
RN7SL2;GNG2	-0.17112	-2.17337	0.03113	0.349397
RPS16	-0.19319	-2.17992	0.030632	0.347274
RPL18A	0.207827	2.182585	0.030431	0.346804
BAIAP2	0.182489	2.178882	0.03071	0.347554
	0.313712	2.17528	0.030984	0.348663
	-0.21308	-2.17812	0.030768	0.347826
ID3;HSPG2;USP48;LDLRAD2	0.366121	2.175488	0.030968	0.348567
CATSPERB;ENSG00000268657;TC2N;ATXN3;ENSG0000026071 1	-0.38635	-2.17922	0.030684	0.347394
	-0.13328	-2.17758	0.030809	0.347917
BHLHE22	-0.32743	-2.16583	0.031711	0.351235
	-0.20014	-2.17729	0.030831	0.348016
	0.356875	2.173806	0.031096	0.349183
	0.289049	2.176973	0.030855	0.34813
	-0.24608	-2.17513	0.030995	0.348746

OSBPL3;DFNA5	-0.25821	-2.17966	0.030651	0.347293
	0.197586	2.179877	0.030635	0.347293
	0.124471	2.180622	0.030579	0.347167
ENSG00000232344;SMCR8;DRG2	0.251825	2.176385	0.0309	0.348319
	-0.1996	-2.17798	0.030778	0.347829
	0.227379	2.17625	0.03091	0.348355
	-0.30388	-2.17966	0.030651	0.347293
FLNB;DNASE1L3;IL17RD;ENSG00000242428	-0.29807	-2.17462	0.031034	0.348963
	-0.28018	-2.18078	0.030567	0.347132
SH3BP1	-0.20191	-2.17804	0.030774	0.347826
COL1A1;ENSG00000248954;PPP1R9B;LRRC59	-0.37966	-2.17523	0.030987	0.348685
ARL1	-0.18797	-2.18027	0.030605	0.347202
	-0.17141	-2.17946	0.030667	0.347318
	0.204266	2.174193	0.031067	0.349099
ATF7;TENC1;PFDN5	-0.2995	-2.17513	0.030995	0.348746
	0.243622	2.174572	0.031038	0.348988
	-0.26056	-2.17407	0.031076	0.349124
	0.291267	2.174087	0.031075	0.349124
NOVA2;SNRPD2;HIF3A	-0.2625	-2.17569	0.030953	0.348515
ENSG00000235300	-0.17798	-2.1823	0.030453	0.346885
	-0.11917	-2.17902	0.0307	0.347512
	-0.22526	-2.17241	0.031203	0.349722
PLA2G4C;SEPW1;EHD2	-0.28993	-2.17312	0.031149	0.349488
	0.289865	2.181127	0.030541	0.347132
	-0.14278	-2.17746	0.030818	0.347955
PIBF1	0.324734	2.178137	0.030767	0.347826
	-0.20833	-2.17175	0.031254	0.349837
PIK3CD;CASZ1	0.38256	2.179948	0.03063	0.347268
	0.147672	2.178639	0.030729	0.34767
	-0.36805	-2.17576	0.030947	0.348489
	-0.21504	-2.17437	0.031053	0.349038
	-0.22786	-2.1781	0.030769	0.347826
SOD3;PI4K2B;SLC34A2;CCDC149;LGI2	0.490321	2.17612	0.03092	0.348402
ENSG00000259628	-0.21144	-2.1784	0.030746	0.347763
	0.120576	2.168923	0.031471	0.350532
	-0.26341	-2.1763	0.030906	0.348327
	-0.23412	-2.17759	0.030808	0.347917
CPNE5	-0.26074	-2.17501	0.031005	0.348791
CHRM3-AS2;CHRM3	-0.2991	-2.16634	0.031671	0.351144
	-0.25246	-2.17636	0.030902	0.348319
	-0.16556	-2.16947	0.031429	0.350352
	-0.20084	-2.17967	0.030651	0.347293
	0.171464	2.17922	0.030685	0.347394
	-0.28012	-2.17717	0.03084	0.348072
	0.209799	2.171458	0.031276	0.349934
	0.185235	2.175424	0.030973	0.348607
	0.188894	2.176949	0.030857	0.348135

ABI3;HOXB4;TBKBP1;HOXB3;GNGT2	-0.25702	-2.17638	0.0309	0.348319
	0.246286	2.180483	0.03059	0.347167
	-0.16252	-2.17318	0.031144	0.349471
ENSG00000259345	0.17599	2.176817	0.030867	0.348156
	-0.13123	-2.17797	0.030779	0.347829
	-0.1878	-2.16616	0.031685	0.351206
	-0.24113	-2.17636	0.030902	0.348319
	0.281491	2.177063	0.030848	0.348087
	-0.42224	-2.17898	0.030703	0.347512
DOPEY2;CBR3-AS1	-0.25264	-2.1717	0.031257	0.349837
GMPPA	0.266914	2.171402	0.03128	0.349944
SHANK2;SHANK2-AS1	0.289082	2.177417	0.030821	0.347961
PSMD13	0.197114	2.179728	0.030646	0.347293
	0.324175	2.172463	0.031199	0.349694
	-0.18519	-2.17682	0.030867	0.348156
	0.270324	2.179622	0.030654	0.347293
TMC8;TMC6	-0.37646	-2.17601	0.030928	0.34848
CES3;RANBP10;CES4A	-0.20101	-2.17252	0.031195	0.349694
	0.114651	2.168666	0.031491	0.350624
	-0.22652	-2.17757	0.03081	0.347917
	0.120541	2.177487	0.030816	0.34795
	-0.24736	-2.1692	0.03145	0.350375
IFT80	-0.28215	-2.17472	0.031026	0.348903
	-0.26337	-2.17936	0.030674	0.347324
	-0.12752	-2.16565	0.031725	0.35126
SLC30A9	-0.34201	-2.1795	0.030663	0.347307
MARVELD1	0.2126	2.173947	0.031085	0.349145
THBS2	-0.39969	-2.17733	0.030828	0.347998
PSMG3	0.192734	2.179015	0.0307	0.347512
ADAMTSL2;GBGT1;C9orf9;MED22;C9orf171;AK8;SARDH;SLC2A6	0.173227	2.176774	0.03087	0.348156
	-0.14443	-2.17623	0.030912	0.348356
ITGB7;ACVR1B	0.217778	2.179586	0.030657	0.347293
	-0.16085	-2.17792	0.030783	0.347838
	0.283186	2.172237	0.031216	0.349749
	-0.12381	-2.17079	0.031328	0.350094
	-0.24348	-2.17415	0.03107	0.349124
SDC4;PIGT;TOMM34;DNTTIP1;ADA	-0.30641	-2.17772	0.030798	0.347904
	-0.23856	-2.1806	0.030581	0.347167
	-0.18385	-2.17473	0.031025	0.348903
	0.266861	2.179495	0.030664	0.347307
	-0.21898	-2.17123	0.031294	0.349964
	0.227998	2.17709	0.030846	0.348076
	-0.23844	-2.17385	0.031093	0.349179
	-0.24572	-2.17757	0.03081	0.347917
	0.299889	2.178814	0.030715	0.347576
	0.297368	2.179744	0.030645	0.347293

	0.187441	2.164471	0.031817	0.35167
CLEC10A;ACAP1	0.290099	2.18002	0.030624	0.347243
KAZALD1	0.284135	2.176785	0.030869	0.348156
	0.213082	2.178241	0.030759	0.347797
	0.262686	2.17938	0.030673	0.347324
	0.252973	2.177289	0.030831	0.348016
	0.230657	2.178645	0.030728	0.34767
B3GNT7	0.172834	2.175783	0.030945	0.348489
ENSG00000262370;IL32;CREBBP;FLYWCH1	-0.37612	-2.17427	0.031061	0.349064
	0.263468	2.171189	0.031297	0.349973
	0.237831	2.169511	0.031426	0.350352
NOTCH4;SLC44A4;CLIC1;TNXB;NELFE;FKBPL;HSPA1A;ENSG0000				
0225914;C6orf10;HSPA1B;RNF5	-0.22342	-2.1771	0.030845	0.348076
CACNA1C;CACNA1C-AS4;TSPAN9;CACNA1C-				
IT3;RHNO1;FKBP4;ITFG2;NRIP2;TULP3;PRMT8	-0.32903	-2.17139	0.031281	0.349944
MLKL	-0.27691	-2.17909	0.030695	0.34747
	0.256183	2.176329	0.030904	0.348323
	0.262659	2.175821	0.030942	0.348489
HSD3B7	0.222602	2.179221	0.030685	0.347394
HIST2H2BA;ENSG00000231365	-0.35016	-2.17216	0.031222	0.349749
	0.136268	2.176934	0.030858	0.348135
CBX2;ENSG00000178404	0.227547	2.174945	0.031009	0.348812
PSMG3	0.203838	2.175739	0.030949	0.348489
	0.206645	2.177129	0.030843	0.348074
CDH5	-0.25909	-2.17844	0.030744	0.347763
GJC2;WNT3A	-0.161	-2.17208	0.031229	0.349752
	0.227822	2.178186	0.030763	0.347809
	0.2897	2.178051	0.030773	0.347826
	0.225222	2.175702	0.030952	0.348512
	-0.18918	-2.17623	0.030911	0.348356
	0.099389	2.173765	0.031099	0.34921
PDPK1	0.224642	2.177718	0.030798	0.347904
	-0.22854	-2.17615	0.030917	0.3484
TSPAN15;TET1	0.190013	2.174917	0.031011	0.348818
	-0.2413	-2.17383	0.031095	0.349179
	0.171647	2.172685	0.031182	0.349618
	0.211695	2.174982	0.031006	0.348792
	-0.23963	-2.17752	0.030813	0.347937
	0.148008	2.178413	0.030746	0.347763
	0.245117	2.176394	0.030899	0.348319
FAM178B;FER1L5;TMEM131	-0.1837	-2.17757	0.03081	0.347917
	0.243966	2.17736	0.030826	0.347992
	-0.24524	-2.17393	0.031087	0.349151
	-0.19023	-2.17196	0.031238	0.349826
	-0.11258	-2.16964	0.031416	0.350352
	-0.13842	-2.17823	0.030759	0.347797
RSG1;CROCC;ENSG00000233421;MFAP2	-0.22554	-2.16929	0.031443	0.350352

	0.218532	2.171752	0.031253	0.349837
	0.223948	2.171428	0.031278	0.34994
	0.249908	2.169337	0.031439	0.350352
	0.261168	2.177422	0.030821	0.347961
LINC00996	-0.23588	-2.17643	0.030896	0.348319
	-0.24235	-2.17424	0.031063	0.349069
	-0.25908	-2.17258	0.03119	0.349669
MAP4K3	0.207318	2.177936	0.030782	0.347829
FOXC1	-0.2776	-2.16783	0.031556	0.350899
	0.294464	2.176505	0.03089	0.348275
ENSG00000196674	-0.20525	-2.16763	0.031571	0.350969
	0.143736	2.176771	0.03087	0.348156
	0.119102	2.173034	0.031155	0.349508
	0.323008	2.175515	0.030966	0.348567
CD96;BTLA	-0.36423	-2.17537	0.030976	0.348618
	-0.33365	-2.17995	0.03063	0.347268
	-0.21402	-2.16614	0.031686	0.351207
	-0.13193	-2.17579	0.030945	0.348489
LINC00689	0.188483	2.173956	0.031085	0.349145
	0.159069	2.172065	0.031229	0.349752
ARHGEF25;ENSG00000224713;TSPAN31;SLC26A10;B4GALNT1; R3HDM2;LRP1;PIP4K2C;ENSG00000257698;NDUFA4L2;NAB2	-0.31955	-2.17247	0.031198	0.349694
	0.104437	2.174015	0.03108	0.349142
SNAPIN;S100A6;S100A11;THEM4;NPR1	0.304035	2.173549	0.031116	0.349294
ENSG00000264198;IKZF3	-0.22863	-2.17613	0.030919	0.348402
	0.248787	2.176185	0.030915	0.348382
	-0.21656	-2.17003	0.031386	0.350297
	0.239094	2.17368	0.031106	0.349241
	0.20268	2.174896	0.031013	0.348822
	-0.19993	-2.17184	0.031247	0.349837
	0.195594	2.17636	0.030901	0.348319
	0.195774	2.177554	0.030811	0.347917
TNFRSF10A;TNFRSF10B;TNFRSF10D	-0.23167	-2.17599	0.03093	0.348487
	-0.29347	-2.17541	0.030974	0.348608
GNG2;NID2	-0.34344	-2.17561	0.030958	0.348536
	0.235549	2.176942	0.030857	0.348135
CEP104	0.203032	2.171644	0.031262	0.349848
ZNF629;ITGAL;CORO1A	-0.34215	-2.18024	0.030608	0.347202
	-0.21565	-2.17299	0.031158	0.349514
ATP6V1B1	0.242724	2.17772	0.030798	0.347904
	0.207818	2.177685	0.030801	0.347907
TACC1;GPR124;FGFR1;DDHD2;PPAPDC1B;PLEKHA2;RAB11FIP1; ERLIN2	0.311934	2.170751	0.03133	0.350094
	0.196238	2.176838	0.030865	0.348156
	0.218899	2.169211	0.031449	0.350375
	0.304922	2.175188	0.030991	0.348714

	-0.28865	-2.17509	0.030998	0.348763
SLC22A23;ENSG00000260604;ENSG00000272320;ENSG00000				
233068;SERPINB6;BPHL	0.224099	2.175578	0.030961	0.348545
RBM20	-0.31882	-2.17674	0.030872	0.348162
	0.284405	2.17593	0.030934	0.348489
SCARB1;BRI3BP;GTF2H3;ZNF664	-0.25134	-2.17509	0.030998	0.348763
	0.201586	2.172191	0.03122	0.349749
	0.277283	2.178374	0.030749	0.347763
	0.208049	2.176339	0.030903	0.348323
HLA-DRB1;HLA-DQA1;HLA-DQA2;HLA-DRB5;HLA-DQB1	0.523774	2.174763	0.031023	0.348903
	0.180684	2.175835	0.030941	0.348489
	0.203292	2.177479	0.030817	0.34795
	0.253163	2.171822	0.031248	0.349837
	0.246462	2.168688	0.031489	0.350618
	0.247461	2.168345	0.031516	0.350709
	0.262849	2.177124	0.030843	0.348074
APOL1;RBFOX2;APOL6;APOL2;HMOX1;NDUFA9P1	-0.31519	-2.17698	0.030854	0.34813
	0.177366	2.174474	0.031045	0.349024
	0.130261	2.17452	0.031042	0.349006
	0.124651	2.174387	0.031052	0.349036
	0.329089	2.175835	0.030941	0.348489
C9orf47;S1PR3	0.218123	2.17167	0.03126	0.349848
	0.318801	2.168706	0.031488	0.350618
	0.183947	2.170843	0.031323	0.350094
	-0.15077	-2.16842	0.03151	0.350689
	-0.18311	-2.17534	0.030979	0.34864
	0.245871	2.173243	0.031139	0.349428
	0.53983	2.174093	0.031074	0.349124
	-0.23717	-2.17101	0.031311	0.350051
	0.184591	2.175786	0.030945	0.348489
HCP5;ENSG00000235781	-0.34867	-2.17097	0.031314	0.350051
	0.307692	2.172548	0.031192	0.349685
	0.219232	2.17775	0.030796	0.347904
	-0.21536	-2.17472	0.031026	0.348903
	0.177938	2.16928	0.031444	0.350352
	0.186764	2.173039	0.031155	0.349508
ACVR2B	0.223048	2.173677	0.031106	0.349241
	0.352895	2.177851	0.030788	0.347875
	0.179624	2.172275	0.031213	0.349749
	-0.14568	-2.17397	0.031083	0.349145
	0.220431	2.172681	0.031182	0.349618
	0.151231	2.174299	0.031058	0.349054
	0.164568	2.173088	0.031151	0.349488
	-0.19017	-2.17232	0.03121	0.349749
	0.267064	2.17161	0.031264	0.349853
JHDM1D-AS1;DENND2A;KDM7A;ENSG00000271537	0.168706	2.172121	0.031225	0.349749
RPF1	0.242551	2.168612	0.031495	0.350625

IGHA2;KIF26A	-0.26908	-2.17361	0.031111	0.349273
	-0.20778	-2.17397	0.031084	0.349145
PRICKLE1	0.321841	2.172763	0.031176	0.349597
	0.125856	2.174505	0.031043	0.349006
YARS;LCK	0.140764	2.17659	0.030884	0.348237
SCARB1;ZNF664;BRI3BP	-0.25799	-2.1755	0.030967	0.348567
CARD8;HRC;PLA2G4C	0.301612	2.170013	0.031387	0.350297
ADCY2	0.175649	2.167929	0.031548	0.350875
MYH10;ENSG00000270606;ARHGEF15;NTN1;MPDU1;VAMP2;				
ATP1B2;PER1;ZBTB4;MFSD6L	0.281464	2.175528	0.030965	0.348567
	0.27382	2.167707	0.031565	0.350911
	0.218198	2.163562	0.031888	0.35196
	-0.24601	-2.17326	0.031138	0.349426
	-0.33575	-2.1765	0.030891	0.348275
	0.284392	2.171838	0.031247	0.349837
	-0.18074	-2.17662	0.030882	0.348231
WNT16;AASS;CPED1	0.290074	2.169397	0.031435	0.350352
KRT23	-0.30243	-2.17538	0.030976	0.348618
SALL2;ANG	0.209384	2.169664	0.031414	0.350352
WDR61;DNAJA4;ADAMTS7;ACSBG1;TSPAN3;CTSH;PSMA4;PSTP				
IP1;IDH3A;ENSG00000269951	-0.30978	-2.16901	0.031464	0.350472
MAL2	-0.37313	-2.17593	0.030934	0.348489
KRT6A;SMAGP	0.397194	2.171717	0.031256	0.349837
	-0.17449	-2.17293	0.031163	0.349538
	-0.18912	-2.17498	0.031007	0.348792
SOX10;SH3BP1	-0.25901	-2.17136	0.031284	0.349951
ENSG00000261659;ENSG00000196674;NME4	0.443758	2.176011	0.030928	0.34848
FAM114A1	-0.17652	-2.17146	0.031276	0.349934
	-0.64701	-2.16519	0.031761	0.3514
CTBP2;LHPP;CPXM2	-0.22565	-2.16739	0.031589	0.351006
	0.18103	2.170086	0.031381	0.350297
PTGDS	-0.1733	-2.1764	0.030899	0.348319
ENSG00000264198;IKZF3;ERBB2	-0.24588	-2.17504	0.031002	0.348779
	0.217992	2.170556	0.031345	0.350159
	0.259778	2.173135	0.031147	0.349488
ZNF831	0.197947	2.172864	0.031168	0.34957
	0.308137	2.176493	0.030891	0.348275
TNS1;SPEG;STK11IP;RQCD1;PNKD;STK16;GLB1L	0.309915	2.17142	0.031279	0.34994
	0.262926	2.171108	0.031303	0.350003
	0.150678	2.178843	0.030713	0.347576
	0.182958	2.174688	0.031029	0.348914
WDR45B;PCYT2;MAFG-AS1;METRNL	-0.24093	-2.17037	0.03136	0.35021
	0.132808	2.16932	0.031441	0.350352
FAM201A;ALDH1B1;ANKRD18A;SNX18P3;CNTNAP3	-0.26299	-2.16982	0.031402	0.350313
	0.260121	2.17065	0.031338	0.350126
WDR45B;PCYT2;NOTUM;C17orf62	-0.32984	-2.16985	0.0314	0.350313
SLCO5A1	-0.30182	-2.17432	0.031057	0.349049

MEFV	0.146676	2.170603	0.031342	0.350148
	0.158837	2.173674	0.031106	0.349241
	-0.31088	-2.17409	0.031074	0.349124
	-0.14336	-2.17434	0.031055	0.349047
	0.235552	2.17656	0.030886	0.348245
	0.170868	2.175902	0.030936	0.348489
	0.199593	2.175001	0.031005	0.348791
ALDH1A3;TARSL2;ENSG00000259583	-0.36555	-2.17779	0.030793	0.347902
	0.240728	2.173991	0.031082	0.349145
CYGB	-0.16204	-2.17294	0.031162	0.349538
ENSG00000269640	-0.17869	-2.16683	0.031633	0.351111
	-0.2985	-2.17035	0.031361	0.350214
	-0.15361	-2.1721	0.031227	0.349749
ENSG00000262601;KIAA0513	-0.46161	-2.17489	0.031013	0.348822
	0.241938	2.166523	0.031657	0.351144
	-0.16025	-2.16949	0.031427	0.350352
	-0.23557	-2.1675	0.031581	0.350987
	0.190527	2.173256	0.031138	0.349426
HMHA1;MOB3A;ZNF57;GNG7	-0.27411	-2.17691	0.030859	0.348135
	0.310846	2.17124	0.031293	0.349964
WDR45B;MAFG-AS1;PCYT2;TBCD;ENSG00000265678	-0.27817	-2.1708	0.031326	0.350094
ARHGEF10;CLN8	-0.27698	-2.16372	0.031875	0.351914
	0.272183	2.172752	0.031177	0.349597
SSBP3	0.21588	2.173642	0.031109	0.34926
IQCA1	0.204925	2.170292	0.031366	0.350214
RAET1E	-0.28248	-2.17714	0.030842	0.348074
	-0.25938	-2.1717	0.031257	0.349837
	0.178785	2.16992	0.031394	0.350313
	-0.20829	-2.17165	0.031261	0.349848
	0.178808	2.174092	0.031074	0.349124
	0.203414	2.172596	0.031189	0.349662
	-0.31052	-2.17542	0.030973	0.348607
	0.186878	2.172332	0.031209	0.349749
	0.280082	2.167768	0.031561	0.350899
	0.313881	2.17562	0.030958	0.348536
CSF1;KCNC4-AS1	-0.35034	-2.1716	0.031265	0.349853
	0.161335	2.173346	0.031131	0.349397
	0.253071	2.169485	0.031428	0.350352
VPS25;ATP6V0A1;CNTD1;COA3;BECN1;FKBP10;COASY;STAT5B	-0.30858	-2.17246	0.031199	0.349694
	0.247004	2.167109	0.031612	0.351044
	-0.2314	-2.17278	0.031174	0.349597
	0.110061	2.171077	0.031305	0.350015
	-0.24753	-2.17342	0.031126	0.349389
GIMAP8;NOS3;GIMAP6;GIMAP5;GIMAP7;GIMAP1;GIMAP4	0.247174	2.173395	0.031128	0.349397
	0.24672	2.172074	0.031229	0.349752

	0.226396	2.174357	0.031054	0.349041
	0.24971	2.175328	0.03098	0.34864
NRXN2;PRDX5;SNX15	0.1819	2.171861	0.031245	0.349837
	0.277462	2.172982	0.031159	0.349514
	0.298097	2.173593	0.031112	0.349273
	0.263545	2.175658	0.030955	0.348531
	0.266118	2.17055	0.031346	0.350159
PSTPIP1	-0.17395	-2.16632	0.031672	0.351144
GRHL2;SPAG1	-0.23605	-2.1704	0.031358	0.35021
	-0.3808	-2.17221	0.031219	0.349749
	0.226318	2.167173	0.031607	0.351015
	-0.16135	-2.17076	0.03133	0.350094
	0.27671	2.173108	0.03115	0.349488
	-0.24273	-2.17409	0.031075	0.349124
	0.25812	2.168771	0.031483	0.350618
RPL23AP32;ERLEC1;PSME4	-0.22756	-2.16821	0.031527	0.350721
	-0.2468	-2.17095	0.031315	0.350051
	0.10437	2.168696	0.031489	0.350618
	-0.20074	-2.17095	0.031315	0.350051
PPAP2C;FSTL3;ARID3A;SHC2;MISP;PALM;ADAMTSL5;ATP8B3;H				
MHA1	-0.33654	-2.17432	0.031057	0.349049
SH3BP2	0.279685	2.171165	0.031298	0.349985
	0.18706	2.166225	0.03168	0.351178
	-0.47592	-2.16572	0.03172	0.35126
	-0.14763	-2.17264	0.031185	0.349636
	0.244086	2.165752	0.031717	0.35126
SLC36A1;ZNF300P1;GPX3	-0.23773	-2.17241	0.031203	0.349722
	0.280256	2.175507	0.030966	0.348567
	-0.17612	-2.17221	0.031219	0.349749
LCK	-0.25917	-2.17335	0.031131	0.349397
ADAMTS2;COL23A1;ZNF354C;MAML1	0.261448	2.16895	0.031469	0.350517
	-0.18806	-2.1721	0.031226	0.349749
	0.146004	2.1657	0.031721	0.35126
RBM47;APBB2;UGDH;SMIM14	0.223158	2.16919	0.031451	0.350375
ENSG00000250790	-0.22174	-2.17526	0.030985	0.34867
	0.172209	2.166618	0.03165	0.351135
PLVAP;JAK3;USHBP1;MYO9B;NR2F6;FCHO1;B3GNT3;MAST3	-0.25543	-2.16909	0.031458	0.350431
	0.233292	2.170861	0.031322	0.350094
	-0.18125	-2.17163	0.031263	0.349852
	-0.2962	-2.17037	0.031359	0.35021
	-0.23654	-2.17408	0.031075	0.349124
	-0.26801	-2.1731	0.03115	0.349488
	-0.26972	-2.17382	0.031095	0.349179
	0.243891	2.16994	0.031393	0.350313
TBC1D10C;CTSW;GSTP1;PTPRCAP	0.297276	2.173888	0.03109	0.349177
	0.234742	2.173826	0.031095	0.349179

	0.291692	2.169712	0.03141	0.350347
	-0.33285	-2.17456	0.031039	0.34899
FANCA	-0.20546	-2.17	0.031388	0.350297
	-0.18238	-2.17336	0.03113	0.349397
	0.199244	2.168712	0.031487	0.350618
	0.286393	2.171892	0.031243	0.349837
RLTPR;DPEP2;CES2;FAM65A	-0.2523	-2.17185	0.031246	0.349837
LAT2;NCF1B;GTF2I	0.164963	2.170061	0.031383	0.350297
	0.126376	2.169291	0.031443	0.350352
	-0.1902	-2.16905	0.031462	0.350453
	0.256149	2.167871	0.031553	0.350889
	-0.28006	-2.17236	0.031207	0.349749
	-0.24798	-2.17017	0.031375	0.350297
	-0.67028	-2.1691	0.031457	0.350431
	-0.15202	-2.16741	0.031588	0.351006
	-0.15251	-2.16971	0.03141	0.350347
	0.174298	2.175037	0.031002	0.348779
LEF1	-0.37674	-2.16701	0.031619	0.351056
FAM151B;ENSG00000249042;ZFYVE16;MSH3;RASGRF2	-0.40109	-2.17032	0.031363	0.350214
SPSB1;PIK3CD	-0.35476	-2.17227	0.031214	0.349749
RNF166;PIEZO1;CBFA2T3;SPIRE2;GAS8;ENSG00000259881	-0.26344	-2.17006	0.031384	0.350297
PEAR1;NES;MEF2D;ARHGEF2;SH2D2A;HDGF;CCT3;FCRL5;RAB2 5	-0.23332	-2.17403	0.031079	0.349142
	-0.26606	-2.1708	0.031326	0.350094
	0.233391	2.168403	0.031511	0.350689
	-0.26489	-2.16741	0.031589	0.351006
	0.255987	2.168398	0.031512	0.350689
	0.199586	2.170465	0.031352	0.350179
	-0.17408	-2.17033	0.031363	0.350214
	-0.28164	-2.17177	0.031252	0.349837
	-0.13646	-2.16865	0.031492	0.350625
SH3BP2	0.256686	2.172992	0.031158	0.349514
	-0.16108	-2.16504	0.031773	0.351465
ATP8B2;SHE;TDRD10;NPR1;DENND4B;S100A6;GATAD2B;SNAPI N;SLC27A3;C1orf43;JTB;CREB3L4;UBE2Q1	-0.26237	-2.16948	0.031429	0.350352
	0.193037	2.168581	0.031498	0.350633
	-0.33658	-2.17092	0.031317	0.350063
	-0.19717	-2.17129	0.031289	0.349951
	-0.20208	-2.17113	0.031301	0.350003
HIST1H4J;HIST1H4H	0.232962	2.168826	0.031479	0.350596
	0.247384	2.164692	0.031799	0.351613
	-0.21307	-2.17302	0.031156	0.349512
	0.286657	2.170677	0.031336	0.350126
	-0.16179	-2.16456	0.031809	0.351633
AIF1;PSMB8;TAP1;LST1;HLA-C;HLA-B	-0.26376	-2.17309	0.031151	0.349488
	-0.16379	-2.16752	0.03158	0.350986

	-0.29882	-2.17316	0.031146	0.349485
	-0.16001	-2.16855	0.0315	0.350639
UNC13B;ANXA2P2;STOML2;DCTN3	-0.25802	-2.16581	0.031713	0.351235
	0.201553	2.16928	0.031444	0.350352
GAS6;TMEM255B;TFDP1;TUBGCP3;F10;ADPRHL1;ATP11A	-0.26027	-2.17176	0.031253	0.349837
	0.200902	2.165453	0.03174	0.35127
KIAA1731	0.244812	2.172755	0.031177	0.349597
	0.305929	2.172102	0.031227	0.349749
ACTRT3	-0.14649	-2.16984	0.031401	0.350313
	-0.1521	-2.16818	0.031528	0.350721
	0.200242	2.170029	0.031386	0.350297
	0.240507	2.172881	0.031167	0.349565
	-0.18916	-2.17439	0.031052	0.349036
	0.299455	2.16732	0.031595	0.351006
	-0.2314	-2.16546	0.03174	0.35127
	0.205389	2.16933	0.03144	0.350352
ITGB2;TRPM2	0.304005	2.173596	0.031112	0.349273
HES6	0.237193	2.168709	0.031488	0.350618
NEUROD2	0.195156	2.172238	0.031216	0.349749
	0.336171	2.172766	0.031176	0.349597
EXOC3L4;KIF26A;C14orf2;INF2;ADSSL1;EIF5;ENSG00000259508 ;TNFAIP2	-0.35514	-2.17065	0.031338	0.350126
TRAF3IP1;HES6;ENSG00000232306	-0.27878	-2.17247	0.031199	0.349694
	0.263457	2.170971	0.031313	0.350051
	-0.35965	-2.16737	0.031591	0.351006
	0.252863	2.1719	0.031242	0.349837
	0.267519	2.171277	0.03129	0.349951
AMPD3;MRVI1;ZBED5	-0.27866	-2.16788	0.031552	0.350889
	0.222642	2.168193	0.031528	0.350721
FGFR2	0.397995	2.167098	0.031612	0.351044
	0.195819	2.170292	0.031366	0.350214
ZC3H7A	-0.17366	-2.16979	0.031404	0.350316
GTDC1;ZEB2	-0.29427	-2.17175	0.031254	0.349837
	0.167375	2.17249	0.031197	0.349694
	-0.21787	-2.1686	0.031496	0.350626
DAPK2;HERC1	0.326502	2.172831	0.031171	0.34959
FSTL3	-0.23494	-2.16779	0.031559	0.350899
CLIC6;KCNE1;LINC00310	-0.42321	-2.16642	0.031665	0.351144
	-0.28566	-2.16549	0.031737	0.35127
HERC1;TLN2;ENSG00000259459;USP3-AS1;USP3;ENSG00000259498;DAPK2	-0.33494	-2.16087	0.032098	0.352913
MLLT4;ENSG00000231720	0.318275	2.172151	0.031223	0.349749
	0.181615	2.17175	0.031254	0.349837
	0.274314	2.169213	0.031449	0.350375
	-0.36882	-2.17067	0.031337	0.350126
	0.16449	2.169894	0.031396	0.350313

NEK2;BATF3	-0.28913	-2.17265	0.031184	0.349632
	-0.28079	-2.16964	0.031416	0.350352
	-0.30801	-2.16979	0.031404	0.350316
	-0.25253	-2.17112	0.031302	0.350003
	0.307171	2.165695	0.031721	0.35126
	0.246275	2.169478	0.031428	0.350352
	0.287575	2.167425	0.031587	0.351006
	0.290958	2.169347	0.031439	0.350352
	0.160086	2.166419	0.031665	0.351144
	0.224931	2.169623	0.031417	0.350352
MYOM2	-0.34046	-2.16925	0.031446	0.350371
MADD;AMBRA1	0.263832	2.168218	0.031526	0.350721
	0.165092	2.17149	0.031273	0.349925
TBC1D10C	-0.33744	-2.17202	0.031232	0.349777
	-0.21773	-2.16553	0.031735	0.35127
	-0.19317	-2.17332	0.031133	0.349398
	0.223552	2.170056	0.031384	0.350297
	0.190094	2.168779	0.031482	0.350618
DYNC1I1;SGCE	-0.28792	-2.1657	0.031721	0.35126
SLCO2B1;C11orf30;ENSG00000255507;POLD3;ENSG00000179				
240;MAP6	0.212726	2.168526	0.031502	0.350653
	-0.17383	-2.16874	0.031485	0.350618
	0.266589	2.162784	0.031948	0.35219
	-0.19789	-2.1703	0.031365	0.350214
	-0.20683	-2.17001	0.031388	0.350297
	0.221267	2.169691	0.031412	0.350352
	0.254066	2.171322	0.031286	0.349951
	0.251209	2.172238	0.031216	0.349749
	0.130212	2.168304	0.031519	0.350713
ITGA1;PELO	-0.39261	-2.1668	0.031636	0.351119
	-0.20383	-2.1659	0.031706	0.35122
	-0.36044	-2.17219	0.03122	0.349749
TPMT	0.251721	2.168058	0.031538	0.350805
	0.205183	2.17333	0.031133	0.349398
	0.31708	2.170571	0.031344	0.350159
STAT2;TESPA1	0.37449	2.172152	0.031223	0.349749
	-0.14515	-2.1583	0.032301	0.353771
PEAR1;HDGF;KIRREL	0.17524	2.16645	0.031663	0.351144
	0.188615	2.166721	0.031642	0.351129
EBF3	-0.21814	-2.16456	0.031809	0.351633
ADCY3;DNAJC27;DNAJC27-				
AS1;PFN4;NCOA1;DNMT3A;ITSN2;ENSG00000115128	-0.2553	-2.16643	0.031665	0.351144
	-0.20806	-2.17084	0.031324	0.350094
	0.330542	2.172787	0.031174	0.349597
	-0.20585	-2.17084	0.031323	0.350094
DZIP1	-0.26897	-2.16602	0.031696	0.351214
	-0.3695	-2.16939	0.031435	0.350352

FCGBP;CEACAM21	-0.25726	-2.17216	0.031222	0.349749
	0.276212	2.172154	0.031223	0.349749
	0.307545	2.171336	0.031285	0.349951
	0.263897	2.170972	0.031313	0.350051
	0.170756	2.167743	0.031562	0.350899
	0.143226	2.172483	0.031197	0.349694
TMEM232	0.1586	2.165346	0.031748	0.351322
	0.213376	2.169832	0.031401	0.350313
C3orf67;ABHD6;FLNB;ENSG00000242428	-0.37603	-2.16723	0.031602	0.351006
	0.26109	2.165806	0.031713	0.351235
RNF34	0.247159	2.172108	0.031226	0.349749
	0.286423	2.167742	0.031563	0.350899
SNHG3	0.198409	2.172325	0.031209	0.349749
	-0.13898	-2.16209	0.032003	0.352419
	0.29644	2.170101	0.03138	0.350297
	0.218708	2.172723	0.031179	0.349609
	0.264617	2.168614	0.031495	0.350625
	-0.18758	-2.16673	0.031641	0.351129
	-0.23768	-2.16684	0.031633	0.351111
SMG9;ZNF221	0.17773	2.169815	0.031402	0.350313
	0.195359	2.174448	0.031047	0.349036
	-0.29845	-2.17128	0.03129	0.349951
SLC16A11	0.223025	2.165941	0.031702	0.351214
	0.2006	2.167278	0.031598	0.351006
	-0.28752	-2.16931	0.031441	0.350352
	-0.24371	-2.17011	0.03138	0.350297
CEP85	-0.21765	-2.1711	0.031303	0.350003
	0.127312	2.170615	0.031341	0.350146
ANKH;RBBP4P1;FAM134B	0.274179	2.165699	0.031721	0.35126
	0.258975	2.169832	0.031401	0.350313
	0.187141	2.164301	0.03183	0.351736
	-0.22054	-2.17153	0.03127	0.3499
	-0.1944	-2.16818	0.031528	0.350721
CD9;IFFO1;LEPREL2;PLEKHG6;CLSTN3;SCNN1A;ENSG00000257				
084;VWF;CD27;ANO2;GNB3;SPSB2;NTF3;LPCAT3;TPI1	-0.38196	-2.16829	0.03152	0.350713
	-0.23433	-2.17165	0.031261	0.349848
CARD8	0.300066	2.172922	0.031164	0.349538
	0.264443	2.168425	0.03151	0.350689
	0.236163	2.167074	0.031614	0.351045
	0.201754	2.17046	0.031353	0.350179
GPATCH8;RPL27;MEOX1	-0.19829	-2.16922	0.031448	0.350375
RARRES3	-0.16441	-2.16742	0.031587	0.351006
	0.118807	2.170124	0.031379	0.350297
PTPRN2;ENSG00000231980;LINC00689;WDR60	0.158965	2.166285	0.031675	0.35115
	-0.18487	-2.16797	0.031545	0.35086
RPS18;SYNGAP1;RPL32P1	-0.17054	-2.16491	0.031782	0.351496

KIRREL;LRRC71;PEAR1;NES;HDGF;MEF2D;TSACC;KIRREL-IT1	-0.47595	-2.1626	0.031963	0.352237
	-0.23585	-2.16965	0.031415	0.350352
	0.183607	2.16747	0.031584	0.350992
	0.171826	2.170371	0.03136	0.35021
	-0.19651	-2.16805	0.031538	0.350805
PCDHB9	-0.25528	-2.16337	0.031902	0.352004
SMIM20	0.253348	2.165922	0.031704	0.351214
CBX2;C1QTNF1;TIMP2;ENSG00000178404;ENSG00000267491;				
USP36	-0.25761	-2.16963	0.031417	0.350352
	-0.28641	-2.16009	0.03216	0.35322
	0.171748	2.167541	0.031578	0.350986
	-0.25887	-2.17052	0.031348	0.350161
	-0.32295	-2.17132	0.031287	0.349951
ENSG00000241764;LAMB1	0.274365	2.170733	0.031332	0.3501
	-0.27518	-2.1727	0.031181	0.349618
	0.224937	2.157156	0.032391	0.35397
	-0.23329	-2.16725	0.031601	0.351006
	0.192864	2.170957	0.031314	0.350051
	0.265283	2.16594	0.031702	0.351214
	-0.35395	-2.17122	0.031294	0.349964
TRAF3IP1;LINC01107	-0.261	-2.17066	0.031337	0.350126
	0.201124	2.166064	0.031693	0.351214
	0.251677	2.171015	0.03131	0.350051
ANKH;DNAH5	-0.31247	-2.15278	0.032739	0.355175
	-0.21309	-2.16747	0.031584	0.350992
	-0.29385	-2.16954	0.031424	0.350352
	0.239483	2.166553	0.031655	0.351144
DNAJB1;GIPC1;TECR;LYL1;CACNA1A;EMR2;ENSG00000141854;				
SAMD1	-0.22608	-2.17173	0.031255	0.349837
	0.207218	2.166982	0.031621	0.351061
	0.126692	2.168403	0.031511	0.350689
MTND2P28;SCNN1D	0.217773	2.171922	0.03124	0.349837
C20orf85;TUBB1;ENSG00000225806	-0.16162	-2.16612	0.031689	0.351214
PTGIR	0.188058	2.159633	0.032196	0.353332
	0.250126	2.16557	0.031731	0.351266
FAM41C	-0.22667	-2.17127	0.031291	0.349951
	-0.26122	-2.1703	0.031365	0.350214
	0.293083	2.171595	0.031265	0.349853
	-0.32207	-2.16581	0.031712	0.351235
TBC1D10C;RBM14	0.218809	2.172104	0.031226	0.349749
CIRBP;ENSG00000267530	0.400616	2.168261	0.031522	0.350721
	-0.20505	-2.16328	0.03191	0.352016
ATP10A	-0.38028	-2.17046	0.031353	0.350179
	0.707479	2.167806	0.031558	0.350899
	0.327646	2.166623	0.031649	0.351135
	0.357699	2.170109	0.03138	0.350297

PPP1R18;HCP5;C6orf10;SLC44A4;TNXB;NOTCH4;HLA-B;HSPA1A;HSPA1B;DDR1;GPSM3;LTB	-0.25592	-2.16606	0.031693	0.351214
	-0.15698	-2.16942	0.031433	0.350352
	-0.30121	-2.1713	0.031288	0.349951
	-0.13489	-2.16699	0.031621	0.351061
SLC35B3;BMP6;DSP	-0.30134	-2.1643	0.03183	0.351736
CECR7;BCL2L13	-0.2442	-2.16559	0.03173	0.351266
TUBGCP3;TMEM255B;TMCO3;GAS6;ATP11A	0.227505	2.169518	0.031425	0.350352
	-0.1317	-2.16464	0.031804	0.351613
	-0.17398	-2.16586	0.031708	0.351235
TSPAN32;CARS;NAP1L4;CDKN1C;OSBPL5;IGF2	-0.22531	-2.17138	0.031282	0.349944
SLC50A1;ASH1L;MEF2D;FLAD1;SYT11;RAB25;LAMTOR2;MTX1;ARHGEF2;SMG5;MUC1;CCT3;KCNN3;ADAR	-0.2326	-2.16829	0.03152	0.350713
	-0.12879	-2.15794	0.032329	0.353825
SLC7A5;FANCA	0.24125	2.170766	0.031329	0.350094
	-0.28789	-2.17077	0.031329	0.350094
	0.20578	2.169717	0.03141	0.350347
	-0.2203	-2.16171	0.032033	0.352589
	0.218344	2.170794	0.031327	0.350094
	0.183691	2.159116	0.032236	0.353493
MIR600HG;RC3H2	-0.14782	-2.17145	0.031277	0.349934
	-0.21318	-2.16908	0.031459	0.350431
SLC4A11	0.156984	2.163815	0.031868	0.351884
	-0.34218	-2.16375	0.031873	0.351906
	0.162163	2.169824	0.031402	0.350313
	-0.29581	-2.16591	0.031704	0.351214
	0.256025	2.170547	0.031346	0.350159
ENSG00000261471;ATP2C2;OSGIN1	-0.47344	-2.16982	0.031402	0.350313
TACC2	0.261284	2.167957	0.031546	0.35086
	0.24847	2.170093	0.031381	0.350297
	-0.34254	-2.17303	0.031155	0.349508
CLDN5;RANBP1;MRPL40	-0.36643	-2.16937	0.031437	0.350352
	0.231732	2.169412	0.031433	0.350352
	-0.22641	-2.16648	0.03166	0.351144
	0.223276	2.163289	0.031909	0.352016
	0.255162	2.167274	0.031599	0.351006
	-0.21633	-2.16503	0.031773	0.351465
	0.304523	2.169363	0.031437	0.350352
	-0.22157	-2.16662	0.03165	0.351135
MND1	0.324732	2.170088	0.031381	0.350297
	-0.28076	-2.16929	0.031443	0.350352
FOXA1;ENSG00000259087;MIPOL1;ENSG00000258414	0.347389	2.166418	0.031665	0.351144
TRAF4;RPS7P1;NOS2	-0.31937	-2.16494	0.03178	0.351494
	0.235534	2.169596	0.031419	0.350352
EGFL7	-0.21972	-2.17025	0.031369	0.35024
	0.243477	2.168887	0.031474	0.350553
	0.260961	2.168623	0.031494	0.350625

	0.197868	2.170391	0.031358	0.35021
	-0.164	-2.16687	0.03163	0.351111
	-0.23709	-2.16723	0.031603	0.351006
	0.242303	2.164501	0.031814	0.35167
	0.161291	2.170517	0.031348	0.350161
	0.180504	2.169526	0.031425	0.350352
EVL;BCL11B	-0.33232	-2.17081	0.031326	0.350094
	0.343567	2.169593	0.03142	0.350352
	0.201066	2.167554	0.031577	0.350986
IQGAP3	0.220845	2.164284	0.031831	0.351736
C1orf168;PPAP2B	-0.22494	-2.15977	0.032185	0.353295
	0.203933	2.167339	0.031594	0.351006
	0.227591	2.165226	0.031758	0.351393
ERVW-1	0.293542	2.167215	0.031603	0.351006
	0.196238	2.164672	0.031801	0.351613
DIP2C	0.383768	2.165199	0.03176	0.3514
	0.206949	2.167876	0.031552	0.350889
	0.197844	2.168464	0.031507	0.350689
	-0.17143	-2.15622	0.032465	0.354253
	-0.17324	-2.16746	0.031584	0.350992
	0.2284	2.161645	0.032038	0.352612
	0.193633	2.167024	0.031618	0.351056
	0.226339	2.169341	0.031439	0.350352
	-0.19444	-2.16034	0.03214	0.353132
SPEG;WNT6;STK16	-0.19206	-2.16572	0.031719	0.35126
FBXO17	0.19779	2.166324	0.031672	0.351144
	0.275468	2.164423	0.03182	0.351689
ENSG00000271554	0.188349	2.164466	0.031817	0.35167
	-0.25272	-2.16777	0.03156	0.350899
	0.247001	2.169513	0.031426	0.350352
	0.254192	2.165061	0.031771	0.351458
TESC;SUDS3;FBXO21	-0.30567	-2.16083	0.032102	0.352913
CTHRC1;ENSG00000247081;SLC25A32	0.226153	2.163503	0.031892	0.35196
	-0.16052	-2.16868	0.03149	0.350618
	-0.18862	-2.16603	0.031695	0.351214
	-0.34375	-2.15165	0.03283	0.355374
TRAF3IP1;ENSG00000232306;LINC01107	-0.24884	-2.16434	0.031827	0.351724
	-0.14369	-2.16497	0.031778	0.351494
	0.108142	2.162326	0.031984	0.352343
	0.206873	2.168453	0.031508	0.350689
GRIA1;GALNT10	-0.35038	-2.16397	0.031856	0.35184
	-0.23682	-2.16694	0.031624	0.351079
INHBB	0.286446	2.166415	0.031665	0.351144
	-0.14038	-2.16635	0.03167	0.351144
	0.219511	2.157978	0.032326	0.353824
SIX1	0.276694	2.163474	0.031894	0.351971
DCDC2B;TINAGL1;SDC3;TMEM234	-0.21533	-2.16313	0.031922	0.352078

SNAPIN;TDRD10;S100A6;SHE;DENND4B;UBE2Q1;ATP8B2	-0.25335	-2.1586	0.032277	0.35367
PSTPIP1;NRG4	0.213273	2.16597	0.0317	0.351214
CD7;C17orf62	0.239412	2.169539	0.031424	0.350352
	0.190493	2.159878	0.032176	0.353269
SNORA74A;UBE2D2;CTNNA1;LRRTM2;ENSG00000254363	-0.19705	-2.16774	0.031562	0.350899
	-0.2483	-2.16829	0.03152	0.350713
	0.218109	2.16871	0.031488	0.350618
	0.131426	2.165452	0.03174	0.35127
	-0.25877	-2.16839	0.031512	0.350689
RXRG	0.326926	2.169537	0.031424	0.350352
BIK;TTLL12	-0.31299	-2.16156	0.032044	0.352648
	-0.22198	-2.16084	0.032101	0.352913
FAM83H;LY6D;CYC1;FAM83H-AS1	-0.18561	-2.16762	0.031572	0.350969
	-0.16255	-2.16999	0.031389	0.350299
	0.24306	2.166392	0.031667	0.351144
	0.240721	2.167315	0.031596	0.351006
CHCHD4;LSM3;RPL32;MKRN2	0.180254	2.167726	0.031564	0.350904
	0.158566	2.167151	0.031608	0.351025
GRK4	0.24568	2.162188	0.031995	0.352387
JAK3;KLF2;FCHO1;MYO9B;PLVAP;B3GNT3	-0.17135	-2.16751	0.03158	0.350986
	0.235264	2.167961	0.031546	0.35086
	0.228389	2.16911	0.031457	0.350431
	-0.29326	-2.16651	0.031658	0.351144
	0.202635	2.165114	0.031767	0.351427
	0.162918	2.165402	0.031744	0.351292
ACTA2;ACTA2-AS1	0.232449	2.162008	0.032009	0.352453
	0.201559	2.165649	0.031725	0.35126
	0.414401	2.169924	0.031394	0.350313
	0.214851	2.164494	0.031815	0.35167
	0.272406	2.167537	0.031578	0.350986
	0.229272	2.171751	0.031254	0.349837
	0.201948	2.160273	0.032145	0.353144
WFDC1;USP10;ENSG00000262601;MBTPS1;KIAA0513;HSDL1;ATP2C2;ZDHHC7	-0.3847	-2.16823	0.031525	0.350721
	0.226512	2.165951	0.031701	0.351214
	-0.29758	-2.16784	0.031555	0.350899
	0.194428	2.164734	0.031796	0.351613
	0.148751	2.166669	0.031646	0.351134
	-0.27478	-2.16511	0.031767	0.351427
USP48	0.209841	2.170142	0.031377	0.350297
	0.129794	2.161527	0.032047	0.352662
CLDN7;ARHGEF15;ELP5;BCL6B;MPDU1;MYH10;VAMP2;TNFSF12;CTC1;TNK1;ATP1B2;ENSG00000270606;KCTD11;NLGN2;SLC2A4;TMEM102;ACAP1;PHF23	-0.32835	-2.16283	0.031945	0.35219
	0.150385	2.166289	0.031675	0.35115

TIE1;TMEM125;WDR65;ZMYND12;CCDC24;CCDC30;FAM183A;EBNA1BP2;KDM4A;LEPRE1;TMSB4XP1;SLC6A9;C1orf210;PTPRF;ST3GAL3;ERI3	-0.21424	-2.1646	0.031806	0.351633
	0.196005	2.167018	0.031619	0.351056
	-0.13607	-2.16686	0.031631	0.351111
	0.15176	2.166376	0.031668	0.351144
	0.193284	2.167306	0.031596	0.351006
SUSD1	-0.3429	-2.16994	0.031393	0.350313
LINC01134	0.201448	2.161971	0.032012	0.352458
IRX3;RPGRIP1L;FTO;FTO-IT1;CRNDE	-0.27252	-2.16601	0.031697	0.351214
KDM1A	-0.24941	-2.16381	0.031868	0.351884
ENSG00000259881;FANCA	-0.30959	-2.16936	0.031438	0.350352
	0.153581	2.1679	0.03155	0.350889
	-0.18047	-2.16671	0.031642	0.351129
	0.292977	2.169572	0.031421	0.350352
	-0.24471	-2.16823	0.031525	0.350721
	0.217801	2.167059	0.031615	0.351049
	0.185922	2.163676	0.031879	0.351922
	0.215389	2.165848	0.031709	0.351235
HCP5	0.269134	2.16646	0.031662	0.351144
ZDHHC1;RANBP10;CDH3;ENKD1;ZFP90;TSNAXIP1;GFOD2;TPPP3;LRRC36;PLEKHG4	-0.33155	-2.1699	0.031396	0.350313
	0.332779	2.164642	0.031803	0.351613
	0.230969	2.15888	0.032255	0.353536
RPS18	-0.17146	-2.16429	0.031831	0.351736
	0.183653	2.163079	0.031925	0.352078
COPB2	-0.27323	-2.16476	0.031794	0.351608
COX5A;IMP3	0.157145	2.158	0.032324	0.353824
	0.259307	2.161056	0.032084	0.352839
	-0.33596	-2.16622	0.031681	0.351178
	-0.25286	-2.16674	0.03164	0.351129
DOCK1;DHX32;BCCIP	-0.21988	-2.1611	0.03208	0.352822
	-0.17619	-2.1671	0.031613	0.351044
	0.190937	2.166184	0.031683	0.351192
	0.288819	2.167747	0.031562	0.350899
FDXR	-0.20224	-2.16666	0.031646	0.351134
ZNF506;TSSK6	0.171083	2.166804	0.031635	0.351119
	0.205198	2.163995	0.031854	0.351838
HAP1	0.249707	2.166687	0.031644	0.351134
	0.160303	2.167573	0.031576	0.350986
	-0.31028	-2.16837	0.031514	0.350696
HLX;MARC1	0.302961	2.167242	0.031601	0.351006
SLC22A16	-0.24907	-2.16557	0.031731	0.351266
ZDHHC13	-0.2743	-2.16005	0.032163	0.35322
	-0.41828	-2.16393	0.031859	0.35184
DNPEP	-0.33513	-2.16353	0.03189	0.35196
	0.281357	2.168706	0.031488	0.350618

	0.188493	2.163537	0.031889	0.35196
	-0.16049	-2.16627	0.031677	0.351157
	-0.27629	-2.16813	0.031533	0.350757
	0.236511	2.16126	0.032068	0.352781
	-0.12318	-2.16114	0.032077	0.352802
	0.21518	2.166073	0.031692	0.351214
	0.24612	2.166925	0.031626	0.351082
TTYH2;ICT1;HN1;SLC9A3R1;MRPS7;ATP5H;SLC16A5	-0.21171	-2.16515	0.031764	0.35141
ANXA4;ARHGAP25;AAK1;ENSG00000188971	-0.26125	-2.16733	0.031594	0.351006
C3orf70;CHRD;LIPH;MAP3K13	0.243314	2.161845	0.032022	0.35253
TUBG2;FKBP10;BECN1;LEPREL4;AOC3;PTRF;ATP6V0A1;PSME3;				
ACLY;COA3;KRT23;VPS25;ENSG00000267221;CNTNAP1	0.270197	2.165929	0.031703	0.351214
	-0.17664	-2.16493	0.031781	0.351494
	0.228189	2.157898	0.032333	0.353833
	-0.29716	-2.16723	0.031603	0.351006
CYS1;KLF11	-0.27393	-2.16307	0.031926	0.352078
	0.266492	2.166939	0.031625	0.351079
	0.160147	2.166484	0.03166	0.351144
RCSD1;DPT;CD247	0.210308	2.168566	0.031499	0.350638
RPS6KA1;FAM110D;WDTC1;CEP85;CD164L2;PIGV;NUDC;UBXN				
11;PAFAH2;CNKSR1;C1orf172;TRNP1;PDIK1L;HMGN2	-0.33948	-2.1649	0.031784	0.3515
	-0.16124	-2.16447	0.031816	0.35167
	-0.18428	-2.16356	0.031888	0.35196
NUAK2	-0.27381	-2.16691	0.031627	0.351083
CORO2B	0.236162	2.166309	0.031674	0.351148
	-0.18109	-2.16585	0.03171	0.351235
MZB1	-0.32361	-2.16735	0.031593	0.351006
	0.258184	2.16415	0.031842	0.351805
SLC25A39P1;RABIF	0.199116	2.167075	0.031614	0.351045
	0.231936	2.163159	0.031919	0.352078
PSMA5;LAMTOR5;CYB561D1	-0.25678	-2.16601	0.031697	0.351214
	0.266704	2.1672	0.031605	0.351007
	0.245688	2.166664	0.031646	0.351134
	0.206804	2.167786	0.031559	0.350899
FAM198A;ZNF662;ZBTB47;TRAK1;ENSG00000230084	-0.28575	-2.16752	0.031579	0.350986
	0.213877	2.166828	0.031633	0.351111
CPSF6	0.283473	2.168296	0.03152	0.350713
	-0.26147	-2.16562	0.031727	0.35126
KCNA3;CSF1;ENSG00000259834;KCNA2;CD53;ENSG000002616				
54	0.297689	2.167288	0.031598	0.351006
	-0.27138	-2.16551	0.031736	0.35127
	0.249436	2.16672	0.031642	0.351129
H2AFY;PITX1	-0.24964	-2.16259	0.031964	0.352237
	-0.26302	-2.15786	0.032335	0.353833
PITPNC1;PRKAR1A	-0.42014	-2.16842	0.03151	0.350689

LCN12	0.238817	2.163132	0.031921	0.352078
SH3TC1	-0.27953	-2.16864	0.031493	0.350625
	-0.2121	-2.16551	0.031735	0.35127
	-0.41957	-2.16635	0.031671	0.351144
	-0.21024	-2.1673	0.031597	0.351006
	0.218017	2.163854	0.031865	0.35188
CD247;RCSD1;TBX19	-0.25704	-2.1642	0.031838	0.351784
	0.127325	2.164112	0.031845	0.351812
	-0.16937	-2.16399	0.031854	0.351838
	-0.17146	-2.15754	0.03236	0.353871
	-0.18737	-2.16595	0.031701	0.351214
	0.217426	2.166472	0.031661	0.351144
	-0.24484	-2.16703	0.031617	0.351056
	0.229675	2.165407	0.031744	0.351292
	0.175047	2.15951	0.032205	0.353362
THOC7;ADAMTS9-AS2	-0.24089	-2.16332	0.031907	0.352015
	0.162512	2.162355	0.031982	0.352336
	0.297692	2.165644	0.031725	0.35126
	0.261291	2.155395	0.032531	0.354556
	0.213254	2.166495	0.031659	0.351144
	0.252021	2.165454	0.03174	0.35127
TTYH2;SSTR2;LINC00511	-0.29261	-2.16254	0.031968	0.35225
BCL11A	0.291602	2.165619	0.031727	0.35126
	0.274132	2.168214	0.031526	0.350721
	0.174034	2.166071	0.031692	0.351214
	-0.24588	-2.16752	0.03158	0.350986
TBC1D10C;GSTP1;UNC93B1	0.239666	2.163497	0.031893	0.35196
UBQLN4P1	-0.32397	-2.16413	0.031843	0.351805
	-0.39944	-2.16565	0.031725	0.35126
GNG12;MIER1	-0.16611	-2.16551	0.031736	0.35127
	0.24441	2.16344	0.031897	0.351982
ADAMTS2;COL23A1;RNF130;MAML1;ZNF354C	0.185417	2.160377	0.032137	0.353126
CD40;EPPIN	0.158156	2.165941	0.031702	0.351214
TTC39A;CDKN2C;ENSG00000261664	0.391654	2.162175	0.031996	0.352387
	0.117295	2.164348	0.031826	0.351724
	0.265721	2.161591	0.032042	0.352648
	-0.26728	-2.15937	0.032217	0.3534
MMP25;CRAMP1L	0.201162	2.163209	0.031915	0.352054
KLHDC7A;PADI2;NBPF1	-0.1984	-2.16145	0.032053	0.352697
	0.223321	2.157502	0.032364	0.353871
	0.216831	2.162511	0.03197	0.352265
	-0.29189	-2.16497	0.031778	0.351494
	0.192421	2.162724	0.031953	0.352214
	0.139038	2.158398	0.032293	0.353732
	0.192004	2.164089	0.031846	0.351813
	0.174122	2.163342	0.031905	0.352004
	0.204132	2.16661	0.03165	0.351135

	-0.18211	-2.16401	0.031853	0.351838
WDR45B;PCYT2;C17orf62	-0.35424	-2.16594	0.031703	0.351214
ENSG00000260908;TMEM219;TUFM	-0.20528	-2.16603	0.031696	0.351214
RSPH10B;FSCN1;FOXK1	-0.28967	-2.15676	0.032423	0.354039
	-0.26718	-2.16339	0.031901	0.352004
	0.275039	2.165257	0.031755	0.35138
	-0.41266	-2.16062	0.032118	0.353001
	0.124834	2.164042	0.03185	0.351818
	0.200125	2.166476	0.031661	0.351144
SDK2;SSTR2	0.279547	2.166388	0.031667	0.351144
EPHX1	0.247087	2.160037	0.032164	0.35322
	-0.17863	-2.16719	0.031605	0.351007
WIZ;BRD4	-0.16817	-2.16256	0.031966	0.35225
	0.568574	2.164649	0.031803	0.351613
SORCS2;AFAP1;HTRA3;SH3TC1	-0.22819	-2.1582	0.032309	0.353777
	-0.25445	-2.15974	0.032187	0.353295
	0.296478	2.164041	0.03185	0.351818
	-0.15877	-2.16674	0.03164	0.351129
	0.214287	2.161876	0.032019	0.352514
	-0.36838	-2.16436	0.031825	0.351723
	0.232325	2.161162	0.032075	0.352793
	-0.23571	-2.16646	0.031662	0.351144
	0.114806	2.157355	0.032376	0.353917
	-0.21484	-2.16224	0.031991	0.352386
	-0.23335	-2.16621	0.031681	0.351178
ENSG00000272667;HS6ST1;LIMS2	-0.12779	-2.15751	0.032363	0.353871
	0.259698	2.16672	0.031642	0.351129
SOD1;C21orf119;MIS18A	-0.36094	-2.15846	0.032288	0.353706
	0.280479	2.160203	0.032151	0.353168
	-0.32166	-2.16308	0.031925	0.352078
	0.180782	2.162964	0.031934	0.35212
	0.235369	2.166356	0.03167	0.351144
PLCD3;TMEM106A	-0.15015	-2.16518	0.031762	0.351405
	0.359794	2.163622	0.031883	0.351953
	-0.20833	-2.16394	0.031858	0.35184
	0.204502	2.159123	0.032236	0.353493
	0.266913	2.164057	0.031849	0.351818
	0.292171	2.162673	0.031957	0.352215
	-0.14027	-2.16013	0.032157	0.353216
DDX23;SNORA34	-0.2335	-2.1631	0.031923	0.352078
EPB41L4B;PTPN3;C9orf152;TXN	0.293445	2.15973	0.032188	0.353295
	0.202413	2.160815	0.032103	0.352913
MEOX1;GJC1;HIGD1B;GPATCH8;ACBD4;EFTUD2;MPP2;FMNL1; HEXIM1;MAP3K14;FZD2;ADAM11;ENSG00000267505;ENSG00 000267121	-0.26318	-2.15995	0.032171	0.35324
	-0.20853	-2.16474	0.031796	0.351613
	-0.2326	-2.16307	0.031926	0.352078

MAGI1-IT1	0.236803	2.161564	0.032044	0.352648
	-0.24066	-2.16495	0.031779	0.351494
	0.351195	2.166578	0.031653	0.351144
	-0.18697	-2.16128	0.032066	0.352781
	0.149232	2.161318	0.032063	0.352768
	0.210306	2.163569	0.031887	0.35196
	-0.11528	-2.16216	0.031997	0.352387
	0.218174	2.162037	0.032007	0.352438
ENSG00000266956;ENSG00000267566	-0.19663	-2.1647	0.031799	0.351613
SDC2;MATN2	0.244106	2.160046	0.032163	0.35322
LRRC56;MUC5AC;TSPAN4;TALDO1;IFITM1;IFITM3	-0.52144	-2.1647	0.031798	0.351613
	-0.47423	-2.15853	0.032282	0.353699
PIGR;RASSF5;FAIM3	-0.29664	-2.16299	0.031932	0.352106
	0.123572	2.164054	0.031849	0.351818
	0.293306	2.162464	0.031973	0.352297
HSD17B8	-0.16042	-2.15529	0.032539	0.354559
ENSG00000260051	0.189823	2.165661	0.031724	0.35126
TTN;CCDC141;SESTD1;TTC30B	0.304894	2.162793	0.031948	0.35219
ATG5;BVES	0.179564	2.161002	0.032088	0.352877
ENSG00000261804;ENSG00000262714	-0.69332	-2.16465	0.031802	0.351613
PRIMA1;C14orf142;ATXN3;NDUFB1	0.186476	2.159977	0.032169	0.353236
	-0.1773	-2.15489	0.032571	0.354638
MRC2;CYB561;ACE;METTL2A	-0.29832	-2.1602	0.032151	0.353168
ZBP1;GCNT7	-0.32649	-2.16158	0.032043	0.352648
RASAL3;NWD1;C19orf44;HSH2D	-0.34267	-2.16277	0.03195	0.35219
PRR15;CPVL	0.261948	2.164924	0.031781	0.351494
	0.258313	2.164964	0.031778	0.351494
	-0.22203	-2.16389	0.031862	0.351864
	0.188566	2.159532	0.032204	0.353362
EPT1;KIF3C	0.188795	2.164172	0.03184	0.351796
STYXL1	0.179229	2.163829	0.031867	0.351884
	0.340526	2.162586	0.031964	0.352237
	-0.15339	-2.16662	0.03165	0.351135
TENC1;SMAGP;KRT8;ACVRL1;POU6F1;KRT18;GRASP;KRT7;KRT6A;KRT80;C12orf44;KRT6B;GALNT6	-0.22193	-2.15363	0.032671	0.354912
	0.181679	2.157232	0.032385	0.353951
	0.255309	2.165623	0.031727	0.35126
	-0.14088	-2.1637	0.031876	0.351918
FGFR3	0.331069	2.162344	0.031983	0.352336
	0.22489	2.16531	0.031751	0.351344
	-0.19937	-2.16307	0.031926	0.352078
ADAMTSL5	-0.18918	-2.15832	0.032299	0.353771
	-0.31541	-2.1642	0.031837	0.351784
	-0.19972	-2.16394	0.031858	0.35184
RND3	0.307299	2.158535	0.032282	0.353699
	-0.18512	-2.15767	0.032351	0.353871
	0.159507	2.162666	0.031958	0.352215

	-0.1406	-2.15671	0.032427	0.354042
	0.220867	2.163144	0.03192	0.352078
	0.139232	2.163446	0.031897	0.351982
KIF24;UNC13B;IL11RA;ANXA2P2;KIAA1161;PIGO;NFX1;CCL19;VCP;CHMP5;DNAJB5;STOML2;DCAF12;FAM219A;BAG1;ANKRD18B;CCL21;DNAI1;GALT	-0.36331	-2.16539	0.031745	0.351296
	-0.28724	-2.16176	0.032029	0.352571
	0.381552	2.165933	0.031703	0.351214
	-0.35553	-2.16279	0.031948	0.35219
	0.221985	2.163796	0.031869	0.351884
	0.225166	2.160584	0.032121	0.353002
	-0.25733	-2.16301	0.031931	0.352106
MTND2P28;ENSG00000271806	-0.13866	-2.16171	0.032033	0.352589
	0.222266	2.160903	0.032096	0.352913
ENSG00000261663	-0.21853	-2.1619	0.032018	0.352504
	-0.28032	-2.16303	0.031929	0.352095
	-0.1705	-2.1608	0.032104	0.352913
	0.301957	2.163668	0.031879	0.351922
	-0.14699	-2.16148	0.03205	0.352691
	0.186103	2.15611	0.032474	0.354293
	0.148822	2.162277	0.031988	0.352367
KIF26A;INF2;EXOC3L4;C14orf2;EIF5	-0.21173	-2.15821	0.032308	0.353777
	-0.19248	-2.16222	0.031992	0.352387
TSPAN18	-0.21206	-2.16	0.032167	0.353232
CFB;PSMB9;VWA7;SLC44A4;TAPSAR1;TAP1;HLA-DQA2;HLA-DMB;HLA-DRA;HCP5;C6orf10;HLA-DQB2;PSMB8;TNXB;HSPA1L	-0.2906	-2.1617	0.032033	0.352589
	-0.28914	-2.16299	0.031932	0.352106
RASSF1	0.312082	2.162624	0.031961	0.352237
FZD10-AS1	-0.36675	-2.16255	0.031967	0.35225
PLEKHG4	-0.16515	-2.1656	0.031729	0.351266
	0.142347	2.160588	0.03212	0.353002
	-0.25589	-2.15952	0.032205	0.353362
	-0.23852	-2.16037	0.032138	0.353126
KCTD7	-0.2859	-2.16307	0.031926	0.352078
ELF3;PTPN7;CYB5R1	-0.35661	-2.15754	0.032361	0.353871
	-0.24815	-2.1614	0.032057	0.352722
	0.210738	2.165221	0.031758	0.351393
PCSK6	-0.30205	-2.16079	0.032105	0.352913
CEP104;TTC34	-0.23404	-2.1569	0.032412	0.354012
	0.214399	2.16218	0.031996	0.352387
	0.145317	2.162664	0.031958	0.352215
CAPN5;LRRC32;ARRB1;GDPD5;UVRAG;ENSG00000236304;SERPINH1	-0.24866	-2.15922	0.032228	0.353443
	-0.17131	-2.16096	0.032091	0.352883
	-0.20726	-2.15741	0.032371	0.353893
POMP	0.183166	2.154125	0.032632	0.354824

	0.218578	2.160967	0.032091	0.352883
	-0.47622	-2.16368	0.031879	0.351922
	-0.16106	-2.16119	0.032073	0.352791
EFHD1;ATG16L1	-0.19437	-2.15849	0.032286	0.353701
	0.248082	2.159484	0.032207	0.353364
TCP11L2;NUAK1	0.256993	2.162149	0.031998	0.352387
	-0.34681	-2.15944	0.03221	0.353379
	-0.14038	-2.16287	0.031942	0.352182
HIBCH	-0.14381	-2.15153	0.032839	0.355387
	-0.20338	-2.16152	0.032047	0.352662
	-0.22802	-2.16445	0.031819	0.351678
	0.163263	2.164645	0.031803	0.351613
MIR4664;ARHGAP39	-0.19905	-2.1644	0.031822	0.351698
FUT6	-0.21052	-2.1621	0.032002	0.352419
	-0.15912	-2.15674	0.032424	0.354039
	0.23393	2.160084	0.03216	0.35322
	-0.17516	-2.16222	0.031993	0.352387
	0.298665	2.164206	0.031837	0.351784
	-0.31155	-2.16554	0.031734	0.35127
MEG3;ENSG00000271417;ENSG00000225746;MEG8;SLC25A2				
9;DIO3OS;DEGS2;RTL1;ENSG00000232018;BEGAIN;DIO3	-0.32929	-2.16106	0.032084	0.352839
ARID3A;MOB3A;HMHA1	-0.23079	-2.15758	0.032358	0.353871
	0.287557	2.161993	0.03201	0.352453
LOXL3	-0.23564	-2.15535	0.032535	0.354559
	0.257894	2.160692	0.032112	0.352946
	0.244091	2.153284	0.032699	0.354981
	-0.28304	-2.16358	0.031886	0.35196
STK32B;EVC;CRMP1;CYTL1;EVC2	-0.22463	-2.15757	0.032359	0.353871
	-0.29698	-2.16396	0.031856	0.35184
	-0.15784	-2.16459	0.031808	0.351633
	0.292668	2.160168	0.032154	0.35319
WDR61	0.205945	2.165156	0.031763	0.35141
	0.324417	2.162201	0.031994	0.352387
	-0.27416	-2.16334	0.031905	0.352004
NEDD1;C12orf55;ANKS1B	-0.30316	-2.15308	0.032715	0.355051
	0.207141	2.156511	0.032442	0.35415
	0.212613	2.156757	0.032423	0.354039
ABI3;PHOSPHO1;FAM117A;COL1A1	-0.16792	-2.16243	0.031976	0.352316
	0.294411	2.162069	0.032004	0.35242
	0.177946	2.162408	0.031978	0.352318
CENPM;BIK;MCAT;NFAM1;ACO2;TTLL12;SCUBE1;TTLL1	-0.36145	-2.16123	0.03207	0.352787
	0.177798	2.161932	0.032015	0.352483
PLXND1;GATA2;ENSG00000244300	0.28204	2.157932	0.03233	0.353825
	-0.24469	-2.16545	0.031741	0.35127
FYN	0.264975	2.162691	0.031956	0.352215
GNA12;GPR146;MAD1L1;CHST12;PSMG3;IQCE	-0.24262	-2.15601	0.032482	0.354318

IGFBP4;ERBB2;MIEN1;KRT23;KRT20	-0.2779	-2.15829	0.032302	0.353771
PCDHGA10;IK;CYSTM1;PCDHGC5;PCDHGB8P;ZMAT2;TAF7;PCDHB1;PCDH12;PCDHGA9;PCDHGA12;PCDHGB2;PCDHGA7;RNF14;PCDHGA8;PCDHGC4;PCDHGA11;PCDHGB3;PCDHGA4;PCDHAC1;PCDHB18;PCDHGB7;PCDHAC2;ENSG00000246422;ARAP3	-0.21798	-2.15582	0.032497	0.354418
	-0.24306	-2.16286	0.031942	0.352182
	-0.25551	-2.16294	0.031936	0.352128
NFKBIE;POLR1C;GLTSCR1L	0.202917	2.160585	0.032121	0.353002
	0.653069	2.158187	0.03231	0.353777
ENSG00000234478;EPHX1;ENAH;ITPKB;PYCR2;C1orf95;LBR	-0.31294	-2.15018	0.032947	0.355762
AKIP1	-0.2678	-2.16077	0.032106	0.352913
JTB	0.258065	2.156981	0.032405	0.354002
DNMBP;HPSE2;ERLIN1;GOT1;ENTPD7	0.288036	2.162767	0.03195	0.35219
BIN2	0.209943	2.164094	0.031846	0.351813
	-0.38163	-2.15852	0.032284	0.353699
	0.22459	2.161354	0.03206	0.352746
	0.348594	2.164569	0.031809	0.351633
	-0.20945	-2.16357	0.031887	0.35196
	0.315742	2.156816	0.032418	0.354039
BACH2;LYRM2;SRSF12;RRAGD;CNR1	-0.33418	-2.16057	0.032122	0.353003
	-0.15289	-2.16007	0.032161	0.35322
	-0.4566	-2.16261	0.031962	0.352237
EPAS1	-0.44201	-2.16228	0.031988	0.352367
RPL23AP32;SPTBN1;ENSG00000228108;ENSG00000234943;PSME4;CCDC88A;ERLEC1	0.33176	2.159621	0.032197	0.353332
	-0.15763	-2.15838	0.032294	0.353735
	0.304497	2.163254	0.031912	0.352024
C1orf177;BSND	0.237197	2.158336	0.032298	0.353766
	-0.15917	-2.15805	0.032321	0.353823
	-0.21194	-2.15826	0.032304	0.353777
	-0.14301	-2.16167	0.032036	0.352604
	-0.22612	-2.16178	0.032027	0.352564
WDR17	-0.27255	-2.15987	0.032177	0.353269
	0.277658	2.158397	0.032293	0.353732
	0.203214	2.153538	0.032679	0.354914
	0.24233	2.160861	0.032099	0.352913
PITPNM2;WDR66;HIP1R;ENSG00000251497;LRRC43;RSRC2;DNAH10;HCAR1	-0.25363	-2.16146	0.032052	0.352697
	0.254698	2.160384	0.032137	0.353126
	-0.12577	-2.16007	0.032161	0.35322
CYC1;PUF60;SLC52A2	-0.2211	-2.16341	0.031899	0.351999
	0.263747	2.15732	0.032378	0.353919
ATP9B;TXNL4A	0.23251	2.162397	0.031979	0.352318
LAMA4;ENSG00000237234;ENSG00000271208;ENSG00000226440	-0.3531	-2.15936	0.032217	0.3534

	-0.20029	-2.15998	0.032168	0.353236
	0.228819	2.157331	0.032377	0.353919
	-0.30089	-2.16079	0.032104	0.352913
	-0.18875	-2.14785	0.033135	0.356376
	-0.1529	-2.15927	0.032225	0.353429
	0.299957	2.15899	0.032246	0.353522
	-0.2744	-2.15848	0.032286	0.353701
	0.242841	2.154686	0.032587	0.354672
	0.165757	2.163373	0.031902	0.352004
FLI1;ARHGAP32;SENCR;ETS1	0.392281	2.161814	0.032024	0.352549
	-0.23365	-2.15926	0.032225	0.353429
	0.213598	2.153762	0.032661	0.354912
	0.151767	2.156831	0.032417	0.354039
	-0.16591	-2.16095	0.032092	0.352886
	-0.20011	-2.15948	0.032207	0.353364
	-0.28819	-2.16119	0.032074	0.352791
	0.328518	2.157615	0.032355	0.353871
	-0.21485	-2.16353	0.03189	0.35196
	-0.1624	-2.1579	0.032333	0.353833
	-0.18581	-2.1604	0.032135	0.353121
	-0.2661	-2.16036	0.032139	0.353127
	-0.45435	-2.15508	0.032556	0.354601
TTC3	-0.3185	-2.15716	0.032391	0.35397
	0.143919	2.155254	0.032542	0.354559
BAIAP2	0.136229	2.160856	0.032099	0.352913
	-0.23898	-2.15863	0.032275	0.353666
EGFL7;GPSM1;UAP1L1;PTGDS	-0.3059	-2.16378	0.03187	0.351888
	0.108688	2.15696	0.032407	0.354002
	0.246082	2.157876	0.032334	0.353833
	0.16689	2.157886	0.032334	0.353833
	-0.27121	-2.15995	0.03217	0.35324
	0.274908	2.162077	0.032004	0.35242
	-0.31925	-2.16336	0.031904	0.352004
ERLIN1;ENTPD7;DNMBP	0.248465	2.15815	0.032313	0.353788
KCNA3;KCND3;KCNA2;ENSG00000261654;RAP1A;ENSG000002				
31246	0.208723	2.159	0.032246	0.353522
	0.197492	2.157553	0.03236	0.353871
	0.23366	2.161251	0.032068	0.352781
	-0.25181	-2.15935	0.032218	0.3534
	0.204346	2.162665	0.031958	0.352215
	-0.23104	-2.15748	0.032366	0.353873
CRNDE;IRX5;IRX3	0.312114	2.15827	0.032303	0.353777
	0.241106	2.159917	0.032173	0.35326
	-0.40388	-2.16282	0.031945	0.35219
ARF4;FAM3D;ACOX2	-0.17783	-2.1596	0.032198	0.353332
	0.208311	2.158019	0.032323	0.353824
DOC2B;SCARF1;YWHAE	0.218959	2.163796	0.031869	0.351884

	-0.18814	-2.16414	0.031843	0.351805
	0.206854	2.157971	0.032327	0.353824
	-0.19959	-2.1561	0.032475	0.354293
LEO1	-0.18162	-2.15803	0.032322	0.353824
TRPM2	-0.37068	-2.16327	0.03191	0.352016
SLC7A5	0.202318	2.158226	0.032307	0.353777
FLI1;ETS1;ARHGAP32	-0.35354	-2.15605	0.032479	0.354308
LPCAT1	0.277532	2.163303	0.031908	0.352016
	-0.23524	-2.15589	0.032491	0.354373
	0.186679	2.153143	0.03271	0.355008
ARFGAP3	-0.26206	-2.1578	0.032341	0.353842
GIMAP5;GIMAP6;GIMAP1;GIMAP2;NOS3;ATG9B	-0.35396	-2.15937	0.032216	0.3534
	0.211805	2.153911	0.032649	0.354912
	-0.18791	-2.1591	0.032237	0.353493
	0.227093	2.158507	0.032284	0.3537
	-0.27922	-2.16387	0.031863	0.351872
	0.306244	2.156473	0.032445	0.354164
	-0.23068	-2.15528	0.03254	0.354559
TNS1;RQCD1;TTLL4	0.240362	2.159628	0.032196	0.353332
	-0.2742	-2.1624	0.031978	0.352318
	0.215061	2.158619	0.032276	0.353666
	0.249994	2.16075	0.032108	0.352913
HLA-C;HLA-B;VARS2;HLA-A	0.24865	2.161418	0.032055	0.352718
	-0.22399	-2.16216	0.031997	0.352387
ELFN1	0.184223	2.159721	0.032189	0.353295
HDAC4;SNED1	-0.23555	-2.15356	0.032677	0.354912
	0.151627	2.159728	0.032188	0.353295
	0.211536	2.162717	0.031954	0.352214
	0.210977	2.153611	0.032673	0.354912
	0.210856	2.148255	0.033103	0.356325
	-0.19845	-2.1589	0.032253	0.353536
	0.174383	2.162797	0.031947	0.35219
BATF2;NRXN2	-0.21188	-2.16351	0.031891	0.35196
	-0.14623	-2.15505	0.032558	0.354617
	0.238683	2.153272	0.0327	0.354981
	0.201383	2.158887	0.032254	0.353536
AREL1	-0.12407	-2.15604	0.032479	0.354308
	0.290881	2.163731	0.031874	0.351912
CLN8;ARHGEF10	-0.27411	-2.15902	0.032244	0.353517
	-0.21917	-2.15751	0.032363	0.353871
	0.185487	2.161132	0.032078	0.352802
ADARB1;ICOSLG	-0.21497	-2.15759	0.032357	0.353871
ENSG00000259881;SPIRE2;RNF166;ENSG00000261226;CBFA2T3	0.637536	2.160222	0.032149	0.353168
	0.266189	2.157068	0.032398	0.353977
	0.299225	2.161265	0.032067	0.352781
TMF1;LMOD3	-0.32274	-2.15899	0.032247	0.353522

	0.266868	2.160437	0.032132	0.353102
ENSG00000245384	-0.13171	-2.15085	0.032894	0.355593
	-0.14614	-2.16029	0.032144	0.353141
SEPHS2;ENSG00000254634;CD2BP2;PPP4C;FUS;MVP	-0.20397	-2.16122	0.032071	0.352787
	0.196444	2.156128	0.032473	0.354293
	0.272632	2.159615	0.032197	0.353332
	-0.21841	-2.15393	0.032647	0.354909
FXYD3;CLIP3;ZNF792;SCN1B;LGI4;COX7A1	-0.28568	-2.16199	0.032011	0.352453
	0.20681	2.158062	0.03232	0.353822
LPCAT1	-0.48522	-2.15677	0.032422	0.354039
ENSG00000272005	-0.34481	-2.15515	0.03255	0.354579
	-0.26635	-2.15923	0.032227	0.353443
	0.159124	2.158557	0.03228	0.353699
TPPP;TRIP13;NKD2;ENSG00000188002;LPCAT1	0.261933	2.160858	0.032099	0.352913
	0.209584	2.158657	0.032273	0.353652
	-0.14892	-2.16076	0.032107	0.352913
	0.259618	2.153252	0.032702	0.354981
	0.245907	2.159336	0.032219	0.3534
PRKCA;ENSG00000264630;RGS9	0.263089	2.159407	0.032213	0.3534
	-0.12034	-2.14829	0.0331	0.356323
	0.239714	2.159566	0.032201	0.353346
	0.274284	2.159452	0.03221	0.353379
MBOAT2;ENSG00000261104;GRHL1;KIDINS220	0.342822	2.158696	0.03227	0.353636
ITGAE	-0.24656	-2.15753	0.032362	0.353871
	-0.25562	-2.15972	0.032189	0.353295
	0.18742	2.159507	0.032206	0.353362
	0.212227	2.152306	0.032777	0.355282
	0.107025	2.148234	0.033104	0.356325
IRX2	-0.31025	-2.15961	0.032197	0.353332
	0.289164	2.152674	0.032748	0.355175
	0.14602	2.154275	0.03262	0.354786
	0.095439	2.15809	0.032317	0.353807
	0.219776	2.158782	0.032263	0.353577
	-0.16939	-2.15713	0.032393	0.353973
	0.206552	2.15669	0.032428	0.354042
	-0.21005	-2.15752	0.032363	0.353871
	-0.30721	-2.15544	0.032527	0.354545
ENSG00000234478;ENAH;EPHX1;ITPKB;PYCR2;C1orf95	-0.3829	-2.15019	0.032947	0.355762
	0.299554	2.160807	0.032103	0.352913
C1orf186	0.241398	2.15929	0.032223	0.353421
	-0.18342	-2.1498	0.032978	0.355879
	-0.2235	-2.15325	0.032702	0.354981
SH3TC1	0.24518	2.156941	0.032408	0.354002
TXNDC9	0.205749	2.157559	0.032359	0.353871
	0.292876	2.156735	0.032425	0.354039
	-0.25697	-2.15557	0.032517	0.354464
SARDH;DBH-AS1	0.353024	2.162364	0.031981	0.352336

MUC4	0.295299	2.161367	0.032059	0.352744
	-0.19231	-2.15905	0.032241	0.353517
	0.25515	2.158876	0.032255	0.353536
	0.272094	2.157787	0.032341	0.353842
	0.311181	2.16117	0.032075	0.352793
TGFBR3;EVI5	0.332396	2.16127	0.032067	0.352781
LRRC56;IFITM1	-0.22131	-2.15639	0.032452	0.354189
RABL2B;DENND6B;ODF3B	-0.31755	-2.15867	0.032272	0.353649
	0.110638	2.152717	0.032744	0.355175
	0.118293	2.151023	0.03288	0.355557
	-0.18406	-2.15317	0.032708	0.355008
ARHGAP26;PCDH12;PCDH1	-0.24604	-2.15974	0.032187	0.353295
	0.137497	2.152915	0.032728	0.355157
MSRB3;ENSG00000250280;RASSF3;KRT18P60;ENSG00000248995	-0.27565	-2.14962	0.032992	0.355926
PIKFYVE;ADAM23	0.222907	2.159907	0.032174	0.35326
	-0.36677	-2.16096	0.032091	0.352883
	0.320248	2.161196	0.032073	0.352791
	0.167101	2.156707	0.032427	0.354042
ITGAL;ZNF629	-0.34176	-2.15938	0.032216	0.3534
	0.250562	2.158791	0.032262	0.353577
TNXB;TAP1;C6orf10;PSMB8;SLC39A7;PSMB9;TAPBP;HLA-DRA;GPSM3;TAPSAR1;CFB;HLA-DMB;HLA-DMA;NOTCH4;BAK1	-0.31938	-2.15363	0.032672	0.354912
	0.207274	2.157088	0.032397	0.353977
	-0.2569	-2.15499	0.032563	0.354617
	-0.25902	-2.1591	0.032237	0.353493
	0.128274	2.159067	0.03224	0.353515
ENSG00000261664;RAB3B;AGBL4	0.381022	2.157075	0.032398	0.353977
	-0.18541	-2.1574	0.032372	0.353893
	-0.21906	-2.15698	0.032405	0.354002
	0.272441	2.161776	0.032027	0.352564
OSR2;MATN2	0.33184	2.155516	0.032521	0.354496
NOTCH4	-0.20326	-2.16076	0.032107	0.352913
	-0.169	-2.15771	0.032347	0.353871
	0.189353	2.158774	0.032263	0.353577
	-0.17783	-2.16024	0.032148	0.353159
SFMBT2;ATP5C1;ITIH5	-0.26146	-2.16008	0.032161	0.35322
	0.238742	2.152599	0.032754	0.355182
	0.233395	2.154981	0.032564	0.354617
FOXL1	0.291881	2.159571	0.032201	0.353346
TINCR;NRTN;FUT6	0.677681	2.153568	0.032676	0.354912
FLI1;ARHGAP32	-0.21405	-2.16047	0.03213	0.353086
	-0.3358	-2.16168	0.032035	0.3526
RNFT2;C12orf49	-0.33412	-2.15782	0.032338	0.353842
DOCK1	0.22521	2.160296	0.032143	0.353141
PSME4;SPTBN1;CLHC1	-0.31444	-2.15711	0.032395	0.353973

ST14	-0.33112	-2.15912	0.032236	0.353493
	0.259369	2.157331	0.032377	0.353919
	0.174964	2.154483	0.032603	0.35474
SFRP4;EPDR1	-0.20034	-2.15686	0.032415	0.354027
THBS2	0.3161	2.150851	0.032894	0.355593
CNOT1;GOT2;C16orf80;NLRC5;COQ9	-0.23001	-2.15819	0.03231	0.353777
JAGN1;THUMPD3;ENSG00000269982	-0.28879	-2.16033	0.032141	0.353133
MFN2	0.140772	2.160298	0.032143	0.353141
COL5A1;OLFM1;SARDH;ADAMTSL2;SLC2A6	-0.19987	-2.15904	0.032242	0.353517
	0.18387	2.157639	0.032353	0.353871
APMAP	-0.25159	-2.1561	0.032475	0.354293
	0.204774	2.15406	0.032637	0.354829
ADAM8;FUOM	0.293886	2.157953	0.032328	0.353825
	-0.21177	-2.15201	0.0328	0.355282
	0.195224	2.154417	0.032609	0.35477
	-0.34776	-2.15459	0.032595	0.354721
	0.273624	2.155394	0.032531	0.354556
	0.095845	2.155934	0.032488	0.35436
	0.213154	2.158522	0.032283	0.353699
PSMG3;GPR146;PRKAR1B;CHST12	-0.37354	-2.14947	0.033005	0.355938
	0.196011	2.153461	0.032685	0.354947
PSMG3;GPER1	0.535903	2.15695	0.032408	0.354002
MRC2;CD79B;ERN1;METTL2A;MILR1;LIMD2;CYB561;ACE;C17orf72;ENSG00000264954;MARCH10;ENSG00000265702;MAP3K3	-0.29951	-2.15315	0.03271	0.355008
	-0.22955	-2.15356	0.032677	0.354912
POMP;FLT1	0.263617	2.15564	0.032511	0.354456
AHNAK2;TMEM121	0.191529	2.157569	0.032359	0.353871
	-0.32822	-2.15884	0.032258	0.353548
	-0.23002	-2.15589	0.032492	0.354373
RIPK1	0.246666	2.159853	0.032178	0.353271
	-0.13959	-2.15845	0.032289	0.353707
	0.248899	2.157653	0.032352	0.353871
	0.137071	2.158467	0.032288	0.353706
	0.220123	2.158095	0.032317	0.353807
	0.244844	2.154346	0.032614	0.354786
HLA-F;HLA-E	-0.263	-2.15972	0.032189	0.353295
	0.15104	2.157066	0.032398	0.353977
SNTG2	0.35487	2.157	0.032404	0.354002
	-0.25165	-2.15335	0.032694	0.354978
TNFRSF1B	0.232511	2.15761	0.032355	0.353871
	0.187631	2.159803	0.032182	0.353295
KIAA0513;ENSG00000262601	0.244824	2.15728	0.032381	0.353936
GSKIP;C14orf132;SYNE3;LINC00341	0.177071	2.155233	0.032544	0.354569
TMPRSS3;RSPH1;ABCG1;FAM3B;ZNF295-AS1;UMODL1;ENSG00000225431;ENSG00000235772;SLC37A1;C21orf128;LINC00479	-0.27506	-2.15369	0.032666	0.354912

PARVB;BIK;MCAT;TTLL1;SCUBE1;TTLL12;EFCAB6	-0.311	-2.14975	0.032982	0.355891
	0.20118	2.154923	0.032568	0.354624
ELN;WBSCR22;CLIP2;ABHD11;ENSG00000232415;LINC00035;C				
LDN3;CLDN4;ENSG00000233369;WBSCR27	0.243279	2.155308	0.032538	0.354559
TNRC6C;TIMP2;C1QTNF1;ENSG00000178404;SYNGR2;ENSG00				
000267491	-0.35365	-2.15935	0.032218	0.3534
MSRB1;CACNA1H	0.244781	2.153602	0.032674	0.354912
	0.251837	2.157393	0.032372	0.353893
	0.380601	2.147139	0.033193	0.356594
	-0.20596	-2.15624	0.032464	0.354253
	0.258518	2.154509	0.032601	0.35474
	0.264752	2.155635	0.032512	0.354456
	0.338988	2.155582	0.032516	0.354464
HCP5;TAP2;TAP1;HLA-DMA;PSMB9;TAPSAR1;HLA-DMB;HLA-				
B;HLA-DOA;HSPA1A;MICB;HLA-DRA	0.164819	2.159662	0.032193	0.353332
	-0.14086	-2.15829	0.032301	0.353771
	-0.1933	-2.1564	0.032451	0.354189
	-0.2023	-2.15284	0.032734	0.355175
	-0.1993	-2.15385	0.032654	0.354912
TTC22;ACOT11;TMEM59;MRPL37	-0.28567	-2.16003	0.032165	0.35322
	0.184875	2.158967	0.032248	0.353529
	0.65918	2.155699	0.032507	0.354446
	-0.23781	-2.15317	0.032708	0.355008
	-0.29746	-2.15572	0.032505	0.354446
	0.250648	2.156272	0.032461	0.354248
CEP104;MEGF6;DFFB	-0.25415	-2.15749	0.032365	0.353873
ABLIM2;SH3TC1;AFAP1;AFAP1-AS1	-0.28231	-2.15286	0.032733	0.355175
	0.267208	2.154289	0.032619	0.354786
	0.119594	2.157039	0.032401	0.353982
	0.173674	2.155221	0.032545	0.35457
	0.322238	2.155309	0.032538	0.354559
CDK14	-0.32223	-2.15786	0.032336	0.353833
	0.228597	2.157996	0.032325	0.353824
EBF1;ENSG00000253811;ENSG00000253456;FABP6;ENSG0000				
0247699	-0.33347	-2.15223	0.032783	0.355282
	0.215414	2.155597	0.032515	0.354464
ENSG00000272016;CCT5;MARCH6;ROPN1L;FAM173B	0.267289	2.157965	0.032327	0.353824
	0.199919	2.150205	0.032946	0.355762
	0.337967	2.156339	0.032456	0.354199
ELF5	-0.28766	-2.14901	0.033041	0.356087
	0.31152	2.155898	0.032491	0.354373
	-0.27632	-2.1552	0.032546	0.354576
	0.191538	2.156733	0.032425	0.354039
CEP85;FAM110D;PIGV;THEMIS2;FGR;CNKSR1	-0.3328	-2.15376	0.032661	0.354912
EFHD1	-0.19984	-2.15626	0.032462	0.35425
	-0.15154	-2.15476	0.032582	0.354654
	-0.14676	-2.15814	0.032313	0.353788

TNFRSF10D;ENSG00000253837;SLC25A37	0.202436	2.154081	0.032635	0.354829
	0.261677	2.157975	0.032326	0.353824
NME4;CACNA1H;SOX8;RAB11FIP3;RGS11;ENSG00000260807;T				
PSD1;MSLN	-0.43059	-2.15885	0.032258	0.353548
	-0.17113	-2.15496	0.032565	0.354617
	0.252245	2.147383	0.033173	0.356526
	0.232727	2.159726	0.032188	0.353295
	0.189848	2.155601	0.032515	0.354464
DEGS2;ENSG00000225746;MEG3;DIO3OS	-0.23568	-2.155	0.032562	0.354617
	0.315132	2.159875	0.032177	0.353269
	0.226172	2.154971	0.032565	0.354617
	-0.26705	-2.15365	0.03267	0.354912
	-0.23671	-2.16072	0.03211	0.352931
	0.215056	2.154794	0.032579	0.354653
TNFRSF1B	-0.29611	-2.15818	0.032311	0.353777
	0.28344	2.155296	0.032539	0.354559
	-0.18725	-2.15253	0.032759	0.355199
FEN1;POLR2G	-0.1603	-2.15556	0.032518	0.354464
	-0.2261	-2.1569	0.032411	0.354012
	0.206162	2.157311	0.032379	0.353919
PSMG3	0.201654	2.153458	0.032685	0.354947
TMEM51-AS1	0.137482	2.158198	0.032309	0.353777
	0.201465	2.145211	0.033349	0.356988
	0.211101	2.156154	0.032471	0.354293
CEP41;MKLN1;KLHDC10	-0.34302	-2.15473	0.032584	0.354654
	0.239424	2.156933	0.032409	0.354002
BCL11B	0.269321	2.153875	0.032652	0.354912
CPSF1	-0.23565	-2.15902	0.032244	0.353517
	0.157809	2.154838	0.032575	0.354653
	-0.31823	-2.14765	0.033151	0.356476
	-0.20326	-2.15642	0.032449	0.354189
	-0.32006	-2.15753	0.032362	0.353871
	0.184638	2.158203	0.032308	0.353777
HES2;KCNAB2;ESPN	0.32459	2.154251	0.032622	0.354786
PPIF;ZMIZ1;ANXA11;SFTPD;TMEM254	-0.32317	-2.15426	0.032621	0.354786
	-0.19043	-2.15892	0.032252	0.353536
	0.160493	2.156457	0.032447	0.35417
	0.136147	2.149479	0.033004	0.355938
	0.32049	2.157532	0.032361	0.353871
	-0.15135	-2.15466	0.032589	0.354687
KMT2E	-0.17463	-2.15635	0.032455	0.354199
	0.20112	2.150867	0.032892	0.355593
	0.245908	2.156382	0.032453	0.354189
	-0.14	-2.15072	0.032904	0.355647
	-0.19973	-2.15895	0.03225	0.353534
	0.190766	2.151883	0.032811	0.355282
TRIM16L;FBXW10	-0.29177	-2.1568	0.03242	0.354039

SLIT3;ENSG00000248222;WWC1;TENM2	0.338567	2.149701	0.032986	0.355895
	-0.22638	-2.15544	0.032527	0.354545
	-0.17743	-2.1561	0.032475	0.354293
	0.271646	2.151904	0.032809	0.355282
SCNN1G	0.24134	2.151713	0.032825	0.355364
CCDC148;UPP2;CYTIP	-0.38465	-2.15515	0.032551	0.354579
EDC4;FAM65A	-0.13597	-2.15141	0.032849	0.355444
	-0.12411	-2.15225	0.032782	0.355282
MFNG;CSF2RB;MYH9;LGALS1	-0.21829	-2.15739	0.032372	0.353893
DEGS2;WARS	0.281472	2.155255	0.032542	0.354559
	-0.22316	-2.15636	0.032454	0.354197
	-0.23101	-2.15266	0.032749	0.355175
	-0.17005	-2.1562	0.032467	0.354265
	-0.20487	-2.15891	0.032252	0.353536
	0.10413	2.150905	0.032889	0.355593
	-0.19903	-2.15028	0.032939	0.355744
	0.191373	2.152201	0.032786	0.355282
	-0.13715	-2.15265	0.03275	0.355175
CPXM2;LHPP;OAT;GPR26	0.234824	2.151113	0.032873	0.355521
	-0.19578	-2.15566	0.03251	0.354456
IGFBP2;DIRC3;ENSG00000236295	0.348323	2.157433	0.032369	0.353893
	0.22853	2.154364	0.032613	0.354786
	0.180523	2.157797	0.032341	0.353842
FA2H	-0.29652	-2.15527	0.032541	0.354559
	-0.19656	-2.15674	0.032424	0.354039
	0.252999	2.15254	0.032758	0.355199
	0.292637	2.153344	0.032694	0.354978
IL2RB;MFNG	-0.29845	-2.15479	0.032579	0.354653
	0.200403	2.157114	0.032395	0.353973
	-0.22102	-2.1578	0.03234	0.353842
	0.237011	2.155706	0.032506	0.354446
ZNF404;ZNF155	-0.26799	-2.15913	0.032236	0.353493
	0.274007	2.151218	0.032864	0.35547
	0.309084	2.154145	0.03263	0.354817
	-0.27572	-2.15196	0.032805	0.355282
	-0.17493	-2.15669	0.032428	0.354042
	-0.3309	-2.15785	0.032336	0.353833
ENSG00000261659;METRN;ENSG00000196674;CCDC78;IFT140;PIGQ;WDR24;BAIAP3	-0.22148	-2.15687	0.032414	0.354027
ENSG00000259363;DNM1P46;SYNM;ADAMTS17	-0.31154	-2.14877	0.033061	0.356177
TMEM132B	0.304655	2.157163	0.032391	0.35397
FUOM;LRRC27	-0.20286	-2.15202	0.0328	0.355282
	0.195868	2.155411	0.03253	0.354556
	0.189236	2.154542	0.032599	0.354738
UNKL;ENSG00000261659	-0.29048	-2.15654	0.03244	0.354134
	-0.22017	-2.15556	0.032518	0.354464
ENSG00000272072	0.371274	2.15623	0.032465	0.354253

	-0.18071	-2.15276	0.032741	0.355175
	0.129425	2.154255	0.032622	0.354786
	-0.34655	-2.15599	0.032484	0.354333
ENSG00000255092	0.287886	2.157148	0.032392	0.35397
	0.292451	2.152193	0.032786	0.355282
	0.113888	2.152137	0.032791	0.355282
MUC5AC	-0.24396	-2.15515	0.03255	0.354579
DYNLRB2	-0.32796	-2.15694	0.032409	0.354002
	0.161674	2.153387	0.032691	0.354967
	0.291777	2.150898	0.03289	0.355593
	-0.18705	-2.15358	0.032675	0.354912
	0.188223	2.154577	0.032596	0.354722
TSPAN1;AKR1A1;CMPK1	0.12939	2.154336	0.032615	0.354786
	0.215648	2.14814	0.033112	0.356352
	0.455153	2.159302	0.032222	0.35342
	-0.30823	-2.15757	0.032359	0.353871
	0.259987	2.151334	0.032855	0.35547
	0.299895	2.157039	0.0324	0.353982
	0.321027	2.151032	0.032879	0.355557
	0.181678	2.149899	0.03297	0.355866
	0.281863	2.149852	0.032974	0.355879
	-0.33087	-2.15605	0.032479	0.354308
NRROS;LRCH3;KIAA0226	0.310367	2.146816	0.033219	0.356695
	0.236421	2.156627	0.032433	0.354067
HMHA1	0.122683	2.157552	0.03236	0.353871
	0.247662	2.150667	0.032909	0.355687
	0.280774	2.150993	0.032882	0.35556
	0.244187	2.154745	0.032583	0.354654
	0.128411	2.155726	0.032505	0.354446
	0.176934	2.151281	0.032859	0.35547
PRSS12;ENSG00000225892	0.3377	2.146712	0.033227	0.356739
	-0.32469	-2.15447	0.032605	0.354743
RIPK1;ENSG00000266252	-0.23119	-2.15388	0.032651	0.354912
LINC01107	0.225641	2.15679	0.03242	0.354039
	0.268578	2.156396	0.032451	0.354189
	-0.22714	-2.14692	0.033211	0.35668
KLHL29;FAM228B;ENSG00000115128;ENSG00000224361	0.365531	2.152049	0.032798	0.355282
	-0.34009	-2.15887	0.032255	0.353536
	0.288119	2.153885	0.032651	0.354912
	0.288431	2.154489	0.032603	0.35474
	-0.33652	-2.15268	0.032747	0.355175
	0.22262	2.154484	0.032603	0.35474
	0.142291	2.154811	0.032577	0.354653
	0.307605	2.14982	0.032977	0.355879
	0.186632	2.155356	0.032534	0.354559
	-0.27166	-2.15718	0.032389	0.35397
	-0.20747	-2.15024	0.032943	0.355762

	-0.30778	-2.14811	0.033114	0.356352
	0.121428	2.152517	0.03276	0.355199
TBC1D19	0.226692	2.155018	0.032561	0.354617
	0.205417	2.158133	0.032314	0.353788
	0.2902	2.155813	0.032498	0.354418
WDR66;DNAH10;LRRC43;TCTN2;PITPNM2;ENSG00000251497; ENSG00000256546;HIP1R;RILPL2;KNTC1;ZCCHC8;ABCB9;EIF2B 1	-0.19268	-2.14991	0.032969	0.355866
	0.204337	2.149108	0.033034	0.35605
GLIS2;GLYR1;SMIM22	0.373841	2.151161	0.032869	0.355498
	0.175673	2.156035	0.03248	0.354308
	0.245906	2.152404	0.032769	0.355269
	0.186199	2.153728	0.032664	0.354912
	0.251904	2.156094	0.032475	0.354293
	-0.22114	-2.14942	0.033008	0.355944
	0.164923	2.145766	0.033304	0.356871
	0.225782	2.151871	0.032812	0.355282
	-0.14697	-2.15277	0.03274	0.355175
	-0.15833	-2.15175	0.032822	0.35536
CD248;RBM4;AIP	0.129128	2.15223	0.032783	0.355282
	-0.35565	-2.15515	0.03255	0.354579
	0.286988	2.152429	0.032767	0.355257
	-0.22411	-2.15564	0.032512	0.354456
	-0.15314	-2.15472	0.032585	0.354654
	0.15616	2.153246	0.032702	0.354981
MAPK12;CPT1B	0.194544	2.152672	0.032748	0.355175
NOVA2;EXOC3L2	-0.29358	-2.15409	0.032635	0.354829
	-0.26264	-2.15092	0.032888	0.355593
PRRT3;ENSG00000206567;FANCD2	0.221405	2.148247	0.033103	0.356325
FAM83H-AS1;RHPN1-AS1;ARHGAP39;C8orf31;LY6H;ZNF34	-0.25854	-2.14839	0.033091	0.356314
	-0.30491	-2.15725	0.032384	0.353951
	0.135998	2.151942	0.032806	0.355282
	-0.31013	-2.15573	0.032504	0.354446
	-0.26026	-2.14989	0.032971	0.355866
	0.232804	2.155106	0.032554	0.354589
CMKLR1	-0.18437	-2.14685	0.033216	0.35668
	0.203229	2.151879	0.032811	0.355282
AIM2	-0.28531	-2.15353	0.03268	0.354914
	0.401319	2.154918	0.032569	0.354624
	-0.15038	-2.1548	0.032578	0.354653
	0.225377	2.152218	0.032784	0.355282
WDR86;WDR86-AS1;ACTR3B	-0.32136	-2.14807	0.033118	0.356352
	-0.26322	-2.15199	0.032802	0.355282
ZNF540;GMFG;ZNF781	-0.21203	-2.15153	0.032839	0.355387
TMEM106A;IFI35	-0.21597	-2.15667	0.03243	0.354052

C1QTNF1;CBX2;TIMP2;ENSG00000178404;TNRC6C;ENSG0000				
0267491;USP36;TMC8	-0.20935	-2.15512	0.032553	0.354589
	-0.1695	-2.15164	0.032831	0.355374
	0.237304	2.154304	0.032618	0.354786
PLEKHG2;ZNF780B;FBXO27;PRX	0.208849	2.151494	0.032842	0.355392
CHCHD3;PLXNA4;EXOC4	-0.30091	-2.1468	0.03322	0.356696
	-0.22402	-2.15278	0.032739	0.355175
	-0.22064	-2.1558	0.032498	0.354418
ENSG00000227470	-0.32685	-2.15496	0.032566	0.354617
	0.208236	2.154235	0.032623	0.354786
ME1	0.330429	2.150839	0.032895	0.355593
SLC2A12	-0.3027	-2.15481	0.032577	0.354653
HIVEP1	0.16842	2.152826	0.032736	0.355175
	0.156801	2.150525	0.03292	0.355706
	-0.28736	-2.15343	0.032687	0.354947
	0.199091	2.154093	0.032635	0.354829
DEGS2;BCL11B;HHIPL1	0.358164	2.151693	0.032826	0.355373
	-0.19838	-2.14865	0.03307	0.356225
RRM2;CYS1	0.279605	2.150448	0.032926	0.355706
LCK;DCDC2B	-0.32338	-2.15235	0.032774	0.355282
	-0.22758	-2.15665	0.032431	0.354053
RIN3;ASB2;SLC24A4;C14orf142	-0.32682	-2.15231	0.032777	0.355282
	0.190065	2.151217	0.032864	0.35547
P2RX4;P2RX7	0.351488	2.154057	0.032637	0.354829
	-0.26104	-2.15427	0.03262	0.354786
	0.239408	2.153817	0.032656	0.354912
	-0.18007	-2.1557	0.032506	0.354446
	0.21293	2.154497	0.032602	0.35474
TUBGCP2;KNDC1;STK32C;PWWP2B	0.510383	2.155752	0.032503	0.354446
	-0.34594	-2.15724	0.032385	0.353951
	-0.31909	-2.15319	0.032706	0.355008
GPR133	0.357937	2.153695	0.032666	0.354912
	-0.13357	-2.15771	0.032347	0.353871
	-0.22716	-2.14965	0.03299	0.355911
	0.325653	2.157208	0.032387	0.353963
	0.323086	2.152132	0.032791	0.355282
	0.215985	2.152055	0.032797	0.355282
	0.143154	2.145853	0.033297	0.356871
	-0.14545	-2.15029	0.032939	0.355744
SAMD11;MXRA8;ENSG00000223764;VWA1;SSU72;PRKCZ;ANK				
RD65;LINC01128	-0.23328	-2.15492	0.032569	0.354624
	-0.22302	-2.15503	0.03256	0.354617
GBAS;PSPH;ZNF713;LANCL2	-0.26505	-2.14802	0.033121	0.356352
C12orf49	0.279214	2.154719	0.032585	0.354654
	-0.19316	-2.15398	0.032643	0.354876
F12;FGFR4;ARL10	0.236506	2.151452	0.032846	0.355419
ENSG00000260774	0.139344	2.152292	0.032778	0.355282

	0.266585	2.150625	0.032912	0.355704
	0.229783	2.151601	0.032834	0.355375
	0.203261	2.153713	0.032665	0.354912
	-0.31622	-2.15321	0.032705	0.355006
	-0.15718	-2.15366	0.032669	0.354912
	0.139794	2.152176	0.032788	0.355282
	0.160735	2.154233	0.032623	0.354786
	0.332358	2.154418	0.032609	0.35477
	0.212962	2.153326	0.032696	0.354981
PTGDS;SLC34A3;RNF224;UBAC1;ENSG00000264527;C9orf163;I				
NPP5E;AGPAT2	0.416688	2.154185	0.032627	0.354809
SNAI2	-0.19271	-2.14967	0.032988	0.35591
SUPT7L;EMILIN1;IFT172;KRTCAP3;MAPRE3;AGBL5;KHK;DRC1;C				
CDC121;GPN1;RBKS;C2orf70	-0.30809	-2.15086	0.032893	0.355593
	-0.19573	-2.14881	0.033058	0.356168
	-0.2847	-2.1548	0.032578	0.354653
ZNF295-AS1;UBASH3A	0.271506	2.155109	0.032554	0.354589
	0.218437	2.150859	0.032893	0.355593
	0.097167	2.148554	0.033078	0.356244
	0.17939	2.148821	0.033057	0.356168
	-0.13233	-2.14923	0.033024	0.356026
	0.254698	2.146588	0.033237	0.356757
SYNJ2	-0.25212	-2.15378	0.03266	0.354912
	-0.21606	-2.14997	0.032964	0.355866
	-0.12713	-2.15454	0.032599	0.354738
	-0.28226	-2.15519	0.032547	0.354576
KIAA0922;TLR2	-0.36875	-2.15289	0.03273	0.355161
	0.177736	2.147424	0.03317	0.356517
MVP	0.273623	2.14729	0.03318	0.356561
	0.22903	2.149009	0.033042	0.356087
	0.362347	2.15202	0.0328	0.355282
	-0.23179	-2.15019	0.032947	0.355762
	-0.22339	-2.15352	0.03268	0.354914
	-0.32286	-2.1536	0.032674	0.354912
	0.18707	2.149027	0.03304	0.356087
	0.254619	2.152678	0.032747	0.355175
	0.129724	2.145617	0.033316	0.356871
	0.226592	2.152384	0.032771	0.355278
TMEM45B;ST14	-0.29835	-2.15125	0.032862	0.35547
ZBTB20;ENSG00000259976;GRAMD1C;ZDHHC23	0.300646	2.154221	0.032624	0.354786
	0.295211	2.152088	0.032795	0.355282
CAMTA1;SLC45A1	-0.30114	-2.14889	0.033052	0.356141
	0.55604	2.152743	0.032742	0.355175
RING1	-0.2038	-2.14355	0.033484	0.35743
	0.208292	2.145847	0.033297	0.356871
	-0.31395	-2.15414	0.03263	0.354817
	0.213756	2.153689	0.032667	0.354912

ARAP2	-0.35394	-2.14994	0.032967	0.355866
	0.147427	2.149496	0.033003	0.355938
	0.173469	2.149606	0.032994	0.35593
	0.322077	2.150788	0.032899	0.355609
	0.192541	2.153028	0.032719	0.355089
	0.316646	2.15459	0.032595	0.354721
	0.254627	2.15357	0.032676	0.354912
	-0.26544	-2.1553	0.032539	0.354559
	-0.20516	-2.15375	0.032662	0.354912
HMMR	-0.279	-2.14829	0.0331	0.356323
	0.268049	2.149328	0.033016	0.355985
	0.207148	2.151287	0.032859	0.35547
HAPLN3;ANPEP	0.190428	2.155951	0.032487	0.354354
	0.165754	2.152795	0.032738	0.355175
	-0.29293	-2.14947	0.033005	0.355938
AZGP1;AGFG2	-0.22242	-2.15052	0.03292	0.355706
MPRIP;COPS3;LGALS9C	-0.20825	-2.15055	0.032918	0.355706
	0.277629	2.154594	0.032595	0.354721
	0.135937	2.144109	0.033438	0.357348
	-0.2923	-2.15123	0.032863	0.35547
PLXDC1;IGFBP4;IKZF3;STARD3	-0.27635	-2.15335	0.032694	0.354978
LMAN2L;ZAP70	-0.21693	-2.14786	0.033135	0.356376
	0.091266	2.151954	0.032805	0.355282
	0.258274	2.143121	0.033519	0.357514
SH3BP4	-0.27212	-2.15261	0.032753	0.355177
PIGV;PDIK1L;HMGN2;CEP85;NUDC;TRNP1;PPP1R8;FAM110D	-0.29368	-2.14889	0.033051	0.356141
	0.1336	2.147098	0.033196	0.356599
	-0.20592	-2.15052	0.03292	0.355706
DAK;INTS5	-0.28376	-2.15216	0.032789	0.355282
	-0.2337	-2.15476	0.032581	0.354654
	0.143922	2.155358	0.032534	0.354559
	-0.24238	-2.15568	0.032508	0.35445
LYSMD2;SLC27A2;MAPK6	-0.23664	-2.14794	0.033128	0.356361
	0.294395	2.152439	0.032767	0.355257
	0.231233	2.157419	0.03237	0.353893
FLI1;ARHGAP32;ETS1;TP53AIP1;TMEM45B;SENCR	-0.26115	-2.15384	0.032655	0.354912
	-0.30314	-2.15342	0.032688	0.354947
GPR17	-0.22966	-2.15052	0.032921	0.355706
	-0.15531	-2.15479	0.032579	0.354653
	-0.2109	-2.15064	0.03291	0.355699
MYO1F;PRAM1	0.186755	2.141266	0.03367	0.357975
DOCK2;LCP2;SPDL1;FAM196B	-0.38552	-2.15368	0.032668	0.354912
RPL41	-0.23228	-2.15127	0.03286	0.35547
	-0.16925	-2.15416	0.032629	0.354817
	0.241938	2.153683	0.032667	0.354912
	-0.26535	-2.14343	0.033494	0.35743

NLRC5	0.18662	2.153878	0.032652	0.354912
	0.239786	2.151575	0.032836	0.355375
	-0.20712	-2.14558	0.033319	0.356894
ANTXRLP1;ANXA8	0.275889	2.154022	0.03264	0.35485
	-0.37817	-2.14992	0.032968	0.355866
IL10RA;CBL;AMICA1;C2CD2L;PDZD3;PHLDB1;RPL5P30;IFT46;FXYD2	-0.33417	-2.14507	0.03336	0.357047
	0.160016	2.15363	0.032671	0.354912
ZKSCAN1;ZCWPW1	-0.3014	-2.15092	0.032888	0.355593
	0.269449	2.152722	0.032744	0.355175
ENSG00000259087;SEC23A;CLEC14A	0.265802	2.14745	0.033168	0.356503
HDLBP	0.262245	2.150495	0.032922	0.355706
ENSG00000198843	0.311696	2.153316	0.032696	0.354981
SLBP;ENSG00000253399	0.170739	2.152724	0.032744	0.355175
TMEM45B	-0.32564	-2.1406	0.033725	0.358126
	0.227762	2.155322	0.032537	0.354559
OR7E47P;ESPL1;RARG;SPRYD3;ITGB7;ACVR1B;C12orf10	-0.2246	-2.15214	0.03279	0.355282
SNTB1	-0.35153	-2.15081	0.032897	0.355609
	-0.3967	-2.15165	0.032829	0.355374
	0.17143	2.152562	0.032757	0.355199
	0.234023	2.149384	0.033012	0.355964
	-0.17894	-2.15434	0.032615	0.354786
IGF2;CARS;MRPL23;NAP1L4	-0.25553	-2.14945	0.033006	0.355942
	0.21607	2.149536	0.032999	0.355938
	-0.24989	-2.14792	0.03313	0.356368
	-0.32458	-2.14775	0.033143	0.356438
	0.16366	2.148913	0.03305	0.356141
GOT2;CNOT1	-0.27129	-2.14973	0.032983	0.355893
	0.168707	2.147865	0.033134	0.356376
	0.219283	2.151375	0.032852	0.355459
	0.300201	2.150501	0.032922	0.355706
	-0.12009	-2.14853	0.033081	0.356251
NFIC;DOT1L	0.272085	2.153269	0.0327	0.354981
S100PBP	0.266628	2.153439	0.032687	0.354947
TCP11L1	-0.42976	-2.15193	0.032807	0.355282
RIPK4;TMPRSS2;SLC37A1;PDE9A	-0.31758	-2.15207	0.032796	0.355282
	0.194178	2.15496	0.032565	0.354617
	0.20855	2.152908	0.032729	0.355157
	0.200214	2.15203	0.032799	0.355282
S100P	0.2266	2.153438	0.032687	0.354947
	-0.20345	-2.14934	0.033015	0.35598
	0.111047	2.15187	0.032812	0.355282
	-0.22367	-2.15032	0.032936	0.355744
	0.289894	2.149599	0.032994	0.35593
CAPN2;ENSG00000225265;BROX	-0.26334	-2.1471	0.033196	0.356599
	0.156976	2.152044	0.032798	0.355282
	0.280546	2.15046	0.032925	0.355706

	0.230936	2.151262	0.032861	0.35547
SULT1C4	0.325208	2.145628	0.033315	0.356871
	-0.27244	-2.14817	0.033109	0.356352
CD40	-0.35493	-2.1458	0.033301	0.356871
	0.275902	2.148315	0.033098	0.356323
LPCAT1	0.238143	2.148586	0.033076	0.356239
	0.289496	2.151931	0.032807	0.355282
	0.148787	2.15263	0.032751	0.355175
	-0.48031	-2.15043	0.032928	0.355714
	0.256946	2.147634	0.033153	0.356476
	0.239845	2.147605	0.033155	0.356476
	0.251625	2.151289	0.032859	0.35547
CAMSAP2;IPO9;NAV1;RNPEP;TNNT2	0.199288	2.154724	0.032584	0.354654
	-0.15643	-2.14929	0.033019	0.356
KIF21B;ELF3;PPP1R12B;RNPEP;CYB5R1;PTPN7;CSRP1;LMOD1;TMEM183A;KDM5B;LGR6;NAV1;ENSG00000234678;UBE2T;ADIPOR1;IPO9	-0.26254	-2.15161	0.032833	0.355375
SLC35E1P1;IFT88	0.116878	2.150772	0.0329	0.355613
SLC29A1;TMEM63B	0.165577	2.154068	0.032636	0.354829
FERMT3;BATF2;SIPA1;CCDC88B;NRXN2;SLC25A45;CDC42BPG;RASGRP2	0.430485	2.153628	0.032672	0.354912
STK16	0.179485	2.144943	0.033371	0.357047
ZNF713;GBAS	0.295561	2.156484	0.032444	0.354164
	0.262921	2.152555	0.032757	0.355199
	-0.31841	-2.14888	0.033052	0.356141
	0.24122	2.148535	0.03308	0.356251
	-0.14173	-2.15298	0.032723	0.35512
TNFSF4	-0.40918	-2.14924	0.033023	0.356026
	0.212163	2.15252	0.03276	0.355199
	0.269415	2.151518	0.03284	0.355387
RPS3AP34	-0.20953	-2.15427	0.03262	0.354786
	0.146942	2.15103	0.032879	0.355557
	-0.18427	-2.14721	0.033187	0.356575
DPCD;MGEA5;ARL3;MRPL43;KCNIP2;FBXW4;FAM178A	-0.33462	-2.14505	0.033362	0.357047
ENSG00000234869;CERK;CELSR1;WNT7B	-0.20665	-2.14795	0.033127	0.356361
	-0.27837	-2.15005	0.032958	0.355838
	0.236819	2.15379	0.032659	0.354912
	0.320721	2.154376	0.032612	0.354786
ARHGEF10;MYOM2;CLN8	0.279889	2.140523	0.033731	0.358126
	0.199782	2.148741	0.033063	0.356189
	0.097878	2.153626	0.032672	0.354912
	-0.16922	-2.14835	0.033095	0.356323
	-0.16499	-2.15049	0.032923	0.355706
TTC26;ATP6V0A4	-0.229	-2.14944	0.033007	0.355944
RC3H1	0.246335	2.151589	0.032835	0.355375
	0.154839	2.149917	0.032969	0.355866
	-0.43084	-2.14545	0.03333	0.356938

	0.155828	2.151228	0.032863	0.35547
ARID5B	-0.36432	-2.14532	0.03334	0.356988
ANGPTL1	0.297915	2.150485	0.032923	0.355706
	0.251187	2.152329	0.032775	0.355282
	0.218844	2.152928	0.032727	0.355157
	-0.123	-2.14866	0.03307	0.356225
	-0.18336	-2.15283	0.032735	0.355175
	0.183473	2.150473	0.032924	0.355706
	0.262181	2.152256	0.032781	0.355282
	-0.16019	-2.15325	0.032701	0.354981
	0.272973	2.143384	0.033497	0.35743
N6AMT1	0.290008	2.150523	0.03292	0.355706
	-0.33425	-2.15265	0.03275	0.355175
	0.277281	2.152783	0.032739	0.355175
DYRK2;IRAK3	0.232781	2.145351	0.033338	0.356975
	0.302423	2.153146	0.03271	0.355008
EXOC3L2;SNRPD2;RELB;ERCC1	-0.37543	-2.14837	0.033094	0.356317
	-0.14367	-2.14914	0.033031	0.356033
	0.291036	2.153581	0.032675	0.354912
GIMAP8;GIMAP5;GIMAP6;GIMAP7;GIMAP1;GIMAP4;GIMAP2;				
REPIN1;TMEM176B;NOS3;RARRES2;ENSG00000240449;WDR8				
6-AS1	0.323638	2.150197	0.032946	0.355762
	0.173504	2.141436	0.033657	0.357872
MIEF2;MPRIP;RASD1;TVP23B	-0.17275	-2.14545	0.03333	0.356938
FXYD3;ZNF181;ZNF792	0.257426	2.145444	0.03333	0.356938
	-0.23615	-2.14739	0.033172	0.356526
	-0.18725	-2.14877	0.033061	0.356177
	0.19062	2.148599	0.033075	0.356239
	0.187915	2.149942	0.032967	0.355866
	-0.21911	-2.14669	0.033229	0.356739
	0.123667	2.147081	0.033197	0.356599
	0.179814	2.151324	0.032856	0.35547
	0.096315	2.151106	0.032873	0.355521
STARD9;DLL4;ENSG00000261183;SPINT1;RHOV;LRRC57;TMEM				
87A;LTK;NDUFAF1;ZNF106	-0.2608	-2.1443	0.033422	0.357258
PSTPIP2	-0.26911	-2.14845	0.033087	0.356301
	-0.14901	-2.14352	0.033486	0.35743
	-0.36474	-2.15084	0.032895	0.355593
	-0.23929	-2.14594	0.03329	0.356871
	0.229163	2.151659	0.032829	0.355374
PSD3;PCM1;NAT1;INTS10	-0.1846	-2.15079	0.032898	0.355609
SQRDL;DUOXA2	0.170527	2.150317	0.032937	0.355744
EBF3	-0.40279	-2.14752	0.033162	0.356494
	-0.23349	-2.15231	0.032777	0.355282
	0.255285	2.152068	0.032796	0.355282
	0.22068	2.149792	0.032979	0.355879
CES4A;CMTM4	0.149816	2.15028	0.03294	0.355744

PHLPP1;BCL2	-0.38583	-2.15024	0.032942	0.355762
	0.181753	2.1481	0.033115	0.356352
	-0.23565	-2.15159	0.032835	0.355375
	0.360249	2.152253	0.032781	0.355282
	-0.18754	-2.14871	0.033066	0.356203
	-0.20487	-2.14688	0.033214	0.35668
ZNF415	-0.2688	-2.14668	0.03323	0.356739
NOVA2;EXOC3L2	-0.25107	-2.14947	0.033005	0.355938
	-0.23745	-2.15118	0.032867	0.355491
AFG3L1P	0.180957	2.145887	0.033294	0.356871
CD34	0.248653	2.148074	0.033117	0.356352
HN1L;PDPK1;IFT140;CCDC78;BAIAP3;HS3ST6;HAGH	-0.29991	-2.151	0.032882	0.35556
C17orf97;DOC2B;SCARF1;TLCD2;INPP5K;FAM101B;YWHAE	-0.32859	-2.14729	0.03318	0.356561
ARRB2	-0.24803	-2.14758	0.033157	0.356486
	-0.13524	-2.14733	0.033177	0.356545
	0.312538	2.151739	0.032823	0.35536
	0.227313	2.144659	0.033394	0.357138
	-0.18927	-2.14248	0.033571	0.357569
CAMTA1;CHD5	0.181824	2.146795	0.033221	0.356696
CGNL1;TCF12;ZNF280D	-0.36361	-2.14814	0.033112	0.356352
GPN1;SUPT7L;ENSG00000229951	-0.23454	-2.14397	0.03345	0.357357
	-0.36883	-2.15423	0.032624	0.354786
	0.23795	2.148732	0.033064	0.356189
	0.1594	2.149219	0.033025	0.356026
	0.245528	2.152026	0.0328	0.355282
RPS3AP25	0.263748	2.145731	0.033307	0.356871
ICAM1;PDE4A;COL5A3;AP1M2;KANK2	-0.23775	-2.15136	0.032853	0.35546
UBXN11	-0.13856	-2.14076	0.033712	0.358098
	-0.17615	-2.15277	0.03274	0.355175
	0.2297	2.150302	0.032938	0.355744
	0.194668	2.144347	0.033419	0.357246
	0.264798	2.149721	0.032984	0.355895
RASAL3	0.3415	2.151718	0.032824	0.355364
	-0.23635	-2.1514	0.032849	0.355444
	-0.19178	-2.15099	0.032883	0.35556
ROBO4;ESAM;TMEM218;SPA17;FEZ1;PKNOX2;ROBO3;KIRREL3;				
CDON	0.250123	2.149531	0.033	0.355938
RFX8	-0.2148	-2.15034	0.032935	0.355744
	-0.21277	-2.14935	0.033014	0.35598
	0.222262	2.144396	0.033415	0.357232
FCHSD2	-0.23707	-2.15115	0.032869	0.355498
	-0.22983	-2.15018	0.032948	0.355762
	0.137421	2.146593	0.033237	0.356757
GCLC;LRRC1;ENSG00000236740	-0.25908	-2.14762	0.033154	0.356476
	0.142685	2.148295	0.033099	0.356323

OLFM1;LINC00094;COL5A1;C9orf116;PPP1R26-AS1;ENSG00000233936	-0.25193	-2.14761	0.033155	0.356476
DGKH	0.163139	2.146146	0.033273	0.356871
FUOM;VENTX;ECHS1	-0.20311	-2.1498	0.032978	0.355879
	0.214189	2.143925	0.033453	0.357357
PDE1A	0.211179	2.145864	0.033296	0.356871
	0.250707	2.149905	0.03297	0.355866
	0.310594	2.151511	0.032841	0.355387
	0.205523	2.1438	0.033464	0.357364
	0.225336	2.146621	0.033235	0.356755
DNAJA4;WDR61;TSPAN3;ACSBG1;SCAPER;TBC1D2B;HYKK;CRABP1	0.218854	2.144052	0.033443	0.357357
RLTPR	0.225045	2.147506	0.033163	0.356494
	0.223387	2.151647	0.03283	0.355374
	0.199032	2.145521	0.033324	0.356911
	0.233264	2.15211	0.032793	0.355282
DCHS1	-0.18891	-2.14594	0.03329	0.356871
	-0.30787	-2.14229	0.033586	0.357606
ARL10;SIMC1;DBN1;RMND5B;LMAN2;RNF44;PDLIM7;NSD1	-0.24659	-2.14976	0.032981	0.355891
SNORA23	0.310574	2.149567	0.032997	0.355935
	0.16041	2.149932	0.032968	0.355866
BATF3	-0.28503	-2.14886	0.033054	0.356147
DENND2D	0.231107	2.146613	0.033235	0.356755
	-0.15688	-2.14817	0.03311	0.356352
	0.184602	2.152348	0.032774	0.355282
	0.123128	2.143855	0.033459	0.357364
	0.225447	2.145385	0.033335	0.356972
DMGDH	-0.25043	-2.15132	0.032856	0.35547
	0.261635	2.149161	0.03303	0.356033
	0.373615	2.144995	0.033366	0.357047
	0.145412	2.144144	0.033436	0.357337
GRASP;ACVRL1;ACVR1B;TENC1;KRT80;KRT18;DAZAP2;BIN2;ITGB7;OR7E47P;KRT8	-0.20461	-2.14397	0.033449	0.357357
	0.270915	2.149831	0.032976	0.355879
ABCA8;ABCA6;ABCA5;ABCA10;ABCA9;ENSG00000267361;MIR4524B	0.233031	2.14174	0.033632	0.357807
HK2;MOGS	0.171284	2.14656	0.03324	0.356761
	0.303182	2.148447	0.033087	0.356301
AES	-0.27397	-2.15016	0.032949	0.355769
	-0.1515	-2.14615	0.033273	0.356871
	0.260449	2.152628	0.032751	0.355175
	0.290437	2.145529	0.033323	0.356911
PCSK7	0.219044	2.147247	0.033184	0.356572
	0.116921	2.145974	0.033287	0.356871
	-0.21196	-2.13947	0.033818	0.358411
	0.210182	2.14645	0.033248	0.356784

PARD6B;ZNFX1;SLC9A8;PTGIS;STAU1;CEBPB	-0.27177	-2.15196	0.032805	0.355282
	0.306243	2.145705	0.033309	0.356871
HCP5;LTB	-0.26848	-2.1519	0.03281	0.355282
	0.167353	2.145273	0.033344	0.356988
	0.233178	2.14709	0.033197	0.356599
	-0.21757	-2.14595	0.033289	0.356871
	0.212987	2.151769	0.03282	0.355351
	0.322638	2.146864	0.033215	0.35668
	0.17739	2.150061	0.032957	0.355835
NRROS;SLC51A;MUC4	-0.31867	-2.14572	0.033308	0.356871
	0.289612	2.149953	0.032966	0.355866
	0.253439	2.147112	0.033195	0.356599
AAMP	-0.20608	-2.14381	0.033463	0.357364
	0.240775	2.150448	0.032926	0.355706
	0.154013	2.146638	0.033233	0.356752
	-0.24806	-2.14982	0.032976	0.355879
AFF3;PDCL3	-0.25547	-2.14552	0.033324	0.356911
	0.303367	2.147152	0.033192	0.356591
	0.212279	2.143842	0.03346	0.357364
	0.224885	2.152153	0.032789	0.355282
	0.236041	2.147627	0.033153	0.356476
	-0.24419	-2.14772	0.033145	0.356445
TEKT3;FAM211A-AS1;ENSG00000226145	-0.32302	-2.13838	0.033908	0.358749
	0.152263	2.15009	0.032955	0.355818
	-0.28201	-2.14549	0.033326	0.356928
	-0.21111	-2.15182	0.032816	0.355314
C6orf1	0.10532	2.145239	0.033347	0.356988
	0.23317	2.138946	0.033861	0.358578
	-0.40144	-2.14415	0.033435	0.357337
	0.217166	2.146044	0.033281	0.356871
KRT8P50	-0.17021	-2.14908	0.033036	0.356063
IQCE	-0.14069	-2.14024	0.033754	0.358233
KIAA1244;NHSL1;REPS1	0.278184	2.149657	0.03299	0.355911
	-0.25434	-2.15041	0.032929	0.355714
SLC25A12;ENSG00000091436	-0.36047	-2.14567	0.033311	0.356871
SH3BP2	0.429134	2.149562	0.032997	0.355935
ST3GAL2;IL34;MARVELD3;CHST4;ZNF19;NQO1;ENSG00000262890;ENSG00000260156;ENSG00000260015;PHLPP2;COG4;HYDIN;ENSG00000259833;NFAT5;TAT	-0.3038	-2.14288	0.033538	0.357558
	0.276751	2.149472	0.033004	0.355938
	0.323608	2.149298	0.033019	0.356
	-0.20372	-2.14896	0.033046	0.356118
PTGDS;C9orf163;EGFL7;UAP1L1;LCNL1;GPSM1;TUBB4B;RNF224;ENSG00000264527;NOTCH1;CACNA1B;INPP5E;ENTPD8;SLC34A3;C9orf169	-0.27012	-2.15004	0.032959	0.355838
	-0.20343	-2.14455	0.033402	0.357184
RNASE1;TTC5	0.429461	2.149708	0.032986	0.355895

	0.223499	2.14665	0.033232	0.35675
	-0.16204	-2.14683	0.033218	0.356691
	-0.17292	-2.14942	0.033009	0.355944
	-0.0936	-2.14623	0.033266	0.356871
	0.213255	2.142584	0.033563	0.357569
	0.219292	2.147732	0.033145	0.356445
	-0.26282	-2.14858	0.033076	0.356239
	0.331649	2.151999	0.032802	0.355282
	0.192102	2.143324	0.033502	0.357432
	0.18651	2.147267	0.033182	0.356564
	0.260501	2.150299	0.032938	0.355744
GRIK5;DEDD2;ENSG00000267107;CEACAM6;CEACAM5	-0.19013	-2.14801	0.033122	0.356352
	0.251185	2.149162	0.033029	0.356033
	0.228956	2.148612	0.033074	0.356239
	0.135883	2.148164	0.03311	0.356352
HES6;COL6A3;TRAF3IP1	-0.29823	-2.14266	0.033556	0.357569
	0.210371	2.151627	0.032832	0.355375
	0.308757	2.148149	0.033111	0.356352
	0.20362	2.148812	0.033058	0.356168
	0.107848	2.146208	0.033268	0.356871
ZNF559	-0.1888	-2.14857	0.033077	0.35624
	0.136309	2.14658	0.033238	0.356757
KIAA1614	0.156342	2.145649	0.033313	0.356871
	0.153763	2.144939	0.033371	0.357047
	0.218151	2.14704	0.033201	0.356599
	0.20102	2.146247	0.033265	0.356867
	-0.2042	-2.1436	0.03348	0.357412
TTC28;MTMR3;EMID1;ZNRF3;XBP1	-0.35334	-2.13981	0.03379	0.358359
ATP5C1	0.231168	2.140588	0.033726	0.358126
	0.179992	2.149202	0.033026	0.356032
	0.190595	2.14631	0.03326	0.356857
	0.206704	2.149222	0.033025	0.356026
	-0.35152	-2.13773	0.033961	0.358967
	-0.23248	-2.14756	0.033159	0.356489
	0.209616	2.147995	0.033124	0.356352
	-0.17011	-2.14842	0.03309	0.35631
CAMSAP1;EGFL7;AGPAT2;UAP1L1;PTGDS;GPSM1;TOR4A;SSNA 1	-0.48074	-2.15152	0.03284	0.355387
	-0.20917	-2.14363	0.033477	0.357403
	0.134638	2.134332	0.034242	0.359665
AHNAK2;GPR132	-0.21424	-2.14798	0.033125	0.356352
ADSS	0.251361	2.149865	0.032973	0.355878
	-0.30914	-2.14674	0.033225	0.356729
	0.202299	2.149004	0.033042	0.356087
	0.135611	2.141808	0.033626	0.357795
	0.232852	2.146272	0.033263	0.35686
	-0.20443	-2.143	0.033529	0.357524

ENSG00000235096;ENSG00000260855	-0.18524	-2.14335	0.0335	0.35743
	-0.20947	-2.14653	0.033242	0.356761
	-0.23277	-2.14751	0.033162	0.356494
ERG	-0.32099	-2.14689	0.033213	0.35668
MLLT4;ENSG00000231720;PRR18	0.393492	2.152017	0.0328	0.355282
	-0.24506	-2.14285	0.033541	0.357558
DCLK2	0.219656	2.150356	0.032933	0.355744
	-0.21765	-2.14381	0.033463	0.357364
	-0.21149	-2.14728	0.033182	0.356564
ZBP1;RAE1	-0.36396	-2.14654	0.033241	0.356761
	-0.41558	-2.14951	0.033002	0.355938
	0.172112	2.143229	0.03351	0.357462
ENSG00000150076	-0.17184	-2.14975	0.032982	0.355891
	-0.12537	-2.14655	0.03324	0.356761
INPP5A;LRRC27;TTC40;PWWP2B;FUOM;TUBGCP2	0.319954	2.145758	0.033304	0.356871
	0.198038	2.145723	0.033307	0.356871
COL18A1;ICOSLG;TRPM2;ITGB2;POFUT2;LRRC3;ADARB1;ENSG00000215447	0.399543	2.148367	0.033094	0.356317
TRAF3IP1	0.32753	2.145912	0.033292	0.356871
SUPT7L	0.166488	2.144731	0.033388	0.357104
HMHA1;ARID3A	-0.31771	-2.14524	0.033347	0.356988
	-0.23134	-2.14606	0.03328	0.356871
CDHR4	-0.16835	-2.14614	0.033273	0.356871
	-0.18563	-2.14255	0.033565	0.357569
	0.268127	2.149583	0.032996	0.355935
COL16A1;SERINC2;SDC3	0.229914	2.147041	0.033201	0.356599
	0.116007	2.151058	0.032877	0.355554
	-0.13594	-2.14433	0.03342	0.357246
	0.199747	2.147975	0.033125	0.356352
	-0.2236	-2.1475	0.033163	0.356494
	0.248704	2.145245	0.033346	0.356988
NDUFS6;NKD2	-0.19531	-2.14865	0.033071	0.356225
	-0.21742	-2.14879	0.033059	0.356174
	-0.26812	-2.1461	0.033277	0.356871
	0.108914	2.139785	0.033792	0.358368
	-0.1464	-2.14689	0.033213	0.35668
	-0.24215	-2.15041	0.032929	0.355714
	0.171144	2.145259	0.033345	0.356988
	0.25907	2.147998	0.033123	0.356352
	-0.22899	-2.14498	0.033367	0.357047
SNX29;ENSG00000259876	0.278532	2.146375	0.033255	0.35681
SMIM14;UGDH;FAM114A1;WDR19;TLR1	-0.34668	-2.14401	0.033447	0.357357
	0.240697	2.145933	0.03329	0.356871
ZNRD1-AS1	0.183267	2.144692	0.033391	0.357119
	-0.24447	-2.14582	0.033299	0.356871
PEAR1;NES;MEF2D;FCRL5;ARHGEF2;HDGF;FCRL3;LRRC71;SH2D2A;RAB25;CCT3	-0.20124	-2.14604	0.033282	0.356871

	0.234958	2.147463	0.033166	0.356501
	0.249217	2.146016	0.033284	0.356871
STRBP;MIR600HG	-0.27436	-2.1477	0.033147	0.356457
PTPN6;CD4;ACRBP;CD163	-0.20968	-2.1506	0.032914	0.355706
	0.240413	2.145224	0.033348	0.356988
CDC42BPA;RHOU	-0.31864	-2.14808	0.033117	0.356352
	0.419029	2.139197	0.03384	0.358484
APBB2	0.196895	2.144813	0.033381	0.357077
	0.154677	2.142606	0.033561	0.357569
	0.15943	2.1472	0.033188	0.356575
TBX3;TBX5;TBX5-AS1	-0.20543	-2.14234	0.033583	0.357584
NET1	-0.27044	-2.15202	0.0328	0.355282
	0.292158	2.148588	0.033076	0.356239
	0.245928	2.145019	0.033364	0.357047
TRNAU1AP	-0.39038	-2.14839	0.033092	0.356314
	0.272663	2.148076	0.033117	0.356352
	-0.13921	-2.14225	0.03359	0.35763
SELPLG	-0.25568	-2.14473	0.033388	0.357104
TMEM131;FAM178B;FER1L5;LINC01125;CNNM4;ARID5A	-0.12533	-2.14586	0.033296	0.356871
HIF3A	-0.31528	-2.14612	0.033275	0.356871
SERPINB9;SLC22A23	-0.28109	-2.1459	0.033293	0.356871
	0.258143	2.142355	0.033581	0.357584
CD81;CARS-AS1	-0.2785	-2.14828	0.033101	0.356323
	0.258647	2.145687	0.03331	0.356871
VSTM2L;SRC	-0.19585	-2.14757	0.033158	0.356486
	-0.23953	-2.14346	0.033491	0.35743
FOXF1;FOXL1;FENDRR	0.24459	2.146384	0.033254	0.35681
	0.287665	2.148313	0.033098	0.356323
	0.196205	2.143207	0.033512	0.357472
MRTO4	0.146905	2.147627	0.033153	0.356476
PIK3CG	-0.26999	-2.14485	0.033378	0.357073
MND1;TRIM2	-0.32342	-2.14843	0.033089	0.35631
	0.571076	2.115587	0.03583	0.364342
TMC8;TMC6;TNRC6C-AS1	0.229868	2.147883	0.033133	0.356376
	0.285573	2.147489	0.033164	0.356496
	-0.20814	-2.14733	0.033177	0.356545
PACRG	-0.27868	-2.14915	0.03303	0.356033
	0.325841	2.150536	0.032919	0.355706
	-0.25797	-2.14721	0.033187	0.356575
	0.153924	2.146074	0.033279	0.356871
	-0.18705	-2.14707	0.033198	0.356599
	0.212364	2.14241	0.033577	0.357584
	-0.19395	-2.14792	0.03313	0.356368
NAT1;PCM1;SLC7A2;ENSG00000253671	-0.19369	-2.14916	0.033029	0.356033
	0.251512	2.147506	0.033163	0.356494
	0.183444	2.146502	0.033244	0.356764
	-0.12924	-2.14099	0.033693	0.358042

	-0.17455	-2.14453	0.033404	0.357192
	-0.16702	-2.14519	0.033351	0.356988
	-0.2316	-2.14588	0.033295	0.356871
	0.148823	2.142625	0.033559	0.357569
	-0.16711	-2.14804	0.033119	0.356352
SMG5	-0.20878	-2.14526	0.033345	0.356988
ZDHHC14;EZR;DYNLT1;SYTL3	-0.37296	-2.14643	0.03325	0.356786
MANF	0.142778	2.14614	0.033274	0.356871
FBXW12	0.298323	2.140904	0.0337	0.358046
	-0.16763	-2.14781	0.033138	0.356394
	-0.20549	-2.1457	0.033309	0.356871
	0.284162	2.142053	0.033606	0.3577
	-0.23905	-2.14402	0.033445	0.357357
	0.225366	2.143938	0.033452	0.357357
ITGB7;KRT121P	0.26988	2.150508	0.032921	0.355706
	-0.20446	-2.14905	0.033038	0.356082
	0.114273	2.145789	0.033302	0.356871
	0.336512	2.147182	0.033189	0.356575
	-0.19557	-2.14266	0.033556	0.357569
AP1M2;KANK2;ZNF440	0.191253	2.143671	0.033474	0.357389
	0.300057	2.143779	0.033465	0.357367
LRRC27;TTC40;INPP5A;KNDC1	-0.54423	-2.14531	0.033341	0.356988
	-0.47435	-2.13677	0.034041	0.359288
WDR27	-0.21729	-2.14701	0.033203	0.356613
	0.279532	2.146027	0.033283	0.356871
CCDC24;PTPRF;SLC6A9;KDM4A;TCTEX1D4;WDR65	0.279973	2.148311	0.033098	0.356323
PLCG2;ENSG00000260682	-0.3381	-2.14641	0.033252	0.356798
	0.207141	2.146668	0.033231	0.356743
	0.25719	2.147463	0.033167	0.356501
	0.233631	2.142713	0.033552	0.357569
	0.241966	2.13779	0.033956	0.358967
PLBD2;IQCD	-0.25399	-2.14092	0.033699	0.358046
	0.197548	2.140893	0.033701	0.358046
	-0.14823	-2.13864	0.033886	0.358658
	0.224281	2.142906	0.033536	0.357558
	0.291616	2.149142	0.033031	0.356033
	0.23239	2.145802	0.033301	0.356871
GALNT6;SLC4A8;RARG;BIN2;OR7E47P;KRT4;IGFBP6;KRT5;TENC 1	-0.30495	-2.14824	0.033104	0.356325
	-0.29092	-2.14801	0.033122	0.356352
CCDC135;CCDC113;ENSG00000260467;ENSG00000260438;KA TNB1;PRSS54;C16orf80	-0.21436	-2.14144	0.033656	0.357872
	-0.13627	-2.14491	0.033373	0.357047
	-0.26598	-2.14437	0.033417	0.357237
	0.268457	2.146097	0.033277	0.356871
	-0.15123	-2.14373	0.03347	0.357376
IQCE;PSMG3-AS1;TMEM184A;GNA12;CARD11	0.259087	2.138723	0.033879	0.358658

	0.11772	2.142769	0.033548	0.357569
	0.102559	2.144882	0.033376	0.35706
	-0.21798	-2.14518	0.033351	0.356988
	0.227684	2.136823	0.034036	0.359286
	-0.28471	-2.14178	0.033629	0.357799
	0.421357	2.1451	0.033358	0.357041
	-0.17884	-2.13814	0.033927	0.358845
	0.172272	2.142873	0.033539	0.357558
	-0.16336	-2.14535	0.033337	0.356975
	0.237126	2.131542	0.034475	0.36028
	0.179791	2.145869	0.033295	0.356871
	0.279387	2.146741	0.033225	0.356729
	-0.24024	-2.13554	0.034142	0.359441
	0.270604	2.145666	0.033312	0.356871
GCDH;ZNF20	0.250494	2.140611	0.033724	0.358126
DNAJA3	-0.23482	-2.14594	0.03329	0.356871
	-0.23555	-2.14608	0.033278	0.356871
	0.248872	2.146446	0.033249	0.356784
	-0.37194	-2.14652	0.033243	0.356764
METTL2B	0.157643	2.145814	0.0333	0.356871
	0.407436	2.144854	0.033378	0.357073
	0.245975	2.144279	0.033425	0.357264
	0.148957	2.143153	0.033516	0.357501
	0.204614	2.143722	0.03347	0.357376
	-0.1853	-2.14446	0.03341	0.35722
	-0.22606	-2.14608	0.033278	0.356871
	0.117098	2.146694	0.033229	0.356739
	-0.16127	-2.14203	0.033608	0.357712
SLC12A1	0.267888	2.141524	0.033649	0.357845
	-0.21203	-2.14195	0.033614	0.357725
	0.137709	2.139561	0.03381	0.358411
HLA-F	0.113087	2.14481	0.033381	0.357077
	0.173529	2.143793	0.033464	0.357364
CSPP1;MCMDC2;PPP1R42;TRIM55;ENSG00000253223;ENSG00000246145;TCF24;DNAJC5B	-0.25026	-2.14225	0.03359	0.35763
BPNT1	0.3098	2.144691	0.033391	0.357119
	0.155698	2.148028	0.033121	0.356352
	0.156245	2.143503	0.033488	0.35743
TMEM200B	0.105986	2.140543	0.03373	0.358126
ENSG00000254290;ENSG00000254111;ENSG00000253161;ENSG00000253414;GPR124	-0.171	-2.14112	0.033682	0.358009
	0.223827	2.140362	0.033745	0.358177
	0.135583	2.146864	0.033215	0.35668
	0.299077	2.144025	0.033445	0.357357
MMRN2;GLUD1;SNCG	0.200942	2.138629	0.033887	0.358658
GVINP1	-0.30588	-2.14477	0.033384	0.357083
	-0.28706	-2.14563	0.033315	0.356871

FBXL13;LRWD1;DPY19L2P2;ORAI2;LRRC17	-0.24275	-2.13955	0.033811	0.358411
TCF3;ZNF57	-0.29194	-2.14398	0.033449	0.357357
	0.288144	2.143383	0.033498	0.35743
GFRA2;CCAR2;DOK2;PIWIL2;POLR3D	0.263717	2.142994	0.033529	0.357524
TCN1	-0.25166	-2.13681	0.034037	0.359288
TAL1;TSPAN1;STIL;CMPK1	-0.33203	-2.14392	0.033453	0.357357
	0.217907	2.144926	0.033372	0.357047
WFDC6	0.19809	2.136164	0.03409	0.359408
	-0.1497	-2.14087	0.033703	0.358046
	-0.12558	-2.14514	0.033355	0.357016
SH3BP5;FGD5;OXNAD1	0.217574	2.142628	0.033559	0.357569
	-0.32824	-2.14441	0.033414	0.357231
	-0.1661	-2.14383	0.033461	0.357364
	-0.19968	-2.1481	0.033115	0.356352
	0.270935	2.146132	0.033274	0.356871
	-0.1919	-2.14406	0.033442	0.357357
NKD1;ZNF423;ENSG00000260029;ENSG00000261685	0.267895	2.131867	0.034447	0.360269
	0.109534	2.141567	0.033646	0.357823
	-0.21638	-2.14535	0.033337	0.356975
	0.139718	2.145261	0.033345	0.356988
	0.2021	2.143539	0.033485	0.35743
	0.206218	2.137528	0.033978	0.359017
CLDN5	-0.2128	-2.14249	0.033571	0.357569
	-0.25529	-2.14561	0.033316	0.356871
	-0.14213	-2.13906	0.033851	0.358534
	-0.12812	-2.13747	0.033982	0.359048
GIPR	-0.28627	-2.14249	0.03357	0.357569
	0.121858	2.141222	0.033674	0.357977
MLLT4;SMOC2;THBS2	-0.19443	-2.13564	0.034134	0.359441
	-0.19989	-2.14564	0.033314	0.356871
	-0.17161	-2.14306	0.033524	0.357524
SLC52A2	0.150489	2.139537	0.033812	0.358411
	-0.31378	-2.14602	0.033283	0.356871
MCTP1;RHOBTB3	0.314905	2.142305	0.033586	0.357606
	-0.22353	-2.14687	0.033214	0.35668
	-0.20531	-2.14245	0.033573	0.357579
	-0.37712	-2.14413	0.033436	0.357337
	-0.23507	-2.14491	0.033374	0.357047
	0.344404	2.142804	0.033545	0.357558
	0.253683	2.1489	0.033051	0.356141
	0.138657	2.145414	0.033332	0.356955
NFIA	0.271042	2.146202	0.033268	0.356871
	-0.19158	-2.14074	0.033714	0.358105
	-0.28384	-2.14498	0.033367	0.357047
	-0.22863	-2.14174	0.033631	0.357807
	0.129284	2.138086	0.033932	0.358848
PML;ARID3B	-0.22786	-2.14718	0.033189	0.356575

YIF1A	-0.23467	-2.14303	0.033527	0.357524
TMC8;CBX2;C1QTNF1;ENSG00000178404;TNRC6C;TIMP2;ENSG00000267491;USP36;TMC6	-0.26908	-2.14627	0.033263	0.35686
ENSG00000235337;ENSG00000239498;EPHA4;ENSG00000236451	-0.31562	-2.14479	0.033383	0.357077
	0.298396	2.14395	0.033451	0.357357
XRCC1	0.161929	2.1428	0.033545	0.357558
	-0.22045	-2.14184	0.033624	0.357788
	0.147176	2.140499	0.033733	0.358126
	-0.23251	-2.14403	0.033445	0.357357
SLC25A45	0.152179	2.142837	0.033542	0.357558
KAZN;DNAJC16;FBLIM1	-0.21885	-2.14211	0.033602	0.357683
	0.204942	2.147878	0.033133	0.356376
IL32;CCDC64B;HS3ST6;ENSG00000205890;PRSS22	-0.36985	-2.14433	0.033421	0.357246
	-0.2193	-2.13827	0.033916	0.358822
OARD1;TRERF1	0.244696	2.147817	0.033138	0.356394
	-0.24343	-2.14267	0.033556	0.357569
CLUAP1;MSRB1;ENSG00000272079;FLYWCH1;ZNF263;ENSG00000205890;PDPK1;HCFC1R1;HAGH;CREBBP	0.196935	2.13432	0.034243	0.359665
ADAD2;KIAA0513;FAM92B;COTL1;USP10	0.256862	2.136619	0.034053	0.359297
	0.223332	2.139676	0.033801	0.358411
	0.196743	2.143355	0.0335	0.35743
	0.259913	2.146295	0.033261	0.35686
NAP1L4;IGF2	0.176902	2.147386	0.033173	0.356526
FAM83H-AS1;FAM83H	-0.31185	-2.14614	0.033273	0.356871
	-0.20129	-2.14737	0.033174	0.35653
	-0.33493	-2.14442	0.033413	0.357226
ENSG00000272374;ANKS1A;TCP11;DEF6;SCUBE3	-0.19263	-2.1357	0.034129	0.359441
	0.159804	2.139782	0.033792	0.358368
	-0.13281	-2.14036	0.033745	0.358177
EFCAB1	0.134123	2.143466	0.033491	0.35743
	0.314494	2.138599	0.033889	0.358658
TBC1D4;LMO7	-0.32821	-2.13764	0.033969	0.358996
	-0.14343	-2.14385	0.03346	0.357364
INPP5D	0.249473	2.138959	0.03386	0.358578
	-0.26565	-2.1439	0.033456	0.357364
	0.260818	2.143712	0.033471	0.357376
	-0.23651	-2.13863	0.033887	0.358658
	0.256568	2.142701	0.033553	0.357569
	-0.20688	-2.14168	0.033636	0.357818
RUFY4;WNT10A;STK36;CCDC108;TTLL4	0.215843	2.143851	0.033459	0.357364
	-0.16757	-2.14344	0.033493	0.35743
	0.173306	2.140971	0.033695	0.358045
	0.262718	2.134623	0.034218	0.359609
	0.256472	2.147234	0.033185	0.356574
SLC43A2;ENSG00000262133	-0.25263	-2.13579	0.034121	0.359436

C1QTNF1;CBX2;TNRC6C;TIMP2;ENSG00000178404;CYTH1	-0.30692	-2.13344	0.034316	0.359914
	0.402087	2.143459	0.033491	0.35743
	0.265149	2.144034	0.033445	0.357357
ENSG00000260285;MOK;ENSG00000259508	-0.23072	-2.14458	0.0334	0.357177
CCDC81	-0.2921	-2.1385	0.033898	0.358676
	-0.24474	-2.14618	0.03327	0.356871
	-0.21911	-2.14015	0.033762	0.358263
	-0.14743	-2.14156	0.033646	0.357823
	-0.28614	-2.14171	0.033634	0.357811
	0.22036	2.144974	0.033368	0.357047
ADORA2B;PMP22;TRPV2;ZSWIM7	-0.25732	-2.13921	0.033839	0.358484
	0.210783	2.140804	0.033708	0.358075
TMEM128;FAM193A	0.245013	2.143377	0.033498	0.35743
SCARB1;ZNF664	-0.21023	-2.14215	0.033598	0.35767
	0.349272	2.144927	0.033372	0.357047
MIR4664;FAM83H-AS1	-0.20486	-2.1418	0.033627	0.357795
	0.151531	2.141681	0.033636	0.357818
	0.180763	2.141733	0.033632	0.357807
	-0.31151	-2.13879	0.033874	0.358638
	0.190451	2.141225	0.033674	0.357977
	0.142417	2.140041	0.033771	0.358276
KPNA3	0.187878	2.144385	0.033416	0.357233
	0.19399	2.141189	0.033677	0.357989
	0.189472	2.142499	0.03357	0.357569
RUNX1	-0.28942	-2.14443	0.033412	0.357226
	-0.14595	-2.14409	0.03344	0.357351
	0.125707	2.137062	0.034016	0.359205
	0.212255	2.144462	0.03341	0.35722
	-0.16685	-2.13947	0.033817	0.358411
	-0.31163	-2.14372	0.03347	0.357376
MACF1;MEAF6;RSPO1;MTF1;MYCBP;DNALI1;ENSG00000224592	-0.26574	-2.14088	0.033702	0.358046
MIEN1;IGFBP4	0.236583	2.142425	0.033576	0.357581
	0.345083	2.145062	0.033361	0.357047
KLRG1;CLEC2D;ENSG00000213443;ENSG00000257027;ENSG00000256937	0.414244	2.146281	0.033262	0.35686
	0.196514	2.139173	0.033842	0.358484
	0.09656	2.143238	0.033509	0.357462
	-0.1316	-2.14146	0.033654	0.357869
LIX1L;CHD1L;ITGA10;PDIA3P1	0.154429	2.138012	0.033938	0.35888
	0.24304	2.143624	0.033478	0.357403
	-0.20755	-2.13513	0.034176	0.359495
	0.233913	2.140539	0.03373	0.358126
HSPA12B	-0.30771	-2.14269	0.033554	0.357569
	0.343129	2.145642	0.033314	0.356871
EPHX1	0.26624	2.138036	0.033936	0.358868

	0.197371	2.1465	0.033244	0.356764
	-0.22941	-2.1369	0.034029	0.359242
TMEM173	-0.15801	-2.14146	0.033655	0.357869
	0.157229	2.143079	0.033522	0.357524
AIM1L;TRNP1;SFN	-0.23797	-2.1386	0.033889	0.358658
LAMB2;BSN;QARS;GPX1;AMT;APEH;IP6K2	-0.23019	-2.14507	0.03336	0.357047
ABHD17C;C15orf26;ENSG00000259594	0.276597	2.135693	0.034129	0.359441
	0.229441	2.145564	0.03332	0.356897
ENSG00000188242;SLC9A3;PDCD6;ENSG00000225138;LPCAT1	0.194256	2.138551	0.033893	0.358672
	-0.18779	-2.1401	0.033766	0.358263
RC3H2	0.303651	2.147059	0.033199	0.356599
	-0.25691	-2.14338	0.033498	0.35743
	0.21218	2.140089	0.033767	0.358263
	-0.15631	-2.14499	0.033367	0.357047
	0.297155	2.144132	0.033437	0.357337
	-0.32892	-2.14371	0.033471	0.357376
	0.189139	2.135726	0.034127	0.359441
DENND3	0.179562	2.13817	0.033925	0.358845
	0.30509	2.140913	0.033699	0.358046
	-0.26014	-2.14302	0.033527	0.357524
SNRNP25;NME4;SOX8;RAB11FIP3;NPRL3;ENSG00000260807;RGS11	-0.50861	-2.14461	0.033398	0.357171
	0.295603	2.146469	0.033247	0.356782
	0.173661	2.14281	0.033544	0.357558
	-0.1789	-2.13249	0.034395	0.360143
ACAP1;ELP5;XAF1	-0.30056	-2.14596	0.033288	0.356871
IQCA1;RPL3P5	-0.31549	-2.13856	0.033892	0.358672
	-0.2173	-2.14368	0.033473	0.357389
	-0.29566	-2.14068	0.033719	0.358126
GPR133	0.263178	2.143032	0.033526	0.357524
PLAU;ENSG00000272140	-0.20129	-2.13937	0.033826	0.358411
	-0.18154	-2.14105	0.033688	0.358035
	-0.16993	-2.14501	0.033365	0.357047
C1QTNF1;ENSG00000178404;TIMP2;USP36;TNRC6C-AS1;TNRC6C	0.238685	2.138546	0.033894	0.358672
TTC39A;DMRTA2	0.2125	2.142932	0.033534	0.357551
	0.150245	2.142509	0.033569	0.357569
	-0.16881	-2.14421	0.033431	0.357308
IKZF1;DDC	0.32842	2.144452	0.033411	0.35722
	0.227312	2.140817	0.033707	0.358072
SGPP2	0.324292	2.137944	0.033943	0.358912
ENSG00000225265	0.226355	2.13425	0.034249	0.35968
TRAF3;C14orf2	-0.21276	-2.14574	0.033306	0.356871
PWAR6	0.257352	2.136583	0.034056	0.359297
	0.179453	2.143369	0.033499	0.35743
TMC8;TMC6	0.346535	2.144936	0.033371	0.357047

	0.214263	2.141595	0.033644	0.357822
	0.158664	2.142627	0.033559	0.357569
TMEM255B	-0.35647	-2.14343	0.033494	0.35743
ECHS1	0.206284	2.14264	0.033558	0.357569
	0.18641	2.133161	0.03434	0.359943
	0.187344	2.143885	0.033457	0.357364
	0.218894	2.142076	0.033604	0.357689
	-0.14639	-2.14028	0.033751	0.358224
	0.19859	2.134697	0.034212	0.359609
	-0.20567	-2.14197	0.033613	0.357725
FGFR4;DBN1;ARL10;PDLIM7;RGS14;GRK6	0.250518	2.140132	0.033763	0.358263
MLKL;ENSG00000203472;CHST6;ENSG00000262583;CFDP1	-0.31244	-2.13676	0.034041	0.359288
	0.25839	2.139449	0.03382	0.358411
	0.200042	2.14459	0.033399	0.357177
	0.20734	2.140619	0.033723	0.358126
	-0.12391	-2.13509	0.034179	0.359495
	0.238996	2.144231	0.033429	0.357296
VPS28	0.232972	2.136088	0.034097	0.359408
RERE;ENSG00000232912;ENSG00000270282	0.209424	2.144277	0.033425	0.357264
	0.277411	2.137728	0.033961	0.358967
	0.238656	2.138172	0.033925	0.358845
	-0.15995	-2.14092	0.033699	0.358046
	-0.15369	-2.14018	0.03376	0.358263
	0.235687	2.139185	0.033841	0.358484
	0.192538	2.137461	0.033983	0.359048
	0.221588	2.143057	0.033524	0.357524
	0.229269	2.143234	0.03351	0.357462
SHANK2;MRGPRF	-0.46717	-2.13875	0.033877	0.358657
	0.176381	2.145217	0.033348	0.356988
	-0.19747	-2.1394	0.033824	0.358411
	0.278629	2.142369	0.03358	0.357584
	0.249406	2.143727	0.03347	0.357376
	0.251626	2.144791	0.033383	0.357077
	0.155981	2.138109	0.03393	0.358848
MDGA1	0.184628	2.144455	0.03341	0.35722
	0.26384	2.140717	0.033715	0.358114
RARRES3;C11orf95	0.182417	2.141962	0.033614	0.357725
	0.235743	2.141902	0.033618	0.35776
	-0.19719	-2.14208	0.033604	0.357689
	-0.11551	-2.14384	0.033461	0.357364
SEPT7P6	0.272522	2.142977	0.033531	0.357529
AIF1L;PPAPDC3	0.273329	2.139825	0.033789	0.358357
	0.15315	2.144836	0.033379	0.357073
	0.14862	2.138976	0.033858	0.358577
	0.199386	2.142577	0.033563	0.357569
MRPL14;MRPS18A;SLC29A1;POLR1C	-0.24177	-2.13988	0.033784	0.358333

TRIM16L;TVP23B;PRPSAP2;ALDH3A1;B9D1;FOXO3B;ULK2	-0.26175	-2.13437	0.034239	0.359665
FMNL3;SPATS2	0.165173	2.141518	0.03365	0.357845
	-0.15771	-2.1387	0.033881	0.358658
	0.204524	2.139898	0.033783	0.358333
C14orf142	0.211243	2.140539	0.03373	0.358126
	-0.19648	-2.14161	0.033643	0.357822
	0.215205	2.140401	0.033741	0.35816
	0.177995	2.140347	0.033746	0.358179
TIGD4;ENSG00000248571	-0.24002	-2.1428	0.033545	0.357558
	-0.24801	-2.14085	0.033704	0.358051
	0.283127	2.143368	0.033499	0.35743
PDCD6;ENSG00000188242;TPPP	-0.4524	-2.13692	0.034028	0.359242
	-0.18675	-2.13959	0.033808	0.358411
	0.226357	2.143316	0.033503	0.357432
	0.317853	2.142569	0.033564	0.357569
	-0.17156	-2.13763	0.033969	0.358996
	-0.17159	-2.1428	0.033545	0.357558
	0.236148	2.142575	0.033563	0.357569
DUS1L	-0.31619	-2.14284	0.033542	0.357558
	0.461266	2.138752	0.033877	0.358657
	0.165983	2.139603	0.033807	0.358411
SCARNA5;SCARNA6;EIF4E2;INPP5D	-0.15037	-2.14017	0.033761	0.358263
	0.18066	2.140988	0.033693	0.358042
	0.201846	2.144524	0.033405	0.357193
	-0.35704	-2.14345	0.033492	0.35743
	-0.15386	-2.1406	0.033725	0.358126
	-0.25176	-2.14137	0.033662	0.357917
PCBD2;TCF7	0.256832	2.141032	0.03369	0.358035
	0.298427	2.138508	0.033897	0.358676
	-0.26323	-2.14285	0.033541	0.357558
CLDN5;DGCR6	-0.24588	-2.13651	0.034062	0.359298
	0.208292	2.139887	0.033783	0.358333
	0.343342	2.143152	0.033516	0.357501
	0.194502	2.142149	0.033598	0.35767
ACACB;ARPC3;MMAB;ATP2A2;FOXN4;ENSG00000256139;GPN3	-0.31652	-2.13943	0.033821	0.358411
	0.17616	2.142376	0.03358	0.357584
ARL10	0.30197	2.143118	0.033519	0.357514
	-0.15062	-2.13639	0.034071	0.3593
	-0.18162	-2.13522	0.034169	0.359495
	0.227242	2.140485	0.033734	0.35813
	-0.12605	-2.13859	0.03389	0.358658
	-0.13857	-2.1382	0.033923	0.358845
	-0.22905	-2.1418	0.033627	0.357795
	0.137726	2.142645	0.033558	0.357569
SACS;MIPEP;SPATA13;PARP4;ENSG00000228741	-0.25152	-2.13732	0.033995	0.359129

	0.155297	2.140505	0.033733	0.358126
	-0.27715	-2.14158	0.033644	0.357822
	-0.30997	-2.14394	0.033452	0.357357
KAZN;ENSG00000224621;EPHA2	-0.33656	-2.13975	0.033795	0.358387
	0.292369	2.141655	0.033639	0.35782
	-0.2014	-2.13653	0.03406	0.359298
	0.289411	2.141068	0.033687	0.358035
	-0.29022	-2.14346	0.033492	0.35743
PLA2G4A	0.263909	2.137599	0.033972	0.358999
	0.264996	2.138808	0.033872	0.358629
SYNPO;PDGFRB;HMGXB3;ANXA6	0.288821	2.139656	0.033802	0.358411
	0.235875	2.142997	0.033529	0.357524
	0.131647	2.14359	0.033481	0.357416
	0.277032	2.143624	0.033478	0.357403
	0.283635	2.141994	0.033611	0.357725
	0.198177	2.139502	0.033815	0.358411
DDR1;PPP1R18	-0.33262	-2.13768	0.033965	0.358988
	0.214251	2.140653	0.033721	0.358126
	0.272538	2.143312	0.033503	0.357432
	0.23674	2.140088	0.033767	0.358263
	-0.15286	-2.13567	0.034131	0.359441
	-0.26609	-2.14047	0.033736	0.358132
	0.150568	2.140557	0.033729	0.358126
MTF2;ENSG00000235501	0.277105	2.144557	0.033402	0.357184
HTRA3;AFAP1	-0.28389	-2.14161	0.033643	0.357822
	0.25028	2.140085	0.033767	0.358263
	0.265399	2.142936	0.033534	0.357551
	0.263627	2.141334	0.033665	0.357942
RNF166;CYBA;SNAI3	-0.19357	-2.14299	0.033529	0.357524
TUBB;ABCF1;TCF19	-0.27137	-2.14263	0.033559	0.357569
	0.178527	2.137215	0.034004	0.359157
HILPDA	-0.17898	-2.14185	0.033622	0.357788
ENTPD1;SORBS1;PDLIM1;PLCE1	-0.21021	-2.13586	0.034116	0.359436
	-0.23017	-2.13897	0.033859	0.358577
	-0.17719	-2.13679	0.034038	0.359288
	-0.31485	-2.14098	0.033694	0.358042
	-0.15179	-2.1404	0.033741	0.35816
	0.225206	2.14043	0.033739	0.35816
CHCHD4	0.215201	2.141299	0.033668	0.357958
	-0.2921	-2.14087	0.033703	0.358046
	0.228897	2.138898	0.033865	0.358587
	-0.24805	-2.1433	0.033504	0.357432
COL13A1;PALD1;PRF1	0.228569	2.143292	0.033505	0.357433
	-0.24474	-2.1413	0.033668	0.357958
	-0.20096	-2.14342	0.033495	0.35743
	-0.22496	-2.1399	0.033783	0.358333
USP48	0.193841	2.140199	0.033758	0.358258

CACNA1H;RGS11;UBE2I	-0.2669	-2.13529	0.034163	0.359495
	0.30642	2.140688	0.033718	0.358126
	0.232662	2.139537	0.033812	0.358411
	-0.17581	-2.14015	0.033762	0.358263
SDHA	0.200559	2.141175	0.033678	0.357989
ENSG00000236548	-0.27222	-2.13847	0.0339	0.35869
	-0.23885	-2.13656	0.034058	0.359297
TEAD2;VRK3;HRC	-0.18882	-2.13934	0.033829	0.358425
	-0.18879	-2.14211	0.033602	0.357683
	0.271397	2.127153	0.034843	0.361368
	0.286682	2.142681	0.033555	0.357569
	-0.22291	-2.14184	0.033624	0.357788
	-0.14117	-2.1421	0.033602	0.357683
	-0.25315	-2.14164	0.03364	0.35782
	0.288306	2.135005	0.034186	0.359533
RPS3AP25	0.221938	2.145181	0.033351	0.356988
	-0.20113	-2.14125	0.033672	0.357977
WNT5A	0.251375	2.142993	0.033529	0.357524
	0.198951	2.141639	0.03364	0.35782
CDIP1;GLIS2;ROGDI;GLYR1;SEC14L5;SRL;C16orf71	-0.24747	-2.1425	0.03357	0.357569
	-0.51292	-2.14008	0.033768	0.358263
STMND1	0.368339	2.139172	0.033842	0.358484
	-0.25111	-2.13552	0.034143	0.359441
	0.193267	2.137663	0.033966	0.358988
SKI	-0.25351	-2.12755	0.034809	0.361216
	0.236297	2.135261	0.034165	0.359495
	-0.14582	-2.14057	0.033728	0.358126
	0.251799	2.141049	0.033688	0.358035
	0.243141	2.142169	0.033597	0.35767
	0.272407	2.138412	0.033905	0.358726
	0.141571	2.136108	0.034095	0.359408
	0.170284	2.139597	0.033807	0.358411
	-0.20011	-2.14102	0.03369	0.358035
	0.243064	2.139381	0.033825	0.358411
	0.317979	2.139515	0.033814	0.358411
	0.211485	2.137059	0.034016	0.359205
CARS;NAP1L4;TSPAN32;IGF2;TSSC2;OSBPL5;MRPL23;CDKN1C; CD81;C11orf21	-0.27726	-2.13605	0.0341	0.359408
NRROS;SLC51A;MUC4	-0.43811	-2.1298	0.034621	0.360747
	0.228276	2.135165	0.034173	0.359495
COL13A1;PALD1	0.214096	2.142727	0.033551	0.357569
	0.262656	2.139377	0.033825	0.358411
	0.223594	2.142498	0.03357	0.357569
	-0.27346	-2.13491	0.034194	0.359572
	0.212168	2.136265	0.034082	0.359361
	-0.35946	-2.14253	0.033567	0.357569
	0.267961	2.142357	0.033581	0.357584

	-0.20941	-2.13751	0.03398	0.359028
	0.271001	2.136901	0.034029	0.359242
	-0.21093	-2.14216	0.033597	0.35767
PSMB9;PSMB8;HLA-DMB;HLA-DRA;HLA-DMA	0.146401	2.140057	0.03377	0.358271
	0.16085	2.133158	0.03434	0.359943
	0.14157	2.13949	0.033816	0.358411
FLT4;ADAMTS2	-0.32563	-2.14255	0.033566	0.357569
	0.261207	2.136458	0.034066	0.3593
AHNAK2	0.335563	2.136603	0.034054	0.359297
	0.214748	2.135453	0.034149	0.359441
	-0.24479	-2.13224	0.034416	0.360229
	0.179211	2.13656	0.034058	0.359297
SETMAR	-0.31398	-2.13574	0.034126	0.359441
	0.202749	2.138928	0.033862	0.358578
	-0.23898	-2.13927	0.033834	0.358469
SERPINA1	-0.2983	-2.1396	0.033807	0.358411
TRIM21	0.280244	2.141159	0.033679	0.357989
	0.240714	2.135787	0.034122	0.359436
	0.131484	2.13622	0.034086	0.359386
RALGPS2;SOAT1;TOR3A;AXDND1	-0.35217	-2.1385	0.033897	0.358676
	-0.1986	-2.13613	0.034093	0.359408
NUMA1	0.230881	2.13603	0.034101	0.35941
NDST1;PDGFRB;MYOZ3;SYNPO;ANXA6;CSNK1A1	-0.2687	-2.13495	0.034191	0.359568
	-0.17939	-2.13912	0.033846	0.358499
	0.198932	2.138615	0.033888	0.358658
	-0.21601	-2.1337	0.034294	0.359838
PCED1B;PCED1B-AS1	0.40802	2.143464	0.033491	0.35743
MTSS1L	-0.2867	-2.13612	0.034094	0.359408
	0.180169	2.136439	0.034068	0.3593
	0.184502	2.141671	0.033637	0.357819
ADAMTSL5;MISP	-0.28238	-2.1416	0.033643	0.357822
FKBP4;TULP3	-0.26319	-2.14238	0.033579	0.357584
	-0.25598	-2.14019	0.033758	0.358258
ATP6V1D	-0.26539	-2.14244	0.033575	0.357581
	-0.19524	-2.13408	0.034263	0.359714
	0.141314	2.143977	0.033449	0.357357
	0.226473	2.141025	0.03369	0.358035
	-0.18974	-2.13183	0.034451	0.360269
	0.288333	2.14027	0.033752	0.358228
	-0.23722	-2.14041	0.03374	0.35816
FER1L6	0.227225	2.139401	0.033823	0.358411
ETV6	-0.23636	-2.13367	0.034297	0.359844
	0.264617	2.137263	0.033999	0.359135
	0.129863	2.141158	0.033679	0.357989
	-0.26201	-2.13703	0.034019	0.359216
	-0.17577	-2.13937	0.033826	0.358411
	0.17535	2.142165	0.033597	0.35767

	-0.16264	-2.13689	0.03403	0.359242
	-0.19771	-2.14054	0.03373	0.358126
SIX1;MNAT1;SIX4;PRKCH;PCNXL4;TMEM30B	0.318537	2.137866	0.03395	0.358963
TIPARP;KCNAB1;LEKR1;LINC00886	-0.3708	-2.13541	0.034153	0.35945
	-0.23449	-2.13174	0.034458	0.360269
ENSG00000242119;P2RY14	0.322236	2.135524	0.034143	0.359441
	-0.20578	-2.13785	0.033951	0.358967
TTC30B;OSBPL6;TTC30A;TTN	-0.34217	-2.13641	0.03407	0.3593
PDE6B;ENSG00000273179;ZNF876P;ENSG00000272927	-0.19542	-2.13761	0.033971	0.358999
	0.216722	2.136671	0.034048	0.359288
	0.222357	2.141968	0.033613	0.357725
	-0.14572	-2.13049	0.034563	0.36052
	0.138405	2.138198	0.033922	0.358845
ENSG00000254561;C2CD2L;PDZD3;USP2;USP2-AS1;KMT2A;IFT46;MCAM;PHLDB1;CBL;CCDC153	0.220611	2.13667	0.034048	0.359288
	0.148021	2.135119	0.034177	0.359495
	0.183551	2.13656	0.034058	0.359297
TYR;GRM5	-0.36569	-2.13173	0.034459	0.360269
SLC38A6;PCNXL4;LRRC9;ENSG00000258553;SIX4	-0.26481	-2.13279	0.034371	0.360026
	-0.31658	-2.13645	0.034067	0.3593
	0.298465	2.141084	0.033685	0.358035
	0.200205	2.133099	0.034345	0.359972
	0.157188	2.137048	0.034017	0.359205
	0.20102	2.136648	0.03405	0.359297
	-0.22514	-2.13284	0.034367	0.360015
	-0.16453	-2.14117	0.033678	0.357989
	0.18858	2.137004	0.034021	0.359225
	0.205822	2.133385	0.034321	0.359914
	-0.4073	-2.13923	0.033838	0.358484
MSI2;MRPS23;COIL;VEZF1;SCPEP1;DGKE;ENSG00000263004	-0.39994	-2.14093	0.033698	0.358046
	0.279928	2.141725	0.033633	0.357807
	0.368132	2.132813	0.034369	0.360015
	0.25334	2.139614	0.033806	0.358411
	-0.50413	-2.14124	0.033672	0.357977
	0.201134	2.137532	0.033977	0.359017
	-0.16678	-2.13713	0.034011	0.359199
BCL11B;EVL	0.250738	2.140018	0.033773	0.358278
ABHD12B;CDKL1;ATP5S;FRMD6;NIN;PYGL;ENSG00000259071; ENSG00000258946;C14orf182	-0.37137	-2.13674	0.034042	0.359288
	-0.18946	-2.13884	0.033869	0.358609
	-0.31075	-2.13939	0.033824	0.358411
	-0.18765	-2.14245	0.033574	0.357579
	0.201393	2.139467	0.033818	0.358411
	0.234715	2.134879	0.034197	0.359573
	0.263227	2.141967	0.033613	0.357725
EID2B;PLEKHG2	-0.21038	-2.13914	0.033845	0.358499

	0.214473	2.135568	0.03414	0.359441
	0.273203	2.14179	0.033628	0.357795
	-0.21543	-2.14095	0.033696	0.358046
	0.229874	2.138914	0.033863	0.358582
	-0.3255	-2.13822	0.03392	0.358845
	-0.16189	-2.13546	0.034149	0.359441
	0.23925	2.136111	0.034095	0.359408
	0.255723	2.130062	0.034598	0.360682
	-0.20622	-2.14002	0.033773	0.358278
	0.199529	2.142343	0.033582	0.357584
	-0.19087	-2.13541	0.034153	0.35945
	0.20965	2.133254	0.034332	0.359914
	0.13369	2.139051	0.033852	0.358534
	-0.23262	-2.13951	0.033815	0.358411
	-0.14815	-2.13986	0.033786	0.358346
	0.214494	2.135797	0.034121	0.359436
HES2;CAMTA1	0.207154	2.133505	0.034311	0.359908
	0.211971	2.140601	0.033725	0.358126
DZIP1L;NME9;FAIM	0.204193	2.138843	0.033869	0.358609
	0.221436	2.140079	0.033768	0.358263
	-0.1898	-2.13723	0.034002	0.359154
	0.338462	2.136053	0.0341	0.359408
	0.215817	2.13983	0.033788	0.358357
	-0.29198	-2.12883	0.034702	0.360932
	-0.26843	-2.1394	0.033823	0.358411
	0.142507	2.136738	0.034043	0.359288
	0.281639	2.134245	0.034249	0.35968
	-0.12301	-2.13483	0.034201	0.359573
	0.266857	2.139458	0.033819	0.358411
	-0.57769	-2.13651	0.034061	0.359298
	0.213996	2.140245	0.033754	0.358233
	0.569479	2.136602	0.034054	0.359297
	-0.16649	-2.13589	0.034113	0.359436
	-0.21133	-2.12897	0.03469	0.360911
	-0.20788	-2.13929	0.033833	0.358463
	0.212376	2.134484	0.03423	0.359665
	0.246334	2.141484	0.033653	0.357865
	0.175577	2.137585	0.033973	0.359003
	0.213874	2.13844	0.033902	0.35871
	0.265057	2.138156	0.033926	0.358845
	0.170479	2.138626	0.033887	0.358658
SH2D3C	0.341164	2.137166	0.034007	0.35919
	-0.21082	-2.13606	0.034099	0.359408
RNU12	-0.17934	-2.13527	0.034164	0.359495
	0.315616	2.1405	0.033733	0.358126
USP43	-0.27841	-2.1355	0.034146	0.359441
	-0.21188	-2.13777	0.033958	0.358967

	0.18689	2.135092	0.034179	0.359495
CBS;PDE9A;SLC37A1;CSTB	-0.41503	-2.13199	0.034437	0.360269
ITGAE;ASPA;P2RX5	-0.19363	-2.13546	0.034148	0.359441
	0.139548	2.138126	0.033928	0.358845
	0.17241	2.137869	0.03395	0.358963
	-0.24117	-2.13784	0.033952	0.358967
LTBP2;PGF;MLH3;ELMSAN1;CCDC176;ZC2HC1C;DNAL1;AREL1;I				
SCA2;FCF1;ENTPD5	0.194698	2.118617	0.035569	0.363593
	0.219853	2.130535	0.034559	0.36052
KIAA0922;TRIM2	0.240912	2.132083	0.034429	0.360269
FARP1	-0.24792	-2.13631	0.034078	0.35934
	0.158684	2.129004	0.034687	0.360911
	-0.25828	-2.13919	0.03384	0.358484
	0.320067	2.132978	0.034355	0.359991
	-0.25689	-2.13954	0.033812	0.358411
	0.290353	2.138155	0.033926	0.358845
HHAT;LINC00467	-0.33713	-2.13796	0.033942	0.358911
ENSG00000254111;ENSG00000254290	-0.33338	-2.13699	0.034022	0.359225
ARHGEF1;GRIK5;CD79A;CEACAM7;POU2F2;PRX;TGFB1;ENSG00				
000267107;ENSG00000269353;ENSG00000268833;SERTAD3;C				
YP2S1;LTBP4	-0.28838	-2.12899	0.034688	0.360911
	0.179053	2.127952	0.034776	0.361108
	-0.19612	-2.13913	0.033846	0.358499
	-0.17287	-2.13353	0.034309	0.359908
	0.19088	2.139918	0.033781	0.358333
	-0.34138	-2.13452	0.034226	0.359645
	0.150242	2.138975	0.033858	0.358577
FKBP10;IGFBP4;KRT23;LEPREL4;STAT5B;HAP1;KAT2A;NT5C3B	0.28575	2.137746	0.03396	0.358967
	0.217101	2.133293	0.034329	0.359914
KIAA1614;XPR1;MR1	-0.2692	-2.13104	0.034517	0.360368
ANKFN1;HLF;STXBP4	0.320851	2.13911	0.033847	0.3585
	-0.24663	-2.13813	0.033928	0.358845
ABI3BP	0.224196	2.13761	0.033971	0.358999
	-0.21264	-2.13468	0.034213	0.359609
RNASET2;ENSG00000228648;ENSG00000231720	-0.23974	-2.13782	0.033953	0.358967
HMHA1	-0.27727	-2.13873	0.033879	0.358658
CDC25B;ADAM33;HSPA12B;NOP56	-0.2611	-2.12879	0.034706	0.360941
	-0.25298	-2.13778	0.033957	0.358967
	0.421184	2.132526	0.034392	0.360132
	-0.14509	-2.13503	0.034184	0.35952
	-0.18322	-2.13808	0.033932	0.358848
	0.252672	2.135615	0.034136	0.359441
	-0.16847	-2.13582	0.034119	0.359436
	0.101046	2.139951	0.033778	0.358327
	0.22706	2.137744	0.03396	0.358967
ZCWPW1	-0.31617	-2.13272	0.034377	0.360051

STRA13;ENSG00000262410;ANAPC11	0.159061	2.13575	0.034125	0.359441
	0.129956	2.137452	0.033984	0.359048
DNAAF1;C16orf74;FAM92B;HSDL1;CRISPLD2;KIAA0513;KLHL36	-0.39052	-2.1351	0.034178	0.359495
	0.277072	2.132612	0.034385	0.360103
	0.275852	2.136668	0.034049	0.359288
	-0.1969	-2.13829	0.033915	0.358813
	0.135683	2.134543	0.034225	0.359643
	-0.22944	-2.13686	0.034033	0.359263
	0.117099	2.134877	0.034197	0.359573
	0.251148	2.136627	0.034052	0.359297
	0.26066	2.134744	0.034208	0.359593
	-0.14917	-2.13644	0.034068	0.3593
MRAS	-0.34487	-2.13729	0.033997	0.359129
NHLRC4;CCDC78;IFT140	-0.18505	-2.13419	0.034254	0.359682
	0.274878	2.135531	0.034143	0.359441
	-0.27193	-2.14051	0.033732	0.358126
ARL10	0.178083	2.13517	0.034173	0.359495
LINC00689;PTPRN2	0.18331	2.135294	0.034162	0.359495
	0.317238	2.138595	0.03389	0.358658
	0.271654	2.139439	0.03382	0.358411
	0.251661	2.135571	0.034139	0.359441
	0.283811	2.139638	0.033804	0.358411
	-0.13432	-2.13463	0.034218	0.359609
	0.177681	2.133245	0.034333	0.359914
	0.203085	2.136459	0.034066	0.3593
	0.254404	2.137664	0.033966	0.358988
	-0.32253	-2.13695	0.034026	0.35924
CXCR6;CCR5;XCR1;CCR2	0.313387	2.136336	0.034076	0.359329
TRIM16L	0.197841	2.131783	0.034454	0.360269
ENSG00000254153;MFHAS1;TNKS	-0.16884	-2.13584	0.034117	0.359436
	-0.2453	-2.13188	0.034446	0.360269
	0.248188	2.138936	0.033862	0.358578
	-0.28553	-2.13974	0.033796	0.35839
	0.325175	2.140792	0.033709	0.358076
AMOTL1;PIWIL4	-0.41349	-2.13054	0.034558	0.36052
	-0.13132	-2.13026	0.034582	0.360571
	0.245766	2.13991	0.033782	0.358333
RBM33	-0.31622	-2.13326	0.034332	0.359914
	-0.27307	-2.13483	0.034201	0.359573
	-0.20675	-2.13239	0.034404	0.360198
EBF3	0.287546	2.13741	0.033987	0.359076
TNS1;RQCD1;PNKD;CXCR2;TTLL4;TUBA4B;GLB1L;WNT10A;ZNF142	-0.21052	-2.13597	0.034106	0.359427
B4GALNT3;ERC1	-0.25556	-2.13124	0.0345	0.360317
	0.293517	2.136912	0.034028	0.359242
	0.215755	2.123967	0.035112	0.362223

NDUFS6	0.207981	2.138038	0.033936	0.358868
	0.2402	2.138123	0.033929	0.358845
	0.114482	2.13726	0.034	0.359135
	0.242958	2.136284	0.03408	0.359357
	0.126347	2.136719	0.034044	0.359288
	0.145995	2.136111	0.034095	0.359408
	0.251108	2.133802	0.034286	0.359809
	-0.15506	-2.13604	0.034101	0.35941
ENSG00000263050;SCARF1	-0.19091	-2.13599	0.034105	0.359427
GRB10;COBL;ENSG00000228204	-0.30153	-2.12921	0.03467	0.360911
	0.238672	2.134092	0.034262	0.359711
	-0.17295	-2.13955	0.033812	0.358411
	-0.14162	-2.13887	0.033867	0.358599
	0.223706	2.128169	0.034757	0.361088
TRERF1;C6orf132;POLR1C	-0.32236	-2.13435	0.034241	0.359665
	-0.18558	-2.133	0.034353	0.359991
	0.234474	2.132818	0.034368	0.360015
	-0.22775	-2.13447	0.034231	0.359665
ARHGEF28	-0.31731	-2.1381	0.033931	0.358848
	0.201821	2.135056	0.034182	0.359516
CCNJL	0.206177	2.129429	0.034651	0.360826
	0.147551	2.13708	0.034015	0.359204
	-0.17929	-2.13181	0.034452	0.360269
	-0.22083	-2.13756	0.033975	0.359009
	-0.20995	-2.1311	0.034512	0.360368
	-0.14846	-2.13495	0.034191	0.359568
	0.223958	2.135767	0.034123	0.359441
	0.204689	2.139707	0.033798	0.358407
PSMG3;GPR146	0.332938	2.125387	0.034992	0.36187
	0.211473	2.123548	0.035148	0.362404
	0.312986	2.135489	0.034146	0.359441
	0.255215	2.134282	0.034246	0.35968
	0.217103	2.133138	0.034342	0.359952
	0.190498	2.135396	0.034154	0.35945
PDGFB;SUN2;FAM83F;TOMM22;CBX7	-0.24238	-2.1351	0.034179	0.359495
TBC1D8;AFF3;ENSG00000272902	-0.3976	-2.13545	0.034149	0.359441
	0.242891	2.135037	0.034184	0.35952
ENSG00000264198;IKZF3;ERBB2	-0.28071	-2.13865	0.033885	0.358658
	-0.18546	-2.13329	0.034329	0.359914
	0.184973	2.13815	0.033926	0.358845
NUP210	0.180739	2.135125	0.034176	0.359495
	-0.20143	-2.13611	0.034094	0.359408
CATSPER2	0.157357	2.136691	0.034047	0.359288
	0.35718	2.134187	0.034254	0.359682
	-0.28088	-2.13185	0.034449	0.360269
	0.192033	2.13023	0.034584	0.360587
	-0.19709	-2.13102	0.034518	0.360368

SNORA23	0.374058	2.133737	0.034292	0.359827
	-0.19535	-2.1317	0.034461	0.360269
ROBO4;PKNOX2	-0.30868	-2.13587	0.034115	0.359436
MDM4;TMEM183A;ENSG00000227417;PIK3C2B	-0.26624	-2.1358	0.03412	0.359436
	-0.1817	-2.1378	0.033955	0.358967
	-0.13062	-2.13713	0.034011	0.359199
LINC00511	-0.19763	-2.13735	0.033993	0.359113
MTCH2	-0.1769	-2.1377	0.033964	0.358985
	0.260561	2.133768	0.034289	0.359817
CHCHD4	0.238917	2.133788	0.034287	0.359809
	0.118581	2.134844	0.0342	0.359573
	0.322735	2.138662	0.033884	0.358658
	0.197039	2.133454	0.034315	0.359914
	-0.17566	-2.13211	0.034427	0.360266
	0.258135	2.132448	0.034399	0.360166
ENSG00000236467	-0.19901	-2.134	0.034269	0.359737
	0.158077	2.131297	0.034495	0.360317
IRF4	0.36342	2.139169	0.033842	0.358484
	0.263434	2.136403	0.034071	0.3593
	-0.1829	-2.13545	0.03415	0.359441
	0.191056	2.136381	0.034072	0.3593
	0.137876	2.129692	0.034629	0.360759
TECPR1;BUD31;BAIAP2L1;RPS3AP26;ATP5J2;AZGP1;ARPC1A;CY				
P3A5;ZNF3;GAL3ST4	-0.3461	-2.1306	0.034554	0.36052
CASP7;AFAP1L2;DCLRE1A;TRUB1	-0.31435	-2.13172	0.03446	0.360269
	0.131139	2.133715	0.034293	0.359837
FREM1	0.229777	2.135158	0.034174	0.359495
ATP8B2;NPR1;INTS3;C1orf189	0.304674	2.13171	0.034461	0.360269
	0.230969	2.133251	0.034332	0.359914
	0.219964	2.137088	0.034014	0.359204
	0.184348	2.134535	0.034225	0.359643
PRR15	-0.37945	-2.1329	0.034362	0.360011
	0.260346	2.131911	0.034444	0.360269
	-0.30498	-2.13599	0.034105	0.359427
UBASH3A;TRPM2	0.284603	2.138601	0.033889	0.358658
	0.241274	2.135828	0.034118	0.359436
ENSG00000235531;MSC;ENSG00000253379;TRPA1	0.333711	2.133872	0.03428	0.359806
	-0.18951	-2.13446	0.034231	0.359665
	0.258639	2.131305	0.034494	0.360317
SCAPER;TSPAN3	-0.23081	-2.12631	0.034914	0.361576
HLA-F;ETF1P1	-0.40534	-2.13695	0.034026	0.35924
	0.243458	2.134354	0.03424	0.359665
	0.135123	2.13582	0.034119	0.359436
	0.223964	2.127517	0.034812	0.361237
	-0.24072	-2.13191	0.034444	0.360269
	0.197261	2.136766	0.034041	0.359288
ENSG00000261663	0.153028	2.134334	0.034242	0.359665

CERK;ENSG00000234869	-0.36724	-2.13796	0.033942	0.358911
MMP17	0.226414	2.131783	0.034454	0.360269
	0.250427	2.134617	0.034219	0.359609
	0.187063	2.134413	0.034236	0.359665
	-0.1824	-2.13159	0.03447	0.36028
	0.249112	2.133258	0.034332	0.359914
	0.185805	2.129599	0.034637	0.360769
RPS13	0.285321	2.134933	0.034192	0.35957
METTL2A	-0.21465	-2.13614	0.034092	0.359408
	0.148845	2.131796	0.034453	0.360269
	0.166399	2.13608	0.034097	0.359408
	0.175334	2.135597	0.034137	0.359441
	-0.28449	-2.13341	0.034319	0.359914
FAU;DRAP1	0.195401	2.124517	0.035066	0.362171
	-0.31066	-2.13284	0.034367	0.360015
	0.241963	2.137774	0.033957	0.358967
	0.148589	2.137288	0.033997	0.359129
	0.184814	2.136965	0.034024	0.35924
	-0.1923	-2.13288	0.034363	0.360011
	-0.2098	-2.13757	0.033975	0.359009
	0.262885	2.13606	0.034099	0.359408
MPHOSPH8;IFT88	-0.30219	-2.13403	0.034267	0.359737
	0.207273	2.135529	0.034143	0.359441
	-0.28926	-2.1365	0.034062	0.359298
C1S;C1R;CD163L1	-0.13937	-2.13597	0.034106	0.359427
	0.287595	2.135292	0.034163	0.359495
ENSG00000261183;SPINT1;NDUFAF1;SRP14;RHOV;CHP1	-0.20823	-2.13731	0.033996	0.359129
HLA-F;HLA-A;VARS2	-0.24123	-2.13438	0.034239	0.359665
	0.20994	2.136422	0.034069	0.3593
DALRD3;C3orf18;ENSG00000273356	0.122626	2.13295	0.034357	0.359991
	0.152276	2.136379	0.034073	0.3593
	0.318814	2.134431	0.034234	0.359665
	0.358006	2.137091	0.034014	0.359204
TTC39A;AGBL4;ZNF859P;ENSG00000237478;ENSG00000227839;ENSG00000261664	0.193724	2.133745	0.034291	0.359827
ITPRIPL2	-0.18284	-2.12772	0.034795	0.36115
	0.182417	2.13134	0.034491	0.360313
	0.146654	2.134317	0.034243	0.359665
HLA-F-AS1	0.292827	2.13672	0.034044	0.359288
	0.185823	2.136504	0.034062	0.359298
NOTUM;CCDC57;FN3KRP	0.26022	2.133073	0.034347	0.359974
FOXP1	-0.31157	-2.13015	0.034591	0.360624
	-0.13958	-2.13581	0.03412	0.359436
	-0.14076	-2.13412	0.03426	0.359711
	0.119852	2.134097	0.034262	0.359711
	-0.17285	-2.13369	0.034296	0.359844
CRIPAK	0.147732	2.134762	0.034207	0.359587

	-0.28402	-2.1341	0.034262	0.359711
	0.22373	2.134614	0.034219	0.359609
LRRC37A17P	0.149317	2.133533	0.034309	0.359908
SLC45A1;SPSB1;RBP7;KIF1B	-0.36372	-2.12985	0.034616	0.360745
	0.114433	2.130766	0.03454	0.360437
	-0.2533	-2.13368	0.034297	0.359844
	0.198519	2.133095	0.034345	0.359972
	0.213236	2.127576	0.034807	0.361203
	-0.22912	-2.13092	0.034526	0.360376
	-0.38084	-2.12781	0.034788	0.361134
	0.319698	2.134349	0.034241	0.359665
C6orf132;TRERF1;ENSG00000261068;GLTSCR1L	0.232233	2.131774	0.034455	0.360269
	0.221335	2.131403	0.034486	0.360313
	-0.38295	-2.13217	0.034422	0.360243
	-0.22867	-2.13433	0.034242	0.359665
	0.184357	2.136485	0.034064	0.3593
CHRD;MAP3K13;FAM131A;EHHADH;KLHL6;YEATS2;DVL3	-0.3637	-2.1304	0.03457	0.36052
SLC44A4;TNXB;PPP1R18;TRIM39;NELFE;HSPA1L;NRM;C4A	0.215719	2.129275	0.034664	0.360911
	-0.29953	-2.13179	0.034454	0.360269
	0.104685	2.134783	0.034205	0.359577
COX19;FTSJ2	0.206505	2.137355	0.033992	0.359113
	0.282399	2.137103	0.034013	0.359204
	0.253542	2.130982	0.034521	0.360371
	0.232792	2.134913	0.034194	0.359572
KHK;ATRAID;GTF3C2;EMILIN1	-0.42285	-2.13293	0.034359	0.359991
	0.327256	2.135449	0.03415	0.359441
	-0.35428	-2.13545	0.034149	0.359441
	-0.25222	-2.13268	0.03438	0.360059
FKBPL	0.189895	2.125267	0.035002	0.361926
	0.171712	2.131681	0.034463	0.360272
	0.159161	2.133471	0.034314	0.359914
CXCL14;H2AFY	0.225357	2.133637	0.0343	0.359861
	0.268132	2.13	0.034604	0.360696
	-0.30073	-2.13241	0.034402	0.360192
	-0.18168	-2.13195	0.03444	0.360269
	0.204099	2.131361	0.03449	0.360313
	0.326815	2.133355	0.034323	0.359914
	0.241015	2.134186	0.034254	0.359682
	-0.16354	-2.13592	0.034111	0.359436
TP73-AS1;MEGF6	-0.35865	-2.13401	0.034269	0.359737
	0.229152	2.137763	0.033958	0.358967
RBM23;TRAC;ENSG00000225766	0.170228	2.125934	0.034946	0.361666
HCP5;HLA-B;HLA-C;HLA-DRA	0.263034	2.134253	0.034249	0.35968
	0.215961	2.133277	0.03433	0.359914
	0.329247	2.135832	0.034118	0.359436
	0.251616	2.137133	0.03401	0.359199

	0.497921	2.128126	0.034761	0.361098
	0.19216	2.135246	0.034166	0.359495
SCNN1A;IFFO1;CLSTN3;VWF;ANO2;NTF3;C1R;RBP5;C1S;CD27;C1RL-AS1;CD9	-0.32838	-2.13558	0.034139	0.359441
	0.204879	2.131929	0.034442	0.360269
SNORA23	0.190711	2.130687	0.034546	0.360487
ZHX2;FER1L6;FAM83A;TBC1D31;FER1L6-AS1;FAM83A-AS1	-0.20643	-2.13051	0.034561	0.36052
WNT9A	0.301921	2.135334	0.034159	0.359495
	0.291821	2.133066	0.034347	0.359974
WDR45B;PCYT2;NOTUM;TBCD	-0.35459	-2.13392	0.034277	0.359785
	-0.30253	-2.13563	0.034135	0.359441
	0.325311	2.13282	0.034368	0.360015
ATG7;MTMR14	0.23738	2.130469	0.034564	0.36052
	0.190755	2.126134	0.034929	0.361611
ANKRD29	-0.27208	-2.13273	0.034376	0.360051
	-0.19314	-2.13216	0.034423	0.360243
	0.640711	2.131976	0.034438	0.360269
	0.184523	2.131751	0.034457	0.360269
SH3BP2;ENSG00000206113	0.38123	2.135405	0.034153	0.35945
ADAMTSL5	0.254909	2.131976	0.034438	0.360269
	-0.24487	-2.13383	0.034284	0.359809
	-0.18462	-2.12849	0.03473	0.361023
	0.167684	2.130551	0.034557	0.36052
ENSG00000261008;ENSG00000259901	0.413063	2.126094	0.034932	0.361631
	-0.18149	-2.12721	0.034838	0.361368
	-0.31896	-2.12801	0.034771	0.361098
	-0.27547	-2.12991	0.034611	0.360726
	-0.23994	-2.13483	0.034201	0.359573
	0.242301	2.133507	0.034311	0.359908
	0.293711	2.135523	0.034143	0.359441
	-0.14163	-2.12906	0.034682	0.360911
	0.192141	2.131392	0.034487	0.360313
	0.232023	2.136579	0.034056	0.359297
ENSG00000225670;CADM3;DARC;ATP1A2;PYHIN1;AIM2;SLAMF1;ENSG00000213080;PEA15;LY9;CD84;IGSF9	-0.16111	-2.13037	0.034572	0.36052
GPR176;SPINT1;ENSG00000261183;C15orf52;DLL4;RMDN3;LTK;RHOV;FSIP1	-0.30207	-2.12847	0.034732	0.361034
	-0.37651	-2.13153	0.034475	0.36028
	-0.29572	-2.13851	0.033897	0.358676
	-0.18969	-2.13591	0.034112	0.359436
	0.220117	2.132955	0.034357	0.359991
	-0.32226	-2.13328	0.03433	0.359914
	0.134455	2.128342	0.034743	0.36106
	-0.25613	-2.13216	0.034423	0.360243
ENSG00000176593	-0.17961	-2.13028	0.03458	0.360568
	-0.23086	-2.13423	0.034251	0.35968

	0.174402	2.131703	0.034461	0.360269
	-0.27696	-2.13295	0.034357	0.359991
	-0.35738	-2.13465	0.034216	0.359609
	-0.23512	-2.13297	0.034355	0.359991
	-0.2044	-2.13306	0.034348	0.359974
PSMA5;LAMTOR5;SYPL2;GSTM5	-0.26066	-2.12315	0.035182	0.362511
	0.236751	2.130063	0.034598	0.360682
	0.106789	2.131216	0.034502	0.360317
FCHSD2;ARAP1	-0.23266	-2.13465	0.034215	0.359609
CDON	0.333266	2.131705	0.034461	0.360269
	-0.33548	-2.13042	0.034569	0.36052
	0.265181	2.133491	0.034312	0.359909
ZEB2;ARHGAP15;GTDC1	-0.3122	-2.12726	0.034834	0.361368
	-0.17342	-2.1351	0.034178	0.359495
HLA-DRB5	-0.62048	-2.1335	0.034311	0.359908
SRC	-0.23619	-2.13519	0.034171	0.359495
IKZF4;RPL41;CD63	0.173155	2.13002	0.034602	0.360696
ARL10;DRD1	0.228501	2.1287	0.034713	0.360949
CMTM8	0.362689	2.135166	0.034173	0.359495
	-0.20332	-2.12978	0.034622	0.360747
	0.165696	2.134549	0.034224	0.359643
	-0.13814	-2.11727	0.035685	0.363878
	0.137836	2.132635	0.034383	0.360091
	-0.17583	-2.13594	0.034109	0.359436
	-0.26423	-2.12502	0.035023	0.36194
CAMTA1;SLC45A1;PER3;RERE	-0.19808	-2.13081	0.034536	0.36042
LHFP;MRPS31	0.365663	2.13518	0.034172	0.359495
CCDC138	0.186825	2.125532	0.03498	0.361833
	0.213878	2.13469	0.034212	0.359609
	0.259493	2.131176	0.034505	0.360334
NLRC5	0.171909	2.133016	0.034352	0.359991
	0.233086	2.135759	0.034124	0.359441
	-0.20094	-2.134	0.03427	0.359737
	0.235882	2.130545	0.034558	0.36052
DAXX	0.152163	2.135235	0.034167	0.359495
FHAD1;CROCC;DNAJC16;RSG1;FBLIM1;ENSG00000228140;DDI2;ENSG00000227959	-0.22494	-2.13045	0.034566	0.36052
	0.244728	2.136259	0.034082	0.359361
	-0.37934	-2.13272	0.034376	0.360051
	0.182655	2.136776	0.03404	0.359288
MSH5;LST1;PRR3	0.20395	2.131021	0.034518	0.360368
	-0.24685	-2.13591	0.034111	0.359436
MYRF;BEST1;RAB3IL1	-0.19752	-2.1282	0.034755	0.361087
	-0.16321	-2.1308	0.034536	0.36042
ENSG00000175873;CYP2W1	-0.48676	-2.1357	0.034129	0.359441
	0.235686	2.133395	0.03432	0.359914
	0.230329	2.134795	0.034204	0.359577

	0.261047	2.12825	0.034751	0.361087
IFFO1;LEPREL2;PLEKHG6;VWF;SCNN1A;CD9;CLSTN3	-0.23769	-2.13478	0.034205	0.359577
IRX2	-0.35426	-2.13381	0.034286	0.359809
	-0.29406	-2.13109	0.034512	0.360368
	0.210497	2.133197	0.034337	0.359943
SLC4A8;GALNT6;ACVRL1;KRT7;SLC11A2	-0.32177	-2.13546	0.034148	0.359441
KCNAB2	-0.20523	-2.13433	0.034243	0.359665
	-0.2298	-2.13048	0.034563	0.36052
	-0.19136	-2.13102	0.034518	0.360368
	0.205914	2.129765	0.034623	0.360747
	0.177589	2.133502	0.034311	0.359908
	-0.17987	-2.13119	0.034504	0.360326
	-0.28473	-2.13669	0.034047	0.359288
	-0.17461	-2.13235	0.034407	0.360211
MBOAT1	0.325164	2.132952	0.034357	0.359991
	-0.25406	-2.12917	0.034673	0.360911
	-0.26677	-2.12492	0.035032	0.361969
	0.255885	2.132584	0.034388	0.360118
	-0.13437	-2.13153	0.034476	0.36028
	0.339217	2.129039	0.034684	0.360911
	-0.15745	-2.12133	0.035337	0.362881
	-0.21544	-2.13385	0.034283	0.359809
ZDHHC13	-0.21563	-2.13042	0.034569	0.36052
	-0.1434	-2.13269	0.034379	0.360059
	-0.28476	-2.13479	0.034204	0.359577
	0.21223	2.133958	0.034273	0.359766
GLT8D2	-0.26406	-2.13404	0.034266	0.359735
	0.168282	2.133801	0.034286	0.359809
	-0.24178	-2.13213	0.034425	0.360255
ARHGAP30;FCRL6;PEX19;ENSG00000213080;CD244;SLAMF1;S				
LAMF6	-0.26795	-2.13252	0.034393	0.360132
	-0.30872	-2.13393	0.034276	0.359785
	-0.32263	-2.12959	0.034638	0.360769
	0.220035	2.129732	0.034626	0.360759
	0.183235	2.132988	0.034354	0.359991
	-0.26629	-2.13324	0.034333	0.359914
GREM2;CHRM3	0.238893	2.132361	0.034406	0.360211
	0.316489	2.134445	0.034233	0.359665
ENSG00000224187;ENSG00000236864	0.248998	2.131284	0.034496	0.360317
	-0.12412	-2.12524	0.035005	0.361928
	0.200959	2.128287	0.034747	0.361082
FUT2;HRC	-0.24831	-2.13122	0.034502	0.360317
OAS1;OAS3	0.222674	2.128287	0.034747	0.361082
	0.275415	2.132171	0.034422	0.360243
ENSG00000240036	0.110841	2.13113	0.034509	0.360365
	-0.2535	-2.13566	0.034132	0.359441

BAIAP2;WDR45B;PCYT2;SLC25A10;NOTUM;LRRC45;RAB40B	-0.20004	-2.12886	0.034699	0.360928
	-0.16622	-2.12918	0.034673	0.360911
	0.164788	2.13235	0.034407	0.360211
ADARB2	0.27969	2.129851	0.034616	0.360745
	0.256588	2.12867	0.034715	0.360953
	0.226566	2.129947	0.034608	0.36071
USP45	0.25519	2.132009	0.034436	0.360269
SLC2A4;ATP1B2;BCL6B;MIR497HG;ENSG00000263316;ZBTB4;C				
LDN7	-0.18928	-2.12891	0.034695	0.360922
NMNAT2	-0.30161	-2.13459	0.034221	0.359619
	0.153931	2.127679	0.034799	0.361164
	-0.14392	-2.1338	0.034286	0.359809
RBMS3;GADL1;RBMS3-AS2;ENSG00000203652	0.287805	2.135129	0.034176	0.359495
RPA3;MIOS;CYTH3	-0.31996	-2.13192	0.034443	0.360269
CHMP5;ANXA2P2;DCAF12;DNAJA1;NFX1;APTX;TMEM215	-0.22693	-2.12326	0.035172	0.362471
	0.176423	2.133793	0.034287	0.359809
	0.283408	2.130896	0.034529	0.360376
	0.229762	2.134869	0.034198	0.359573
	-0.28673	-2.13193	0.034442	0.360269
	0.096754	2.132318	0.03441	0.360219
	0.292777	2.127732	0.034794	0.36115
	0.235187	2.130452	0.034566	0.36052
CCDC74B;CCDC74A	0.135527	2.131269	0.034497	0.360317
	-0.3442	-2.13416	0.034257	0.359699
B4GALT2	-0.13969	-2.13423	0.034251	0.35968
	-0.23683	-2.12701	0.034855	0.36142
ASIC1;FMNL3;SPATS2	-0.22281	-2.13463	0.034217	0.359609
	0.229575	2.131864	0.034448	0.360269
	-0.25805	-2.12811	0.034762	0.361098
PDLIM3	0.319069	2.13278	0.034371	0.360026
SDC4;TOMM34;SYS1;WFDC3;EPPIN;PIGT;HSPD1P21;WISP2;WF				
DC6;ZNF663P;DNTTIP1	-0.26203	-2.12538	0.034993	0.36187
	0.172104	2.123077	0.035188	0.362519
PTCH1;ZNF169;HIATL1	-0.2899	-2.13087	0.034531	0.360381
	-0.32131	-2.13227	0.034414	0.360219
	-0.16002	-2.13123	0.034501	0.360317
RASGRP3	-0.25065	-2.13317	0.034339	0.359943
	0.283566	2.133399	0.03432	0.359914
	-0.30888	-2.13518	0.034172	0.359495
RBM28;HILPDA;AHCYL2;LRRC4;SMO	0.192459	2.134279	0.034247	0.35968
	0.301548	2.134849	0.034199	0.359573
TXNDC8;TXN	-0.30328	-2.13132	0.034493	0.360317
	-0.22146	-2.12619	0.034924	0.36161
	0.20032	2.129142	0.034676	0.360911

AOC3;CNTNAP1;MPP2;TUBG2;ATP6V0A1;PTRF;RAMP2-AS1;MEOX1;RAMP2;ACLY;RUNDC1;BECN1;EZH1;PLEKHH3;VPS25;PSME3;MPP3;COA3;VAT1;COASY;STAT5B;MLX;BRCA1;STAT3;HMGN2P15	0.223449	2.131518	0.034477	0.36028
	0.112596	2.127775	0.034791	0.361134
SRFBP1	0.298936	2.133243	0.034333	0.359914
	0.196871	2.132843	0.034366	0.360015
TMPRSS4;KMT2A;TMEM25;BACE1;PHLDB1;AMICA1;SCN2B;MPZL3	-0.23512	-2.12909	0.03468	0.360911
	-0.27939	-2.12985	0.034616	0.360745
	-0.24981	-2.13136	0.03449	0.360313
WIPF1	0.262217	2.13177	0.034456	0.360269
IGDCC4;PIF1	-0.30774	-2.12616	0.034927	0.361611
	-0.15039	-2.12638	0.034908	0.361545
SOX18	0.234425	2.12805	0.034767	0.361098
	-0.13745	-2.13196	0.034439	0.360269
	0.10269	2.130696	0.034545	0.360487
	0.253272	2.127667	0.0348	0.361164
	0.099987	2.122242	0.035259	0.362724
	-0.20379	-2.12772	0.034795	0.36115
PTGDS;C9orf163;GPSM1;EGFL7;LCNL1;TUBB4B	-0.21394	-2.13135	0.03449	0.360313
	0.176357	2.124078	0.035103	0.362223
	0.157153	2.124244	0.035089	0.362223
	0.116929	2.128743	0.034709	0.360941
	0.267496	2.129993	0.034604	0.360696
	0.193269	2.12696	0.034859	0.361426
	0.261791	2.131048	0.034516	0.360368
	-0.20598	-2.12837	0.03474	0.361053
	-0.26717	-2.12944	0.03465	0.360826
	0.241967	2.133357	0.034323	0.359914
	-0.27963	-2.13208	0.034429	0.360269
	-0.18675	-2.12804	0.034768	0.361098
KIAA1755	0.149702	2.133559	0.034306	0.359908
	0.235042	2.12621	0.034923	0.361609
CHD2	0.205743	2.131082	0.034513	0.360368
	-0.20819	-2.1342	0.034253	0.359682
	-0.34506	-2.12805	0.034768	0.361098
TRIM59	0.183817	2.129716	0.034627	0.360759
CCR1	-0.22348	-2.13338	0.034321	0.359914
	0.51651	2.13317	0.034339	0.359943
	-0.18075	-2.12518	0.03501	0.361928
	0.265919	2.133269	0.034331	0.359914
	0.23778	2.132272	0.034414	0.360219
	0.338846	2.131413	0.034485	0.360313
STARD13-AS	0.20243	2.132567	0.034389	0.360123
	0.166412	2.132316	0.03441	0.360219
	-0.25627	-2.13095	0.034524	0.360376

DHX37;ZNF664;DNAH10	-0.22211	-2.12779	0.034789	0.361134
	0.132814	2.128502	0.034729	0.361023
	-0.25431	-2.12926	0.034665	0.360911
	-0.16068	-2.124	0.035109	0.362223
	0.374241	2.133564	0.034306	0.359908
	0.206048	2.131387	0.034488	0.360313
CEP104;SKI;MORN1;ENSG00000269896;MEGF6;LINC01134;TP				
73-AS1;DFFB;FAM213B;TP73;TTC34;TPRG1L	-0.27714	-2.13003	0.034601	0.360696
	-0.19825	-2.12818	0.034757	0.361088
	-0.24888	-2.11458	0.035917	0.364503
	0.195447	2.130367	0.034573	0.36052
	-0.2785	-2.12925	0.034667	0.360911
	0.281253	2.128571	0.034724	0.361
	0.09144	2.120869	0.035376	0.363004
HMHA1;ARID3A;MOB3A	-0.31294	-2.12905	0.034684	0.360911
	-0.25874	-2.12573	0.034963	0.361751
	0.192568	2.125672	0.034968	0.361767
	-0.19799	-2.13218	0.034421	0.360243
	0.127981	2.131609	0.034469	0.36028
SCARB1;BRI3BP	-0.22342	-2.13158	0.034471	0.36028
RAE1	-0.22878	-2.1316	0.03447	0.36028
NKG7;SIGLEC9;CD33	0.330148	2.131904	0.034444	0.360269
	-0.17913	-2.12921	0.03467	0.360911
KLHDC8A;RAB7L1;PLEKHA6;NUAK2	-0.21529	-2.11942	0.0355	0.363401
PEAR1;FCRL5;HDGF;FCRL3	-0.44645	-2.12944	0.03465	0.360826
SDC4;PIGT;SLC13A3;TOMM34;SYS1	-0.23053	-2.12843	0.034735	0.361034
	0.134684	2.126482	0.0349	0.361528
TRAC	0.234296	2.129223	0.034669	0.360911
	-0.26036	-2.1205	0.035407	0.363046
	0.225526	2.120442	0.035413	0.363058
	0.132954	2.129974	0.034606	0.360697
	0.21151	2.133417	0.034318	0.359914
PTP4A3;GPIHBP1	0.31541	2.130184	0.034588	0.360616
	-0.15554	-2.12881	0.034704	0.360934
	0.2242	2.130995	0.03452	0.360369
ENOPH1	0.266387	2.127986	0.034773	0.361099
	-0.25766	-2.13389	0.034279	0.359797
CARS;CDKN1C;CD81;MRPL23	-0.30927	-2.12603	0.034938	0.361648
TAP1;HSD17B8;TAP2;HLA-DMA	-0.16442	-2.13248	0.034396	0.360143
MARS	0.173688	2.130926	0.034526	0.360376
	-0.2985	-2.12916	0.034674	0.360911
C6orf25	0.218861	2.127208	0.034838	0.361368
ENSG00000261386	0.117888	2.131396	0.034487	0.360313
	-0.3382	-2.13432	0.034243	0.359665
	0.193591	2.130897	0.034529	0.360376
	0.195255	2.129055	0.034683	0.360911
RNF213;BAIAP2;PCYT2	-0.23245	-2.13471	0.034211	0.359609

	0.349417	2.131689	0.034462	0.360272
FBLN2;FGD5	-0.18435	-2.13174	0.034458	0.360269
	-0.33717	-2.12943	0.034651	0.360826
	0.237143	2.130661	0.034548	0.360493
UBL5	0.205198	2.128169	0.034757	0.361088
PTGR1	-0.26854	-2.12196	0.035283	0.362724
	0.160547	2.132942	0.034358	0.359991
	0.259094	2.127933	0.034777	0.361108
	0.156398	2.129474	0.034648	0.360826
	-0.28478	-2.12887	0.034699	0.360928
ENSG00000226328;SCUBE1;PARVB;NUP50;PHF21B	-0.18745	-2.12324	0.035174	0.362471
	-0.20266	-2.13254	0.034391	0.360127
	-0.3456	-2.12962	0.034636	0.360769
	0.213162	2.125961	0.034944	0.361666
	-0.21961	-2.12547	0.034985	0.36186
	0.208568	2.126579	0.034891	0.361506
	0.165819	2.129837	0.034617	0.360746
	-0.16271	-2.12303	0.035192	0.362519
ADARB1;COL18A1;COL6A1;COL18A1-AS1;COL18A1-AS2;COL6A2;ENSG00000267857;LRRC3DN;LRRC3;ENSG00000268805	0.445743	2.132161	0.034423	0.360243
	0.242331	2.128665	0.034716	0.360953
	0.182714	2.130918	0.034527	0.360376
	-0.18983	-2.12998	0.034605	0.360696
	-0.14795	-2.13155	0.034474	0.36028
TENC1;GRASP;ACVRL1;POU6F1;GALNT6;SLC4A8;KRT18;KRT80;DAZAP2;KRT7	0.216066	2.121234	0.035345	0.362918
C17orf62;ENSG00000268852	0.264207	2.126536	0.034895	0.361506
	-0.21064	-2.12231	0.035253	0.362708
SIPA1;MAP4K2;SLC25A45;CTSW;MAP3K11;EHBP1L1;EFEMP2;EHD1;CST6;CCS	-0.2799	-2.12895	0.034691	0.360911
	0.160251	2.123364	0.035164	0.362437
	-0.18598	-2.1305	0.034562	0.36052
	-0.18176	-2.12942	0.034652	0.360826
ENSG00000250698	-0.14485	-2.12262	0.035227	0.362605
	0.199042	2.133286	0.034329	0.359914
	-0.19331	-2.129	0.034688	0.360911
ALX4;TSPAN18	0.312624	2.134146	0.034258	0.3597
SLBP	0.153948	2.130635	0.03455	0.360507
C14orf119	-0.15115	-2.12821	0.034754	0.361087
STAT5B;FKBP10;VPS25;KRT19;CNTNAP1;KRT13;ATP6V0A1;COASY;RAMP2;KRT42P;KRT23;KRT10;ENSG00000236194;STAT5A;TUBG1;JUP	-0.26855	-2.12942	0.034652	0.360826
	-0.15956	-2.13018	0.034589	0.360616
	-0.41445	-2.13271	0.034377	0.360051
	-0.22919	-2.12909	0.03468	0.360911
	0.240085	2.121077	0.035358	0.362966

	0.207024	2.131119	0.03451	0.360366
ENSG00000271553;CALU	-0.15031	-2.12718	0.034841	0.361368
	0.178525	2.129665	0.034632	0.360769
	0.212771	2.126364	0.03491	0.361553
	0.219963	2.130919	0.034527	0.360376
	-0.29527	-2.12863	0.034719	0.360957
SMG5	-0.16832	-2.12854	0.034726	0.361013
	-0.30502	-2.13087	0.03453	0.360381
HCP5;HLA-B;HLA-DRA;LTB;GPSM3;MICB;HLA-C;PPP1R10;PPP1R18	0.402598	2.131218	0.034502	0.360317
MCU;MRPS16;SYNPO2L;VCL	-0.39239	-2.1238	0.035126	0.362309
RAF1	-0.13075	-2.12779	0.034789	0.361134
	-0.1774	-2.1296	0.034637	0.360769
GVINP1;TRIM22;TRIM5;TPP1	0.302994	2.132883	0.034363	0.360011
	0.119664	2.123452	0.035156	0.362413
	0.308867	2.125979	0.034942	0.361661
C16orf62	0.25227	2.128819	0.034703	0.360933
	-0.20981	-2.12977	0.034623	0.360747
	-0.21299	-2.12536	0.034994	0.36187
	0.117683	2.130494	0.034562	0.36052
	0.195885	2.128886	0.034697	0.360928
	-0.25994	-2.12899	0.034688	0.360911
COL1A1;NXPH3;MRPL27;ENSG00000248954;UTP18;EPN3	-0.30255	-2.12654	0.034894	0.361506
	0.305212	2.128945	0.034692	0.360911
GPSM1;EGFL7;TUBB4B;UAP1L1;PTGDS;LCNL1;C9orf163;NOTCH1;RNF224;TUBBP5;INPP5E;SLC34A3;C9orf142;SEC16A;DNLZ;C9orf169;TRAF2;SNHG7;MAN1B1;ENSG00000227512	-0.21672	-2.12403	0.035107	0.362223
	-0.15072	-2.11881	0.035553	0.363557
LRP1	0.151467	2.131544	0.034474	0.36028
PTK2B;NUGGC;FZD3	0.301618	2.127269	0.034833	0.361368
GPSM3;C4A;HLA-DQA2	-0.19739	-2.13206	0.034432	0.360269
	-0.38236	-2.12556	0.034977	0.36182
	-0.26836	-2.13048	0.034563	0.36052
	0.271732	2.127392	0.034823	0.361311
	-0.20586	-2.12703	0.034853	0.361409
	0.356819	2.129783	0.034622	0.360747
ARHGEF28;ZNF366;ANKRA2	0.296857	2.1316	0.03447	0.36028
AFAP1;ABLIM2;HTRA3;SORCS2;SH3TC1;PSAPL1	-0.24904	-2.123	0.035195	0.362519
	0.300757	2.13015	0.034591	0.360624
	-0.12934	-2.12895	0.034691	0.360911
MYH14;KLK11;ZNF473;CLEC11A;ENSG00000204666	-0.21703	-2.12551	0.034982	0.361844
	0.153648	2.131035	0.034517	0.360368
	0.298653	2.131609	0.034469	0.36028
	0.172956	2.132234	0.034417	0.360229
CBX2;C1QTNF1;EIF4A3;SGSH	-0.1663	-2.12875	0.034709	0.360941
C22orf34;MAPK12	-0.2618	-2.13159	0.03447	0.36028

	0.213549	2.128673	0.034715	0.360953
LTBP3;HRASLS2;PPP2R5B;VEGFB;C11orf95;NRXN2;PYGM;MRPL49;PRDX5;STIP1;TM7SF2	0.261619	2.13207	0.034431	0.360269
	0.1829	2.124167	0.035096	0.362223
MSLNL;MSLN;TPSB2	-0.19422	-2.12804	0.034768	0.361098
	0.179976	2.128106	0.034763	0.361098
ITGB2;TRPM2;CSTB	-0.28479	-2.12962	0.034635	0.360769
	0.299752	2.126895	0.034865	0.361439
	-0.51639	-2.13062	0.034552	0.360513
	-0.25375	-2.12876	0.034707	0.360941
	0.227929	2.13201	0.034436	0.360269
	-0.37091	-2.1299	0.034612	0.360726
	-0.30353	-2.1292	0.034671	0.360911
	0.125554	2.126173	0.034926	0.361611
	-0.26143	-2.13149	0.034479	0.36028
	-0.22047	-2.12781	0.034788	0.361134
PPP1R18;DDR1;HLA-F	0.220534	2.12766	0.0348	0.361164
TSPYL4	-0.24985	-2.13138	0.034488	0.360313
	-0.26625	-2.12339	0.035162	0.36243
	0.192658	2.129407	0.034653	0.360832
	-0.17855	-2.12896	0.03469	0.360911
	0.199361	2.1273	0.034831	0.361365
ENSG00000260015;CHST4	0.310686	2.128504	0.034729	0.361023
SLC44A4;CLIC1;HSPA1A	-0.21919	-2.12268	0.035222	0.362598
SETD3	0.158475	2.129242	0.034667	0.360911
	0.108712	2.12489	0.035034	0.361984
UNC93B1;GSTP1;ALDH3B1;ALDH3B2;FAM86C2P;PITPNM1;CDK2AP2	-0.2584	-2.12408	0.035103	0.362223
PDCD6	0.260911	2.128967	0.03469	0.360911
	0.214255	2.130671	0.034547	0.360493
	0.232258	2.123245	0.035174	0.362471
ENSG00000230383	0.227951	2.128761	0.034708	0.360941
LRRC59;HOXB-AS2;HOXB4;KAT7;HOXB-AS3;NXPH3;MRPL27;HOXB6;SGCA;CALCOCO2;MIR10A	-0.1921	-2.12715	0.034843	0.361368
PIK3R6;ACAP1	0.314131	2.129796	0.034621	0.360747
TSPAN18	-0.2545	-2.13149	0.034479	0.36028
ARHGEF15;MPDU1	0.227843	2.128651	0.034717	0.360954
	-0.28364	-2.13177	0.034456	0.360269
	0.222976	2.127305	0.03483	0.361365
	0.403089	2.124984	0.035026	0.361955
	0.222706	2.132272	0.034414	0.360219
	0.326855	2.126947	0.03486	0.361428
	0.214477	2.129527	0.034643	0.360797
IQCE;TTYH3;MAD1L1	-0.22125	-2.12341	0.03516	0.362427
	-0.25581	-2.12887	0.034698	0.360928
	-0.11529	-2.12595	0.034944	0.361666
	0.263848	2.132043	0.034433	0.360269

NKD2	0.250118	2.128843	0.034701	0.360932
	0.179251	2.130387	0.034571	0.36052
	-0.20476	-2.12724	0.034835	0.361368
	0.13311	2.126751	0.034877	0.361478
	0.130175	2.12075	0.035386	0.363007
	0.193418	2.128428	0.034736	0.361034
	0.199086	2.12643	0.034904	0.361543
KIAA0125;IGHV3-21;IGHV1-2;IGHA1;IGHG3;IGHV4-34;IGHV3-11;IGHA2;IGHV3-15;IGHV3-23;IGHG2	0.270587	2.127046	0.034852	0.361408
	-0.61233	-2.12897	0.03469	0.360911
TMEM14B;SYCP2L	0.256041	2.1297	0.034629	0.360759
	0.256643	2.124971	0.035027	0.361957
SKAP1;TBX21	0.343109	2.131217	0.034502	0.360317
LST1;PPP1R18;HLA-E;AIF1;HLA-B;LTB;HLA-C	-0.17063	-2.13	0.034604	0.360696
PARD6B	-0.26392	-2.12651	0.034897	0.361509
	0.208447	2.119046	0.035532	0.363464
	0.271421	2.132558	0.03439	0.360123
RASAL3	-0.30836	-2.12785	0.034785	0.361134
	0.103734	2.130389	0.034571	0.36052
	0.218348	2.132266	0.034414	0.360219
	0.13886	2.120613	0.035398	0.363037
	0.250004	2.126256	0.034919	0.361602
	-0.38804	-2.13158	0.034472	0.36028
DDX54;RASAL1	-0.25415	-2.12789	0.034781	0.36112
	0.18951	2.120922	0.035372	0.363004
SCARB1	-0.26561	-2.1298	0.03462	0.360747
	-0.14255	-2.12299	0.035196	0.362519
	0.232301	2.116822	0.035723	0.363986
SCEL	0.256113	2.128733	0.03471	0.360941
PTPN3;EPB41L4B;FAM206A;C9orf152	-0.2822	-2.1197	0.035476	0.363368
	-0.21802	-2.12281	0.03521	0.362574
PIK3CD	0.400613	2.131506	0.034478	0.36028
SHANK2-AS1	-0.14591	-2.12884	0.034701	0.360932
	0.249394	2.127074	0.03485	0.361396
PTPN12	0.304019	2.131593	0.03447	0.36028
	0.146818	2.129546	0.034642	0.36079
SPSB1;SLC45A1;RBP7;PIK3CD;KIF1B	-0.24628	-2.12301	0.035194	0.362519
	-0.2099	-2.12842	0.034736	0.361034
EEF1A1P11	0.260343	2.125104	0.035016	0.361928
	-0.25056	-2.12329	0.03517	0.362471
	-0.15428	-2.12277	0.035214	0.362584
	-0.29428	-2.12485	0.035038	0.362003
KRT23	0.244991	2.130902	0.034528	0.360376
	0.234545	2.126408	0.034906	0.361543
	-0.25761	-2.1282	0.034755	0.361087
	0.178274	2.124146	0.035097	0.362223
	0.127815	2.125767	0.03496	0.361724

PRR26	0.195893	2.129273	0.034665	0.360911
	0.216586	2.124863	0.035036	0.361999
DNM1P46	-0.31543	-2.12873	0.03471	0.360941
	-0.1901	-2.12739	0.034823	0.361311
	0.211148	2.126127	0.03493	0.361611
	-0.17089	-2.12431	0.035083	0.362223
	0.248462	2.131289	0.034496	0.360317
	-0.19806	-2.12161	0.035313	0.362789
	0.301612	2.123009	0.035194	0.362519
	0.164461	2.127586	0.034806	0.361202
MIR34C;ENSG00000255428;COLCA1	0.286999	2.128719	0.034711	0.360941
FOXF2	-0.18342	-2.12844	0.034734	0.361034
BNIPL;FAM63A;ADAMTSL4;THEM4;S100A11;ENSA	-0.17969	-2.12504	0.035022	0.361934
	0.151631	2.131005	0.034519	0.360368
	0.111285	2.123562	0.035147	0.362404
ERCC1;GIPR;PPP5C	0.282227	2.128119	0.034762	0.361098
	-0.15416	-2.12659	0.03489	0.361506
	0.212316	2.128085	0.034764	0.361098
	-0.21006	-2.12712	0.034846	0.361373
TJP3;GIPC3;TBXA2R;GNG7;DAPK3;GNA15	0.259233	2.127237	0.034836	0.361368
DDO	-0.28257	-2.12069	0.035391	0.363033
	0.212179	2.12682	0.034871	0.36146
	-0.14716	-2.12528	0.035001	0.361919
ZNF683	-0.23664	-2.12433	0.035082	0.362223
CDC42BPA;WNT9A;RHOU	-0.3073	-2.12893	0.034693	0.360911
ABCB10;RHOU;RAB4A;HIST3H2A	-0.2741	-2.12504	0.035022	0.361934
	-0.2835	-2.12446	0.035071	0.362185
	0.202721	2.124798	0.035042	0.362021
GSDMC	-0.31901	-2.1323	0.034412	0.360219
CACNA1C;TSPAN9-IT1	0.223703	2.129372	0.034656	0.360852
LCK;FNDC5	0.235145	2.130265	0.034581	0.360571
	0.104699	2.122178	0.035265	0.362724
	0.221393	2.129364	0.034657	0.360852
PARVG;ATXN10;WNT7B	-0.25393	-2.12352	0.035151	0.362404
SAMD15;CIPC;AHSA1;VASH1;NOXRED1;SPTLC2;TMED8;ENSG0				
0000258819;ENSG00000246548;ANGEL1	-0.2244	-2.12568	0.034968	0.361767
	-0.20637	-2.1229	0.035203	0.36257
PTPN7;KIF21B	0.213803	2.130391	0.034571	0.36052
IFFO1;CLSTN3;ANO2;VWF;C1R;SCNN1A;C1S;C1RL-				
AS1;RBP5;C1RL;ENSG00000256967;LEPREL2;LRRC23;CD9	0.289494	2.129616	0.034636	0.360769
	-0.17069	-2.1264	0.034906	0.361543
	0.186501	2.124501	0.035067	0.362174
CDHR3;EFCAB10;RINT1;ENSG00000272604;KMT2E;SRPK2	-0.28533	-2.12309	0.035187	0.362519
KCNK1	-0.33389	-2.12615	0.034928	0.361611
	-0.23736	-2.1234	0.03516	0.362427
SLC22A18	0.177721	2.130358	0.034574	0.36052

	0.398143	2.127963	0.034775	0.361108
	-0.23799	-2.1256	0.034974	0.361807
	0.150288	2.12807	0.034766	0.361098
	-0.24221	-2.12772	0.034795	0.36115
ZNF618	0.210353	2.121693	0.035306	0.362789
	-0.26551	-2.12513	0.035014	0.361928
	0.241967	2.129692	0.034629	0.360759
FAM86JP;ABTB1;ALG1L	-0.20151	-2.12725	0.034835	0.361368
PARP11	0.2584	2.130551	0.034557	0.36052
	-0.19842	-2.1297	0.034629	0.360759
SMG5	-0.15451	-2.12682	0.034871	0.36146
	0.280059	2.128017	0.03477	0.361098
	0.216491	2.123539	0.035149	0.362404
	0.234014	2.125933	0.034946	0.361666
FMO5;CHD1L;LIX1L;ITGA10;PDIA3P1	0.201451	2.126596	0.03489	0.361506
	-0.27606	-2.12845	0.034734	0.361034
	-0.17178	-2.13038	0.034572	0.36052
EMC8	-0.30771	-2.13028	0.03458	0.360568
	-0.23496	-2.12792	0.034779	0.361108
	0.206379	2.12783	0.034786	0.361134
	-0.13139	-2.12715	0.034843	0.361368
CCND2;TSPAN9;AKAP3;KCNA1	-0.23964	-2.12149	0.035323	0.362807
	0.229745	2.124988	0.035026	0.361955
	-0.18059	-2.12908	0.03468	0.360911
C11orf49;HARBI1;MAPK8IP1;ARHGAP1;ENSG00000254427	-0.18943	-2.12837	0.034741	0.361053
	-0.44852	-2.1219	0.035288	0.362741
GAS6;TMCO3;TMEM255B	0.20811	2.127142	0.034844	0.361368
	-0.15751	-2.12156	0.035317	0.362796
	0.210307	2.126418	0.034905	0.361543
ITGB7	0.238018	2.128962	0.034691	0.360911
	-0.19107	-2.12399	0.035111	0.362223
CD9	0.329895	2.12196	0.035283	0.362724
	-0.22273	-2.12309	0.035187	0.362519
FENDRR;FOXF1;ENSG00000262601;KIAA0513;FOXL1	-0.26438	-2.13079	0.034538	0.360428
	-0.18645	-2.12684	0.034869	0.36146
	0.216334	2.122853	0.035207	0.362574
ZBTB9;PFDN6;ENSG00000272288;SNRPC	0.291837	2.124591	0.03506	0.362115
XPNPEP1	-0.27208	-2.11283	0.036069	0.365066
	-0.25906	-2.12535	0.034995	0.361872
	0.215036	2.128547	0.034726	0.361013
RPL23A	0.193171	2.126279	0.034917	0.361592
	0.202006	2.126394	0.034907	0.361543
	-0.1579	-2.12674	0.034878	0.361478
SHANK2-AS1;SHANK2;SHANK2-AS3	-0.32411	-2.12394	0.035115	0.362223
	0.261168	2.127364	0.034825	0.361326
GPR39;ENSG00000213222	-0.25526	-2.12405	0.035105	0.362223

	-0.32996	-2.12894	0.034693	0.360911
	-0.28279	-2.12791	0.034779	0.361108
	0.191785	2.126586	0.034891	0.361506
	0.256934	2.128343	0.034743	0.36106
ENSG00000264304	0.195024	2.119461	0.035497	0.363401
ANK2	0.209677	2.118843	0.03555	0.363557
	-0.16798	-2.12075	0.035387	0.363007
	0.243843	2.12666	0.034885	0.361502
	-0.30278	-2.1251	0.035016	0.361928
PGM2	-0.31225	-2.12097	0.035368	0.363004
	-0.17281	-2.12424	0.035089	0.362223
EHD2;HRC;RASIP1;PLA2G4C;C5AR2;FUT2;MAMSTR;FAM83E	-0.3176	-2.12578	0.034959	0.361724
	0.218457	2.123413	0.035159	0.362427
	-0.28441	-2.12761	0.034805	0.361192
	-0.17963	-2.12049	0.035409	0.363046
	-0.13961	-2.1282	0.034755	0.361087
	0.140271	2.127882	0.034782	0.36112
ASPA;PLD2;ALOX15;P2RX5-TAX1BP3;P2RX5;TRPV3;C17orf85	-0.27482	-2.12896	0.034691	0.360911
	-0.19284	-2.1223	0.035254	0.362708
	-0.21108	-2.12677	0.034875	0.361478
	-0.1899	-2.12408	0.035102	0.362223
	-0.21227	-2.12512	0.035014	0.361928
SKI;ENSG00000217801;ENSG00000272106;VWA1;ANKRD65	-0.49749	-2.12653	0.034895	0.361506
	0.192508	2.122484	0.035238	0.36261
	0.173966	2.126196	0.034924	0.36161
	0.142297	2.122672	0.035223	0.362598
	0.183502	2.129939	0.034609	0.36071
CDH5;ATP6V0D1;CMTM4;TRADD;PSMB10;SLC12A4;GFOD2;ENKD1;FAM65A;TPPP3;RANBP10;TSNAXIP1	-0.37219	-2.12415	0.035097	0.362223
COG7;ERN2;ENSG00000261583;ENSG00000260136;SCNN1B;EEF2K;CDR2	0.312796	2.12416	0.035096	0.362223
	0.214084	2.11726	0.035686	0.363878
	0.244684	2.125052	0.03502	0.361934
DOC2B	0.311165	2.13135	0.034491	0.360313
	0.258041	2.128232	0.034752	0.361087
	0.187281	2.12825	0.034751	0.361087
	0.153046	2.124364	0.035079	0.362223
	-0.30632	-2.12589	0.034949	0.36168
	0.203411	2.127997	0.034772	0.361098
	0.225432	2.12958	0.034639	0.360769
	0.344292	2.1267	0.034881	0.361478
	0.272612	2.12542	0.034989	0.36187
	0.153426	2.125485	0.034984	0.361857
	-0.24982	-2.12579	0.034958	0.361724

FCN1;SLC2A6;SARDH	-0.24752	-2.12581	0.034957	0.361724
	-0.23553	-2.12785	0.034784	0.361134
	-0.20442	-2.12966	0.034632	0.360769
	0.253582	2.120886	0.035375	0.363004
	-0.15814	-2.12444	0.035073	0.362192
CPNE5;PI16;CDKN1A;FGD2;RNF8	-0.30068	-2.1221	0.035271	0.362724
	-0.28723	-2.12089	0.035375	0.363004
	0.259497	2.126318	0.034913	0.361575
	-0.18411	-2.12839	0.034739	0.361052
	-0.18584	-2.12654	0.034895	0.361506
SH3TC1	0.228658	2.126607	0.034889	0.361506
	0.223185	2.126237	0.03492	0.361602
	-0.29928	-2.12203	0.035277	0.362724
GABPB2	0.185882	2.122227	0.03526	0.362724
	0.256436	2.12613	0.034929	0.361611
	0.197939	2.113926	0.035974	0.364596
	-0.22643	-2.12717	0.034842	0.361368
	0.217379	2.125185	0.035009	0.361928
RPS3AP26;LMTK2;BUD31	-0.18758	-2.12748	0.034816	0.361262
ENSG00000225914;C6orf10;NOTCH4	-0.46778	-2.12134	0.035336	0.362881
	-0.3178	-2.12467	0.035052	0.362068
	0.20341	2.127173	0.034841	0.361368
CLUAP1;CCDC64B;ENSG00000205890;PDPK1;IL32;ENSG00000				
262370;HAGH	-0.4354	-2.12908	0.034681	0.360911
	0.204824	2.126603	0.034889	0.361506
	0.125202	2.126448	0.034902	0.361543
	0.220889	2.126424	0.034904	0.361543
	-0.16699	-2.12495	0.035029	0.361959
	-0.17064	-2.11538	0.035848	0.364389
	0.23411	2.124686	0.035052	0.362067
ZNF649;CLEC11A;SIGLEC6;ZNF614	0.165474	2.11832	0.035595	0.363667
LINC00643;MNAT1	-0.33299	-2.12163	0.035311	0.362789
	-0.24781	-2.12747	0.034816	0.361263
CPXM2	-0.22677	-2.11531	0.035854	0.364389
	0.110774	2.131014	0.034519	0.360368
	0.224433	2.124115	0.0351	0.362223
	-0.19036	-2.12567	0.034968	0.361767
CORO7;ENSG00000205890;MMP25	0.335417	2.126844	0.034869	0.36146
	-0.1997	-2.12962	0.034635	0.360769
SUN1;HEATR2	0.342973	2.126938	0.034861	0.361428
	0.156862	2.121675	0.035307	0.362789
	0.154294	2.120236	0.03543	0.363104
	-0.15811	-2.1221	0.035271	0.362724
	-0.16025	-2.12543	0.034988	0.361868
	-0.19211	-2.12864	0.034717	0.360954
HES2	0.17994	2.124687	0.035051	0.362067
	0.247192	2.121612	0.035313	0.362789

	0.15428	2.121187	0.035349	0.36293
SEC11A;NMB	0.188257	2.12598	0.034942	0.361661
	0.147897	2.122046	0.035276	0.362724
CDCP1;SLC6A20;ZNF660	-0.21434	-2.12792	0.034778	0.361108
	0.144312	2.124183	0.035094	0.362223
	-0.29969	-2.11678	0.035727	0.363986
	0.229583	2.124952	0.035029	0.361959
	-0.312	-2.12369	0.035136	0.362369
	0.321865	2.127671	0.034799	0.361164
	-0.20316	-2.12601	0.03494	0.361655
	-0.23293	-2.12395	0.035114	0.362223
	0.247549	2.126652	0.034885	0.361502
	0.203303	2.122503	0.035237	0.36261
	0.170557	2.126226	0.034921	0.361603
	0.312517	2.128291	0.034747	0.361082
TBC1D10C;ALDH3B1;UNC93B1;ENSG00000255306;ENSG00000 254610;AIP;GSTP1;FAM86C2P;TPCN2;MRGPRF;PITPNM1;ALDH 3B2;ENSG00000251637;MTL5;SUV420H1	-0.27666	-2.12352	0.03515	0.362404
	0.188868	2.121988	0.035281	0.362724
	0.145348	2.125837	0.034954	0.361716
ENSG00000005189;CRYM	-0.33557	-2.12368	0.035137	0.362369
	-0.26259	-2.12433	0.035082	0.362223
	0.254547	2.117963	0.035625	0.363727
CD34;PFKFB2	0.209669	2.120608	0.035398	0.363037
	-0.21842	-2.12426	0.035087	0.362223
ARHGEF10;MYOM2	0.290449	2.110772	0.036248	0.365753
HCG25;PFDN6;UQCC2;SLC39A7;C6orf106	0.188652	2.123618	0.035142	0.36239
ZNF578	-0.22432	-2.12825	0.03475	0.361087
	0.216115	2.12801	0.034771	0.361098
	0.115682	2.120897	0.035374	0.363004
	0.226609	2.127167	0.034842	0.361368
	0.212086	2.125888	0.03495	0.36168
CROCC	0.232679	2.126738	0.034878	0.361478
	-0.28973	-2.12411	0.0351	0.362223
	0.20323	2.124232	0.03509	0.362223
	0.174314	2.127635	0.034802	0.361177
	0.222189	2.122226	0.03526	0.362724
	0.236579	2.125113	0.035015	0.361928
	0.286571	2.126036	0.034937	0.361648
	0.254489	2.126715	0.03488	0.361478
	-0.19325	-2.1218	0.035297	0.362779
SLC45A2	-0.14253	-2.11902	0.035534	0.363464
	0.317548	2.126749	0.034877	0.361478
	0.280305	2.126527	0.034896	0.361506
	0.287025	2.119321	0.035509	0.363416
GPSM1;EGFL7;PTGDS;UAP1L1	-0.25164	-2.12512	0.035015	0.361928
FRA10AC1	-0.21407	-2.12073	0.035388	0.363007

	-0.19541	-2.1168	0.035725	0.363986
CLIC1;DDR1;HCP5;HSPA1A;HSPA1B;FKBPL;NELFE;NOTCH4;SLC4 4A4;LTB	-0.27143	-2.12473	0.035048	0.362056
	-0.265	-2.12778	0.03479	0.361134
ABTB1;FTH1P4;ENSG00000244300;MCM2	-0.21663	-2.12544	0.034988	0.361868
	-0.26396	-2.12714	0.034844	0.361368
	0.228407	2.121546	0.035318	0.362796
	-0.23554	-2.12514	0.035013	0.361928
	0.259418	2.124148	0.035097	0.362223
MASP1;LPP;ENSG00000213132	-0.29021	-2.11512	0.03587	0.364443
	0.202403	2.123604	0.035143	0.362393
	0.253325	2.124624	0.035057	0.362103
	0.239826	2.127998	0.034772	0.361098
COL25A1;OSTC;SGMS2;PAPSS1	0.261576	2.125214	0.035007	0.361928
CPXM2;LHPP;CTBP2;GPR26	-0.25981	-2.12351	0.035151	0.362404
	-0.28201	-2.12289	0.035204	0.36257
GATA2;CHCHD6;ENSG00000244300	0.136103	2.120677	0.035393	0.363034
	-0.18255	-2.12478	0.035044	0.36203
MAN2B1	-0.18715	-2.11816	0.035608	0.363727
PRICKLE1;ZCRB1	-0.29567	-2.12253	0.035235	0.36261
RPS6KA1	0.189435	2.122808	0.035211	0.362574
	-0.12732	-2.12199	0.035281	0.362724
SLC22A23;ENSG00000260604;SERPINB6;ENSG00000272320;B PHL	-0.31935	-2.12239	0.035247	0.362663
	0.208193	2.124424	0.035074	0.362192
CYGB	0.151407	2.120802	0.035382	0.363004
	0.166766	2.126983	0.034857	0.361423
ACAP1;XAF1;KCTD11	0.225747	2.126927	0.034862	0.361429
	-0.15054	-2.11966	0.03548	0.363368
ENSG00000223991;ENSG00000233392;ANKMY1	-0.12731	-2.12398	0.035112	0.362223
	-0.2792	-2.1233	0.035169	0.362471
GDPD5;ARRB1	-0.19145	-2.12411	0.0351	0.362223
LSP1;C11orf89;ATHL1;MRPL23;IFITM2;ENSG00000251661	-0.20362	-2.12209	0.035272	0.362724
F11R;PVRL4;MPZ;TSTD1;SDHC;ENSG00000213080;UFC1;ATP1A 2;ADAMTS4;PPOX;USP21;C1orf192;OLFML2B;KLHDC9;PEA15;S LAMF1	-0.25698	-2.12213	0.035268	0.362724
	-0.23721	-2.11696	0.035712	0.363951
	-0.22892	-2.12447	0.035069	0.362183
CDHR4;IP6K1;RASSF1;ZMYND10;TCTA;TUSC2	-0.33193	-2.12431	0.035084	0.362223
HR;BMP1	0.227251	2.120608	0.035399	0.363037
ALDH1L2;APPL2;TCP11L2;C12orf75	-0.21012	-2.12153	0.03532	0.362796
	-0.20494	-2.12556	0.034978	0.36182
RASSF4	-0.24355	-2.12375	0.035131	0.362348
	-0.18157	-2.12296	0.035198	0.362527
CDC42;ALPL;HSPG2;ENSG00000232037;LDLRAD2;DDOST	-0.19155	-2.12711	0.034847	0.361376
	0.224785	2.122512	0.035236	0.36261

ENSG00000250206	-0.27662	-2.12413	0.035098	0.362223
KCNQ1	-0.17195	-2.12304	0.035192	0.362519
	-0.26205	-2.12683	0.03487	0.36146
	0.126398	2.122004	0.035279	0.362724
	0.188632	2.126034	0.034937	0.361648
BCL11A	-0.35576	-2.12164	0.035311	0.362789
TMC8	-0.35838	-2.12422	0.035091	0.362223
	0.158128	2.118519	0.035577	0.363599
	0.174094	2.120591	0.0354	0.363043
	0.217733	2.124323	0.035082	0.362223
NICN1;APEH;AMT	-0.17853	-2.12678	0.034874	0.361478
NRROS;SLC51A;MUC4;TCTEX1D2;MUC20	-0.45055	-2.1195	0.035494	0.363393
	-0.1628	-2.12347	0.035154	0.362404
	0.223352	2.125082	0.035018	0.361934
DAGLA;SLC15A3	0.253543	2.121995	0.03528	0.362724
HOXD-AS1;HOXD3	-0.17331	-2.12058	0.035401	0.363045
	-0.20119	-2.12245	0.035241	0.362617
	-0.18816	-2.11959	0.035485	0.363368
	-0.20936	-2.12559	0.034975	0.361807
CACNA1C;CACNA1C-AS4;ERC1	-0.28707	-2.11937	0.035505	0.363403
	0.222136	2.122273	0.035256	0.36272
	0.301148	2.12397	0.035112	0.362223
SERPINB9;ENSG00000270504;SLC22A23;BPHL	0.364521	2.124423	0.035074	0.362192
	0.203173	2.124838	0.035039	0.362003
CEP104	0.214034	2.128002	0.034771	0.361098
PPTC7;ARPC3;ANAPC7;GIT2	-0.57899	-2.12347	0.035154	0.362404
	-0.16473	-2.11835	0.035592	0.363667
	0.128215	2.126914	0.034863	0.361431
	0.15647	2.12039	0.035417	0.363063
GCLC	-0.22335	-2.12603	0.034937	0.361648
	0.321182	2.122573	0.035231	0.362608
	-0.13986	-2.12093	0.035371	0.363004
	0.216845	2.121933	0.035285	0.362731
	0.1619	2.120797	0.035382	0.363004
	-0.22415	-2.11854	0.035576	0.363599
	0.172821	2.121701	0.035305	0.362789
	0.239259	2.123187	0.035179	0.362496
	0.257667	2.120541	0.035404	0.363046
	0.115122	2.120213	0.035432	0.363104
CD79B	0.228439	2.125454	0.034986	0.361867
	-0.16831	-2.12516	0.035011	0.361928
	-0.19706	-2.1221	0.035271	0.362724
	-0.18695	-2.12518	0.03501	0.361928
	-0.26402	-2.12704	0.034852	0.361408
MYEOV2;C2orf54	-0.28902	-2.11296	0.036057	0.365002
	0.185665	2.1176	0.035656	0.363778
	-0.25597	-2.12602	0.034938	0.361648

	0.159632	2.123689	0.035136	0.362369
GPR133;FZD10-AS1;FZD10;ENSG00000256151	0.415609	2.117298	0.035682	0.36387
	0.194223	2.126701	0.034881	0.361478
	0.218921	2.123629	0.035141	0.362388
PCDHB12;PCDH12;PCDHGC3;PCDHB9;PCDHB7;PCDHGA5;PCDHB10;SPRY4;PCDHGA2;PCDHGA3;PCDHB16;PCDHB18;PCDHB11;PCDHGB7;PCDHB5;PCDHGA4;PCDHB15;PCDHGB2;ARAP3;PCDHAC1;PCDHB14;PCDHGB3;PCDHB8;PCDHGA6;PCDHB2;PCDHB13;PCDHB6;ENSG00000271871;PCDHGA7;PCDHGA9;ENSG00000272108;PCDHGB6;PCDHGB1;PCDHB4;KIAA0141;PCDHB19P	0.26377	2.118272	0.035599	0.363685
	0.210113	2.125372	0.034993	0.36187
	0.185318	2.117907	0.03563	0.363729
ENSG00000248441;NR2F2	-0.34217	-2.12114	0.035353	0.362948
ENSG00000237719;DEF6	-0.39718	-2.12083	0.03538	0.363004
	-0.10706	-2.12407	0.035104	0.362223
	-0.1402	-2.12515	0.035012	0.361928
	0.286903	2.120055	0.035446	0.363199
	0.198369	2.1237	0.035135	0.362369
	-0.26406	-2.12423	0.03509	0.362223
	0.282263	2.126537	0.034895	0.361506
	0.124809	2.126703	0.034881	0.361478
	-0.209	-2.1239	0.035118	0.36225
FMNL3;CCDC65;TMBIM6;COX14;TUBA1A;KCNH3;ENSG00000258334;CERS5;LMBR1L	0.173227	2.115924	0.035801	0.364261
TAP1	0.187861	2.124124	0.035099	0.362223
	0.182192	2.124935	0.03503	0.361963
	-0.12944	-2.12089	0.035375	0.363004
	-0.1863	-2.11619	0.035778	0.364173
	-0.1788	-2.12481	0.035041	0.362021
	0.186847	2.122981	0.035196	0.362519
PSMD13	-0.19085	-2.1151	0.035872	0.364443
	-0.18387	-2.12538	0.034993	0.36187
FXYD3;KIAA0355;CLIP3;WTIP;ZNF792;SCN1B;FXYD5;CD22;DMKN;CAPNS1;GRAMD1A	-0.27377	-2.12334	0.035165	0.362446
	-0.18652	-2.11501	0.03588	0.364458
	-0.31063	-2.12258	0.03523	0.362608
	-0.20553	-2.12414	0.035098	0.362223
	-0.13446	-2.12282	0.03521	0.362574
	0.220407	2.123235	0.035175	0.362471
IKZF1;COBL	0.281775	2.125163	0.035011	0.361928
	0.333689	2.123073	0.035188	0.362519
	-0.23432	-2.12139	0.035331	0.362871
	0.202839	2.117203	0.035691	0.363895
	0.27209	2.118942	0.035541	0.363479
ENSG00000255160;ENSG00000255308;E2F8;CSRP3	-0.19443	-2.12303	0.035192	0.362519
	-0.18797	-2.12426	0.035088	0.362223

	0.114401	2.125064	0.035019	0.361934
ATG4B	0.236947	2.122694	0.035221	0.362598
	0.260149	2.121321	0.035338	0.362883
PRDM6	0.294122	2.122674	0.035222	0.362598
	0.301251	2.123175	0.03518	0.362498
REEP4	-0.17409	-2.12579	0.034958	0.361724
	-0.17835	-2.11904	0.035533	0.363464
	-0.20455	-2.11746	0.035669	0.363794
	0.216449	2.122026	0.035277	0.362724
ENSG00000224814	0.209345	2.125901	0.034949	0.36168
	0.159685	2.120347	0.035421	0.363083
KRT23	0.272963	2.122498	0.035237	0.36261
	-0.30541	-2.11963	0.035482	0.363368
HCP5;TAP1;HLA-DMA;TAP2;HLA-DOA	0.219937	2.122479	0.035239	0.36261
	0.281285	2.123272	0.035171	0.362471
FOXP2	-0.32038	-2.12199	0.035281	0.362724
	-0.1345	-2.11974	0.035472	0.363368
STARD4-AS1	0.266121	2.122165	0.035266	0.362724
MORN1	0.208651	2.12624	0.03492	0.361602
	0.281138	2.125078	0.035018	0.361934
	-0.15718	-2.12276	0.035215	0.362584
PREB	-0.1626	-2.11731	0.035682	0.36387
	0.283469	2.124052	0.035105	0.362223
SMIM5;RNF157-AS1;SMIM6;FBF1;FOXJ1;CYGB;FDXR;RNF157;TRIM65;ST6GALNAC2	-0.18972	-2.12231	0.035253	0.362708
	-0.33705	-2.12697	0.034859	0.361426
	0.277566	2.121986	0.035281	0.362724
	-0.11602	-2.12382	0.035125	0.362309
TBC1D10C;TCIRG1;PPP6R3;GSTP1;ADRBK1;ALDH3B1;UNC93B1	-0.26632	-2.12122	0.035346	0.362918
	-0.26986	-2.12319	0.035178	0.362496
	0.201107	2.122689	0.035221	0.362598
	-0.23111	-2.12114	0.035353	0.362948
LAMA3;ANKRD29	-0.26278	-2.11537	0.035848	0.364389
	-0.39118	-2.12327	0.035172	0.362471
	0.099988	2.120073	0.035444	0.363192
	0.296759	2.126996	0.034856	0.36142
	-0.21803	-2.12034	0.035422	0.363083
	0.293969	2.122876	0.035205	0.36257
FXYD3	-0.17746	-2.12262	0.035227	0.362605
	0.156559	2.122686	0.035221	0.362598
BAIAP2;RNF213	-0.24874	-2.11605	0.03579	0.364228
	-0.18216	-2.11784	0.035636	0.363732
NPR2;SPAG8;CCL19;FANCG	-0.23951	-2.11783	0.035637	0.363732
PILRA;AZGP1;AP1S1;AGFG2;COPS6	-0.2113	-2.11762	0.035655	0.363773
	-0.1845	-2.12364	0.035141	0.362388

	0.195502	2.120462	0.035411	0.363058
SUN1;HEATR2	0.248411	2.12577	0.03496	0.361724
	-0.3486	-2.11635	0.035764	0.364122
HCP5	0.244125	2.125361	0.034994	0.36187
	0.320336	2.122149	0.035267	0.362724
MIEN1	0.281141	2.120656	0.035394	0.363037
	0.230845	2.122562	0.035232	0.362608
IL10RA;CD3G;AMICA1;RPL5P30	0.318748	2.119812	0.035467	0.363336
MEOX1;ATP6V0A1;PTRF;AOC3;RUNDC1;RAMP2;CNTNAP1;CNT				
D1;BRCA1;MPP2;VPS25;GPATCH8	-0.34273	-2.11759	0.035657	0.363778
	-0.32477	-2.12155	0.035318	0.362796
	0.228564	2.114008	0.035966	0.36455
	0.172184	2.124725	0.035048	0.362056
	-0.38023	-2.12187	0.035291	0.362762
	0.223019	2.122297	0.035254	0.362708
	-0.47432	-2.11983	0.035465	0.363336
	0.291268	2.116072	0.035788	0.364226
	0.218716	2.114571	0.035918	0.364503
CEP85	0.215969	2.125229	0.035006	0.361928
	-0.14024	-2.1197	0.035476	0.363368
PLA2G10;ENSG00000262529;MKL2;NOMO1	0.251351	2.117831	0.035637	0.363732
	-0.17259	-2.12277	0.035214	0.362584
	0.197363	2.119634	0.035482	0.363368
	0.245292	2.116172	0.035779	0.364173
	0.236075	2.12136	0.035334	0.362874
	-0.38572	-2.12183	0.035294	0.362776
NPEPPS	0.279796	2.121251	0.035344	0.362918
	-0.14089	-2.1246	0.035059	0.362115
	-0.20727	-2.12074	0.035388	0.363007
	-0.15786	-2.11853	0.035576	0.363599
MTRNR2L4	0.236985	2.126345	0.034911	0.36156
PLAGL1;SF3B5	-0.32887	-2.11694	0.035713	0.363951
IQCA1;RAB17;COL6A3;COPS8;MLPH;ACKR3	-0.32199	-2.11762	0.035655	0.363773
	0.240421	2.11256	0.036092	0.365154
ST3GAL2;IL34;NQO1;SNTB2;TANGO6;CDH1;NFAT5;ENSG00000				
261777;HAS3	-0.29736	-2.11846	0.035582	0.36362
	0.090435	2.121228	0.035346	0.362918
	0.268862	2.118801	0.035553	0.363557
	-0.28061	-2.11467	0.035909	0.364503
ENSG00000248445	0.30063	2.122619	0.035227	0.362605
	0.234195	2.118504	0.035579	0.363602
	0.219818	2.12181	0.035296	0.362779
	0.134215	2.117091	0.0357	0.363922
	-0.27269	-2.11861	0.03557	0.363593
	0.199332	2.122845	0.035208	0.362574
OAZ1;NFIC;DOT1L	0.270517	2.121277	0.035341	0.362907
ENSG00000240751	-0.31718	-2.1235	0.035152	0.362404

OSR1;WDR35	-0.40473	-2.12399	0.03511	0.362223
	-0.31949	-2.11365	0.035998	0.364676
	-0.28778	-2.11389	0.035977	0.364606
FCRL5	-0.14535	-2.12177	0.035299	0.362779
	0.338801	2.123045	0.035191	0.362519
	0.180116	2.123483	0.035154	0.362404
	0.253934	2.122034	0.035277	0.362724
	-0.33548	-2.1183	0.035596	0.363668
	0.171615	2.121932	0.035286	0.362731
	0.136951	2.118641	0.035567	0.363593
VASH1;IFT43;GPATCH2L;CIPC;AHSA1;SAMD15;TGFB3;TTLL5;SPTLC2;ANGEL1;C14orf1;NOXRED1	0.185082	2.119131	0.035525	0.363462
EGFL7;GPSM1	0.157089	2.120565	0.035402	0.363046
	-0.34025	-2.12567	0.034968	0.361767
	0.226865	2.12365	0.035139	0.362387
TMEM108;ENSG00000251011	-0.30773	-2.11654	0.035748	0.364051
	-0.33094	-2.12394	0.035115	0.362223
DOK2	-0.27592	-2.1238	0.035127	0.362309
MFNG;ANKRD54;IFT27;LGALS1;CDC42EP1;SOX10;CSF2RB;CARD10	-0.38416	-2.11916	0.035522	0.363455
	-0.15336	-2.12179	0.035298	0.362779
MAK;C6orf52;SYCP2L;TMEM14B;NEDD9	0.343048	2.117562	0.03566	0.363779
	0.253992	2.119387	0.035503	0.363403
	0.160168	2.11802	0.03562	0.363727
OAS2;OAS1	-0.36408	-2.1256	0.034974	0.361807
	0.162131	2.122459	0.035241	0.362617
RNASET2	-0.21051	-2.12177	0.0353	0.362779
	0.293333	2.118645	0.035567	0.363593
	-0.15752	-2.11941	0.035501	0.363401
	0.2594	2.121671	0.035308	0.362789
	0.220299	2.122532	0.035234	0.36261
	0.128189	2.122873	0.035205	0.36257
C1QBP;PSMB6	0.152909	2.116783	0.035727	0.363986
	-0.16705	-2.11905	0.035532	0.363464
ENSG00000262370;IL32;HN1L;ENSG00000205890;UNKL;PRSS22;TMEM204;ABCA3;CCDC64B;TPSD1;PAQR4;ENSG00000260051	-0.25803	-2.12039	0.035417	0.363063
GPR133;ENSG00000256151	-0.22523	-2.12404	0.035106	0.362223
ENSG00000214870;CYCS	0.242281	2.121607	0.035313	0.362789
	-0.1361	-2.122	0.035279	0.362724
ANK2;ARSJ	0.197237	2.121432	0.035328	0.362847
SLMO2;PMEPA1;APCDD1L;PPP4R1L	-0.3023	-2.12039	0.035417	0.363063
ABHD11;WBSCR27;WBSCR22;CLDN4;CLIP2;ELN;CLDN3;ENSG00000232415	-0.46464	-2.12081	0.035382	0.363004
ENSG00000267262	0.237883	2.121907	0.035288	0.362741
	0.241122	2.116386	0.035761	0.364122
CPT1A	-0.35226	-2.11739	0.035675	0.363837

	0.238642	2.116222	0.035775	0.364163
	0.228307	2.121087	0.035358	0.362966
FENDRR;ENSG00000262601	0.221461	2.119215	0.035518	0.363445
UNC13B	0.267908	2.116474	0.035753	0.364082
	0.311856	2.121553	0.035318	0.362796
	0.303634	2.121685	0.035307	0.362789
MRGPRF;TPCN2	0.200639	2.121517	0.035321	0.362798
	0.28373	2.122519	0.035236	0.36261
SLCO4A1;SLC17A9;COL9A3;C20orf166-AS1;GID8;GATA5;OSBPL2	-0.27713	-2.11452	0.035922	0.364503
	-0.39441	-2.12256	0.035232	0.362608
	0.20547	2.121029	0.035363	0.362983
ARHGAP32;FLI1;ETS1	0.280042	2.12027	0.035427	0.363098
	0.220169	2.112751	0.036076	0.365084
	0.25766	2.119878	0.035461	0.363311
DNAJC16;FBLIM1;RSG1;KAZN	-0.31302	-2.11545	0.035842	0.364377
	0.241634	2.114548	0.03592	0.364503
	-0.27922	-2.11831	0.035595	0.363667
	-0.33186	-2.12001	0.035449	0.363223
	0.131405	2.120828	0.03538	0.363004
RGS22;C8orf47	0.230866	2.117782	0.035641	0.363732
	-0.17351	-2.1149	0.035889	0.364479
	0.201086	2.117692	0.035649	0.363761
	0.224131	2.119623	0.035483	0.363368
IL2RB;RAC2	-0.19224	-2.12449	0.035068	0.362174
	-0.16336	-2.12149	0.035323	0.362807
CCDC33;SEMA7A;HCN4	0.212965	2.12359	0.035144	0.362397
	0.213277	2.120008	0.03545	0.363223
	-0.44922	-2.12184	0.035293	0.362774
MZB1;IK;ECSCR;ZMAT2	-0.28445	-2.10944	0.036364	0.36614
	0.251548	2.116318	0.035767	0.364123
E2F1;TSPY26P	0.225037	2.120327	0.035423	0.363083
	0.21634	2.122002	0.03528	0.362724
RAET1E;IYD;LRP11;PPP1R14C;ENSG00000268592	-0.23671	-2.11538	0.035848	0.364389
	-0.142	-2.12352	0.035151	0.362404
TSPAN4;IGF2;MRPL23;TSPAN32	-0.24789	-2.12049	0.035409	0.363046
CCDC30	0.133353	2.117059	0.035703	0.363932
KIAA1755	0.21949	2.1172	0.035691	0.363895
	-0.19996	-2.11382	0.035983	0.364624
UNC13D;RHBDF2;SMIM5;SLC16A5;ICT1	-0.20446	-2.12153	0.03532	0.362796
	-0.69964	-2.12399	0.035111	0.362223
	-0.20537	-2.1203	0.035425	0.363095
	0.271155	2.124413	0.035075	0.362192
	0.303743	2.117315	0.035681	0.36387
DPEP2;RLTPR	0.141001	2.123989	0.035111	0.362223
PPP1R18;TNXB;C6orf48;GNL1	0.207394	2.118807	0.035553	0.363557

MIR143HG;MIR145;ENSG00000253864;PDGFRB;CSNK1A1;MIR143;SYNPO;ABLIM3;NDST1;ARSI;HMGXB3;ENSG00000253406	-0.32483	-2.12051	0.035407	0.363046
	-0.18211	-2.12052	0.035406	0.363046
	0.131178	2.120671	0.035393	0.363034
MACC1;ITGB8;ENSG00000233834;ENSG00000271133	0.270423	2.1181	0.035613	0.363727
	0.314437	2.121657	0.035309	0.362789
	-0.18873	-2.12049	0.035409	0.363046
MKNK1;SPATA6;ENSG00000236476	0.26248	2.123118	0.035185	0.362519
MRPL52;SLC22A17;PSMB5;C14orf119;EFS	-0.23627	-2.11838	0.035589	0.363646
	-0.25164	-2.12087	0.035376	0.363004
	0.224821	2.119159	0.035523	0.363455
	0.250509	2.119593	0.035485	0.363368
	-0.42052	-2.12039	0.035417	0.363063
SFT2D1	-0.26703	-2.11927	0.035513	0.363432
C12orf54	-0.11316	-2.11708	0.035701	0.363922
	-0.19208	-2.12174	0.035302	0.362783
ZBTB4;CLDN7;SLC2A4;DVL2;ATP1B2;MIR497HG	0.158579	2.121549	0.035318	0.362796
	-0.19725	-2.11593	0.0358	0.364261
STMN3;SLC17A9	0.198187	2.119525	0.035491	0.363377
	-0.12931	-2.1159	0.035803	0.364261
SSTR2	-0.45198	-2.11782	0.035637	0.363732
	-0.22776	-2.11769	0.035649	0.363761
STAT5B;ATP6V0A1;FKBP10;VPS25;STAT5A	-0.24257	-2.12099	0.035366	0.363004
	-0.17976	-2.11499	0.035882	0.364458
	0.247987	2.121027	0.035363	0.362983
	-0.26212	-2.11741	0.035673	0.363828
	0.196089	2.116958	0.035712	0.363951
NAP1L4	-0.20154	-2.12083	0.035379	0.363004
	0.198523	2.121202	0.035348	0.362926
	0.233911	2.118517	0.035578	0.363599
SLC2A4RG;STMN3;SOX18;ENSG00000267848;ZBTB46;C20orf195;ZNF512B	-0.44656	-2.12111	0.035356	0.362964
	0.227414	2.119756	0.035471	0.363368
	-0.2286	-2.12304	0.035191	0.362519
	0.151757	2.111579	0.036177	0.365466
	-0.1753	-2.12109	0.035357	0.362966
	0.220387	2.108831	0.036417	0.366375
	0.140297	2.115486	0.035839	0.364363
	-0.25503	-2.11819	0.035606	0.363713
	0.116737	2.12266	0.035224	0.362599
	0.117185	2.117633	0.035654	0.363773
	-0.10186	-2.12104	0.035362	0.362983
	0.237585	2.118661	0.035565	0.363593
H3F3AP6;SCOC;ELMOD2	-0.24988	-2.12472	0.035049	0.362056
HCP5;HLA-B;HLA-DRA;HLA-C;LTB;C2;MICB;GPSM3;PPP1R10	0.452786	2.122686	0.035221	0.362598

MVP;PPP4C;TMEM219;C16orf54;DCTPP1;SEPHS2;SETD1A;SEZ6L2;ITGAL;TAOK2	0.306304	2.117875	0.035633	0.363732
	0.213129	2.117244	0.035687	0.363883
	0.219767	2.113758	0.035988	0.364624
	-0.22132	-2.11953	0.035491	0.363377
	0.180864	2.115864	0.035806	0.364276
TRAF3IP3;HHAT	0.341929	2.123382	0.035162	0.36243
EVI5	0.211081	2.119944	0.035455	0.363262
	-0.2547	-2.12276	0.035215	0.362584
	0.170724	2.117741	0.035644	0.363748
	0.254749	2.122149	0.035267	0.362724
	0.106949	2.122832	0.035209	0.362574
	-0.262	-2.12261	0.035227	0.362605
	-0.16149	-2.11933	0.035508	0.363416
	0.211318	2.114387	0.035934	0.364503
	-0.1558	-2.12222	0.035261	0.362724
	-0.26617	-2.11722	0.03569	0.363895
	-0.18879	-2.11661	0.035742	0.364034
	0.109033	2.11439	0.035933	0.364503
	0.221078	2.114884	0.035891	0.364479
	-0.1358	-2.11919	0.03552	0.363445
	0.262339	2.120852	0.035378	0.363004
NOS3;SMARCD3;CDK5;GIMAP8;RARRES2;GIMAP6;GIMAP1;REPIN1	-0.15041	-2.11871	0.035561	0.36359
	-0.23226	-2.11974	0.035473	0.363368
KIAA1244	-0.22956	-2.11429	0.035942	0.364503
LCP2;DOCK2	-0.45753	-2.12079	0.035383	0.363004
	0.327556	2.113131	0.036043	0.364922
	0.264934	2.119368	0.035505	0.363403
ACAP1;KCTD11;CTC1;CLEC10A;EFNB3;ENSG00000263316;CYB5D1;KIAA0753;CLDN7	-0.17909	-2.12174	0.035302	0.362783
	0.147047	2.112598	0.036089	0.36514
	0.174254	2.118996	0.035537	0.363464
	-0.2539	-2.12054	0.035405	0.363046
	0.245908	2.11193	0.036147	0.365389
TMC8	0.20591	2.120188	0.035434	0.363109
	0.228972	2.118794	0.035554	0.363557
HMGN1	0.228764	2.113583	0.036003	0.364687
	0.145073	2.118154	0.035609	0.363727
	0.191894	2.109746	0.036337	0.366095
TGFBI;SPOCK1;CXCL14	0.23719	2.120938	0.03537	0.363004
	0.25583	2.117539	0.035662	0.363779
	0.505292	2.120842	0.035378	0.363004
TXNRD2	-0.37325	-2.12043	0.035413	0.363058
	0.269718	2.119826	0.035465	0.363336
	0.26103	2.120759	0.035386	0.363007
	-0.19742	-2.11717	0.035694	0.363906

	0.252607	2.114361	0.035936	0.364503
	0.213443	2.114449	0.035928	0.364503
	0.221791	2.116359	0.035763	0.364122
ITGA11	0.268595	2.122127	0.035269	0.362724
HSD17B8;HLA-DPB1;TAPBP;HLA-DPA1;UQCC2	-0.20945	-2.12137	0.035334	0.362874
	-0.19479	-2.11915	0.035523	0.363455
	0.258434	2.112571	0.036091	0.365154
INPP5K;FAM101B;MYO1C;C17orf97;RPH3AL;TLCD2;SCARF1;YWHAE	0.326658	2.1178	0.035639	0.363732
	0.199054	2.120773	0.035384	0.363007
	0.249107	2.114599	0.035915	0.364503
SKI;VWA1;MXRA8;ANKRD65	-0.2439	-2.11602	0.035793	0.364241
	0.131653	2.119212	0.035518	0.363445
	-0.34627	-2.11757	0.035659	0.363779
CAND2	0.19331	2.119005	0.035536	0.363464
	0.189403	2.11015	0.036302	0.365971
	0.316749	2.121792	0.035297	0.362779
	0.20395	2.112274	0.036117	0.365278
	-0.21825	-2.11781	0.035638	0.363732
ENSG00000203327	-0.32366	-2.11807	0.035616	0.363727
	0.145642	2.115647	0.035825	0.364342
HERPUD1;GPR114;CIAPIN1;MT2A	0.268074	2.119384	0.035503	0.363403
DENND1A;NEK6	-0.22551	-2.11376	0.035988	0.364624
RPS18	-0.18852	-2.11972	0.035474	0.363368
	0.323497	2.12299	0.035195	0.362519
PPP1R32;LRRC10B	-0.22567	-2.11963	0.035483	0.363368
	0.287086	2.111297	0.036202	0.365551
	0.185966	2.110298	0.036289	0.36595
ENSG00000235131;TP73	-0.57255	-2.11765	0.035652	0.363773
	0.213641	2.117174	0.035693	0.363906
	0.151051	2.116041	0.035791	0.364228
	0.282474	2.120214	0.035432	0.363104
DENND2A;TTC26;JHDM1D-AS1;ATP6V0A4	-0.24755	-2.11904	0.035533	0.363464
	0.198545	2.121968	0.035282	0.362724
	0.170118	2.118023	0.03562	0.363727
ARID3A;HMHA1;GNG7;REEP6;GPX4;MOB3A	-0.23974	-2.12127	0.035342	0.362907
BANP	-0.22065	-2.10745	0.036539	0.366816
	-0.13094	-2.11755	0.035661	0.363779
	0.207731	2.117975	0.035624	0.363727
	0.411455	2.115604	0.035828	0.364342
	0.161684	2.118989	0.035537	0.363464
RHBDF2;HN1;RNF157-AS1;ENSG00000265800;FOXJ1;SRSF2;LINC00338;RNF157;ST6GALNAC2;WBP2	-0.23035	-2.11796	0.035625	0.363727
	0.197658	2.115624	0.035827	0.364342
	0.251441	2.118123	0.035611	0.363727
ENSG00000222489	-0.20457	-2.11901	0.035535	0.363464

	0.105907	2.121967	0.035283	0.362724
	0.220192	2.118195	0.035605	0.363713
CEP41;NRF1;KLHDC10;UBE2H;SMKR1;SMO	-0.28046	-2.11906	0.035531	0.363464
	0.252793	2.116505	0.035751	0.364063
	0.272261	2.120331	0.035422	0.363083
	-0.27467	-2.1169	0.035717	0.363957
FXYD3;KIAA0355;GRAMD1A;WTIP;CLIP3;SCN1B;COX6B1	-0.28954	-2.1163	0.035768	0.36413
	-0.33761	-2.12023	0.035431	0.363104
	-0.17638	-2.1146	0.035915	0.364503
	-0.22243	-2.11536	0.03585	0.364389
	-0.211	-2.11376	0.035988	0.364624
	0.27219	2.122141	0.035268	0.362724
	-0.26777	-2.1151	0.035872	0.364443
	0.194355	2.111847	0.036154	0.365389
	-0.18573	-2.11474	0.035903	0.36448
	-0.20499	-2.1182	0.035605	0.363713
	0.245031	2.096057	0.037551	0.370393
	-0.18056	-2.12027	0.035427	0.363098
	0.204339	2.119408	0.035501	0.363401
PCDH12;SPRY4;PCDHGC3;PCDHGB2;FGF1;PCDHGA5;PCDHGA2; PCDHGA3;PCDHGB7;KIAA0141;ARAP3;PCDHGA6;PCDHGA9;PC DHGA12;ENSG00000271871;PCDH1	0.324832	2.115496	0.035838	0.364363
	0.263994	2.121361	0.035334	0.362874
	0.211378	2.118391	0.035588	0.363646
	0.199005	2.112714	0.036079	0.365084
ENSG00000214784	0.359131	2.114774	0.0359	0.364479
	0.183194	2.120279	0.035427	0.363098
	-0.27367	-2.11543	0.035844	0.364384
	-0.19089	-2.10481	0.036771	0.367607
KCNJ14	0.215657	2.115279	0.035856	0.364389
	0.204047	2.118768	0.035556	0.363571
	0.222614	2.117491	0.035666	0.363784
	0.188308	2.113048	0.03605	0.364952
	-0.22523	-2.11611	0.035785	0.364212
	0.265171	2.12256	0.035232	0.362608
	0.341404	2.118641	0.035567	0.363593
	0.149585	2.118399	0.035588	0.363646
STOX1;PBLD	0.371485	2.119537	0.03549	0.363377
	-0.15932	-2.1153	0.035855	0.364389
	0.315203	2.115055	0.035876	0.364444
ZBTB9;SYNGAP1;ANKS1A;RING1;UHRF1BP1;RGL2	0.251162	2.119571	0.035487	0.363372
ZNF423;NKD1;ENSG00000260029	0.295791	2.110217	0.036296	0.365953
TAP2;NOTCH4	-0.21055	-2.12115	0.035352	0.362948
ENSA;OTUD7B	-0.28611	-2.11869	0.035563	0.36359
	0.120407	2.120201	0.035433	0.363106
	-0.32241	-2.11912	0.035526	0.363464
	0.190656	2.113244	0.036033	0.364892

HES2;ICMT;KCNAB2;ESPN	0.42707	2.115853	0.035807	0.364276
RNU1-4;RNU1-2	0.181395	2.119441	0.035498	0.363401
	-0.23135	-2.11962	0.035483	0.363368
	0.184169	2.118604	0.03557	0.363593
	-0.38761	-2.1196	0.035485	0.363368
	0.296641	2.116658	0.035738	0.364014
FCHO1;JAK3;IL12RB1;LRRC25;BST2	-0.21874	-2.11691	0.035716	0.363957
	0.229508	2.115538	0.035834	0.364357
	0.572537	2.118566	0.035573	0.363599
ENSG00000269948	0.297568	2.118611	0.03557	0.363593
	-0.39374	-2.11547	0.03584	0.364363
	-0.2452	-2.11953	0.035491	0.363377
	0.25172	2.116329	0.035766	0.364122
	-0.13636	-2.11847	0.035582	0.36362
	0.202456	2.119588	0.035486	0.363368
ASS1;AIF1L;POMT1;GPR107	-0.29482	-2.11825	0.035601	0.363697
CDC20B;ARL15	0.340374	2.117971	0.035625	0.363727
	0.231328	2.117651	0.035652	0.363773
	0.258264	2.119054	0.035532	0.363464
ARHGAP30	-0.22105	-2.11571	0.035819	0.364334
SKI;CEP104;TP73-AS1;RER1;MEGF6	0.320087	2.117041	0.035705	0.363939
	-0.14723	-2.11699	0.035709	0.363951
	-0.25872	-2.11959	0.035485	0.363368
	0.302389	2.111064	0.036222	0.365625
MRPL23;IGF2;CARS	-0.30688	-2.11549	0.035838	0.364363
	-0.16091	-2.1146	0.035915	0.364503
	0.247011	2.117137	0.035696	0.363906
PRSS12;SYNPO2	-0.33936	-2.11645	0.035755	0.364094
	-0.24268	-2.11561	0.035828	0.364342
FGFR4;ARL10;TMED9;COL23A1;TSPAN17	-0.31122	-2.12064	0.035396	0.363037
	0.368447	2.11997	0.035453	0.363247
	0.235792	2.114058	0.035962	0.364544
TRPM2;ITGB2	0.27163	2.117917	0.035629	0.363729
	-0.15843	-2.11842	0.035586	0.363646
	0.237266	2.121616	0.035312	0.362789
NRM;VWA7;GNL1;TNXB;SLC44A4;TUBB	0.165344	2.114046	0.035963	0.364544
	0.201569	2.118798	0.035553	0.363557
ZMAT4;IDO1	0.217749	2.11935	0.035506	0.363409
ENSG00000272808	-0.31577	-2.11236	0.03611	0.365249
	0.260362	2.119309	0.03551	0.363418
	0.241432	2.119264	0.035514	0.363432
	0.355399	2.120454	0.035412	0.363058
	0.23928	2.119424	0.0355	0.363401
FCHSD2;PDE2A;DNAJB13	0.315399	2.119196	0.035519	0.363445
HMHA1;ARID3A	-0.23462	-2.11476	0.035902	0.364479
	0.208316	2.113635	0.035999	0.364678
	-0.23167	-2.11273	0.036077	0.365084

BCAS1;DOK5	-0.26557	-2.11076	0.036249	0.365753
SUN1;MAD1L1	-0.26212	-2.12162	0.035312	0.362789
	0.22621	2.114334	0.035938	0.364503
	-0.29979	-2.1157	0.03582	0.364334
	0.217767	2.118962	0.035539	0.36347
	-0.228	-2.12085	0.035378	0.363004
	0.233247	2.114307	0.035941	0.364503
	-0.12839	-2.112	0.03614	0.365389
CDC25B;HSPA12B	-0.28395	-2.11765	0.035652	0.363773
CLMP	-0.27962	-2.11572	0.035818	0.364334
	-0.24388	-2.1197	0.035476	0.363368
	0.15962	2.114086	0.03596	0.364544
	-0.35927	-2.11927	0.035513	0.363432
	-0.10131	-2.11442	0.035931	0.364503
	-0.18397	-2.11449	0.035925	0.364503
KIAA0556;TUFM;GTF3C1;ENSG00000260908;NUPR1;SULT1A1;				
CD19	-0.28666	-2.11509	0.035872	0.364443
	-0.20887	-2.11941	0.035501	0.363401
	-0.2369	-2.11623	0.035774	0.364163
PXDN;SNTG2	-0.43638	-2.11853	0.035577	0.363599
	-0.2455	-2.11824	0.035602	0.363697
	0.255514	2.115816	0.03581	0.364294
PADI1;MFAP2;EPHA2;PADI2	-0.28752	-2.11714	0.035696	0.363906
	-0.19935	-2.11775	0.035644	0.363748
ENSG00000266936	-0.17514	-2.11833	0.035593	0.363667
	0.225801	2.11404	0.035964	0.364544
	-0.1995	-2.11921	0.035518	0.363445
	-0.34338	-2.11944	0.035498	0.363401
PIEZO1;GALNS	0.185443	2.116744	0.03573	0.363993
	0.242657	2.117344	0.035678	0.363856
LINC00284	0.297802	2.116903	0.035716	0.363957
	-0.20967	-2.11791	0.03563	0.363729
C1QTNF1;TNRC6C;ENSG00000178404;TIMP2;USP36;TMC6;DN				
AH17;ENSG00000267491	0.203332	2.117531	0.035662	0.363779
	0.252907	2.109656	0.036345	0.366105
	-0.17472	-2.11174	0.036163	0.365408
	0.223189	2.118106	0.035613	0.363727
	-0.24897	-2.11855	0.035575	0.363599
C17orf62;WDR45B;MAFG-AS1;PCYT2	-0.1769	-2.11857	0.035573	0.363599
	-0.2401	-2.11441	0.035932	0.364503
	0.230639	2.109864	0.036327	0.366043
RNF32;C7orf13	-0.20412	-2.11682	0.035724	0.363986
	-0.23557	-2.11371	0.035992	0.364643
SKI	0.207124	2.112689	0.036081	0.365084
	0.266687	2.115793	0.035812	0.364306
	0.237805	2.116522	0.035749	0.364057
	-0.23043	-2.11292	0.036061	0.36502

	0.237529	2.114335	0.035938	0.364503
JAK3;FCHO1;IL12RB1;MAST3;FAM129C;ELL;ARRDC2;LRRC25	-0.22261	-2.11391	0.035975	0.364601
	0.190353	2.109329	0.036374	0.366169
	-0.27768	-2.11332	0.036027	0.364838
	0.196979	2.109545	0.036355	0.36614
MTMR14;GHRLOS;ENSG00000206567;SRGAP3-AS2	-0.30949	-2.1161	0.035786	0.364212
	-0.15767	-2.11135	0.036197	0.365551
FGF2;SPRY1	0.228522	2.113335	0.036025	0.364838
	0.4196	2.117982	0.035624	0.363727
	-0.24593	-2.11665	0.035738	0.364014
	-0.14501	-2.11668	0.035736	0.364014
SCMH1;PPCS;ENSG00000230638;FOXO6;ZMYND12	-0.25374	-2.11801	0.035621	0.363727
SLC7A5	0.24854	2.118696	0.035562	0.36359
CTTN	-0.26854	-2.11925	0.035515	0.363439
MRC2;MILR1;LIMD2;CD79B;CYB561;ENSG00000264954;ERN1;				
ACE;C17orf72;ENSG00000265702;METTL2A;DDX5;MARCH10	-0.29626	-2.11981	0.035467	0.363336
MYO9A	0.319269	2.117977	0.035624	0.363727
	0.184631	2.114776	0.0359	0.364479
	0.1489	2.113774	0.035987	0.364624
	-0.1719	-2.11526	0.035858	0.364389
	0.246638	2.118401	0.035588	0.363646
	0.232629	2.120647	0.035395	0.363037
	0.157633	2.117091	0.0357	0.363922
	0.189526	2.117904	0.03563	0.363729
	0.279129	2.114434	0.03593	0.364503
SNORA53	0.336541	2.118704	0.035562	0.36359
MFNG;IFT27;ANKRD54;LGALS1;C22orf23;SUN2;CSF2RB;CDC42				
EP1;FAM227A;SOX10;CBY1;CARD10	-0.25389	-2.11427	0.035944	0.364503
	0.169776	2.11289	0.036063	0.365034
	0.194646	2.114843	0.035894	0.364479
	-0.36227	-2.11695	0.035712	0.363951
	0.178283	2.118973	0.035539	0.36347
	-0.29061	-2.1103	0.036289	0.36595
	0.15533	2.115757	0.035815	0.364329
	0.220204	2.117495	0.035665	0.363784
	0.249694	2.113345	0.036024	0.364838
	0.242618	2.116952	0.035712	0.363951
	0.213358	2.116942	0.035713	0.363951
	-0.27866	-2.11595	0.035799	0.364261
ENSG00000238160;PDLIM4;C5orf56	-0.20597	-2.11729	0.035683	0.363872
UNC93B1;GSTP1;FAM86C2P;ALDH3B1;MRGPRF;PITPNM1;ALD				
H3B2;ENSG00000255306;ENSG00000254610;TBC1D10C;AIP	-0.27354	-2.11481	0.035897	0.364479
	-0.22966	-2.119	0.035537	0.363464
FAM60A;DENND5B	0.289239	2.114597	0.035915	0.364503

	0.237661	2.109965	0.036318	0.366023
	0.240062	2.113341	0.036024	0.364838
	-0.45257	-2.11958	0.035486	0.363368
	0.286923	2.115661	0.035824	0.364342
	-0.19817	-2.1138	0.035985	0.364624
APBA2	-0.34122	-2.10661	0.036612	0.367063
	-0.17137	-2.11023	0.036295	0.365953
	0.143335	2.111665	0.03617	0.365425
TMEM80;TSPAN4	-0.19941	-2.11779	0.03564	0.363732
	0.218621	2.11512	0.03587	0.364443
	-0.33984	-2.12022	0.035432	0.363104
LGR6;LMOD1;PPP1R12B;ELF3;CSRP1;RNPEP;IPO9	-0.25363	-2.11244	0.036103	0.365212
	0.29476	2.117915	0.035629	0.363729
SLCO2A1	0.25614	2.112634	0.036086	0.365117
	0.156666	2.108957	0.036406	0.366363
	0.171178	2.115895	0.035803	0.364261
ADAMTS17;ENSG00000259363;DNM1P46	-0.28094	-2.10614	0.036654	0.367137
SH3BP2;STX18;FAM193A	-0.40378	-2.11902	0.035535	0.363464
	0.279242	2.117347	0.035678	0.363856
	-0.12729	-2.11506	0.035875	0.364444
	0.188722	2.109334	0.036373	0.366169
	-0.33039	-2.11406	0.035962	0.364544
	0.232235	2.107237	0.036557	0.366866
	0.246155	2.114297	0.035941	0.364503
	0.192434	2.120091	0.035443	0.363186
	-0.17661	-2.11569	0.035821	0.364334
SEMA7A	-0.18211	-2.11812	0.035612	0.363727
ITGAX;PRSS53;ITGAL	-0.22042	-2.11677	0.035728	0.363986
TTYH2;SLC16A5;FDXR;ICT1;MRPS7;GPRC5C;SLC9A3R1;HN1	-0.22454	-2.112	0.036141	0.365389
	-0.28186	-2.11833	0.035594	0.363667
	0.162337	2.117453	0.035669	0.363794
CD22	-0.28438	-2.11556	0.035832	0.364344
CHST15;ADAM12	-0.13176	-2.11524	0.03586	0.364393
FBXO17;ZNF546;PLD3	-0.29913	-2.1151	0.035872	0.364443
SLC50A1;SHE;TDRD10;LAMTOR2	-0.22247	-2.10894	0.036408	0.366363
	0.223606	2.11405	0.035963	0.364544
	-0.20439	-2.11436	0.035936	0.364503
GOLGA3	-0.20419	-2.11483	0.035896	0.364479
	0.279786	2.118706	0.035561	0.36359
	0.171821	2.11528	0.035856	0.364389
	0.22468	2.115139	0.035869	0.364443
	0.195877	2.114948	0.035885	0.364476
TMEM255B	0.185274	2.108867	0.036414	0.366375
	0.19316	2.116842	0.035722	0.363984
	0.285996	2.11641	0.035759	0.36412
	0.144355	2.117518	0.035664	0.363782

	0.204998	2.114759	0.035901	0.364479
SLC17A9	-0.35336	-2.11434	0.035938	0.364503
	-0.12602	-2.11796	0.035626	0.363727
	-0.17817	-2.11439	0.035933	0.364503
	0.278168	2.115664	0.035823	0.364342
	-0.30831	-2.11782	0.035638	0.363732
	0.280196	2.116281	0.03577	0.364138
	0.120887	2.114024	0.035965	0.364544
PIGB	0.169928	2.111981	0.036142	0.365389
ENSG00000261659;METRN	-0.3151	-2.11593	0.0358	0.364261
	-0.3957	-2.11559	0.03583	0.364342
	0.150654	2.114989	0.035882	0.364458
	-0.15208	-2.11244	0.036103	0.365212
	-0.21132	-2.11559	0.03583	0.364342
	0.233723	2.104407	0.036807	0.367685
PUS10	0.296564	2.106253	0.036644	0.367137
	0.27394	2.114027	0.035965	0.364544
PDE2A;FCHSD2;STARD10;MRPL48;PPME1;P2RY2;COA4;ARHGEF17	-0.33638	-2.11527	0.035857	0.364389
	0.182703	2.117537	0.035662	0.363779
	-0.22354	-2.11539	0.035847	0.364389
	0.175008	2.117734	0.035645	0.363748
	0.244258	2.114969	0.035883	0.364467
	0.223146	2.103321	0.036903	0.368061
	0.21614	2.111453	0.036188	0.365551
	-0.16324	-2.11552	0.035836	0.364363
	-0.19346	-2.11145	0.036189	0.365551
	-0.30015	-2.1103	0.036289	0.36595
	-0.20249	-2.117	0.035708	0.363951
	-0.1797	-2.11244	0.036103	0.365212
	0.275496	2.107508	0.036533	0.366791
VAV1;DENND1C	-0.17498	-2.10874	0.036425	0.3664
ENSG00000270137;SLA;ST3GAL1	-0.30931	-2.1114	0.036193	0.365551
ZNF891	0.273888	2.115318	0.035853	0.364389
ZNF683;CD52	-0.28768	-2.11591	0.035802	0.364261
GNG7;MOB3A;ZNF57;AES;GNA15	-0.2325	-2.11124	0.036207	0.365551
	-0.14819	-2.11441	0.035932	0.364503
	0.212259	2.116548	0.035747	0.364051
	-0.22826	-2.11677	0.035728	0.363986
	-0.17796	-2.11684	0.035721	0.363984
	0.137507	2.118015	0.035621	0.363727
	-0.20733	-2.11465	0.035911	0.364503
RASAL3;HSH2D	-0.2771	-2.10652	0.036621	0.367064
	0.289779	2.113745	0.035989	0.364624
	-0.14732	-2.1149	0.035889	0.364479
ATRNL1;GFRA1	-0.2356	-2.11419	0.035951	0.364544
	0.182919	2.114892	0.03589	0.364479

	0.123851	2.117853	0.035635	0.363732
	0.251975	2.116233	0.035774	0.364163
	0.222215	2.11483	0.035895	0.364479
	0.169958	2.114148	0.035954	0.364544
	-0.51039	-2.11558	0.03583	0.364342
	0.197716	2.111072	0.036222	0.365625
	0.156436	2.112376	0.036108	0.36524
SSBP3	0.280424	2.115338	0.035851	0.364389
	-0.19093	-2.11655	0.035747	0.364051
DYRK3;PFKFB2;CR1L;PIGR	-0.27288	-2.10727	0.036554	0.36686
	0.242827	2.114567	0.035918	0.364503
	-0.21119	-2.11414	0.035955	0.364544
	-0.30045	-2.11674	0.03573	0.363993
ZNF571-AS1	-0.20309	-2.11663	0.03574	0.364027
	0.14589	2.109493	0.03636	0.36614
	0.173213	2.112221	0.036122	0.365284
	0.253324	2.118065	0.035616	0.363727
	0.196535	2.118134	0.035611	0.363727
	0.302709	2.1148	0.035898	0.364479
VSIG2	0.147078	2.102286	0.036995	0.368349
	-0.20911	-2.11516	0.035867	0.364443
	0.146469	2.11091	0.036236	0.365717
GNA12;MAD1L1;TTYH3;IQCE;CARD11;SDK1	-0.20877	-2.10693	0.036584	0.366996
SERPINA6;PPP4R4;C14orf142;ASB2;PRIMA1	-0.34506	-2.10821	0.036472	0.366603
MFNG	-0.23056	-2.11428	0.035943	0.364503
	0.229758	2.115207	0.035863	0.364414
	0.184967	2.113783	0.035986	0.364624
	0.214132	2.10742	0.036541	0.366826
	-0.22778	-2.11369	0.035994	0.364652
ICAM1	-0.26824	-2.11029	0.03629	0.36595
	0.274327	2.111548	0.03618	0.365484
	0.199396	2.114783	0.035899	0.364479
C11orf49;HARBI1	-0.24125	-2.11108	0.036221	0.365625
	0.134614	2.116339	0.035765	0.364122
	0.267093	2.117128	0.035697	0.363906
	0.25636	2.111906	0.036149	0.365389
	-0.12805	-2.10813	0.036479	0.366603
	0.329245	2.116731	0.035731	0.363994
	0.271445	2.112279	0.036117	0.365278
	0.227326	2.114354	0.035937	0.364503
	0.256702	2.110177	0.0363	0.365957
	0.28459	2.115567	0.035832	0.364344
	0.244591	2.111241	0.036207	0.365551
	0.214189	2.117131	0.035697	0.363906
	-0.33587	-2.11875	0.035558	0.363582
	-0.1853	-2.11184	0.036154	0.365389
	-0.18451	-2.11456	0.035919	0.364503

GRK6	0.245439	2.116181	0.035779	0.364173
RRM2;LPIN1;CYS1	-0.35234	-2.11634	0.035765	0.364122
	-0.21439	-2.11429	0.035942	0.364503
	-0.15164	-2.11434	0.035937	0.364503
EGFL7;PTGDS;GPSM1;OLFM1;LCNL1;CAMSAP1	0.317459	2.116042	0.035791	0.364228
	-0.30084	-2.1164	0.03576	0.364122
	0.157411	2.11487	0.035892	0.364479
	-0.22628	-2.11592	0.035801	0.364261
PIK3CD	-0.25989	-2.10846	0.03645	0.366542
	0.202662	2.103617	0.036877	0.367918
	-0.14077	-2.11361	0.036001	0.364687
	0.2924	2.113061	0.036049	0.364949
	-0.18516	-2.11702	0.035706	0.363947
ENSG00000242104	-0.29729	-2.11221	0.036123	0.365284
	0.285709	2.109656	0.036345	0.366105
	0.234972	2.112514	0.036096	0.365179
	-0.39995	-2.11418	0.035951	0.364544
ZBTB9;HCG25;HSD17B8	-0.21851	-2.11804	0.035619	0.363727
	0.194235	2.116172	0.035779	0.364173
EFCAB11;TTC8;TDP1	-0.36494	-2.11469	0.035908	0.364503
	0.277978	2.112128	0.03613	0.365346
	-0.20064	-2.10735	0.036548	0.366838
	-0.21884	-2.11188	0.036151	0.365389
	0.304621	2.115334	0.035852	0.364389
	-0.28697	-2.11274	0.036077	0.365084
	-0.16386	-2.10971	0.036341	0.366105
	0.250799	2.114545	0.03592	0.364503
RHOU;WNT9A;HIST3H2A	-0.17796	-2.11026	0.036293	0.365953
CCDC92	-0.30165	-2.10557	0.036704	0.367367
	-0.21934	-2.11572	0.035818	0.364334
	0.197631	2.11069	0.036255	0.365791
LINC00939	0.339721	2.117873	0.035633	0.363732
	0.348508	2.116375	0.035762	0.364122
MEGF6	0.362641	2.116563	0.035746	0.364051
ITGB7;ACVRL1;ACVR1B;GRASP;OR7E47P;KRT80;KRT18	0.285669	2.11275	0.036076	0.365084
RNF223;VWA1;MXRA8;LINC01128;SAMD11;ENSG0000027210 6	-0.25056	-2.11403	0.035964	0.364544
	0.212228	2.11345	0.036015	0.364774
	-0.22284	-2.11689	0.035718	0.363963
	0.254659	2.115332	0.035852	0.364389
	0.335341	2.114824	0.035896	0.364479
DNAH10	0.14887	2.11189	0.03615	0.365389
	0.201965	2.114041	0.035964	0.364544
TRIM27;SCAND3;TRIM39	0.315459	2.112415	0.036105	0.365223
PARP15;WDR5B;HSPBAP1;PDIA5	-0.29073	-2.10947	0.036362	0.36614
	-0.33293	-2.11184	0.036155	0.365389
C1QTNF2;ATP10B	-0.24801	-2.11195	0.036145	0.365389

ARHGEF10	0.212681	2.115908	0.035802	0.364261
	0.155949	2.113868	0.035979	0.364612
	-0.19822	-2.11014	0.036303	0.365971
EXOSC10	-0.33291	-2.1177	0.035647	0.363761
	-0.16638	-2.10713	0.036566	0.366887
	0.223244	2.109341	0.036373	0.366169
	0.275052	2.11506	0.035875	0.364444
	-0.25578	-2.11103	0.036226	0.365649
	0.332993	2.112328	0.036112	0.365265
CLEC2D;ENSG00000257027;KLRG1;ENSG00000256594;ENSG0				
0000256937;CLEC4A;KLRB1;SLC2A3	-0.36836	-2.11749	0.035666	0.363784
	0.132944	2.108132	0.036479	0.366603
	0.145602	2.109457	0.036363	0.36614
	-0.19691	-2.1157	0.03582	0.364334
	-0.16741	-2.11247	0.0361	0.365208
	0.158647	2.109945	0.03632	0.366023
	0.203136	2.112028	0.036138	0.365389
	0.295647	2.114166	0.035953	0.364544
	0.253617	2.108922	0.036409	0.366363
SH3RF3-AS1	0.251692	2.112084	0.036134	0.365367
	0.187105	2.112682	0.036082	0.365084
ADCY5;CSTA;ILDR1	-0.31212	-2.11024	0.036294	0.365953
	-0.17665	-2.11169	0.036168	0.365418
	0.300663	2.110794	0.036246	0.365742
	0.158162	2.115061	0.035875	0.364444
	0.216673	2.116693	0.035734	0.364014
ENSG00000261175;FOXL1;FENDRR;C16orf74	-0.28205	-2.10897	0.036405	0.366363
CD7;WDR45B	-0.26556	-2.1109	0.036237	0.365717
	-0.16192	-2.11474	0.035903	0.36448
	-0.29364	-2.1123	0.036114	0.365269
	0.235985	2.108129	0.036479	0.366603
	0.169474	2.113201	0.036036	0.364906
	-0.20105	-2.11318	0.036038	0.364906
	-0.28517	-2.11125	0.036206	0.365551
PPIAP29	0.269356	2.113789	0.035985	0.364624
	-0.29091	-2.1072	0.03656	0.366871
FERMT3;CCDC88B	0.19728	2.110893	0.036237	0.365717
	0.173364	2.110287	0.03629	0.36595
	0.295047	2.114135	0.035956	0.364544
TMPRSS3;C21orf128;RSPH1;SLC37A1;ENSG00000225431;TFF3;				
ZNF295-				
AS1;ABCG1;FAM3B;UMODL1;PDE9A;LINC00479;ENSG0000023				
5772;UBASH3A;LINC00111;WDR4	-0.26972	-2.11176	0.036162	0.365403
	-0.34426	-2.11809	0.035614	0.363727
UNC13B	0.289858	2.114106	0.035958	0.364544
	0.200017	2.115014	0.035879	0.364458
	0.295291	2.114421	0.035931	0.364503

	-0.20023	-2.10958	0.036352	0.36614
	0.420304	2.113186	0.036038	0.364906
IMPG2	-0.17556	-2.11354	0.036007	0.364707
TMEM255B;GAS6;PROZ;F10;TMCO3	0.293836	2.111381	0.036195	0.365551
USP46	-0.30894	-2.11083	0.036243	0.365732
PTPRS;TRIP10;NDUFA11	0.192828	2.108302	0.036464	0.366596
MIR3916	-0.24651	-2.11294	0.036059	0.365008
SNHG3;RCC1;SNORA73B	-0.24871	-2.11614	0.035783	0.364196
	-0.17869	-2.1067	0.036605	0.36705
	0.33512	2.113104	0.036045	0.364937
RMI1	-0.32539	-2.11476	0.035901	0.364479
	0.121316	2.108696	0.036429	0.366425
ANAPC16;CDH23;PSAP;SGPL1;PRF1;PPA1;PALD1	-0.23741	-2.11287	0.036065	0.365038
PIGR;PLXNA2;CR1L;CR1;CD46;CD34;DYRK3;C1orf116;FAIM3	-0.38463	-2.11009	0.036308	0.365974
	0.325835	2.11309	0.036046	0.364941
MAP3K3;DDX42;CD79B;LIMD2;ACE	0.151297	2.107831	0.036505	0.366661
	-0.20492	-2.11221	0.036122	0.365284
FXYD5;FXYD3;CD22;DMKN	-0.39265	-2.11197	0.036143	0.365389
	-0.21746	-2.11467	0.035909	0.364503
C4orf22;ENSG00000232327;PRKG2;LINC01088	-0.3383	-2.11388	0.035977	0.364606
	-0.14767	-2.1113	0.036202	0.365551
	-0.29906	-2.11585	0.035807	0.364276
	-0.17895	-2.1062	0.036648	0.367137
	-0.26344	-2.1103	0.036289	0.36595
	0.228983	2.11654	0.035748	0.364051
	0.532956	2.10852	0.036445	0.366519
	0.211048	2.111701	0.036167	0.365418
PLCG2;ENSG00000260682;GAN	-0.30234	-2.11178	0.03616	0.365403
	-0.41924	-2.11048	0.036273	0.365876
	0.252816	2.110202	0.036298	0.365953
	-0.22642	-2.11408	0.035961	0.364544
	-0.19676	-2.10865	0.036433	0.366437
MEG3;ENSG00000225746;HSP90AA1;MOK;MEG8	0.397576	2.116677	0.035736	0.364014
	-0.15014	-2.10792	0.036497	0.366638
	0.274997	2.110825	0.036243	0.365732
BCAT1	-0.35166	-2.10465	0.036785	0.367639
	-0.14784	-2.10542	0.036717	0.367452
ITK	-0.23491	-2.10579	0.036685	0.367269
	0.262582	2.104282	0.036818	0.367727
MRPL23;TSPAN4	-0.23422	-2.11446	0.035927	0.364503
	0.182203	2.106174	0.036651	0.367137
	0.134621	2.111399	0.036193	0.365551
SND1	-0.17025	-2.11231	0.036114	0.365269
ACACB;FICD;WSCD2;MYO1H	0.189862	2.11035	0.036285	0.36595
	-0.4225	-2.1143	0.035941	0.364503
PXDN	0.178765	2.107268	0.036555	0.36686

	0.173805	2.106235	0.036645	0.367137
	0.275299	2.107113	0.036568	0.366887
	0.232593	2.108879	0.036413	0.366375
	0.22329	2.115916	0.035802	0.364261
HLX	-0.23384	-2.11173	0.036164	0.365409
	0.212935	2.113942	0.035972	0.36459
	0.138498	2.114384	0.035934	0.364503
ALDH1A3	-0.24865	-2.11537	0.035849	0.364389
	0.217014	2.114657	0.03591	0.364503
DEPDC1	0.245876	2.114864	0.035892	0.364479
	0.216012	2.109923	0.036322	0.366023
	-0.2272	-2.11189	0.036151	0.365389
	0.13094	2.109353	0.036372	0.366169
	0.289567	2.114046	0.035963	0.364544
TTC40	0.15087	2.110814	0.036244	0.365734
	0.24494	2.102948	0.036936	0.368171
	0.2434	2.11488	0.035891	0.364479
	0.214348	2.111923	0.036147	0.365389
	0.152547	2.111372	0.036195	0.365551
PRADC1;ACTG2;BOLA3;HK2;M1AP;LOXL3;MOGS;DQX1;RAB11F IP5;WDR54;TET3;CCT7;SEMA4F	-0.22241	-2.11064	0.036259	0.36581
	0.210954	2.106648	0.036609	0.36705
	0.288413	2.113669	0.035996	0.364666
	0.109822	2.111867	0.036152	0.365389
	-0.17732	-2.11408	0.035961	0.364544
TBCD;WDR45B	-0.23326	-2.11307	0.036048	0.364949
NUP210;C3orf83	0.284271	2.110028	0.036313	0.365985
	-0.1837	-2.11179	0.036159	0.365403
	-0.44906	-2.1085	0.036447	0.366522
	0.193057	2.110528	0.036269	0.365865
PADI1	-0.18911	-2.10973	0.036339	0.366101
	-0.15448	-2.10711	0.036569	0.366887
	-0.30478	-2.10829	0.036465	0.366596
	0.246511	2.1127	0.03608	0.365084
	-0.17323	-2.10501	0.036754	0.367535
	0.24388	2.108779	0.036422	0.366377
	0.144075	2.112721	0.036078	0.365084
	0.14351	2.11112	0.036217	0.36561
DENND3	-0.20532	-2.11359	0.036003	0.364687
PPP1R14A;SPINT2;FBXO17;ZNF540;HKR1;PAK4;MAP4K1;ENSG0 0000183760;RYR1;ZNF607	-0.32646	-2.10366	0.036873	0.367918
RHD;ENSG00000261349	0.183978	2.109015	0.036401	0.366351
	0.099088	2.106125	0.036655	0.367137
	0.253081	2.113447	0.036015	0.364774
	0.131384	2.106413	0.03663	0.367085
	0.342356	2.111106	0.036219	0.365614
DNASE1L3	0.210614	2.106651	0.036609	0.36705

	0.176248	2.11318	0.036038	0.364906
NPNT	-0.30878	-2.10414	0.03683	0.367766
	0.122633	2.115249	0.035859	0.364393
CLIP3;FXYD3;DMKN	0.159347	2.115038	0.035877	0.364449
	0.245732	2.113596	0.036002	0.364687
	0.180373	2.11271	0.036079	0.365084
AIF1L	-0.1904	-2.10813	0.036478	0.366603
	0.270517	2.109257	0.03638	0.366206
	0.282009	2.111933	0.036147	0.365389
	-0.26417	-2.10736	0.036546	0.366838
ZCCHC7	0.25453	2.111628	0.036173	0.365432
SAMD11;ANKRD65;MXRA8;SSU72;RNF223;VWA1;ENSG00000223764;ATAD3A	-0.39231	-2.10362	0.036876	0.367918
ANKRD65;ENSG00000272106;SSU72	0.214978	2.109685	0.036343	0.366105
CSGALNACT1;PSD3;SH2D4A;INTS10;NAT1	-0.40745	-2.1095	0.036359	0.36614
	0.170539	2.115474	0.03584	0.364363
CLMP;ENSG00000255248;HSPA8	-0.4463	-2.11003	0.036312	0.365985
	0.219233	2.111316	0.0362	0.365551
	-0.40263	-2.11317	0.036039	0.364907
C14orf2;KIF26A;INF2;EIF5;BAG5	-0.22055	-2.1101	0.036306	0.365972
	0.228611	2.096049	0.037552	0.370393
PDCD1	0.21349	2.111335	0.036199	0.365551
MAML2	-0.26648	-2.1053	0.036728	0.367512
ITGA8;FAM107B;FRMD4A	0.234791	2.114475	0.035926	0.364503
	0.203664	2.10885	0.036416	0.366375
KIF6	0.284062	2.107453	0.036538	0.366816
NRROS;TNK2;MUC20;SLC51A;PIGX	0.268139	2.113184	0.036038	0.364906
	0.303596	2.114267	0.035944	0.364503
	-0.16217	-2.11047	0.036274	0.365876
	0.197688	2.112552	0.036093	0.365154
	-0.88089	-2.11332	0.036027	0.364838
	0.12837	2.108784	0.036422	0.366377
	0.242665	2.11207	0.036135	0.365371
	-0.34403	-2.11026	0.036292	0.365953
	-0.15733	-2.11281	0.03607	0.365066
	-0.25815	-2.10464	0.036786	0.367639
	-0.13795	-2.10868	0.036431	0.366429
	-0.16386	-2.1101	0.036306	0.365972
	-0.17413	-2.11137	0.036196	0.365551
	0.181457	2.107161	0.036564	0.366882
	0.239493	2.113378	0.036021	0.364826
	0.186304	2.111981	0.036142	0.365389
	0.245803	2.111995	0.036141	0.365389
	-0.20526	-2.10014	0.037186	0.368975
KIF18B	0.098085	2.106308	0.036639	0.367137
	-0.1898	-2.10866	0.036433	0.366437
	0.251518	2.110129	0.036304	0.365972

PARP15;CD86	0.245652	2.113822	0.035983	0.364624
	-0.33327	-2.10702	0.036576	0.366946
	-0.15636	-2.10805	0.036486	0.366603
	0.186035	2.116649	0.035738	0.364014
	0.220771	2.112961	0.036057	0.365002
	-0.19026	-2.10892	0.036409	0.366363
	0.233551	2.111424	0.036191	0.365551
PURG;TUBBP1;RBPMS;GTF2E2	-0.29629	-2.10787	0.036502	0.366648
	0.688242	2.110977	0.03623	0.365684
IL18R1;RFX8	0.369232	2.111758	0.036162	0.365403
	0.263859	2.111874	0.036152	0.365389
	-0.16723	-2.11011	0.036305	0.365972
	0.22616	2.104952	0.036759	0.36754
	0.183976	2.109614	0.036349	0.366127
MDGA1	0.332803	2.112975	0.036056	0.365002
GNA12;PSMG3	-0.22153	-2.10937	0.03637	0.366169
	0.101245	2.104181	0.036827	0.367756
	-0.26697	-2.10936	0.036371	0.366169
CLDN7;MPDU1;TRAPPC1;ATP1B2	0.311122	2.111647	0.036172	0.365432
	-0.31429	-2.10789	0.0365	0.366648
	0.179127	2.10014	0.037185	0.368975
CRTC3;FES;CIB1;UNC45A;FURIN;MAN2A2;ENSG00000258551	-0.23989	-2.1109	0.036237	0.365717
	0.138796	2.105711	0.036692	0.367313
	0.160245	2.114488	0.035925	0.364503
	0.191961	2.100221	0.037178	0.368974
	-0.13897	-2.10976	0.036337	0.366095
	0.257814	2.109815	0.036331	0.366078
PCDHB16	0.224504	2.109137	0.036391	0.366286
CKAP4	0.207591	2.113156	0.03604	0.364909
	0.170403	2.096016	0.037555	0.370404
	-0.14848	-2.10686	0.03659	0.367016
	0.189773	2.104293	0.036817	0.367726
ENSG00000253773;ENSG00000253872;CPQ	-0.26105	-2.1058	0.036684	0.367264
	-0.22492	-2.11003	0.036312	0.365985
	0.294461	2.110316	0.036288	0.36595
	-0.16159	-2.10615	0.036653	0.367137
	0.170897	2.106159	0.036652	0.367137
MSLN;TMEM204;HN1L;MSLNL;TPSD1	-0.28312	-2.1119	0.036149	0.365389
BECN1;CNTNAP1;TUBG2;NT5C3B;DHX58;PTRF;ACLY;RAMP2;FKBP10;PLEKHH3;STAT3;RAMP2-AS1;TTC25;KRT23;ATP6V0A1;AOC3	-0.32051	-2.11138	0.036195	0.365551
CAPN2	0.189041	2.109663	0.036345	0.366105
	-0.13261	-2.10543	0.036716	0.36745
ZMYND10;SEMA3B	0.183887	2.10487	0.036766	0.367595
KIF1B;PGD;RBP7	0.216668	2.111133	0.036216	0.36561
ZNF135	-0.26623	-2.10495	0.036758	0.36754

	0.326145	2.106084	0.036659	0.367137
	-0.1942	-2.10646	0.036625	0.367068
HERC1	-0.34818	-2.11272	0.036079	0.365084
	0.195548	2.109875	0.036326	0.366042
	-0.15371	-2.10836	0.036459	0.366565
	-0.22407	-2.10804	0.036487	0.366603
	0.135082	2.108991	0.036403	0.366355
	0.132296	2.109916	0.036323	0.366023
ARHGEF15;TNFSF12;MPDU1;NLGN2;MYH10;ATP1B2;CTC1;VA				
MP2;WRAP53;CYB5D1	-0.2788	-2.10976	0.036336	0.366095
ZNF221	0.360018	2.108811	0.036419	0.366376
	0.155284	2.110635	0.03626	0.36581
	0.184769	2.112886	0.036064	0.365034
PRR15L	0.207903	2.110202	0.036298	0.365953
	0.150089	2.110892	0.036237	0.365717
HLA-DOB	-0.1878	-2.10904	0.036399	0.366347
	-0.21145	-2.11376	0.035988	0.364624
	0.167852	2.105076	0.036748	0.367527
	0.230424	2.108287	0.036465	0.366596
ATXN2;ADAM1B	0.222952	2.097488	0.037423	0.369896
HMGN2	-0.23254	-2.10947	0.036362	0.36614
	-0.18561	-2.10289	0.036941	0.368171
	-0.14593	-2.10271	0.036957	0.368205
ESRP2;RLTPR	-0.22948	-2.11358	0.036004	0.364687
	0.310087	2.099984	0.037199	0.368999
	-0.16928	-2.11032	0.036287	0.36595
	0.193164	2.106501	0.036622	0.367064
	0.231094	2.111677	0.036169	0.365423
	-0.17287	-2.11127	0.036204	0.365551
	-0.23151	-2.11065	0.036259	0.36581
	0.191276	2.11019	0.036299	0.365954
	0.191871	2.107965	0.036493	0.366628
	-0.24988	-2.10992	0.036322	0.366023
	0.2872	2.109548	0.036355	0.36614
	-0.33319	-2.11124	0.036207	0.365551
TMEM59;TTC22	0.159802	2.112224	0.036121	0.365284
TMEM80	-0.20334	-2.10884	0.036416	0.366375
	-0.15709	-2.10649	0.036623	0.367064
	0.211603	2.109756	0.036337	0.366095
	0.124495	2.108426	0.036453	0.366543
	0.476184	2.112109	0.036131	0.365354
ANKRD35;PIAS3	0.301482	2.111768	0.036161	0.365403
	0.239026	2.109508	0.036358	0.36614
	0.220226	2.104044	0.036839	0.367807
	0.176492	2.107256	0.036556	0.36686
	0.21558	2.109347	0.036372	0.366169
	0.219485	2.107611	0.036524	0.366734

	0.254374	2.106674	0.036607	0.36705
TRIM27;TRIM39;SCAND3	0.220417	2.108198	0.036473	0.366603
SLC13A2;NOS2	-0.28889	-2.10851	0.036446	0.366519
TACC3;ZNF141;HAUS3	-0.27964	-2.10636	0.036634	0.367109
	0.178252	2.10817	0.036475	0.366603
PEAR1;MEF2D;SYT11;NES;ARHGEF2;SH2D2A;HDGF;ASH1L;RAB				
25;LRRC71;MTX1;ENSG00000223503;CCT3	-0.2764	-2.11053	0.036269	0.365865
ENSG00000267121;FMNL1	0.379902	2.112229	0.036121	0.365284
	0.218564	2.111126	0.036217	0.36561
	-0.28914	-2.10445	0.036803	0.367685
STXBP1;LCN2	-0.31118	-2.11126	0.036205	0.365551
C14orf2;HSP90AA1;EIF5;ENSG00000259508;EXOC3L4	-0.23714	-2.10781	0.036507	0.366673
	0.111184	2.102739	0.036954	0.368205
	-0.17061	-2.1082	0.036472	0.366603
	-0.18618	-2.11164	0.036172	0.365432
SPIRE2;CBFA2T3	0.313991	2.105035	0.036751	0.367527
	0.170737	2.10955	0.036355	0.36614
	-0.22643	-2.11135	0.036198	0.365551
NUTM2A-AS1	0.09928	2.103708	0.036868	0.367918
MEFV;MMP25;SLX4	-0.25124	-2.10508	0.036747	0.367527
	0.26929	2.104302	0.036816	0.367726
	0.202554	2.10969	0.036342	0.366105
	-0.27693	-2.1084	0.036455	0.366549
	-0.17984	-2.10519	0.036738	0.367527
	0.185636	2.102544	0.036972	0.368301
	0.182244	2.106728	0.036602	0.36705
	-0.28065	-2.11396	0.035971	0.364587
GRK5;GRK5-IT1	-0.35607	-2.10786	0.036503	0.366648
BAIAP3;IFT140;HN1L;HAGH;HS3ST6;ENSG00000263011;UBE2I;				
ENSG00000262370;PDPK1	-0.28539	-2.10719	0.036561	0.366873
	0.175771	2.11281	0.03607	0.365066
PTGDS;LCNL1;UAP1L1;GRIN1	0.360833	2.099762	0.037219	0.369106
	0.247268	2.108252	0.036468	0.366603
PDZD8	-0.30231	-2.10674	0.036601	0.36705
ENSG00000272462;CMAHP	0.287338	2.103304	0.036904	0.368067
	0.118982	2.10672	0.036603	0.36705
MYEOV2;PPP1R7;HDLBP	-0.23419	-2.11071	0.036253	0.365778
SOGA1	0.161905	2.104794	0.036773	0.367607
TUBG2	0.190534	2.107975	0.036492	0.366628
	0.174694	2.106086	0.036659	0.367137
	-0.32982	-2.11171	0.036166	0.365418
	0.266746	2.111131	0.036216	0.36561
	0.185999	2.110743	0.03625	0.365761
RPTOR;SECTM1;FSCN2;HEXDC;ENSG00000262877;ALYREF;ENS				
G00000268852;STRA13;ACTG1	0.157642	2.106769	0.036598	0.36705
ICOSLG	-0.15587	-2.09922	0.037268	0.369215
	0.17537	2.111341	0.036198	0.365551

	-0.16712	-2.10657	0.036616	0.367064
ANKH;TRIO	0.235563	2.109962	0.036319	0.366023
ELFN2;MFNG	-0.12537	-2.1068	0.036595	0.367036
	0.260706	2.1089	0.036411	0.366366
	0.233527	2.103751	0.036865	0.367918
	-0.21197	-2.10515	0.036741	0.367527
	0.137295	2.103805	0.03686	0.367918
	0.198869	2.110214	0.036297	0.365953
	-0.18704	-2.10796	0.036494	0.366628
	0.158389	2.10944	0.036364	0.36614
	0.167024	2.103737	0.036866	0.367918
	-0.38594	-2.1087	0.036429	0.366425
TBC1D10C;ADRBK1;PTPRCAP	0.236796	2.108994	0.036403	0.366355
	-0.20526	-2.10736	0.036547	0.366838
PTP4A3;ENSG00000271959	-0.34699	-2.10438	0.036809	0.367698
	0.138561	2.109029	0.0364	0.366347
	-0.23804	-2.11086	0.03624	0.365724
ENSG00000262979	-0.214	-2.11183	0.036155	0.365389
	0.198843	2.11051	0.036271	0.365871
	0.300881	2.099071	0.037281	0.369255
ZNF415	-0.24223	-2.10809	0.036483	0.366603
ICA1L	-0.28717	-2.10286	0.036944	0.368184
	-0.20678	-2.10736	0.036546	0.366838
	-0.28546	-2.10643	0.036628	0.367078
	0.270584	2.108531	0.036444	0.366519
	0.123755	2.109221	0.036383	0.366221
	0.249065	2.109939	0.036321	0.366023
ENSG00000260807;HN1L	-0.23017	-2.10722	0.036559	0.366871
	0.255971	2.106876	0.036589	0.367016
	0.207312	2.101394	0.037074	0.368606
	0.243558	2.106965	0.036581	0.366977
	0.251218	2.108922	0.036409	0.366363
SCARF1;TSR1	0.205991	2.107635	0.036522	0.366729
KIAA0232	0.191248	2.110491	0.036272	0.365876
	0.188124	2.108084	0.036483	0.366603
	0.280942	2.11029	0.03629	0.36595
FAM65A;RLTPR;ESRP2;CDH1;SNTB2;SLC12A4;ZDHHC1;DPEP2;G				
FOD2;ATP6V0D1;TPPP3	-0.34923	-2.10499	0.036755	0.367536
	0.223189	2.11125	0.036206	0.365551
CAMK2N1;PLA2G5;NBL1;MINOS1	0.268713	2.106136	0.036654	0.367137
	-0.16809	-2.1089	0.036411	0.366366
	0.211658	2.111249	0.036206	0.365551
	0.201175	2.109281	0.036378	0.3662
	0.222003	2.110854	0.036241	0.365724
ENSG00000205301	-0.34047	-2.10607	0.03666	0.367137
PWWP2B	-0.35058	-2.10804	0.036487	0.366603
CHSY1;CERS3	-0.26143	-2.11008	0.036308	0.365974

WDR61;PSMA4;DNAJA4;IDH3A	-0.32379	-2.10435	0.036812	0.367712
STEAP3;STEAP3-AS1;TMEM37	-0.30867	-2.11178	0.03616	0.365403
	0.313321	2.10978	0.036334	0.366095
	0.259934	2.106501	0.036622	0.367064
	-0.17274	-2.10811	0.03648	0.366603
RAB11FIP5;EXOC6B	0.217518	2.106175	0.036651	0.367137
ADAMTSL5	-0.26152	-2.1025	0.036976	0.368322
KIFC3	-0.1978	-2.10235	0.036989	0.368349
	-0.22505	-2.11005	0.03631	0.365985
HECTD1	-0.37771	-2.11028	0.03629	0.36595
ATXN3;TC2N;NDUFB1;GOLGA5;C14orf142	0.19159	2.107554	0.036529	0.366762
RHPN1-AS1;FAM83H-AS1;MAPK15;RHPN1;BAI1;ZNF623;TOP1MT;PYCRL;LY6H	-0.2754	-2.10774	0.036513	0.36669
	0.240408	2.110872	0.036239	0.365724
	0.274953	2.103112	0.036921	0.36814
	-0.16485	-2.10652	0.03662	0.367064
EDEM1	-0.28856	-2.10079	0.037128	0.368778
	-0.28129	-2.10445	0.036803	0.367685
	0.290099	2.102392	0.036985	0.36834
	-0.29777	-2.10825	0.036469	0.366603
DLL4;SPINT1;GPR176;C15orf52;RMDN3;ENSG00000261183;RHOV	-0.37003	-2.10802	0.036489	0.366603
	0.228227	2.103226	0.036911	0.368089
	-0.26863	-2.10255	0.036971	0.368301
COTL1;ENSG00000261471	0.309993	2.110613	0.036262	0.365815
	0.353155	2.080899	0.038935	0.375307
	-0.28044	-2.10504	0.036751	0.367527
	0.16821	2.104739	0.036777	0.367616
PDK1;ENSG00000225205	0.336865	2.110628	0.03626	0.36581
	0.078976	2.106488	0.036623	0.367064
	0.152551	2.109504	0.036359	0.36614
	0.274552	2.104788	0.036773	0.367607
	0.208962	2.112209	0.036123	0.365284
	0.18881	2.106066	0.03666	0.367137
	0.141358	2.10881	0.036419	0.366376
	0.142709	2.106229	0.036646	0.367137
	0.096091	2.100384	0.037164	0.3689
GSTP1;PELI3;CARNS1	0.209517	2.107461	0.036538	0.366816
	-0.41001	-2.11239	0.036107	0.365234
	-0.20922	-2.10961	0.036349	0.366127
APOL3;IL2RB;APOL2;CSF2RB;APOL6;APOL1	0.361619	2.11054	0.036268	0.365865
	0.254597	2.107043	0.036574	0.366934
	-0.22611	-2.10948	0.036361	0.36614
WDR45B;BAIAP2;PCYT2;NOTUM;SLC25A10	-0.30088	-2.10395	0.036847	0.367845
TSPAN4	-0.31869	-2.10368	0.036871	0.367918
ENSG00000269887	0.256307	2.103794	0.036861	0.367918
	-0.20517	-2.10685	0.036591	0.367016

	-0.23332	-2.10879	0.036421	0.366377
	0.26042	2.101787	0.037039	0.368515
GNG7;ZNF57;MOB3A;HMHA1	-0.36084	-2.10883	0.036417	0.366375
	0.231675	2.101321	0.03708	0.368606
GPR114;HERPUD1;POLR2C;CX3CL1	0.276912	2.101018	0.037107	0.368723
	0.233407	2.109904	0.036324	0.366025
	0.224931	2.106171	0.036651	0.367137
	0.113588	2.106995	0.036579	0.366959
	-0.17991	-2.10307	0.036925	0.36814
	-0.13677	-2.10194	0.037026	0.368478
	0.109943	2.105948	0.036671	0.367177
UACA	-0.27135	-2.10668	0.036606	0.36705
CD6;MS4A1	0.156372	2.108425	0.036453	0.366543
	0.164612	2.105955	0.03667	0.367177
	-0.31126	-2.10922	0.036383	0.366221
	-0.18688	-2.10513	0.036743	0.367527
	-0.18543	-2.10165	0.037051	0.368577
	0.217735	2.105578	0.036703	0.367366
	-0.29271	-2.10281	0.036948	0.368185
	0.277786	2.109703	0.036341	0.366105
	-0.28607	-2.10725	0.036556	0.36686
	-0.22907	-2.10409	0.036835	0.367791
	0.212435	2.111226	0.036208	0.365552
	0.172182	2.106271	0.036642	0.367137
C6orf52;SYCP2L;TMEM14B;NEDD9;MAK	0.366083	2.104485	0.0368	0.367685
	0.131592	2.100841	0.037123	0.368775
	-0.1605	-2.10738	0.036545	0.366838
	0.16883	2.100814	0.037125	0.368778
CREBBP;MGRN1	-0.28992	-2.10729	0.036553	0.36686
FAM216B	-0.28048	-2.09959	0.037234	0.369111
	-0.11828	-2.10728	0.036553	0.36686
SFMBT2;ITIH5	-0.2314	-2.10241	0.036983	0.36834
TTC21B-AS1;TTC21B;ENSG00000235192;ENSG00000229195	0.098434	2.094177	0.03772	0.37104
	-0.15635	-2.10226	0.036997	0.368361
	0.239195	2.108027	0.036488	0.366603
	-0.19889	-2.10205	0.037016	0.368434
	0.202493	2.109523	0.036357	0.36614
	0.230793	2.101377	0.037075	0.368606
	0.145551	2.108584	0.036439	0.366481
STK33;C11orf16;TUB;AKIP1;ENSG00000252778;WEE1;DENND5				
A;ENSG00000248332;SBF2	-0.30417	-2.09923	0.037266	0.369214
GGT5;SUSD2	-0.49646	-2.10666	0.036608	0.36705
	0.203696	2.103393	0.036896	0.368014
	0.294331	2.109483	0.03636	0.36614
	0.17003	2.101775	0.03704	0.368517
	0.303797	2.106711	0.036603	0.36705

CRY2	-0.29244	-2.10805	0.036486	0.366603
	0.186058	2.10718	0.036562	0.366873
	0.177916	2.104227	0.036823	0.36775
	-0.26749	-2.10587	0.036678	0.367221
	0.159719	2.107856	0.036503	0.366648
PIGR;RASSF5;FAIM3	-0.32802	-2.10503	0.036752	0.367527
	-0.18929	-2.10444	0.036803	0.367685
RASL12;SNX1;RBPMS2;IGDCC4	-0.24137	-2.10483	0.03677	0.367607
	0.130845	2.105056	0.036749	0.367527
ENSG00000205890;CREBBP;CLUAP1;HCFC1R1;ENSG00000262				
370;CCDC64B;PAQR4;PDPK1	-0.19384	-2.10927	0.036379	0.3662
	-0.18202	-2.10554	0.036706	0.367379
	0.222232	2.107722	0.036515	0.366697
	0.123619	2.101047	0.037105	0.368711
ENSG00000227775;ENSG00000268575	0.202822	2.101214	0.03709	0.368645
	-0.21512	-2.09942	0.03725	0.369145
	0.244234	2.106017	0.036665	0.367137
	-0.26087	-2.10649	0.036623	0.367064
	-0.34193	-2.10763	0.036523	0.366729
	0.263299	2.106093	0.036658	0.367137
	-0.22829	-2.09798	0.037378	0.369698
WISP1;NDRG1	-0.30744	-2.10604	0.036663	0.367137
FRMD4A;ITGA8;FAM107B;DCLRE1C;ACBD7	-0.34107	-2.10452	0.036797	0.367685
MOCOS	0.264683	2.108628	0.036435	0.36645
	-0.23375	-2.10691	0.036586	0.367005
FLI1;ARHGAP32;TMEM45B;SENCR;ETS1;TP53AIP1	-0.27129	-2.10474	0.036777	0.367616
	-0.16755	-2.10489	0.036764	0.367586
CLPTM1L;SDHA;SDHAP3	0.156052	2.107754	0.036512	0.366686
	0.177103	2.10908	0.036396	0.366319
	-0.17078	-2.10525	0.036733	0.367527
FCHSD2;RELT	-0.30839	-2.10148	0.037066	0.368606
	0.186741	2.105504	0.03671	0.367405
PPIE	-0.22407	-2.09639	0.037521	0.370289
	0.194321	2.108304	0.036464	0.366596
ENSG00000272323	-0.39377	-2.10568	0.036695	0.367325
	0.146501	2.097696	0.037404	0.369873
RPRD2;HIST2H4B	-0.21397	-2.10508	0.036747	0.367527
	0.163151	2.098878	0.037298	0.369255
	0.330793	2.107211	0.03656	0.366871
MEGF6;TP73-AS1;PRDM16	0.212688	2.10937	0.03637	0.366169
	-0.20611	-2.10437	0.03681	0.367705
	0.268171	2.105737	0.036689	0.367303
EBF3	0.242268	2.105295	0.036728	0.367512
	-0.3709	-2.10537	0.036721	0.367468
	0.216848	2.101961	0.037023	0.368464
	0.25017	2.104642	0.036786	0.367639
AHCYL2;COPG2	-0.27682	-2.10562	0.0367	0.367345

	-0.24147	-2.10793	0.036496	0.366638
	0.238476	2.102179	0.037004	0.368408
	0.236825	2.10016	0.037184	0.368975
	0.199161	2.108133	0.036479	0.366603
	0.154594	2.103028	0.036929	0.368147
AIF1L;FAM78A	-0.22223	-2.10601	0.036665	0.367137
	0.243177	2.109093	0.036395	0.366317
	0.336452	2.104479	0.0368	0.367685
	0.185684	2.10561	0.0367	0.367346
ZNF280B	0.17726	2.108084	0.036483	0.366603
	0.214653	2.107676	0.036519	0.366712
	-0.29673	-2.10181	0.037037	0.368507
CD93	-0.24936	-2.10133	0.037079	0.368606
	0.280202	2.10354	0.036883	0.367918
RARRES3;POLR2G	-0.2585	-2.10648	0.036624	0.367064
CD34;PFKFB2	-0.25333	-2.10225	0.036998	0.368365
	-0.23724	-2.09783	0.037392	0.369788
	-0.22437	-2.10509	0.036747	0.367527
	-0.26572	-2.10776	0.036511	0.366686
EFEMP2	-0.25144	-2.10306	0.036926	0.36814
	0.14603	2.107916	0.036498	0.366638
	0.230069	2.107687	0.036518	0.36671
	0.164312	2.100866	0.037121	0.368772
	-0.3152	-2.1064	0.036631	0.367087
PVRL4;F11R;MPZ;SDHC;TSTD1;ADAMTS4;UFC1;ENSG00000213				
080;ATP1A2;KLHDC9;C1orf192;NIT1	-0.25599	-2.10293	0.036938	0.368171
	0.14101	2.093859	0.037749	0.371162
	0.196272	2.104294	0.036817	0.367726
	-0.24906	-2.10755	0.03653	0.366762
	-0.27038	-2.10496	0.036758	0.36754
PGD	-0.28884	-2.09764	0.037409	0.369873
DERL2	0.310822	2.106265	0.036643	0.367137
	0.157701	2.100278	0.037173	0.368949
	0.213149	2.103717	0.036868	0.367918
	0.236025	2.106357	0.036635	0.367109
	0.147001	2.1068	0.036596	0.367036
	-0.25397	-2.10777	0.036511	0.366686
	-0.18889	-2.10464	0.036787	0.367639
ENSG00000243004	0.260229	2.106483	0.036624	0.367064
IGKV4-1	-0.17437	-2.10547	0.036713	0.367427
SDK2;SSTR2	-0.23634	-2.10373	0.036867	0.367918
SLC15A3	-0.1887	-2.10371	0.036869	0.367918
	-0.17462	-2.10838	0.036457	0.366561
C12orf54	-0.16835	-2.10094	0.037114	0.368756
	-0.1971	-2.10818	0.036475	0.366603
	-0.14749	-2.10684	0.036592	0.367019
ENSG00000262601;FAM92B;FENDRR	-0.2558	-2.10738	0.036545	0.366838

SAMD15;NOXRED1;CIPC;POMT2;AHSA1;SPTLC2;TMED8;ENSG0				
0000258819	-0.30145	-2.10593	0.036673	0.367182
	-0.13755	-2.10843	0.036453	0.366543
PM20D1;RAB7L1	-1.1372	-2.10181	0.037037	0.368507
	-0.11813	-2.09997	0.037201	0.368999
	0.207669	2.105129	0.036743	0.367527
LYST;ACTN2;RYR2;NID1	-0.29668	-2.10571	0.036692	0.367313
	-0.21977	-2.10255	0.036971	0.368301
	0.171708	2.107867	0.036502	0.366648
RTN4IP1;ATG5;C6orf203	-0.26676	-2.10271	0.036957	0.368205
	-0.22091	-2.10419	0.036826	0.367756
PRKAR1B;GPR146;FAM20C;ENSG00000242474;ENSG00000240				
859;GPER1;ENSG00000249852	-0.20536	-2.10074	0.037132	0.368778
CYP4Z2P	-0.17793	-2.10818	0.036475	0.366603
	-0.21177	-2.10523	0.036734	0.367527
	0.231322	2.09174	0.037941	0.371827
	-0.2394	-2.10047	0.037156	0.368873
	-0.22171	-2.10273	0.036956	0.368205
TACC3	0.19155	2.104203	0.036825	0.367756
	0.179925	2.106012	0.036665	0.367137
	0.227003	2.108014	0.036489	0.366603
LINC00342;ANKRD36C;FAHD2A	-0.11475	-2.10505	0.03675	0.367527
	-0.30713	-2.10504	0.036751	0.367527
	0.265772	2.102909	0.036939	0.368171
	0.176435	2.100833	0.037124	0.368775
ENSG00000247311;ENSG00000250803	0.213307	2.103857	0.036855	0.367918
	-0.26969	-2.10105	0.037105	0.368711
	0.215037	2.105148	0.036741	0.367527
	0.273264	2.107588	0.036526	0.366747
	-0.17413	-2.10408	0.036836	0.367791
	0.240169	2.10688	0.036589	0.367016
	0.242204	2.108399	0.036455	0.366549
	0.279879	2.105802	0.036684	0.367264
	0.123988	2.099944	0.037203	0.369013
AKR7A2;KLHDC7A;IFFO2	-0.40509	-2.10485	0.036767	0.3676
GALNS	-0.15249	-2.10087	0.037121	0.368772
	-0.23302	-2.10619	0.036649	0.367137
	0.106278	2.101405	0.037073	0.368606
	-0.20356	-2.10846	0.03645	0.366542
	-0.19837	-2.1047	0.036781	0.367627
	0.294511	2.104142	0.03683	0.367766
	0.149011	2.104235	0.036822	0.36775
	-0.1606	-2.10363	0.036876	0.367918
	0.221739	2.105025	0.036752	0.367527
	-0.23714	-2.10649	0.036623	0.367064
	0.274887	2.106659	0.036608	0.36705
	0.319264	2.105395	0.036719	0.367467

	0.26543	2.098605	0.037322	0.369374
	0.170502	2.1042	0.036825	0.367756
TBKBP1;ENSG00000239291	0.182915	2.10294	0.036937	0.368171
	-0.27267	-2.10767	0.03652	0.366712
COL5A1;ADAMTSL2;GTF3C5	0.285782	2.106672	0.036607	0.36705
	0.274049	2.10361	0.036877	0.367918
	0.215622	2.098947	0.037292	0.369255
	-0.22812	-2.103	0.036932	0.368159
FABP6;ENSG00000247699;C5orf54;PTTG1;ATP10B	-0.15982	-2.0945	0.037691	0.370937
	-0.18766	-2.09943	0.037249	0.369145
	0.156953	2.103682	0.036871	0.367918
GRHL2;YWHAZ	-0.28933	-2.10308	0.036924	0.36814
	-0.20119	-2.10814	0.036478	0.366603
	0.259015	2.1043	0.036816	0.367726
MEOX1;GJC1;GPATCH8	0.182976	2.105923	0.036673	0.367182
	-0.20805	-2.10214	0.037008	0.368425
ING2	-0.30791	-2.10231	0.036992	0.368349
	0.284178	2.103768	0.036863	0.367918
	0.201841	2.108016	0.036489	0.366603
	0.187556	2.096504	0.037511	0.370272
	-0.2807	-2.10274	0.036954	0.368205
CALM2;ENSG00000260977	0.241468	2.106052	0.036661	0.367137
	0.197717	2.105071	0.036748	0.367527
	-0.25651	-2.10744	0.03654	0.366819
LYPLA1	-0.26109	-2.09937	0.037254	0.369155
	0.159984	2.100589	0.037145	0.368854
	0.195864	2.103982	0.036844	0.367829
	0.185607	2.10073	0.037133	0.368778
	-0.16493	-2.10034	0.037168	0.368923
	0.261418	2.100043	0.037194	0.368999
	-0.17618	-2.09652	0.037509	0.370269
	0.30618	2.100173	0.037183	0.368974
	0.158798	2.094023	0.037734	0.371151
	-0.16345	-2.10381	0.036859	0.367918
	0.319429	2.106123	0.036655	0.367137
	-0.2462	-2.10445	0.036803	0.367685
	0.249774	2.0982	0.037359	0.369565
	-0.17648	-2.1047	0.036781	0.367627
PPP2R5D;NFKBIE	0.123635	2.099631	0.037231	0.369111
PFKFB2;FAIM3;CD34;DYRK3;SRGAP2;C1orf186	0.341782	2.107781	0.03651	0.366686
	0.382401	2.107133	0.036566	0.366887
RER1;MEGF6;PRDM16;TP73-AS1;ENSG00000272235;PANK4;LINC00982;ENSG00000225931	0.24352	2.103576	0.03688	0.367918
	0.236798	2.099524	0.03724	0.36912
	0.308838	2.096008	0.037555	0.370404
	0.211511	2.103095	0.036923	0.36814

	0.176519	2.102189	0.037003	0.368408
	0.223718	2.103066	0.036925	0.36814
	0.28772	2.101316	0.037081	0.368606
	0.233522	2.103807	0.03686	0.367918
AAMDC	0.266212	2.101161	0.037095	0.368668
	0.253563	2.103578	0.03688	0.367918
ADSSL1;C14orf79;TMEM121;CRIP2	-0.45028	-2.10359	0.036879	0.367918
MIPOL1	-0.33299	-2.10729	0.036552	0.36686
BBS9;DPY19L1P1;DPY19L1P2	0.198975	2.09753	0.037419	0.369892
MTR;RYR2;ACTN2	-0.18588	-2.10676	0.0366	0.36705
WDR45B;PCYT2;NOTUM	-0.41459	-2.10139	0.037074	0.368606
	-0.14712	-2.10243	0.036982	0.36834
CACNA1A	-0.14886	-2.10771	0.036516	0.366698
	0.192668	2.101052	0.037104	0.368711
	-0.15739	-2.10483	0.036769	0.367607
	0.981563	2.080589	0.038964	0.375402
	-0.21339	-2.10534	0.036725	0.367493
ECHS1;ADAM8	-0.25837	-2.09645	0.037515	0.370282
	-0.32003	-2.10517	0.036739	0.367527
	-0.23814	-2.1011	0.0371	0.368703
	-0.14497	-2.09743	0.037428	0.369925
	0.142029	2.101731	0.037044	0.368548
	0.241087	2.101693	0.037047	0.368564
	0.222284	2.10229	0.036994	0.368349
	0.276652	2.103556	0.036882	0.367918
	0.303712	2.107106	0.036569	0.366887
	0.204597	2.098469	0.037335	0.369403
	0.315454	2.105145	0.036742	0.367527
ARL15	0.285912	2.099929	0.037204	0.369018
	-0.16455	-2.10457	0.036792	0.367671
	0.316789	2.103767	0.036863	0.367918
LZTFL1;KIF9-AS1;PTH1R;SETD2;TMEM158;SLC6A20	-0.35372	-2.10443	0.036804	0.367685
SCARF1;MYO1C;ENSG00000262777;INPP5K;SERPINF2;HIC1;YWHAE	-0.23888	-2.10207	0.037014	0.368427
	0.258814	2.09762	0.037411	0.369873
FUOM	-0.23531	-2.10245	0.03698	0.368337
LIPH;CHRD;C3orf70;MAP3K13;ABCC5;EHHADH;POLR2H;PSMD2;ENSG00000273181	-0.27563	-2.09913	0.037276	0.369242
	-0.15566	-2.0992	0.03727	0.369215
HCP5	0.211077	2.106614	0.036612	0.367063
	0.203172	2.10088	0.037119	0.368772
	0.180413	2.101806	0.037037	0.368507
CAPN2;BROX;SUSD4	-0.31367	-2.09602	0.037554	0.370404
	0.291329	2.104073	0.036836	0.367791
	0.12673	2.106604	0.036613	0.367063
POLR3K	0.228673	2.098039	0.037373	0.369656
	0.139651	2.100024	0.037196	0.368999

	0.212207	2.105667	0.036695	0.367325
IRF8	0.198504	2.106449	0.036627	0.36707
	-0.29144	-2.10603	0.036663	0.367137
	-0.18475	-2.10284	0.036945	0.368185
	-0.16871	-2.10495	0.036758	0.36754
	-0.24628	-2.10565	0.036697	0.367325
GYPC	-0.37617	-2.10156	0.037059	0.368606
	0.275252	2.096403	0.03752	0.370289
	-0.18668	-2.10121	0.03709	0.368645
	0.17922	2.100919	0.037116	0.368759
	-0.18853	-2.10467	0.036783	0.367638
	-0.16945	-2.10449	0.036799	0.367685
	-0.29968	-2.10399	0.036844	0.367829
	-0.20631	-2.1046	0.03679	0.367662
	-0.29856	-2.09879	0.037306	0.369296
	-0.25923	-2.10136	0.037077	0.368606
	0.25163	2.103182	0.036915	0.368106
MT1X;ENSG00000261302	-0.27829	-2.10811	0.036481	0.366603
	-0.12881	-2.10158	0.037057	0.368604
	0.223576	2.103749	0.036865	0.367918
FAM60A;DENND5B	-0.25679	-2.09947	0.037245	0.369143
	-0.21823	-2.10606	0.036661	0.367137
GALK2;FAM227B;SLC27A2	-0.25831	-2.10524	0.036733	0.367527
	0.246591	2.104773	0.036774	0.367612
	-0.10222	-2.10245	0.03698	0.368337
	0.166406	2.101358	0.037077	0.368606
	0.228004	2.098764	0.037308	0.369296
	0.237821	2.10652	0.03662	0.367064
	-0.38762	-2.10426	0.03682	0.367737
	0.245173	2.099065	0.037281	0.369255
	0.284632	2.103546	0.036883	0.367918
AFAP1L2;TRUB1;CASP7	-0.26329	-2.09691	0.037475	0.370052
GPR146	-0.21541	-2.10374	0.036866	0.367918
	-0.20324	-2.10352	0.036885	0.367927
EGLN1	-0.25832	-2.10506	0.036749	0.367527
	0.283193	2.106184	0.03665	0.367137
ENTPD7;CHUK;SFXN3	-0.31047	-2.10441	0.036806	0.367685
FCHO1;JAK3;IL12RB1;MAST3;FAM129C;ENSG00000254503	-0.35009	-2.10659	0.036614	0.367064
	0.264188	2.097164	0.037452	0.370013
SKP1P1	-0.28665	-2.10537	0.036721	0.367468
	0.157791	2.102896	0.03694	0.368171
	-0.28711	-2.10401	0.036842	0.367824
	0.277239	2.102746	0.036954	0.368205
	0.157174	2.099978	0.0372	0.368999
	-0.24282	-2.10072	0.037133	0.368778
	0.144242	2.103667	0.036872	0.367918

ADSS;C1orf101	0.145919	2.102688	0.036959	0.368216
	-0.19966	-2.10151	0.037063	0.368606
	-0.20171	-2.09617	0.037541	0.370344
	-0.20256	-2.10018	0.037182	0.368974
	-0.48878	-2.09928	0.037262	0.369205
FLI1;ARHGAP32;ETS1;TMEM45B;TP53AIP1;SENCR	-0.34299	-2.10184	0.037034	0.368507
MIIP	-0.24989	-2.10686	0.03659	0.367016
	0.353497	2.103032	0.036928	0.368147
	0.144077	2.101532	0.037062	0.368606
	-0.17219	-2.10473	0.036778	0.367616
TMEM131;FAM178B;LMAN2L	-0.24951	-2.10627	0.036643	0.367137
CRMP1	-0.15842	-2.09829	0.037351	0.369539
TPPP;PDCD6;TRIP13;NKD2;AHRR;ZDHHC11B	0.18917	2.098746	0.03731	0.369303
	-0.14391	-2.09581	0.037574	0.370463
	-0.28176	-2.09889	0.037297	0.369255
USO1;SDAD1	0.206812	2.105182	0.036738	0.367527
	0.239703	2.097385	0.037432	0.369933
WDR45B;TBCD;ENSG00000262652	-0.34921	-2.09693	0.037472	0.370052
	0.228644	2.102885	0.036941	0.368171
	-0.14221	-2.09949	0.037243	0.369141
	0.19695	2.101355	0.037077	0.368606
	0.146023	2.103086	0.036924	0.36814
	0.185242	2.101329	0.03708	0.368606
	0.140167	2.099647	0.037229	0.369111
	-0.21903	-2.10481	0.036771	0.367607
	-0.28021	-2.10324	0.03691	0.368087
	-0.17024	-2.1002	0.03718	0.368974
	0.477231	2.095573	0.037595	0.370521
MCM5;MB;MPST	-0.21362	-2.10198	0.037022	0.368464
	-0.15372	-2.09944	0.037248	0.369145
	0.172675	2.106165	0.036652	0.367137
	0.161744	2.097497	0.037422	0.369896
	-0.21832	-2.10172	0.037045	0.368551
	0.260528	2.100954	0.037113	0.368756
	0.216549	2.104576	0.036792	0.367671
FAM201A	-0.32517	-2.10372	0.036868	0.367918
MEOX1;GJC1;GPATCH8;EFTUD2;ENSG00000267505;ACBD4;HE				
XIM1;MPP2	-0.35009	-2.09756	0.037416	0.369892
AGAP2;MARS	-0.28434	-2.09945	0.037247	0.369145
TUBGCP2;KNDC1;INPP5A;LRRC27;PWWP2B;TTC40;STK32C;ECH				
S1	-0.16832	-2.10182	0.037036	0.368507
ACACB;PWP1;ENSG00000256139	0.206178	2.099777	0.037218	0.369101
	-0.12224	-2.10142	0.037071	0.368606
THYN1;IGSF9B	0.207783	2.101861	0.037032	0.368507
BAI1;DENND3	-0.24039	-2.09969	0.037225	0.369111
	0.160829	2.099748	0.03722	0.36911
ENSG00000226891	-0.25003	-2.10319	0.036915	0.368106

	-0.19661	-2.1025	0.036975	0.368322
	0.255978	2.100885	0.037119	0.368772
	-0.17886	-2.10341	0.036895	0.368005
	0.234572	2.102098	0.037011	0.368427
	-0.17453	-2.10404	0.036839	0.367807
	-0.41773	-2.09641	0.037519	0.370289
WNT9A;HIST3H2A;RHOU	-0.33697	-2.10328	0.036906	0.368069
	0.225985	2.099403	0.037251	0.36915
	-0.16645	-2.09623	0.037536	0.370344
	0.186595	2.104761	0.036775	0.367614
METRN	0.163616	2.098895	0.037297	0.369255
CCDC7	0.287487	2.103103	0.036922	0.36814
GIMAP7;GIMAP5;GIMAP2;GIMAP6;GIMAP4;GIMAP1;GIMAP8;				
NUB1	-0.16717	-2.10322	0.036912	0.368089
	-0.33049	-2.10161	0.037055	0.368586
	-0.19443	-2.0908	0.038027	0.372217
	0.153963	2.096897	0.037476	0.370052
	0.257891	2.100396	0.037163	0.3689
	0.179023	2.101066	0.037103	0.368711
	-0.16069	-2.0989	0.037296	0.369255
	-0.32836	-2.10059	0.037145	0.368854
	0.166134	2.101518	0.037063	0.368606
PNPT1	-0.18842	-2.10104	0.037105	0.368711
DDX23;MCRS1;FMNL3;COX14	-0.29271	-2.10566	0.036696	0.367325
CSF1;SLC25A24;SYPL2;PSMA5;CLCC1;WDR47	-0.36284	-2.10274	0.036954	0.368205
PDE4B	0.413123	2.095206	0.037628	0.370654
MOB3A;ZNF57;GNG7;S1PR4;ATP8B3	-0.28711	-2.10442	0.036805	0.367685
CD8A;CD8B	0.353764	2.105041	0.036751	0.367527
	0.247972	2.102383	0.036986	0.36834
TRGC1	0.240995	2.095916	0.037564	0.370426
METTL13;DNM3	0.279908	2.098884	0.037298	0.369255
	-0.21623	-2.10162	0.037053	0.368586
	0.234364	2.100536	0.03715	0.368873
	-0.18006	-2.10232	0.036992	0.368349
RBL1;EPB41L1;SLA2	0.189856	2.100348	0.037167	0.368921
CCDC13-AS1;CCDC13;HHATL-AS1;TRAK1	0.383973	2.103746	0.036865	0.367918
TM4SF18;TSC22D2;ENSG00000198843;SERP1;PFN2;CP	-0.27622	-2.10281	0.036948	0.368185
	-0.2832	-2.10442	0.036805	0.367685
	0.201935	2.098963	0.037291	0.369255
WFDC2;DNTTIP1;SNX21;RIMS4;TP53RK;PIGT;SDC4	-0.27054	-2.10292	0.036939	0.368171
	0.139736	2.103256	0.036908	0.368083
ANTXRLP1	0.275011	2.102363	0.036988	0.368349
UQCRFS1	-0.31959	-2.09754	0.037418	0.369892
	-0.12463	-2.1	0.037198	0.368999
TMEM181;TAGAP;SOD2	-0.26305	-2.10356	0.036881	0.367918
INTS4L2	0.416726	2.10409	0.036835	0.367791
	0.099118	2.098819	0.037303	0.36929

	-0.12537	-2.09659	0.037503	0.370238
	-0.14212	-2.09932	0.037259	0.36918
CYP2W1	-0.20656	-2.10019	0.037181	0.368974
	0.196457	2.104481	0.0368	0.367685
	0.267138	2.100484	0.037155	0.368873
ZFP3;ASPA;SPNS2;TRPV3;CYB5D2;PLD2;ALOX15;KIF1C;SPAG7;P2RX1;CAMTA2;ZNF232	-0.22279	-2.10355	0.036883	0.367918
	-0.2402	-2.09958	0.037235	0.369111
	-0.22516	-2.09691	0.037474	0.370052
	0.163013	2.097839	0.037391	0.369788
	-0.14308	-2.10081	0.037126	0.368778
SHANK2;ANO1	0.361032	2.100183	0.037182	0.368974
	-0.19727	-2.09664	0.037499	0.370203
SFMBT2;ITIH5	-0.34424	-2.10196	0.037023	0.368464
CDC42BPG;DNAJC4;NRXN2;CCDC88B;FERMT3	-0.29675	-2.10055	0.037149	0.368871
TRIM37	-0.3034	-2.10441	0.036806	0.367685
HOXB4;HOXB-AS2;NXPH3;COL1A1;CALCOCO2;FAM117A;MIR10A	0.202244	2.095667	0.037586	0.370504
ENSG00000267270	-0.37091	-2.09768	0.037406	0.369873
RPL3P2	-0.23624	-2.10143	0.03707	0.368606
	-0.21389	-2.09959	0.037235	0.369111
LINC00338	-0.12515	-2.09549	0.037602	0.370549
	0.239936	2.097187	0.03745	0.370009
	-0.28763	-2.10262	0.036965	0.368265
	0.269736	2.100188	0.037181	0.368974
GPRC5C	0.227476	2.103425	0.036894	0.368003
	0.180988	2.101158	0.037095	0.368668
	-0.29379	-2.09963	0.037231	0.369111
TBC1D24;ENSG00000260807;TPSB2;TPSAB1;METRN;CCNF	-0.27932	-2.09318	0.03781	0.371406
	0.194176	2.102116	0.03701	0.368425
	0.287057	2.10079	0.037128	0.368778
ACTR8	0.191823	2.100008	0.037197	0.368999
	0.225697	2.101336	0.037079	0.368606
WDR45B;C17orf62;TBCD	-0.20781	-2.1024	0.036984	0.36834
	0.247755	2.101234	0.037088	0.368645
TSPAN18;MAPK8IP1	0.337501	2.098505	0.037331	0.369403
	0.193384	2.103335	0.036901	0.368056
	0.168579	2.099713	0.037224	0.369111
ABI3;SKAP1;HOXB4;PRR15L;HOXB-AS2;NXPH3;NPEPPS;HOXB3;TBKBP1	0.339647	2.100503	0.037153	0.368873
	-0.15879	-2.09691	0.037475	0.370052
	-0.35958	-2.1011	0.0371	0.368703
ANXA11;ZCCHC24;FAM213A;TMEM254	-0.18889	-2.10231	0.036993	0.368349
	-0.25902	-2.10138	0.037075	0.368606
	0.170088	2.103007	0.036931	0.368157
	0.113275	2.098767	0.037308	0.369296

	0.161863	2.099624	0.037231	0.369111
	-0.39927	-2.10165	0.037051	0.368577
ENSG00000235731	0.136777	2.101683	0.037048	0.368564
HCP5;LTB;GPSM3;HLA-DRA;HLA-B;HSPA1A	0.281332	2.105198	0.036737	0.367527
	-0.22498	-2.10256	0.03697	0.368301
	-0.09672	-2.09061	0.038043	0.37225
	0.164932	2.095721	0.037581	0.370497
ENSG00000228133;SCARF1	-0.19588	-2.10209	0.037012	0.368427
	0.234414	2.103552	0.036882	0.367918
	-0.18093	-2.09858	0.037325	0.369374
	-0.22059	-2.10293	0.036937	0.368171
C6orf211;PPP1R14C;IYD	0.230476	2.095097	0.037637	0.370654
	0.184154	2.102135	0.037008	0.368425
LY6G5C	0.208668	2.099541	0.037239	0.369114
INPP5D;EFHD1	0.143667	2.101876	0.037031	0.368507
	-0.32813	-2.09925	0.037265	0.369214
	-0.16723	-2.10283	0.036946	0.368185
SLC9A3;ENSG00000188242	0.273769	2.101888	0.03703	0.368507
	0.228837	2.098378	0.037343	0.369467
	-0.37029	-2.10306	0.036926	0.36814
	0.308674	2.10151	0.037063	0.368606
	0.163576	2.09745	0.037426	0.369912
	0.243961	2.100111	0.037188	0.368977
	0.140707	2.100278	0.037173	0.368949
	0.174871	2.102829	0.036946	0.368185
	0.182131	2.099043	0.037283	0.369255
	0.22347	2.102332	0.03699	0.368349
	-0.19067	-2.09889	0.037297	0.369255
	0.238759	2.100477	0.037155	0.368873
	0.227198	2.102076	0.037013	0.368427
	0.299271	2.097455	0.037425	0.369912
	-0.29195	-2.09764	0.037409	0.369873
	0.141425	2.1001	0.037189	0.368977
	-0.19141	-2.09817	0.037362	0.369586
ZNF667-AS1	0.21246	2.095652	0.037587	0.370504
	0.417576	2.098974	0.03729	0.369255
POMP;POLR1D	-0.31422	-2.10076	0.03713	0.368778
PIK3CD	0.269673	2.104145	0.03683	0.367766
	0.237654	2.099184	0.037271	0.369215
NOP56	0.182808	2.101482	0.037066	0.368606
	-0.16523	-2.10043	0.03716	0.368895
CCDC40	0.143038	2.097653	0.037408	0.369873
	0.244428	2.097108	0.037457	0.370013
	0.255434	2.094799	0.037664	0.370765
	0.198563	2.101378	0.037075	0.368606
ADAMTS2;ZNF354C;COL23A1;MAML1;RNF130	0.189902	2.099657	0.037229	0.369111
	0.25676	2.097273	0.037442	0.369983

GNA15;MEX3D	0.242131	2.096914	0.037474	0.370052
	0.188068	2.101826	0.037035	0.368507
	0.21444	2.10069	0.037136	0.368799
	0.119973	2.097231	0.037446	0.370002
	-0.15483	-2.10204	0.037017	0.368434
	0.105075	2.102004	0.03702	0.368452
	0.263732	2.098264	0.037353	0.369551
	-0.19779	-2.0946	0.037682	0.370879
	-0.18698	-2.09984	0.037213	0.369066
NME4;TMEM204;CACNA1H	-0.26851	-2.09895	0.037292	0.369255
	0.295677	2.09422	0.037717	0.371035
	0.310421	2.102112	0.03701	0.368425
ENSG00000231609	0.23662	2.100772	0.037129	0.368778
	0.246043	2.098685	0.037315	0.369332
	0.102215	2.096813	0.037483	0.370101
	-0.22419	-2.10249	0.036977	0.368324
	-0.24491	-2.10066	0.037139	0.368819
HERC2P9	-0.26795	-2.10273	0.036955	0.368205
RQCD1;TNS1;STK16;SPEG	0.161083	2.099368	0.037254	0.369155
SCARB1;GTF2H3;BRI3BP;FAM101A;ZNF664	-0.33431	-2.09861	0.037322	0.369374
	-0.20381	-2.09814	0.037364	0.369592
	0.177849	2.102392	0.036985	0.36834
	0.290865	2.09557	0.037595	0.370521
SLC45A1	-0.15529	-2.10077	0.037129	0.368778
JAGN1;SRGAP3;HRH1;ENSG00000206567;TATDN2	-0.26867	-2.09235	0.037885	0.371685
IFT80	-0.30898	-2.09857	0.037326	0.369374
GPR114;HERPUD1	-0.32582	-2.10161	0.037055	0.368586
	-0.24228	-2.08528	0.03853	0.373886
FASLG	0.340833	2.102414	0.036983	0.36834
	-0.19388	-2.10093	0.037115	0.368756
POLG	-0.30027	-2.10137	0.037076	0.368606
	-0.15728	-2.10183	0.037035	0.368507
	0.213791	2.096195	0.037539	0.370344
	0.295856	2.098899	0.037296	0.369255
TAP1;HLA-DOA;TAP2;HLA-DPB1;HLA-DMA;HLA-DMB;TAPBP;HLA-DRA;SYNGAP1;HLA-DPA1	0.304549	2.102034	0.037017	0.368434
	0.216973	2.094354	0.037704	0.370983
TBC1D8;IL1RL1;ENSG00000272902;IL1RL2;MAP4K4;RFX8;CNOT11	-0.2209	-2.09756	0.037416	0.369892
	0.183977	2.099986	0.037199	0.368999
	-0.23005	-2.09956	0.037237	0.369112
SLC5A7;CCDC138	0.30605	2.100933	0.037115	0.368756
	-0.16345	-2.09905	0.037282	0.369255
	0.161168	2.100558	0.037148	0.368871
LMOD1;LGR6;PPP1R12B;RNPEP;CSRP1;ELF3;IPO9;ENSG00000234678;UBE2T;C1orf106	-0.1756	-2.09334	0.037796	0.371349
B3GNT7;INPP5D;ATG16L1;NGEF	-0.27546	-2.09644	0.037517	0.370286

	0.175899	2.099623	0.037232	0.369111
CD6;CD5;MS4A1;MS4A7;TMEM132A;MS4A6A;MS4A8	-0.25865	-2.09721	0.037447	0.370002
RPS3AP34	-0.26566	-2.09698	0.037468	0.37005
KRIT1	-0.14818	-2.10048	0.037155	0.368873
	-0.17639	-2.09296	0.03783	0.371488
	0.243011	2.097623	0.03741	0.369873
	-0.28185	-2.1013	0.037082	0.368606
MEX3D	0.21292	2.100426	0.03716	0.368895
	0.174031	2.101296	0.037083	0.368606
	-0.11922	-2.09201	0.037917	0.371763
	-0.2024	-2.09519	0.037629	0.370654
NKTR;HIGD1A	-0.2658	-2.09869	0.037315	0.369332
	0.237079	2.096884	0.037477	0.370055
	-0.24393	-2.0962	0.037538	0.370344
	0.15027	2.096872	0.037478	0.370057
	0.354261	2.101386	0.037074	0.368606
	0.218298	2.10095	0.037113	0.368756
	-0.18751	-2.09757	0.037415	0.369892
	0.235221	2.10135	0.037078	0.368606
	-0.25791	-2.08931	0.038162	0.372645
	0.234668	2.098552	0.037327	0.369382
	0.25504	2.099825	0.037214	0.369068
	0.302217	2.097915	0.037384	0.36974
BAIAP2	-0.21017	-2.08871	0.038217	0.37287
	0.287674	2.100127	0.037187	0.368975
	-0.36286	-2.10048	0.037156	0.368873
	-0.17923	-2.0967	0.037493	0.370163
	0.209209	2.099209	0.037269	0.369215
	-0.22602	-2.09531	0.037618	0.370648
	-0.18916	-2.09196	0.037921	0.371763
	0.262434	2.096283	0.037531	0.370318
WNT5A	-0.27007	-2.08837	0.038247	0.372963
SLC7A5	0.168803	2.102903	0.03694	0.368171
	0.189179	2.098932	0.037293	0.369255
CBX2;TIMP2;C1QTNF1;ENSG00000267491;ENSG00000178404	-0.30728	-2.09335	0.037795	0.371349
	-0.21558	-2.09959	0.037234	0.369111
	0.224786	2.102127	0.037009	0.368425
	0.161578	2.099332	0.037258	0.369178
	-0.14183	-2.09967	0.037228	0.369111
	0.228988	2.093033	0.037824	0.371474
	0.175893	2.096522	0.037509	0.370269
	0.161596	2.100092	0.03719	0.368977
	0.214529	2.096977	0.037468	0.37005
FUOM;INPP5A	-0.20339	-2.09151	0.037961	0.3719
	0.283158	2.100417	0.037161	0.368895
	0.206346	2.098485	0.037333	0.369403

	0.216891	2.093826	0.037752	0.371166
	-0.17573	-2.09892	0.037295	0.369255
	-0.19062	-2.09821	0.037358	0.369565
	0.263303	2.10002	0.037196	0.368999
	0.274351	2.099187	0.037271	0.369215
	-0.16823	-2.09493	0.037653	0.37073
MTMR12;ADAMTS12	0.410161	2.093527	0.037779	0.371282
CXCR6	-0.26163	-2.09967	0.037228	0.369111
	0.259287	2.101207	0.03709	0.368645
	-0.24789	-2.10328	0.036906	0.368069
NME4;SOX8	-0.16683	-2.10049	0.037154	0.368873
	0.194483	2.095798	0.037574	0.370463
	-0.26771	-2.10145	0.037069	0.368606
RPS17L	-0.24727	-2.09474	0.037669	0.3708
IL10RA	-0.37046	-2.10084	0.037123	0.368775
SEMA6A	-0.20644	-2.08708	0.038366	0.373293
	0.245426	2.095277	0.037621	0.370648
	-0.29473	-2.10038	0.037164	0.3689
	0.20872	2.096269	0.037532	0.370318
PIGV;ATPIF1;HMGN2;FGR;SLC9A1;C1orf172;PPP1R8	-0.20446	-2.09384	0.03775	0.371162
	-0.24235	-2.09647	0.037513	0.370281
	0.288285	2.100124	0.037187	0.368975
	0.235015	2.092982	0.037828	0.371488
PPP1R18;HCP5;HLA-E;HLA-C;LTB;HLA-B;LST1;HSPA1A;MICB	-0.25008	-2.09894	0.037292	0.369255
	-0.19687	-2.10021	0.037179	0.368974
	-0.1653	-2.0958	0.037574	0.370463
	0.219783	2.095306	0.037619	0.370648
	0.29404	2.097966	0.03738	0.369703
	-0.19747	-2.09553	0.037598	0.37054
CDCP1;ZNF445;ZNF660;LARS2;TCAIM	-0.30747	-2.09764	0.037408	0.369873
	0.23267	2.092189	0.0379	0.371727
	0.148013	2.099137	0.037275	0.369242
	0.210294	2.092391	0.037882	0.371685
	-0.27996	-2.09676	0.037488	0.370132
	0.287504	2.099584	0.037235	0.369111
	-0.22629	-2.09901	0.037286	0.369255
	0.215321	2.098578	0.037325	0.369374
	-0.21863	-2.09483	0.037662	0.370765
ABCB10	-0.16228	-2.10062	0.037142	0.36884
FAM131B;TMEM139	-0.31305	-2.0957	0.037583	0.370497
NCKAP1L;ITGA5;ITGB7;KRT4	0.264769	2.096928	0.037473	0.370052
	-0.17108	-2.09214	0.037905	0.371736
	0.285837	2.09859	0.037324	0.369374
	0.199024	2.089633	0.038132	0.372545
	0.288868	2.09892	0.037294	0.369255
FEM1B	-0.19291	-2.09986	0.03721	0.369059

RPS15AP6	0.329349	2.097028	0.037464	0.370047
	0.24107	2.093923	0.037743	0.37116
ARHGEF1;CEACAM21;ENSG00000268027;POU2F2	-0.3255	-2.09985	0.037211	0.369063
	-0.18564	-2.09491	0.037654	0.37073
CDH1;ESRP2;NQO1;SNTB2;SMPD3	-0.30318	-2.09997	0.0372	0.368999
	-0.17342	-2.0956	0.037592	0.370521
	0.324519	2.098928	0.037294	0.369255
	0.147669	2.095085	0.037639	0.370654
	-0.19344	-2.09385	0.03775	0.371162
	0.285804	2.09773	0.037401	0.369853
SRC;TLDC2	-0.21079	-2.09236	0.037885	0.371685
	-0.2737	-2.09714	0.037454	0.370013
ENSG00000258702;BDKRB2;PAPOLA;AK7;GSKIP;BDKRB1	0.253606	2.100311	0.03717	0.368937
	-0.15095	-2.09785	0.03739	0.369788
	0.216463	2.099546	0.037238	0.369114
ANXA11	-0.29563	-2.09507	0.03764	0.370654
RPS3AP26	0.263601	2.097508	0.037421	0.369896
	0.250877	2.094175	0.037721	0.37104
	0.329529	2.097773	0.037397	0.369823
	0.110808	2.091303	0.037981	0.372022
	0.133266	2.095242	0.037624	0.370648
	-0.34748	-2.09507	0.03764	0.370654
	-0.25415	-2.09937	0.037254	0.369155
	0.301628	2.096999	0.037466	0.370047
SLIT2-IT1	0.275651	2.08961	0.038135	0.372545
RHPN1-AS1;ARHGAP39;TONSL;MAPK15;FAM83H-AS1	-0.31552	-2.09643	0.037518	0.370289
PARP11	-0.23977	-2.10072	0.037133	0.368778
	0.212041	2.098067	0.037371	0.36964
	0.234472	2.095764	0.037577	0.370476
PADI1;PADI2;RSG1;SDHB	-0.41289	-2.09524	0.037624	0.370648
	0.322711	2.102291	0.036994	0.368349
	-0.336	-2.08955	0.03814	0.372571
	0.27117	2.097055	0.037461	0.370045
	-0.21607	-2.09735	0.037435	0.369947
	-0.18968	-2.09218	0.037901	0.371727
	0.2294	2.099469	0.037245	0.369143
	-0.28164	-2.09824	0.037356	0.369558
KCNMB2;ENSG00000271131;ENSG00000237978	0.235576	2.094229	0.037716	0.371035
MCTP1	0.363649	2.098086	0.037369	0.369631
	-0.12186	-2.09559	0.037593	0.370521
	0.120854	2.092686	0.037855	0.371628
	-0.22779	-2.0985	0.037332	0.369403
	0.234131	2.095645	0.037588	0.370504
	-0.23682	-2.09924	0.037266	0.369214
FAM198A;ZBTB47;ZNF662;HIGD1A;ABHD5;SS18L2	0.25898	2.094952	0.037651	0.37073
	0.206389	2.093891	0.037746	0.371162
	0.172735	2.097686	0.037405	0.369873

PCSK1	0.219004	2.095568	0.037595	0.370521
DAAM2	-0.19975	-2.09237	0.037884	0.371685
	0.30031	2.096129	0.037545	0.370365
	-0.21142	-2.09479	0.037665	0.370765
	-0.17175	-2.09378	0.037756	0.371182
	-0.22939	-2.09622	0.037537	0.370344
	-0.22716	-2.09656	0.037506	0.370254
	0.24052	2.09241	0.03788	0.371685
WDR45B;ENSG00000261888;ENSG00000265136	-0.16049	-2.0948	0.037664	0.370765
	-0.23454	-2.09514	0.037634	0.370654
	-0.17345	-2.09525	0.037624	0.370648
DCTD	0.20811	2.092597	0.037863	0.371649
EGFLAM;DAB2;OSMR;LIFR	-0.26838	-2.09481	0.037664	0.370765
	0.214025	2.092645	0.037859	0.37164
	0.207777	2.094209	0.037718	0.371035
	0.20174	2.098972	0.03729	0.369255
	0.204611	2.095084	0.037639	0.370654
	-0.1416	-2.09579	0.037575	0.370463
GPR153;TAS1R1	-0.3042	-2.09194	0.037922	0.371763
	0.18011	2.097248	0.037444	0.369998
	0.193574	2.092369	0.037884	0.371685
	0.238096	2.098155	0.037363	0.369588
	0.24416	2.096278	0.037531	0.370318
	0.279946	2.096084	0.037549	0.370388
	0.296558	2.096749	0.037489	0.370132
	0.144291	2.095619	0.03759	0.370519
DDAH2	-0.42996	-2.09712	0.037456	0.370013
	0.296582	2.099418	0.03725	0.369145
	-0.20602	-2.09507	0.03764	0.370654
TRIM69	-0.33471	-2.09582	0.037573	0.370463
	-0.20754	-2.09913	0.037276	0.369242
	-0.24501	-2.0944	0.0377	0.370967
	0.25282	2.097534	0.037418	0.369892
	0.121444	2.093671	0.037766	0.371236
	0.143372	2.095939	0.037562	0.370423
	-0.19795	-2.09565	0.037588	0.370504
	-0.31709	-2.09207	0.037911	0.37176
CAPG;TMSB10	-0.13478	-2.0918	0.037935	0.371817
	0.110467	2.095877	0.037567	0.370449
GRHL2	0.313194	2.094157	0.037722	0.371047
	-0.1222	-2.08706	0.038368	0.373293
EXOSC10	-0.25986	-2.09824	0.037355	0.369558
	0.191648	2.088301	0.038254	0.372965
KPNA1;WDR5B;STXBP5L;CSTA	-0.31621	-2.09842	0.037339	0.36944
	-0.18013	-2.08961	0.038134	0.372545
CNN1;KANK2	-0.28972	-2.09967	0.037227	0.369111
	-0.28714	-2.09882	0.037303	0.36929

	-0.17538	-2.0946	0.037682	0.370879
	0.231616	2.095421	0.037608	0.370598
	-0.31262	-2.0957	0.037583	0.370497
WNT11;CAPN5	-0.14325	-2.08962	0.038134	0.372545
TGFB1I1;PPP4C;PYCARD;ENSG00000260219;C16orf93;SETD1A;				
PHKG2;ZNF629	-0.23147	-2.09155	0.037958	0.37188
	-0.26148	-2.09522	0.037626	0.370654
	0.288471	2.098964	0.03729	0.369255
	-0.15592	-2.09597	0.037559	0.370422
SLC5A4;CPSF1P1;DUSP18;ENSG00000198832;LIMK2;CCDC157;				
SMTN	-0.22974	-2.09097	0.038011	0.372148
	-0.22134	-2.08865	0.038222	0.372884
	-0.19594	-2.1012	0.037091	0.368645
LOXL2;CCAR2;ENSG00000253837;STC1;BIN3;TNFRSF10C	-0.30273	-2.0899	0.038108	0.372475
	0.21703	2.097192	0.037449	0.370009
	0.190193	2.097118	0.037456	0.370013
	-0.20809	-2.09199	0.037918	0.371763
ZNF267;PYCARD;KAT8	-0.29879	-2.09879	0.037306	0.369296
	-0.19456	-2.09649	0.037512	0.370274
LCP1	0.279042	2.099738	0.037221	0.36911
TENC1;ACVRL1;GRASP;GALNT6;POU6F1;ENSG00000257337;KR				
T7;KRT80;SLC4A8;KRT18;DAZAP2	0.265793	2.083536	0.038691	0.374382
	-0.20214	-2.09317	0.037812	0.371406
	-0.16972	-2.09325	0.037804	0.37139
	0.240264	2.092519	0.03787	0.371666
	-0.24268	-2.09957	0.037236	0.369112
PTGR2	0.205011	2.095516	0.0376	0.370541
	0.208322	2.092061	0.037912	0.37176
	-0.35007	-2.09514	0.037634	0.370654
SHE;TDRD10;FAM189B;SLC50A1;MTX1;SHC1;ADAR;ADAM15;C				
1orf43;ARHGEF2	-0.25606	-2.09325	0.037804	0.37139
	-0.21231	-2.09756	0.037416	0.369892
CCDC114;SLC6A16;FUT1;RPL13A;CD37;ENSG00000197813;RU				
VBL2;RPL18;EMP3	-0.29956	-2.0907	0.038035	0.37223
KIF21B;C1orf106	0.177013	2.098227	0.037356	0.369558
MICU2	0.335343	2.087244	0.038351	0.373286
PYGM;NRXN2;HRASLS2;RASGRP2;MAP4K2	-0.27301	-2.09848	0.037334	0.369403
	-0.26933	-2.09243	0.037879	0.371685
	0.298633	2.096691	0.037494	0.370166
RNF213	0.265851	2.096464	0.037514	0.370282
NUDT5;LINC00710;CAMK1D;USP6NL	-0.28006	-2.08873	0.038215	0.37287
	-0.20517	-2.09553	0.037599	0.37054
	-0.1645	-2.08918	0.038174	0.372687
ITPR2	-0.25448	-2.09257	0.037866	0.371649
	-0.15794	-2.09379	0.037755	0.371182
	-0.25284	-2.097	0.037466	0.370047
ENSG00000269640	0.303245	2.099912	0.037206	0.369025

	-0.26303	-2.09385	0.03775	0.371162
	0.216983	2.092156	0.037903	0.371736
	0.189052	2.093041	0.037823	0.371474
	0.161893	2.091688	0.037946	0.371842
RLTPR;SNTB2	-0.31663	-2.09241	0.03788	0.371685
	-0.26428	-2.09617	0.037541	0.370344
	-0.30163	-2.09739	0.037431	0.369933
DOK3;PDLIM7;RNF44	0.171283	2.094462	0.037695	0.370948
CDK20;S1PR3;C9orf47	-0.24307	-2.09161	0.037953	0.371872
	-0.18151	-2.0971	0.037457	0.370013
TOP2A;KRT23;RAPGEFL1;THRA	-0.25656	-2.09594	0.037562	0.370423
	-0.26877	-2.09488	0.037657	0.370745
	0.169807	2.09857	0.037326	0.369374
	-0.16266	-2.09143	0.037969	0.371928
SLAMF1;CD84;LY9;SLAMF6;USP21;SLAMF7;CD244;FCRL6;CD48;				
MPZ;FCGR2B;SLAMF8;FCGR2C;PVRL4	0.39797	2.097328	0.037437	0.369961
	0.200282	2.087857	0.038295	0.373012
	0.18387	2.093948	0.037741	0.37116
	-0.27741	-2.09705	0.037462	0.370045
	0.269188	2.099273	0.037263	0.369205
CD96;ENSG00000244720;C3orf52	-0.22323	-2.09094	0.038013	0.372148
	-0.16109	-2.09365	0.037768	0.371236
	-0.2305	-2.09722	0.037447	0.370002
	0.206223	2.085028	0.038554	0.373974
PLEKHB1;POLD3;DNAJB13;PPME1;C2CD3;ENSG00000255847;P				
GM2L1;ENSG00000254837;UCP2;FCHSD2	-0.24198	-2.09094	0.038013	0.372148
	0.241225	2.091267	0.037984	0.37204
RABL2B	-0.16212	-2.09677	0.037487	0.370132
	-0.24067	-2.09119	0.037991	0.372077
CLHC1;EML6	-0.32678	-2.09228	0.037892	0.371721
DDX52	0.196916	2.089563	0.038139	0.372571
KEL	0.219634	2.097009	0.037465	0.370047
PDCD6;ENSG00000188242;NKD2;TPPP;LPCAT1;SDHA;TRIP13	-0.31039	-2.09873	0.037311	0.369309
PDCD2;C6orf120	-0.18001	-2.09629	0.03753	0.370318
FAM198B;TMEM144	0.220471	2.089313	0.038162	0.372645
	-0.15375	-2.09339	0.037792	0.371338
COL1A2;DYNC1I1;PON2	-0.30803	-2.09095	0.038013	0.372148
PRR24	-0.2349	-2.09171	0.037943	0.371827
	-0.20636	-2.09355	0.037777	0.371281
	0.114744	2.096311	0.037528	0.370318
	-0.25229	-2.08786	0.038294	0.373012
	-0.2238	-2.08998	0.038101	0.372474
CAPN8	-0.23581	-2.0946	0.037682	0.370879
ENSG00000204380;PKP4	-0.25928	-2.09005	0.038095	0.37245
RNF166	0.355535	2.097795	0.037395	0.369812
	-0.17065	-2.09282	0.037843	0.371547

	0.280213	2.092134	0.037905	0.371736
	0.28236	2.097282	0.037441	0.369983
	-0.17154	-2.09174	0.037941	0.371827
USP44	-0.30668	-2.0898	0.038118	0.37252
	-0.2251	-2.09293	0.037833	0.371494
	0.255157	2.096388	0.037521	0.370289
SYNRG;CCL5	-0.19529	-2.09057	0.038047	0.37225
	-0.11956	-2.09009	0.038091	0.372437
	0.178316	2.09178	0.037937	0.371827
	0.176716	2.091735	0.037941	0.371827
	0.10707	2.087275	0.038348	0.373267
SLC25A27	0.166895	2.090917	0.038016	0.37215
	-0.22337	-2.08938	0.038156	0.372645
	0.161198	2.087069	0.038367	0.373293
	-0.22438	-2.09587	0.037568	0.370449
TRMT112;FAU	0.176951	2.094916	0.037654	0.37073
	0.17758	2.092388	0.037882	0.371685
	-0.16143	-2.09514	0.037634	0.370654
	0.210308	2.099079	0.03728	0.369255
	-0.16496	-2.09191	0.037926	0.371764
ADAM19	0.297215	2.096093	0.037548	0.370388
	-0.25773	-2.09146	0.037966	0.371916
	0.167614	2.098764	0.037308	0.369296
	-0.22827	-2.0973	0.037439	0.369977
ARHGEF10	0.23544	2.084498	0.038603	0.374121
	0.334125	2.097522	0.03742	0.369892
	-0.29258	-2.09393	0.037743	0.37116
TRIM16L	-0.23936	-2.09849	0.037333	0.369403
	0.25768	2.088149	0.038268	0.372983
	0.257309	2.094587	0.037683	0.370879
	0.262426	2.095991	0.037557	0.37041
	-0.23775	-2.09511	0.037636	0.370654
	-0.20581	-2.08678	0.038394	0.373353
ENSG00000213090	-0.16602	-2.09095	0.038013	0.372148
	-0.22306	-2.08494	0.038562	0.373974
	0.20128	2.095404	0.03761	0.370598
	0.276741	2.094566	0.037685	0.370889
	0.268094	2.09208	0.03791	0.37176
	0.107425	2.094709	0.037672	0.370822
	0.233598	2.09362	0.037771	0.371251
	-0.22707	-2.08984	0.038114	0.372492
	0.191019	2.088618	0.038225	0.372884
SHQ1	0.267419	2.095929	0.037563	0.370423
CSPG4P9;ENSG00000259328;ENSG00000255769;CSPG4P8;CSPG4P10	-0.31311	-2.09479	0.037665	0.370765
FZD8	0.253512	2.093915	0.037744	0.37116
	0.095922	2.086864	0.038385	0.373314

STIP1;MALAT1;SNX15;NEAT1;SF1;TRMT112;MRPL49	0.165048	2.09265	0.037858	0.37164
MIR205HG;CAMK1G;LAMB3	0.211452	2.093673	0.037766	0.371236
	0.199927	2.094429	0.037698	0.370965
	-0.21582	-2.09566	0.037586	0.370504
	-0.26516	-2.08369	0.038677	0.374367
PNO1	-0.20632	-2.09273	0.037851	0.371607
	0.112275	2.094608	0.037682	0.370879
	0.265004	2.093877	0.037748	0.371162
GPR132;ADSSL1	0.25433	2.092208	0.037898	0.371721
	-0.25756	-2.09289	0.037836	0.371511
	-0.20039	-2.09583	0.037572	0.370463
	0.193076	2.095503	0.037601	0.370544
	0.138044	2.092842	0.037841	0.371532
SMIM5;UNC13D;GPRC5C;SLC16A5	0.254692	2.097031	0.037464	0.370047
GPC6	-0.36588	-2.09182	0.037933	0.371814
TIPARP;KCNAB1	-0.30982	-2.08524	0.038534	0.373886
TMEM45B;ARHGAP32;SNX19	-0.48624	-2.09459	0.037683	0.370879
WDFY4	0.230096	2.095126	0.037635	0.370654
PBX3;ARPC5L	-0.25577	-2.09633	0.037526	0.370313
	-0.23009	-2.09019	0.038081	0.372387
ACTA2-AS1	-0.321	-2.09713	0.037455	0.370013
	0.268821	2.089362	0.038157	0.372645
	-0.25392	-2.0974	0.037431	0.369933
	0.187219	2.09581	0.037573	0.370463
	0.289236	2.092967	0.03783	0.371488
TTC34;CEP104	-0.31474	-2.07963	0.039053	0.375632
	-0.23763	-2.09528	0.037621	0.370648
MRPS23	0.198276	2.093666	0.037767	0.371236
	-0.20674	-2.09342	0.037789	0.371325
SLBP	0.19122	2.080525	0.03897	0.375416
TVP23B;COPS3	-0.19391	-2.09249	0.037873	0.37168
EDNRA;ARHGAP10	0.197151	2.087869	0.038293	0.373012
	-0.25366	-2.08917	0.038175	0.372687
	0.21804	2.087014	0.038372	0.373302
CCDC97;DEDD2	-0.24507	-2.09652	0.03751	0.370269
	0.194281	2.092445	0.037877	0.371685
	-0.21296	-2.08933	0.03816	0.372645
	0.172699	2.088355	0.038249	0.372963
HSPG2;ID3;LDLRAD2;ENSG00000232037;EPHB2;LUZP1;CDC42	0.225547	2.093421	0.037789	0.371325
	-0.31347	-2.09427	0.037712	0.371018
C14orf79;ADSSL1;INF2;TMEM121;ENSG00000251602	-0.34885	-2.09291	0.037835	0.371508
	0.200156	2.09534	0.037616	0.370638
	-0.10591	-2.08543	0.038517	0.373848
DNAH14	0.278567	2.092215	0.037898	0.371721
	0.213304	2.089028	0.038188	0.372752
	0.198741	2.095245	0.037624	0.370648

	0.19708	2.089953	0.038103	0.372474
	-0.24437	-2.09613	0.037544	0.370365
	0.205906	2.09442	0.037698	0.370965
	-0.44804	-2.0942	0.037719	0.371037
	0.235146	2.095282	0.037621	0.370648
	0.16611	2.092058	0.037912	0.37176
	-0.22247	-2.0928	0.037845	0.371555
PSMG3	-0.18567	-2.08803	0.038279	0.373012
	0.263271	2.089416	0.038152	0.372645
	-0.36204	-2.09481	0.037663	0.370765
	-0.29092	-2.0882	0.038263	0.372983
	-0.31684	-2.08876	0.038212	0.372864
	0.240067	2.097379	0.037432	0.369933
	0.191376	2.091139	0.037995	0.372092
	0.204315	2.093713	0.037762	0.371228
	0.183605	2.088945	0.038195	0.372806
	0.287304	2.096066	0.03755	0.370393
CLSTN3;C1S;C1R;IFFO1;NTF3;VWF;LRRC23;GPR162;C1RL;ANO2				
;LEPREL2;RBP5;CD27;PTMS;C1RL-AS1	-0.22327	-2.09617	0.037541	0.370344
	0.12982	2.095406	0.03761	0.370598
	-0.22442	-2.09102	0.038006	0.372145
	-0.17953	-2.09493	0.037653	0.37073
	0.152855	2.089884	0.03811	0.372475
	0.175318	2.09301	0.037826	0.371477
	0.161227	2.088663	0.038221	0.372881
	-0.21578	-2.09345	0.037786	0.371321
	-0.30733	-2.09511	0.037636	0.370654
	0.223145	2.094361	0.037704	0.370983
	-0.25323	-2.0864	0.038428	0.373517
	0.211918	2.097106	0.037457	0.370013
	0.124009	2.093349	0.037795	0.371349
GPX2	-0.32961	-2.09257	0.037865	0.371649
	-0.19175	-2.09353	0.037779	0.371282
	0.190633	2.094413	0.037699	0.370965
	-0.33019	-2.09594	0.037561	0.370423
	0.236993	2.088351	0.038249	0.372963
	-0.21564	-2.0951	0.037637	0.370654
	-0.14467	-2.09046	0.038057	0.37225
	0.29012	2.095048	0.037642	0.370666
TUSC2;SEMA3B	-0.22988	-2.0877	0.038309	0.373058
FBXO36;ARMC9	-0.25852	-2.09158	0.037956	0.371872
GRHL2;SPAG1;RGS22	0.215668	2.092963	0.03783	0.371488
	-0.25784	-2.09375	0.037759	0.371206
	0.205892	2.093169	0.037811	0.371406
	0.242843	2.089547	0.03814	0.372571
	0.146818	2.095145	0.037633	0.370654
	0.21838	2.093996	0.037737	0.371151

ZNF382;ZFP82;ZNF529;ZNF568;ZNF527;ZNF566	0.254183	2.095394	0.037611	0.370598
ENSG00000272696	0.229116	2.093652	0.037768	0.371236
	-0.22138	-2.09439	0.037701	0.370971
FZD6	-0.16662	-2.08877	0.038211	0.372864
	0.22977	2.096375	0.037522	0.370292
FAIM3	-0.23609	-2.0907	0.038036	0.37223
XRCC1	0.222367	2.093929	0.037743	0.37116
	0.176139	2.091138	0.037996	0.372092
	0.190903	2.085364	0.038523	0.373857
HLA-A;MDC1;GABBR1	0.253287	2.09343	0.037788	0.371325
BHMT2	-0.40667	-2.0969	0.037476	0.370052
	0.209918	2.093498	0.037782	0.371291
	-0.31451	-2.09304	0.037823	0.371474
	-0.19189	-2.09236	0.037884	0.371685
	0.18104	2.087892	0.038291	0.373012
	0.199282	2.091591	0.037954	0.371872
STOML2	0.316788	2.089476	0.038147	0.372617
HMHA1;ARID3A;GRIN3B;ENSG00000129951;TCF3;ATP8B3	-0.2489	-2.09334	0.037796	0.371349
	-0.17572	-2.09221	0.037898	0.371721
	-0.31615	-2.08819	0.038265	0.372983
	-0.21576	-2.09358	0.037774	0.371257
	0.247816	2.092033	0.037914	0.371763
	0.128887	2.092844	0.037841	0.371532
	-0.17178	-2.09432	0.037707	0.370994
	-0.30859	-2.08772	0.038307	0.373058
	-0.14356	-2.09077	0.038029	0.372222
SPNS2;PLD2;CYB5D2;SPAG7;MINK1;CAMTA2;ASPA;ZZEF1	-0.19312	-2.08793	0.038288	0.373012
	0.287532	2.088938	0.038196	0.372806
	-0.17851	-2.08428	0.038623	0.374195
	0.190461	2.092207	0.037899	0.371721
ARHGEF10	0.274574	2.089131	0.038178	0.372687
	-0.14477	-2.09195	0.037922	0.371763
	-0.18745	-2.08815	0.038268	0.372983
	-0.20018	-2.09328	0.037802	0.371384
	0.17243	2.092241	0.037895	0.371721
	0.215653	2.090202	0.038081	0.372387
	0.244158	2.089199	0.038172	0.372687
	-0.24475	-2.09248	0.037874	0.37168
RNU4-1	-0.22294	-2.09351	0.037781	0.371291
GRAP2	-0.169	-2.08712	0.038362	0.373293
	0.107857	2.091971	0.03792	0.371763
	0.350451	2.094217	0.037717	0.371035
	-0.17427	-2.08989	0.038109	0.372475
	0.161322	2.090307	0.038071	0.372337
	0.225553	2.089709	0.038126	0.372545

	-0.20599	-2.08995	0.038103	0.372474
	0.238936	2.091578	0.037956	0.371872
HIST1H2AB	0.199592	2.094461	0.037695	0.370948
	0.244426	2.093586	0.037774	0.371257
	-0.14249	-2.09263	0.03786	0.371642
	0.23653	2.089998	0.038099	0.372473
	0.220087	2.09221	0.037898	0.371721
	0.234951	2.090181	0.038083	0.372388
	-0.22252	-2.09183	0.037933	0.371814
	0.245145	2.088247	0.038259	0.372983
TMC8;TNRC6C;ST6GALNAC1;TNRC6C-AS1;JMJD6;MXRA7;CYGB	-0.34888	-2.09401	0.037736	0.371151
	0.169277	2.091148	0.037995	0.372092
	-0.23276	-2.09359	0.037773	0.371257
	-0.36878	-2.095	0.037646	0.370701
SOX10;C22orf23	0.17518	2.092474	0.037874	0.37168
	-0.16579	-2.08157	0.038874	0.375113
	-0.14061	-2.08832	0.038252	0.372965
SLC43A1;APLNR	0.121288	2.090639	0.038041	0.37225
GPIHBP1	0.245605	2.089342	0.038159	0.372645
ARHGEF15;MYH10;ATP1B2;NLGN2;TNFSF12;MPDU1;VAMP2;E				
NSG00000270606;PER1;WRAP53;CYB5D1	-0.30681	-2.09073	0.038032	0.372222
	-0.4075	-2.0906	0.038044	0.37225
FNIP2	0.243031	2.084997	0.038557	0.373974
	0.199587	2.096332	0.037526	0.370313
GAPVD1;RABEPK;WDR38	-0.35701	-2.09149	0.037964	0.3719
	0.203463	2.093111	0.037817	0.371446
IST1	0.189749	2.096296	0.03753	0.370318
	-0.25603	-2.0795	0.039065	0.375649
	-0.18238	-2.09295	0.037831	0.371488
	0.331478	2.091444	0.037968	0.371922
OARD1	0.253212	2.093292	0.0378	0.37138
	-0.20337	-2.094	0.037736	0.371151
	0.176845	2.090976	0.03801	0.372148
	0.235376	2.083186	0.038724	0.374524
	0.203768	2.090514	0.038052	0.37225
	0.227395	2.084264	0.038624	0.374203
	0.18975	2.089152	0.038176	0.372687
GGT7;MMP24-				
AS1;ITCH;EIF2S2;GSS;PIGU;FAM83C;TP53INP2;EIF6;MYH7B	-0.36259	-2.09159	0.037955	0.371872
	-0.29602	-2.08018	0.039002	0.375514
	-0.25867	-2.09132	0.037979	0.372011
NRXN2;TRPT1;PLA2G16	-0.37087	-2.09491	0.037654	0.37073
	-0.19513	-2.09161	0.037953	0.371872
	0.23784	2.093183	0.03781	0.371406
	0.296948	2.093232	0.037806	0.3714

	0.123466	2.090453	0.038058	0.37225
MYO1F	-0.19146	-2.09382	0.037752	0.371166
TMEM14C	-0.313	-2.07995	0.039023	0.375571
	0.17552	2.086641	0.038406	0.373424
	0.125354	2.091921	0.037924	0.371763
FMNL3;ENSG00000258334;CCDC65;ASIC1;KCNH3;C12orf68;TMBIM6;PRPH;CACNB3;TUBA1A;SPATS2;LMBR1L;RHEBL1;WNT10B;ENSG00000257954;BCDIN3D;ZNF641	-0.20658	-2.08997	0.038102	0.372474
	-0.13519	-2.09192	0.037925	0.371763
HAAO;PKDCC	0.222322	2.090647	0.03804	0.37225
	-0.23885	-2.08354	0.038691	0.374382
	0.431244	2.091564	0.037957	0.371875
	-0.34936	-2.09162	0.037952	0.371872
	0.231395	2.0886	0.038227	0.372884
	0.222706	2.092523	0.03787	0.371666
AKR7A2;KLHDC7A	0.235096	2.088131	0.03827	0.372983
	-0.40144	-2.09055	0.038049	0.37225
IL18BP;ANAPC15	0.238422	2.092618	0.037861	0.371646
AGPAT5	-0.26577	-2.08406	0.038643	0.374246
	0.181837	2.087483	0.038329	0.373158
	-0.19562	-2.09393	0.037743	0.37116
	0.126461	2.091125	0.037997	0.372095
BCL11B	0.320947	2.092846	0.037841	0.371532
MVP	0.188461	2.091729	0.037942	0.371827
	-0.45409	-2.08912	0.038179	0.372687
	0.269744	2.086472	0.038421	0.373501
DIRC3;RQCD1;CXCR2P1;ZNF142	-0.3024	-2.08696	0.038376	0.373302
	0.229731	2.093393	0.037791	0.371338
	0.188464	2.092005	0.037917	0.371763
	-0.21581	-2.08465	0.038589	0.374077
	-0.26289	-2.09075	0.03803	0.372222
	0.162426	2.082728	0.038766	0.374658
	-0.20092	-2.08967	0.038129	0.372545
ZNF512	-0.22543	-2.08235	0.038801	0.374793
CCDC126	-0.35477	-2.09448	0.037693	0.370948
	-0.17213	-2.09271	0.037853	0.37162
	0.263612	2.093898	0.037746	0.371162
	-0.19017	-2.09432	0.037707	0.370994
	0.179502	2.088698	0.038218	0.37287
	0.17861	2.084562	0.038597	0.374103
	-0.15691	-2.08891	0.038198	0.372819
	-0.28112	-2.09026	0.038075	0.372358
	0.206177	2.095709	0.037582	0.370497
	-0.24975	-2.0943	0.037709	0.370995
	0.205924	2.084035	0.038645	0.374246
SH2D2A;SYT11	-0.33889	-2.09181	0.037935	0.371817
	0.195926	2.088119	0.038271	0.372983

	0.106225	2.09063	0.038042	0.37225
	0.261666	2.071107	0.039853	0.377894
DHX29;ARL15;PPAP2A;ENSG00000251307	0.280388	2.089411	0.038153	0.372645
	0.215463	2.090056	0.038094	0.37245
	0.320988	2.089126	0.038179	0.372687
	-0.13856	-2.08384	0.038663	0.374315
DSCAML1;TMPRSS4;SCN4B	0.214051	2.094314	0.037708	0.370994
	-0.20217	-2.09172	0.037942	0.371827
	0.2294	2.09227	0.037893	0.371721
	-0.22151	-2.09075	0.038031	0.372222
	-0.13556	-2.09225	0.037895	0.371721
	0.28857	2.091497	0.037963	0.3719
	0.198603	2.087003	0.038373	0.373302
SIRPG	0.276238	2.088119	0.038271	0.372983
PARP12;TBXAS1	0.255679	2.09302	0.037825	0.371476
TJP3	-0.33025	-2.07899	0.039113	0.375772
	0.228583	2.09027	0.038074	0.372358
	-0.34628	-2.08987	0.038111	0.372477
	-0.20841	-2.07108	0.039855	0.377894
	-0.21397	-2.08731	0.038345	0.373245
NKAPL;ZNF165;PGBD1;GABBR1;HCG14;ZSCAN12	0.471718	2.092587	0.037864	0.371649
RANBP2	0.307665	2.087706	0.038308	0.373058
	0.226943	2.088716	0.038216	0.37287
	0.24255	2.088422	0.038243	0.372952
FBXO17;PSMC4;PRX	0.198667	2.08551	0.03851	0.373821
	-0.214	-2.09322	0.037807	0.371403
	-0.21125	-2.09194	0.037923	0.371763
	0.134654	2.090173	0.038083	0.372388
POLD3	0.160492	2.090519	0.038052	0.37225
	-0.24066	-2.09305	0.037823	0.371474
ENSG00000176349;TTYH3	-0.26862	-2.08814	0.038269	0.372983
LDB3	-0.17223	-2.08506	0.038551	0.373967
	-0.17094	-2.09052	0.038052	0.37225
	0.204251	2.088421	0.038243	0.372952
	0.13987	2.09193	0.037924	0.371763
	0.122148	2.090213	0.03808	0.372387
	0.226825	2.089624	0.038133	0.372545
PTPRG	-0.31712	-2.09075	0.03803	0.372222
	-0.2477	-2.08646	0.038422	0.373501
	0.141384	2.087075	0.038366	0.373293
NCOA2	0.232868	2.085914	0.038473	0.373665
	-0.19563	-2.09392	0.037743	0.37116
	-0.2009	-2.09258	0.037865	0.371649
	0.17931	2.087459	0.038331	0.373161
	0.215875	2.089265	0.038166	0.372676
MRS2P2	0.277816	2.093193	0.037809	0.371406
	0.29999	2.093992	0.037737	0.371151

	0.293395	2.089125	0.038179	0.372687
	0.162112	2.076834	0.039314	0.376365
HAGHL;HBA2	-0.19122	-2.08918	0.038174	0.372687
	0.210159	2.083893	0.038658	0.374279
	0.260628	2.092133	0.037905	0.371736
HDHD2	0.322782	2.089604	0.038135	0.372545
LAT2	-0.29215	-2.0902	0.038081	0.372387
	0.183935	2.091057	0.038003	0.372122
	0.308657	2.079606	0.039055	0.375632
FLI1;ARHGAP32;SENCR;ETS1	0.304145	2.091235	0.037987	0.372057
ADPRM	-0.18284	-2.08766	0.038312	0.373076
	-0.26807	-2.08509	0.038548	0.373954
	-0.2092	-2.08952	0.038143	0.37259
	-0.20448	-2.08023	0.038997	0.375492
	-0.26671	-2.08732	0.038344	0.373245
	0.215851	2.085983	0.038466	0.373662
	0.166531	2.08993	0.038105	0.372475
TMED11P;MAEA;RNF212;TACC3;ZNF141	-0.30809	-2.08496	0.03856	0.373974
	0.204512	2.088333	0.038251	0.372965
	0.336564	2.088789	0.038209	0.372862
P2RX4;P2RX7;CLIP1;ENSG00000256304	0.198511	2.088593	0.038227	0.372884
	-0.1647	-2.09168	0.037947	0.371842
	-0.2047	-2.0841	0.038639	0.374246
	0.237587	2.090997	0.038008	0.372148
C1orf222;TNFRSF18;MORN1;TTLL10;TTLL10-AS1;TTC34;ENSG00000269896;C1orf86	-0.18311	-2.08139	0.03889	0.375139
ITGB7;AAAS	0.263885	2.091263	0.037984	0.37204
	-0.27881	-2.09121	0.037989	0.372073
DUOXA1;DUOX1;SLC30A4	0.23994	2.088302	0.038254	0.372965
	0.22926	2.090111	0.038089	0.372426
	-0.17649	-2.09074	0.038031	0.372222
DLG2	0.315662	2.086253	0.038441	0.373576
DYNC2LI1	0.192511	2.092537	0.037869	0.371666
	-0.20051	-2.09048	0.038056	0.37225
ENSG00000259561;MFGE8	0.276548	2.084354	0.038616	0.374157
	0.220462	2.087077	0.038366	0.373293
	0.17026	2.089991	0.0381	0.372473
	-0.25847	-2.08353	0.038692	0.374382
	0.265706	2.0897	0.038126	0.372545
	-0.21848	-2.08845	0.03824	0.372952
	0.187502	2.077665	0.039236	0.376172
	0.267446	2.090353	0.038067	0.372304
TIMM10	-0.16415	-2.08688	0.038384	0.373313
	0.225031	2.08961	0.038135	0.372545
	0.191357	2.089318	0.038161	0.372645
CES1;MT1F;ENSG00000259725	0.218206	2.092664	0.037857	0.371639
	0.234819	2.086774	0.038394	0.373353

	0.112268	2.093102	0.037818	0.371446
	0.223299	2.087451	0.038332	0.373161
RBM20	0.295767	2.088759	0.038212	0.372864
	-0.16736	-2.0888	0.038209	0.372862
LGALS3;FBXO34;CNIH1	-0.29219	-2.08315	0.038727	0.374524
	-0.2501	-2.09184	0.037931	0.371813
SLC8A1	0.302672	2.088268	0.038257	0.372983
	-0.19604	-2.09171	0.037943	0.371827
	-0.21244	-2.08573	0.03849	0.373727
	0.250615	2.08989	0.038109	0.372475
	-0.12478	-2.08459	0.038594	0.374097
	-0.21638	-2.08926	0.038167	0.372676
MRPL36;NDUFS6	-0.26772	-2.08255	0.038782	0.37471
C14orf79;ADSSL1;INF2	-0.26082	-2.09366	0.037767	0.371236
TXNDC17	0.21967	2.081513	0.038878	0.375117
	0.114236	2.088792	0.038209	0.372862
BUD31	-0.2155	-2.08398	0.03865	0.374252
	0.2233	2.087691	0.03831	0.373058
ENSG00000261471	-0.19452	-2.09057	0.038048	0.37225
	0.263008	2.088072	0.038275	0.373007
	-0.36174	-2.08709	0.038365	0.373293
	-0.29397	-2.09107	0.038002	0.372122
	-0.2093	-2.09196	0.037921	0.371763
	0.336937	2.090927	0.038015	0.37215
	0.259821	2.090797	0.038027	0.372217
	0.181299	2.08797	0.038284	0.373012
	-0.1648	-2.08645	0.038424	0.373503
RUNDC1;STAT3	0.268604	2.089888	0.038109	0.372475
	-0.4205	-2.08711	0.038363	0.373293
TBX5;TBX3;TBX5-AS1	-0.28961	-2.08409	0.038641	0.374246
TBX2;TBX4;ENSG00000267137;ENSG00000267280;PPM1D	0.220663	2.087456	0.038331	0.373161
GART	-0.32704	-2.0886	0.038227	0.372884
	0.199858	2.082553	0.038782	0.37471
	0.708432	2.088533	0.038233	0.37292
	-0.38998	-2.09083	0.038024	0.372213
MGLL;GATA2	-0.16051	-2.09036	0.038066	0.372304
	0.263352	2.08782	0.038298	0.373012
TXNDC17	-0.13638	-2.08791	0.03829	0.373012
	-0.1209	-2.09046	0.038057	0.37225
POC1B	-0.28677	-2.09047	0.038056	0.37225
	0.231087	2.084772	0.038578	0.374046
	-0.31642	-2.08868	0.038219	0.37287
BAIAP2;CD7	-0.29597	-2.09106	0.038002	0.372122
	0.198265	2.086366	0.038431	0.37352
	0.169127	2.083635	0.038682	0.374382
TPCN2	-0.32854	-2.08554	0.038507	0.373799

MED31;BCL6B	-0.21047	-2.08534	0.038526	0.373858
	0.244436	2.085816	0.038482	0.373688
CASP16;ERVK13-1	0.182832	2.083821	0.038665	0.374319
	-0.28922	-2.08888	0.038202	0.372841
	-0.21311	-2.08679	0.038392	0.373353
	-0.47018	-2.08558	0.038503	0.373782
DOK1;TACR1;DQX1;LOXL3;SEMA4F	0.195257	2.088445	0.038241	0.372952
	0.188203	2.087835	0.038297	0.373012
	0.174332	2.083952	0.038653	0.374252
	0.231944	2.090695	0.038036	0.37223
	0.215898	2.090494	0.038054	0.37225
	0.208111	2.088357	0.038249	0.372963
PTPN14;SMYD2	0.29266	2.090497	0.038054	0.37225
	-0.35453	-2.08869	0.038218	0.37287
ZNF285;ZNF229	-0.23614	-2.08674	0.038397	0.373361
	0.206473	2.089355	0.038158	0.372645
SPTLC1;LINC00475	-0.31242	-2.0787	0.039139	0.37581
RBM14	-0.23516	-2.08842	0.038243	0.372952
ARPC3;TMEM116	0.25102	2.08922	0.03817	0.372687
	0.224859	2.087968	0.038284	0.373012
	0.271833	2.085884	0.038475	0.373665
ARHGEF1	0.170779	2.09015	0.038085	0.3724
	-0.33485	-2.09224	0.037895	0.371721
C17orf72;MARCH10	0.151155	2.087865	0.038294	0.373012
	-0.33771	-2.08694	0.038379	0.373302
	-0.2437	-2.09237	0.037884	0.371685
ADAMTS17	-0.22358	-2.08192	0.038841	0.37494
	-0.16763	-2.08438	0.038614	0.374142
TNXB;SLC44A4;PPP1R18;TRIM31;DDAH2;MDC1;VWA7;PPP1R1 1;CLIC1;NELFE;DDR1;GNL1;NRM;EHMT2	-0.32817	-2.09055	0.038049	0.37225
	0.177899	2.090383	0.038064	0.372295
CLIC6	-0.24528	-2.08438	0.038614	0.374142
	0.226234	2.088806	0.038208	0.372862
AP1M2;ZNF562;PDE4A;COL5A3;ICAM1	-0.19599	-2.08758	0.038319	0.373118
	0.189564	2.083555	0.03869	0.374382
	0.209557	2.087225	0.038352	0.373292
ARHGEF28;ZNF366;ENSG00000261269	0.361473	2.090628	0.038042	0.37225
	0.203671	2.085249	0.038534	0.373886
	-0.16675	-2.08796	0.038285	0.373012
	-0.16579	-2.08932	0.038161	0.372645
CBFA2T3;PIEZO1;ENSG00000261226;ENSG00000259881;SPAT A33;ENSG00000260121;ENSG00000224888;ENSG0000018237 6;ENSG00000260259	-0.21553	-2.08884	0.038205	0.372858
	-0.31055	-2.08783	0.038297	0.373012
	0.268286	2.08698	0.038375	0.373302
FMN1;EMC4	-0.28385	-2.08813	0.03827	0.372983
	0.192072	2.086912	0.038381	0.373303

	0.201695	2.086938	0.038379	0.373302
	0.196773	2.079601	0.039056	0.375632
BAIAP2;ENSG00000175911;PCYT2	-0.39024	-2.08218	0.038817	0.374864
SLC25A39;GRN	0.161128	2.089204	0.038172	0.372687
	-0.19034	-2.085	0.038557	0.373974
	0.224076	2.090031	0.038096	0.372455
PARP3	0.29866	2.086233	0.038443	0.373576
PTPRN2;ENSG00000233038	0.257069	2.08801	0.038281	0.373012
	0.309147	2.085176	0.03854	0.373924
PSMG3	0.164303	2.089724	0.038124	0.372545
	0.160472	2.086932	0.038379	0.373302
	-0.14652	-2.07883	0.039128	0.375772
	0.260275	2.0862	0.038446	0.373582
	-0.28169	-2.08967	0.038129	0.372545
RLTPR;FAM65A;CBFB;BEAN1	-0.21068	-2.08145	0.038884	0.375139
ENSG00000256576	0.444176	2.089759	0.038121	0.372544
	-0.27952	-2.0876	0.038318	0.373113
	0.253944	2.084142	0.038636	0.374246
	0.191408	2.081791	0.038853	0.374998
	0.276944	2.084483	0.038604	0.374126
	-0.2145	-2.09095	0.038013	0.372148
ISCA2;ZC2HC1C	-0.23864	-2.08918	0.038174	0.372687
	-0.18296	-2.08189	0.038844	0.374942
ATP13A3	-0.28261	-2.08293	0.038747	0.374584
BCL11B	0.196167	2.087988	0.038283	0.373012
	-0.14233	-2.08248	0.038789	0.374745
	-0.17033	-2.0866	0.038409	0.373442
FAM78A	-0.27342	-2.08944	0.03815	0.37264
	0.226781	2.091182	0.037992	0.372078
	0.122335	2.087972	0.038284	0.373012
	-0.21681	-2.09008	0.038092	0.372437
ZDHHC13;HPS5;TSG101;GTF2H1	-0.22725	-2.08651	0.038418	0.37349
ENSG00000258559	-0.12217	-2.08297	0.038744	0.374579
	0.195643	2.088176	0.038265	0.372983
	0.135101	2.089661	0.03813	0.372545
	0.344354	2.088234	0.03826	0.372983
	0.165012	2.085671	0.038495	0.373754
FARP1	-0.26252	-2.089	0.03819	0.372766
	0.289942	2.084722	0.038582	0.374049
	-0.18927	-2.08643	0.038425	0.373505
	0.183373	2.082147	0.03882	0.374864
	0.25371	2.091109	0.037998	0.372101
	-0.23251	-2.08176	0.038855	0.375004
	0.231875	2.088394	0.038245	0.372963
NTRK3	-0.26331	-2.08289	0.038751	0.374593
	0.19599	2.075225	0.039465	0.376819
	0.233232	2.08693	0.038379	0.373302

	-0.14466	-2.08506	0.038551	0.373967
TEKT3;TRPV2;ADORA2B;MEIS3P1;PMP22	-0.25376	-2.08627	0.03844	0.373573
	0.186619	2.079255	0.039088	0.375705
ITGA2	-0.21962	-2.08937	0.038157	0.372645
TLR2;TMEM154;TIGD4;ENSG00000248571	-0.30838	-2.07766	0.039237	0.376172
	0.137736	2.084582	0.038595	0.374097
	-0.18433	-2.08305	0.038737	0.37456
	0.204738	2.091498	0.037963	0.3719
	-0.33492	-2.07969	0.039047	0.375632
	0.141513	2.084187	0.038631	0.374246
	-0.23017	-2.08823	0.03826	0.372983
TBX2;MRC2;TBX4;ENSG00000267137;ENSG00000267280	0.28594	2.08667	0.038403	0.373406
	-0.23705	-2.08908	0.038183	0.372716
	0.14087	2.085453	0.038515	0.373838
	-0.50587	-2.08481	0.038574	0.374042
	-0.27315	-2.09233	0.037888	0.371699
DIP2C;PRR26	-0.19773	-2.0835	0.038695	0.374382
	-0.20518	-2.0854	0.03852	0.373857
	0.258424	2.090511	0.038053	0.37225
	0.146286	2.084438	0.038608	0.374129
ASPA;ATP2A3;ARRB2;UBE2G1;CXCL16	-0.21269	-2.08321	0.038721	0.374516
	0.25401	2.087502	0.038327	0.373158
SAMD15;AHSA1;SPTLC2;NOXRED1	0.275306	2.086046	0.03846	0.373622
SLC22A17	-0.28563	-2.09207	0.037911	0.37176
FENDRR;ENSG00000262601;USP10;KIAA0513;CRISPLD2	-0.25447	-2.08722	0.038353	0.373292
ZNF135	0.21464	2.086085	0.038457	0.37362
	-0.22679	-2.08993	0.038105	0.372475
	0.216607	2.076287	0.039365	0.376566
	-0.20375	-2.08814	0.038269	0.372983
	0.196953	2.088727	0.038215	0.37287
	-0.27876	-2.08676	0.038395	0.373353
	-0.24666	-2.08629	0.038438	0.373573
	-0.19145	-2.08784	0.038296	0.373012
	-0.2159	-2.08558	0.038503	0.373782
	-0.34937	-2.08656	0.038413	0.373452
	0.228207	2.086859	0.038386	0.373314
	-0.25183	-2.08719	0.038356	0.373293
RHOB	0.172023	2.086056	0.03846	0.373622
	-0.31507	-2.08615	0.038451	0.373602
SRF;XPO5	-0.23712	-2.08269	0.038769	0.374666
	0.315798	2.08688	0.038384	0.373313
	-0.18938	-2.09199	0.037919	0.371763
	-0.13046	-2.08817	0.038266	0.372983
	-0.23533	-2.09041	0.038062	0.372284
PPP1R18	-0.20299	-2.08628	0.038439	0.373573
	-0.25934	-2.08301	0.03874	0.374578
PLXDC1;PCGF2;ERBB2;IGFBP4;MIEN1;MLLT6;PSMB3	0.244322	2.080894	0.038936	0.375307

	0.147446	2.083961	0.038652	0.374252
	-0.18035	-2.08512	0.038545	0.373945
ARHGEF2;TDRD10;ATP8B2;SHE	-0.30386	-2.08713	0.038361	0.373293
	-0.51257	-2.08043	0.038979	0.375452
	0.295077	2.08887	0.038202	0.372841
LGALS3;CNIH1	-0.24233	-2.08622	0.038445	0.373581
	-0.28438	-2.08698	0.038374	0.373302
	0.222063	2.089862	0.038112	0.372477
	0.256839	2.083423	0.038702	0.374399
	0.17554	2.086381	0.03843	0.37352
RLTPR	-0.23121	-2.08813	0.03827	0.372983
	0.207548	2.079909	0.039027	0.375584
AP1M2;ZNF440;SMARCA4;PDE4A;KANK2	0.304124	2.088524	0.038234	0.37292
CIITA;TXNDC11	0.490342	2.09082	0.038024	0.372213
	-0.23078	-2.08595	0.038469	0.373665
SLC45A4;TRAPPC9	-0.24718	-2.08404	0.038645	0.374246
STAT2	-0.33139	-2.0905	0.038053	0.37225
LCP2;DOCK2	-0.29389	-2.08709	0.038365	0.373293
PDE1C;AQP1;INMT;ADCYAP1R1	-0.28916	-2.08404	0.038645	0.374246
	0.256806	2.08791	0.03829	0.373012
NOSTRIN;DHRS9	0.210892	2.088613	0.038225	0.372884
ENSG00000233478	0.247089	2.084379	0.038614	0.374142
	0.187994	2.083493	0.038695	0.374382
	-0.2516	-2.08971	0.038126	0.372545
	0.181695	2.087692	0.03831	0.373058
	-0.20458	-2.09091	0.038016	0.37215
	-0.2687	-2.08753	0.038324	0.373146
	0.207238	2.085609	0.038501	0.373781
	-0.22392	-2.08329	0.038714	0.374469
	0.14668	2.085932	0.038471	0.373665
	-0.18301	-2.08286	0.038754	0.374593
GJC1;GPATCH8;ACBD4;ENSG00000267505;MAP3K14;EFTUD2;				
KANSL1	-0.29187	-2.08461	0.038592	0.374097
SRGN;TET1;TSPAN15	-0.29528	-2.08915	0.038176	0.372687
	-0.18108	-2.07882	0.039128	0.375772
	0.208263	2.084394	0.038612	0.374142
	0.172237	2.085641	0.038498	0.373772
	-0.25256	-2.08362	0.038683	0.374382
ZNF366;ENSG00000251613	0.218275	2.086176	0.038449	0.373588
	0.28402	2.088367	0.038248	0.372963
	0.176903	2.08691	0.038381	0.373303
	-0.27059	-2.08783	0.038297	0.373012
MYL9;ERGIC3;SOGA1	-0.21317	-2.08398	0.038651	0.374252
TCP11L2	0.240038	2.085895	0.038474	0.373665
	0.201504	2.087818	0.038298	0.373012
	-0.16289	-2.08612	0.038453	0.373614
KLHL26	-0.24894	-2.08476	0.038579	0.374046

	0.130219	2.081163	0.038911	0.375159
	0.276987	2.088456	0.03824	0.372952
	0.216594	2.088094	0.038273	0.372996
	0.173669	2.089713	0.038125	0.372545
	0.089082	2.077556	0.039246	0.376205
	0.256617	2.087575	0.03832	0.373118
	0.194386	2.086586	0.038411	0.373447
	0.230162	2.086426	0.038426	0.373505
	0.218578	2.081224	0.038905	0.375147
	0.257635	2.083995	0.038649	0.374252
	-0.41708	-2.08316	0.038727	0.374524
	0.244129	2.088632	0.038224	0.372884
	-0.16023	-2.08714	0.03836	0.373293
	0.286031	2.088425	0.038243	0.372952
	0.249754	2.079754	0.039042	0.375632
	0.1722	2.084223	0.038628	0.374231
CADM1	-0.35316	-2.07417	0.039563	0.377086
	0.142831	2.084929	0.038563	0.373974
PITPNM2	-0.23401	-2.08487	0.038569	0.37401
ATG7	0.429001	2.087501	0.038327	0.373158
	0.172627	2.085019	0.038555	0.373974
	0.131216	2.082572	0.03878	0.37471
	-0.19469	-2.08707	0.038366	0.373293
SLC7A5	0.275033	2.087916	0.038289	0.373012
	-0.20635	-2.09062	0.038043	0.37225
	0.142878	2.081953	0.038838	0.374919
	0.133439	2.080993	0.038927	0.375251
LRRC27;TTC40	0.290662	2.076343	0.03936	0.376566
RNF223;ATAD3A;SSU72	-0.24854	-2.08611	0.038454	0.373614
MBL1P;ZMIZ1;PPIF;SFTPD	-0.19901	-2.07925	0.039089	0.375705
MLLT4;THBS2;SMOC2	-0.32293	-2.08119	0.038909	0.375147
	0.251511	2.085485	0.038512	0.373835
SMIM19;VDAC3;AP3M2;HOOK3;THAP1;RNF170;GOLGA7;SLC20A2	-0.34707	-2.07993	0.039025	0.375577
	0.248722	2.084604	0.038593	0.374097
	0.188145	2.076822	0.039315	0.376365
	0.223198	2.085888	0.038475	0.373665
	0.208382	2.074942	0.039491	0.376903
TUSC3	-0.3448	-2.07986	0.039032	0.375608
	-0.20997	-2.08761	0.038317	0.373111
	0.207318	2.082458	0.038791	0.374753
DHRS7B;LGALS9B	-0.33634	-2.08404	0.038645	0.374246
SLC9A3;ENSG00000188242;ENSG00000225138;PDCD6;TPPP;LPCAT1;CEP72;TRIP13;C5orf55	0.187496	2.085378	0.038522	0.373857
ORMDL2	-0.13598	-2.08535	0.038525	0.373857
	-0.21044	-2.07801	0.039204	0.376082
	0.134999	2.08404	0.038645	0.374246

	-0.25165	-2.08784	0.038296	0.373012
	0.297835	2.081387	0.03889	0.375139
	0.121419	2.084982	0.038558	0.373974
GPR133;FZD10-AS1	-0.21931	-2.08084	0.038941	0.375327
CXCR6;CCR5;XCR1;CCRL2;CCR2	0.426163	2.087745	0.038305	0.373058
	0.215767	2.087493	0.038328	0.373158
	0.299996	2.087427	0.038334	0.373174
	-0.1615	-2.08636	0.038431	0.37352
	0.270257	2.084069	0.038642	0.374246
TRAC	-0.24425	-2.08883	0.038205	0.372858
	0.190363	2.084454	0.038607	0.374129
	0.327296	2.08198	0.038835	0.374912
	0.107443	2.087867	0.038294	0.373012
	0.197595	2.070995	0.039863	0.377913
	0.223136	2.085863	0.038477	0.373668
	0.211311	2.083371	0.038707	0.374423
SLC16A1-AS1;OLFML3;HIPK1;LRIG2;PHTF1;SLC16A1;ENSG00000235527;				
DENND2C;AMPD1	-0.397	-2.08376	0.038671	0.374355
NRTN;TINCR;RFX2	0.535914	2.079147	0.039098	0.37574
	-0.1401	-2.08562	0.0385	0.373781
	-0.29696	-2.08443	0.038609	0.374129
	0.289461	2.086969	0.038376	0.373302
	0.180623	2.08737	0.038339	0.373216
	-0.12833	-2.08596	0.038468	0.373665
TBC1D10C;FAM86C2P	-0.26929	-2.08371	0.038675	0.374367
ZNF34;EEF1D;FAM83H-AS1;VPS28;GPIHBP1	-0.38101	-2.08592	0.038472	0.373665
BSPRY;FKBP15;ATP6V1G1;RNF183;SLC31A1;HDHD3;ZNF618;ZF				
P37	0.27939	2.079284	0.039085	0.375705
	0.129247	2.083511	0.038694	0.374382
	0.144492	2.079756	0.039042	0.375632
	0.26625	2.084501	0.038602	0.374121
	-0.24302	-2.08604	0.038461	0.373622
	-0.13676	-2.08369	0.038678	0.374367
	0.217055	2.082115	0.038823	0.374867
	0.452918	2.085848	0.038479	0.373672
STT3A	-0.25904	-2.08001	0.039018	0.375558
	0.311167	2.085241	0.038534	0.373886
	-0.20424	-2.08308	0.038734	0.374556
	-0.14993	-2.08119	0.038908	0.375147
IL10RA;FXYD6;CD3E	-0.26874	-2.08932	0.038161	0.372645
FGF1;PCDHGC3	-0.27484	-2.08695	0.038377	0.373302
	0.260932	2.085108	0.038547	0.37395
	0.160124	2.085165	0.038541	0.373925
	0.252102	2.085353	0.038524	0.373857
	-0.26143	-2.08042	0.038979	0.375452
	-0.12449	-2.07556	0.039433	0.376735

CDC25B;HSPA12B;ADAM33;CPXM1;SPEF1;PANK2;SMOX;C20orf27	-0.20089	-2.08648	0.038421	0.373501
	0.308281	2.085754	0.038487	0.373713
	-0.14236	-2.08357	0.038688	0.374382
	0.195829	2.084599	0.038593	0.374097
STX2;FZD10-AS1;FZD10	-0.24756	-2.08711	0.038363	0.373293
	0.18825	2.083492	0.038696	0.374382
	0.221204	2.080024	0.039017	0.375558
ROBO4;CDON;SPA17;ESAM;ROBO3;FEZ1;TMEM218	0.2078	2.083502	0.038695	0.374382
	0.131652	2.085464	0.038514	0.373836
	0.168394	2.081779	0.038854	0.374998
ENSG00000235096	0.299776	2.085803	0.038483	0.373688
SCARNA10;ATN1;CD163;C3AR1;ZNF384	0.152399	2.085688	0.038493	0.373747
	-0.32847	-2.08467	0.038587	0.374074
	0.337439	2.082353	0.038801	0.374793
	0.234981	2.086171	0.038449	0.373588
	0.324599	2.087809	0.038299	0.373012
	-0.15389	-2.07605	0.039387	0.376622
	0.232499	2.078493	0.039159	0.37589
	-0.19131	-2.08095	0.038931	0.375277
TRAF4	-0.23338	-2.08524	0.038535	0.373886
MCAM;ENSG00000254561;USP2-AS1;CBL	-0.33628	-2.08239	0.038797	0.374779
	0.220663	2.084146	0.038635	0.374246
KIF26A;C14orf2;INF2;EIF5;ENSG00000259508;EXOC3L4;ENSG00000246451;KLC1;ENSG00000270108;ADSSL1	-0.36824	-2.08101	0.038925	0.375242
	-0.23086	-2.08591	0.038473	0.373665
	0.14599	2.087339	0.038342	0.373235
TIMP2;ENSG00000267506;CYTH1;C1QTNF1	0.286241	2.077722	0.039231	0.376149
PTPN7;RNPEP;ELF3;PPP1R12B	-0.22693	-2.08297	0.038743	0.374579
	-0.1548	-2.08153	0.038877	0.375117
	-0.13511	-2.08514	0.038544	0.373939
	0.180017	2.080562	0.038967	0.375408
HSPA12A;ENO4;ENSG00000225302	0.16742	2.084998	0.038557	0.373974
	0.236585	2.087055	0.038368	0.373293
	0.283852	2.085421	0.038518	0.373849
	-0.19564	-2.08139	0.03889	0.375139
	0.245847	2.084739	0.038581	0.374046
	-0.23328	-2.08035	0.038987	0.375492
	-0.17832	-2.08526	0.038533	0.373886
	-0.28207	-2.07852	0.039157	0.37589
	0.190601	2.086573	0.038412	0.373451
	0.150266	2.083156	0.038727	0.374524
	0.242732	2.081324	0.038896	0.375147
	-0.26512	-2.08328	0.038715	0.374469
C11orf63;ATP5F1P5;ENSG00000255248;HSPA8;SCN3B	-0.30356	-2.0776	0.039242	0.376199
	0.207	2.089695	0.038127	0.372545
PLEK;ARHGAP25	0.453537	2.084557	0.038597	0.374103

	-0.14337	-2.08396	0.038652	0.374252
	0.133158	2.085388	0.038521	0.373857
	-0.23986	-2.08786	0.038295	0.373012
TEAD2;MYH14;RCN3;CPT1C;VRK3;FCGRT;CARD8;RRAS	0.429983	2.087179	0.038357	0.373293
IRAK3	-0.29771	-2.07389	0.039591	0.377193
	-0.198	-2.08571	0.038492	0.373739
	-0.21818	-2.07964	0.039052	0.375632
TFAP2C;RAE1;CASS4	0.209076	2.081196	0.038908	0.375147
	-0.12339	-2.08164	0.038866	0.375076
	-0.27303	-2.07601	0.039391	0.376629
SNHG3;SNORA73B	0.150129	2.080721	0.038952	0.375352
	0.141183	2.079228	0.039091	0.375705
PDGFB;ADSL	-0.21646	-2.0862	0.038447	0.373582
	0.182214	2.086045	0.038461	0.373622
	-0.14429	-2.08152	0.038878	0.375117
	0.423427	2.088545	0.038232	0.372918
	0.25045	2.079321	0.039082	0.375705
	0.249138	2.082758	0.038763	0.374642
	-0.21797	-2.08831	0.038254	0.372965
	-0.22284	-2.08535	0.038524	0.373857
AK2	0.154987	2.083692	0.038677	0.374367
	-0.28786	-2.08098	0.038927	0.375251
SLC23A1	-0.20625	-2.07811	0.039195	0.376032
	0.22412	2.084882	0.038567	0.374008
RNF216;CYTH3;RSPH10B;ZDHHC4;EIF2AK1;FSCN1	-0.38704	-2.08304	0.038737	0.37456
	-0.20993	-2.08347	0.038698	0.374382
COL5A1;OLFM1	-0.24443	-2.08803	0.038279	0.373012
ENSG00000264198;IKZF3;PLXDC1;ERBB2;IGFBP4	-0.24114	-2.08416	0.038634	0.374246
	-0.20481	-2.08608	0.038458	0.37362
	-0.31455	-2.0848	0.038575	0.374042
	0.160878	2.083663	0.03868	0.374367
WFDC6;EPPIN;HSPD1P21;ENSG00000269549;SYS1;CD40	0.238205	2.084947	0.038561	0.373974
	-0.26447	-2.08263	0.038775	0.374682
HLA-F;SCAND3;OR2I1P	0.23217	2.084751	0.038579	0.374046
	0.228806	2.084734	0.038581	0.374046
C20orf195	-0.3195	-2.08646	0.038423	0.373501
	-0.29325	-2.08624	0.038443	0.373576
	-0.19435	-2.08102	0.038924	0.375242
	0.15342	2.069505	0.040005	0.378364
	0.318369	2.082863	0.038754	0.374593
	-0.40069	-2.07394	0.039585	0.377186
	0.178848	2.079237	0.03909	0.375705
ANLN	0.288859	2.083616	0.038684	0.374382
	-0.211	-2.08032	0.038989	0.375492
BAI1;GPIHBP1;LYNX1;PSCA;TSTA3	-0.15214	-2.08391	0.038657	0.374273
	-0.15858	-2.08346	0.038698	0.374382
SLC46A1;IFT20;LYRM9	-0.2607	-2.07716	0.039283	0.376245

LAMC2	0.292621	2.087021	0.038371	0.373302
FENDRR;FOXF1;FOXL1	-0.21969	-2.08058	0.038965	0.375402
	0.262568	2.07875	0.039135	0.375794
RNF213	-0.26251	-2.08353	0.038692	0.374382
	-0.22041	-2.07723	0.039277	0.376243
	0.26264	2.080528	0.03897	0.375416
EFEMP2;NAALADL1;LTBP3;RNASEH2C;SIPA1;PELI3;DPF2;CD248				
;MAP4K2;MUS81;PYGM;C11orf68;CDC42EP2;CST6	-0.25563	-2.08167	0.038864	0.375058
	-0.17561	-2.08486	0.038569	0.37401
	0.165326	2.083125	0.038729	0.374533
	-0.18249	-2.08298	0.038742	0.374579
	0.165944	2.086844	0.038387	0.37332
DGKH	0.341857	2.085763	0.038486	0.373713
NKD2	0.212478	2.079126	0.0391	0.375744
	0.192583	2.082395	0.038797	0.374779
	0.115487	2.080804	0.038944	0.375327
TIMP4;FBLN2;RAF1	-0.22157	-2.07717	0.039282	0.376245
	-0.19882	-2.08265	0.038773	0.374678
TSTA3;LY6D;GPIHBP1;PSCA;LYNX1	0.205849	2.08228	0.038807	0.37483
	0.271415	2.075806	0.03941	0.376658
RAB6B;HMGB3P14;KY	-0.29308	-2.07633	0.039361	0.376566
	-0.19403	-2.07593	0.039399	0.376644
	0.204057	2.084701	0.038584	0.374051
	0.224967	2.085602	0.038501	0.373781
PPP1R18;NRM;DDR1;PPP1R10;HLA-E;TRIM39;HLA-F-AS1;HLA-F	-0.22494	-2.079	0.039112	0.375772
	0.178539	2.084152	0.038635	0.374246
RPF1	-0.2545	-2.0753	0.039457	0.376806
	0.149201	2.080851	0.03894	0.375327
	0.181591	2.08142	0.038887	0.375139
GFRA1	0.240183	2.079857	0.039032	0.375608
TCTN1;IFT81;USP30;ATP2A2;C12orf76;TRPV4;UBE3B	-0.3793	-2.07966	0.039051	0.375632
ZNRD1;HLA-H;HCG18	-0.23801	-2.08375	0.038672	0.374358
	0.19264	2.079735	0.039043	0.375632
	0.185008	2.086379	0.03843	0.37352
	0.306515	2.082029	0.038831	0.374912
	-0.32698	-2.07889	0.039122	0.375772
CCDC148;PLA2R1	-0.22748	-2.08216	0.038818	0.374864
	0.2221	2.081275	0.0389	0.375147
NLRC5;GPR114;CETP;GNAO1;ENSG00000261270;MT1E	0.341352	2.086758	0.038395	0.373353
	-0.30803	-2.08213	0.038821	0.374864
	-0.11268	-2.08341	0.038703	0.374399
	0.362868	2.079967	0.039022	0.375568
ZIK1;ZNF772	0.31897	2.077358	0.039265	0.376214
	0.127769	2.076923	0.039306	0.376342
	-0.23651	-2.08253	0.038784	0.374711

	0.143033	2.073984	0.039581	0.377173
	-0.20592	-2.08586	0.038477	0.373668
	0.212538	2.08032	0.038989	0.375492
	0.198509	2.082756	0.038763	0.374642
HLA-F;HCP5;HLA-B;HLA-E;HLA-C;HLA-A;LST1	0.326556	2.080128	0.039007	0.375517
DOCK3;SEMA3G;POC1A;ALAS1;PPM1M;PCBP4;GNL3;ITIH3;VPR BP	-0.22278	-2.08663	0.038407	0.373428
PHLDB1;AMICA1;SCN2B;SCN4B	0.181873	2.079763	0.039041	0.375632
MUC5B	0.340533	2.07877	0.039133	0.375792
SSBP2	0.178949	2.082808	0.038759	0.374629
	-0.17266	-2.07695	0.039303	0.376333
CEP68;SPRED2;AFTPH;PELI1	-0.2726	-2.08081	0.038943	0.375327
TMEM80	-0.22629	-2.08522	0.038536	0.373889
GPR133	-0.22277	-2.08478	0.038577	0.374046
	0.281696	2.079247	0.039089	0.375705
	0.2441	2.080579	0.038965	0.375402
FGFR3;WHSC1;RNF212;TACC3	0.274541	2.082763	0.038763	0.374642
BOK;PPP1R7	-0.20817	-2.08429	0.038622	0.374195
PEX14	-0.22945	-2.08593	0.038471	0.373665
	0.316544	2.079432	0.039072	0.375671
NDUFS6;CLPTM1L	0.181818	2.076273	0.039366	0.376566
AHNAK2;IGHG1;IGHG2	-0.28941	-2.08257	0.03878	0.37471
CLDN7;TNK1;AURKB;ELP5;TXNDC17;BCL6B;TNFSF12;FAM64A	-0.24386	-2.08147	0.038883	0.375139
	-0.15221	-2.0853	0.038529	0.373878
	0.188413	2.082451	0.038792	0.374753
KIN	0.259523	2.084952	0.038561	0.373974
	-0.33724	-2.08379	0.038668	0.374341
	-0.15972	-2.07752	0.03925	0.376205
	-0.24683	-2.08556	0.038505	0.373791
TRAC;RBM23;SLC7A7	0.255692	2.083921	0.038656	0.374272
CACNA1A	-0.15025	-2.08265	0.038773	0.374678
	-0.17762	-2.0848	0.038575	0.374042
DLST	-0.19903	-2.0827	0.038769	0.374666
	0.213792	2.081069	0.03892	0.375224
	0.23566	2.079592	0.039057	0.375632
	-0.14764	-2.08454	0.038599	0.374113
LDLRAD1;HSPB11;DIO1;ENSG00000197015;TCEANC2;ENSG000 00237611;LRP8	-0.20379	-2.06964	0.039991	0.378307
TAX1BP1;HIBADH	0.254496	2.084077	0.038642	0.374246
	0.195232	2.082325	0.038803	0.374806
CTCF	0.159844	2.084114	0.038638	0.374246
	0.158949	2.080619	0.038961	0.375402
	-0.23527	-2.0796	0.039056	0.375632
	-0.1418	-2.07938	0.039076	0.375671
	-0.18418	-2.08017	0.039003	0.375514
LINC01132	-0.212	-2.08623	0.038443	0.373576

	0.222324	2.083407	0.038703	0.374399
	-0.25663	-2.07997	0.039021	0.375568
	-0.21459	-2.07755	0.039247	0.376205
CDC42EP1	0.211396	2.087706	0.038308	0.373058
UACA;THSD4	0.21368	2.078375	0.03917	0.37594
	0.286908	2.075442	0.039444	0.376758
	-0.21086	-2.082	0.038834	0.374912
EVL	0.283727	2.082897	0.03875	0.374592
	-0.23954	-2.08495	0.038561	0.373974
	0.187176	2.08238	0.038798	0.374783
RGL2	-0.21169	-2.0858	0.038483	0.373688
	0.239109	2.081328	0.038896	0.375147
IGFBP4;MED24;ERBB2;MIEN1	-0.17155	-2.08412	0.038638	0.374246
IFNG-AS1	-0.25612	-2.08401	0.038648	0.374252
DENND3;PTP4A3	-0.2896	-2.08401	0.038647	0.374252
	0.117822	2.079081	0.039104	0.375752
ARHGEF15;NLGN2;KCTD11;ATP1B2;CLDN7;CYB5D1;CTC1;WRAP53;MYH10;VAMP2;TNFSF12;SLC2A4;MPDU1;TMEM107;ELP5;DNAH2;ACAP1	-0.31459	-2.07618	0.039375	0.376588
	0.256628	2.082615	0.038777	0.374692
	0.174166	2.084701	0.038584	0.374051
	-0.18119	-2.06983	0.039973	0.378251
TSPAN4;ATHL1	-0.18994	-2.07973	0.039044	0.375632
	-0.25295	-2.08304	0.038737	0.37456
	0.417988	2.082161	0.038818	0.374864
P2RY6;ARHGEF17	-0.22626	-2.08672	0.038398	0.373369
LINC01014;ENSG00000237978;KCNMB2;NDUFB5;LINC00578	-0.37294	-2.07759	0.039243	0.376199
	-0.27592	-2.08347	0.038697	0.374382
	-0.20512	-2.0833	0.038713	0.374468
	-0.18626	-2.07897	0.039114	0.375772
	0.187056	2.07759	0.039243	0.376199
LRRC37A4P;ENSG00000263503;CRHR1-IT1;DND1P1	0.138973	2.075424	0.039446	0.376764
	0.226291	2.081787	0.038853	0.374998
	0.228257	2.07523	0.039464	0.376819
	0.287862	2.087183	0.038356	0.373293
	-0.2338	-2.0861	0.038456	0.373617
	-0.2442	-2.07347	0.039629	0.377298
	0.155649	2.081879	0.038845	0.374942
	-0.41591	-2.08447	0.038606	0.374129
	-0.12268	-2.08168	0.038863	0.375058
	0.244252	2.079766	0.039041	0.375632
ABAT;TMEM186	-0.30415	-2.08255	0.038783	0.37471
	0.267513	2.07886	0.039125	0.375772
B2M;SQRDL;TRIM69;SERF2;PDIA3;SHF	-0.32809	-2.08366	0.03868	0.374367
	0.186086	2.077515	0.03925	0.376205
PPP2R2B;DPYSL3	0.231039	2.082199	0.038815	0.374864

	-0.31221	-2.07306	0.039668	0.377364
KLK10	-0.14483	-2.078	0.039205	0.376082
NUDT19	-0.1549	-2.0791	0.039102	0.37575
NFATC4;TRAC;SLC22A17	-0.17272	-2.07948	0.039067	0.375649
	-0.30253	-2.07334	0.039642	0.3773
	0.238311	2.07938	0.039076	0.375671
LRRC45;PCYT2;BAIAP2-AS1;MAFG-AS1;ENSG00000263069;AZI1;CCDC57	-0.22218	-2.08047	0.038975	0.375452
	0.131544	2.081318	0.038897	0.375147
	0.227058	2.080596	0.038963	0.375402
	0.21287	2.079674	0.039049	0.375632
	-0.31912	-2.07921	0.039092	0.37571
	0.299331	2.081241	0.038904	0.375147
	0.212095	2.078484	0.03916	0.37589
LTF	-0.24579	-2.07191	0.039777	0.377697
ENSG00000264198;IKZF3;STARD3	-0.28349	-2.08029	0.038992	0.375492
MEG3;ENSG00000232018;ENSG00000225746	0.224708	2.077381	0.039263	0.376213
SLC36A1;CCDC69;PPARGC1B;PDE6A;GPX3	0.311873	2.078863	0.039125	0.375772
P2RX4;CAMKK2	0.225198	2.080767	0.038948	0.375338
	0.267387	2.079621	0.039054	0.375632
	0.177995	2.08017	0.039003	0.375514
	0.19645	2.083505	0.038694	0.374382
	0.202518	2.085469	0.038513	0.373836
MYO6	-0.18741	-2.07134	0.039831	0.377862
	0.129143	2.080156	0.039004	0.375517
	-0.17423	-2.08323	0.03872	0.37451
	0.251328	2.079048	0.039107	0.375765
ABI3	-0.29289	-2.08069	0.038954	0.375367
	-0.33686	-2.07775	0.039228	0.376134
	0.153723	2.077494	0.039252	0.376205
	-0.3315	-2.07623	0.03937	0.376566
	0.19721	2.071714	0.039795	0.377738
	0.256896	2.081992	0.038834	0.374912
ARID4A;CCDC175;GPR135;DACT1	0.219835	2.08119	0.038908	0.375147
	-0.2046	-2.08208	0.038826	0.374887
	-0.12831	-2.07881	0.03913	0.375777
TTC22;TMEM59;TCEANC2	-0.26305	-2.0723	0.03974	0.377562
	0.21385	2.077933	0.039211	0.376082
	-0.35644	-2.08149	0.038881	0.375131
PPP1R18;DDR1;CLIC1;HLA-E;HCG4;MRPS18B;NRM;LTB;HLA-F-AS1	-0.25336	-2.07785	0.039219	0.376082
	0.196607	2.08196	0.038837	0.374919
ATF6B	0.253921	2.082999	0.038741	0.374578
	-0.22741	-2.08382	0.038665	0.374319
	-0.13577	-2.07441	0.039541	0.377016
RWDD4;SLC25A4;WWC2	0.342205	2.081113	0.038915	0.375195
	-0.32895	-2.08314	0.038728	0.374524

	0.161143	2.080547	0.038968	0.375414
ZNF324B	0.329662	2.083709	0.038675	0.374367
C11orf21	-0.16808	-2.08429	0.038622	0.374195
FAM198A;NKTR;ENSG00000230084;ZNF662	-0.26728	-2.08277	0.038762	0.374642
	0.243859	2.084142	0.038636	0.374246
FUOM	-0.34588	-2.07665	0.039332	0.376454
CD7;ENSG00000263053	0.196242	2.074698	0.039514	0.376954
	-0.18148	-2.07364	0.039613	0.377245
	-0.26624	-2.08214	0.03882	0.374864
	-0.27543	-2.06935	0.040019	0.378381
	0.126456	2.078936	0.039118	0.375772
RUNX3	0.21831	2.08199	0.038834	0.374912
	-0.13389	-2.08012	0.039008	0.375518
	0.18223	2.080763	0.038948	0.375338
	-0.18218	-2.08122	0.038906	0.375147
	-0.18072	-2.07949	0.039067	0.375649
	0.248476	2.080418	0.03898	0.375452
MMRN2;SNCG;GRID1;LDB3;AGAP11;MINPP1	0.252934	2.079398	0.039075	0.375671
	0.128884	2.080644	0.038959	0.375401
ADAM9;EIF4EBP1	0.163012	2.078514	0.039157	0.37589
MYO1F;CD320	-0.20915	-2.07744	0.039257	0.376213
	0.194114	2.079705	0.039046	0.375632
	0.238476	2.075606	0.039429	0.376712
	0.123043	2.07939	0.039076	0.375671
	-0.13025	-2.08368	0.038678	0.374367
	0.224742	2.080833	0.038941	0.375327
	0.174051	2.080274	0.038993	0.375492
	-0.19311	-2.08203	0.03883	0.374912
	-0.22491	-2.08496	0.03856	0.373974
	-0.26608	-2.08291	0.03875	0.374592
	0.239593	2.080019	0.039017	0.375558
	0.295434	2.083112	0.038731	0.374536
	0.141161	2.081385	0.03889	0.375139
C11orf21	-0.20196	-2.08451	0.038602	0.374121
	0.208648	2.080805	0.038944	0.375327
	0.153931	2.072862	0.039687	0.377399
KIAA0125;IGHA1;IGHV3-15;IGHA2;IGHV3-23;IGHJ3P;IGHV3-21;IGHV4-34;IGHM;IGHV3-7;IGHG2;IGHG1;IGHV1-2;IGHG3;AHNAK2;IGHV4-39	-0.33876	-2.07567	0.039423	0.37668
ACAP1;CTC1;ELP5	-0.22202	-2.07926	0.039087	0.375705
	-0.19928	-2.08213	0.038821	0.374864
SALL2;ANG;TTC5;CCNB1IP1;NDRG2;ZNF219;METTL17	-0.27029	-2.07347	0.03963	0.377298
	-0.24171	-2.08189	0.038844	0.374942
SHANK2;ANO1	-0.23468	-2.07799	0.039206	0.376082
CPHL1P	-0.14939	-2.07905	0.039107	0.375765
RCSD1;ATP1B1;CD247;TBX19	-0.39726	-2.08106	0.03892	0.375224
	0.172702	2.079493	0.039066	0.375649

	0.279673	2.077083	0.039291	0.376267
C7orf49	-0.2976	-2.08153	0.038877	0.375117
	0.266758	2.078293	0.039178	0.375943
TRANK1;VILL;ACVR2B	-0.1945	-2.08153	0.038877	0.375117
	0.313441	2.082941	0.038746	0.374584
LATS2;MPHOSPH8;IFT88	0.214521	2.077759	0.039228	0.376133
C11orf63	-0.20648	-2.08044	0.038978	0.375452
	0.215232	2.078866	0.039124	0.375772
GPD1;CACNB3;FKBP11	0.15774	2.075064	0.03948	0.376866
ASB2;RIN3;PRIMA1	-0.26518	-2.08131	0.038897	0.375147
	-0.18491	-2.07884	0.039127	0.375772
TRMT1L	0.210962	2.080507	0.038972	0.375424
	-0.26107	-2.07877	0.039133	0.375792
	0.204685	2.071512	0.039814	0.377812
	-0.19573	-2.07888	0.039123	0.375772
SMAD9	-0.34744	-2.07321	0.039654	0.3773
	-0.2508	-2.08003	0.039016	0.375558
	-0.25515	-2.0789	0.039121	0.375772
	0.180582	2.077136	0.039286	0.376259
	-0.20644	-2.07795	0.03921	0.376082
	-0.23649	-2.07927	0.039087	0.375705
	0.280334	2.078367	0.039171	0.37594
	-0.22918	-2.07564	0.039426	0.37669
	-0.15058	-2.08013	0.039006	0.375517
	0.221381	2.076784	0.039319	0.376379
GMPPA;RUFY4	-0.41838	-2.08127	0.038901	0.375147
UQCR10;SMTN;PES1;EWSR1	0.313382	2.08199	0.038834	0.374912
	0.272327	2.079165	0.039096	0.375737
APOL3	-0.35519	-2.08073	0.038951	0.375352
	0.311699	2.079988	0.03902	0.375567
	0.246334	2.080815	0.038943	0.375327
	0.246759	2.073696	0.039608	0.377245
	0.226058	2.083517	0.038693	0.374382
RNA5SP155	0.13675	2.084432	0.038609	0.374129
	-0.22342	-2.08215	0.038819	0.374864
FGD5;GRIP2;ENSG00000228242;BTD;ENSG00000251576;ZFYV E20;TMEM43	0.165027	2.072956	0.039678	0.377397
	-0.1895	-2.075	0.039485	0.376886
	0.218089	2.076593	0.039337	0.376465
	-0.15149	-2.08024	0.038997	0.375492
NAT1	-0.29178	-2.07657	0.039339	0.376465
	0.366857	2.077924	0.039212	0.376082
	0.197968	2.082934	0.038747	0.374584
	0.220003	2.079165	0.039096	0.375737
	-0.31303	-2.08026	0.038995	0.375492
LINC00641;RNASE1;HNRNPC;ARHGEF40	-0.32743	-2.07873	0.039137	0.375798
	-0.24541	-2.08199	0.038834	0.374912

	-0.18589	-2.07446	0.039537	0.377008
	-0.32074	-2.07508	0.039478	0.376866
	-0.2634	-2.08027	0.038994	0.375492
	0.17261	2.078868	0.039124	0.375772
	-0.16012	-2.07785	0.039219	0.376082
HYDIN;ZNF19;PMFBP1	0.180314	2.07116	0.039848	0.377894
	0.210529	2.082527	0.038785	0.374711
	0.212576	2.077067	0.039292	0.376267
	-0.1347	-2.08138	0.03889	0.375139
	0.270297	2.074516	0.039531	0.377008
	0.193278	2.071164	0.039847	0.377894
	-0.32594	-2.08226	0.038809	0.374835
ATP11A;ADPRHL1;DCUN1D2;TUBGCP3;ATP11A-AS1	-0.34759	-2.08124	0.038904	0.375147
	0.367063	2.082872	0.038753	0.374593
SPATA33;GAS8;ENSG00000260259;GALNS;ANKRD11;SPIRE2;FA				
NCA;ENSG00000260923;C16orf3	-0.25346	-2.07428	0.039554	0.377078
	0.241024	2.079361	0.039078	0.37568
ZNF366;ENSG00000261269	0.260487	2.07664	0.039332	0.376454
ZEB2;ENSG00000176824;ARHGAP15;TEX41	-0.34776	-2.08122	0.038905	0.375147
AHCYL2;SMO;LRRC4	-0.35483	-2.0799	0.039028	0.375584
MCOLN2;PRKACB;MCOLN3;LPAR3	0.379038	2.081375	0.038891	0.375139
GATA2;ENSG00000244300;KIAA1257	0.260027	2.0824	0.038796	0.374779
ENSG00000234869;CERK;CELSR1	-0.3318	-2.07396	0.039583	0.377184
	-0.26214	-2.0823	0.038806	0.374823
	0.291135	2.075935	0.039398	0.376644
	-0.19848	-2.07259	0.039713	0.377503
SENP7;IMPG2	-0.18503	-2.07858	0.039151	0.375861
PITPNC1;HELZ;ENSG00000267731;C17orf58	0.349615	2.083326	0.038711	0.374455
	0.283067	2.079714	0.039045	0.375632
PIEZO1;CBFA2T3;RNF166;ENSG00000224888;ENSG000002612				
26;ENSG00000260121;SPIRE2;ENSG00000259881;SPATA33	0.177346	2.072325	0.039738	0.377562
	0.18588	2.074243	0.039557	0.377086
ATP8B2;NPR1;JTB;S100A9;S100A6;ILF2;GATAD2B;C1orf43	-0.25809	-2.0777	0.039233	0.376157
	-0.1837	-2.07753	0.039249	0.376205
	0.23741	2.079565	0.039059	0.375632
BCAS2;DENND2C	-0.29937	-2.07434	0.039548	0.377043
	0.241341	2.07805	0.0392	0.376067
NOS3;GIMAP8;GIMAP6;GIMAP1;CDK5;REPIN1	-0.25164	-2.07512	0.039475	0.376866
	-0.12853	-2.08001	0.039018	0.375558
	0.233536	2.080427	0.038979	0.375452
	-0.173	-2.07835	0.039173	0.37594
	-0.31321	-2.08315	0.038727	0.374524
	0.276903	2.083042	0.038737	0.37456
	0.229645	2.07575	0.039415	0.376663
PUS10	-0.1406	-2.07455	0.039528	0.377008

HSPA12B;ADAM33;FASTKD5;STK35;MRPS26;ZNF343;NOP56;AT				
RN;SIRPA	0.378246	2.076536	0.039342	0.376469
TRAF3IP3	0.258055	2.08018	0.039002	0.375514
	-0.14447	-2.07826	0.039181	0.375944
	-0.34405	-2.07683	0.039314	0.376365
LRRC37A17P	0.1474	2.078334	0.039174	0.37594
PRR15	-0.21299	-2.07579	0.039412	0.376659
	0.197451	2.078586	0.03915	0.375861
	-0.14889	-2.0758	0.039411	0.376658
	0.112244	2.077503	0.039251	0.376205
	0.223728	2.081242	0.038904	0.375147
	0.191623	2.078254	0.039181	0.375944
FAM86B2;BLK	-0.33218	-2.08181	0.038851	0.374997
	0.165287	2.078592	0.03915	0.375861
PARVA;TEAD1	-0.23557	-2.08191	0.038842	0.37494
	0.170161	2.076923	0.039306	0.376342
ERO1L	0.356122	2.081694	0.038862	0.375057
	0.362635	2.076845	0.039313	0.376365
	0.270132	2.077977	0.039207	0.376082
GNA12;PSMG3;ELFN1;LFNG	0.203987	2.070594	0.039901	0.378016
VTRNA1-3;MATR3	0.140484	2.077339	0.039267	0.376214
	-0.1988	-2.07592	0.0394	0.376646
	-0.18837	-2.0712	0.039844	0.377894
MRVI1	-0.1899	-2.08342	0.038702	0.374399
ACTR3C	-0.21788	-2.07957	0.039059	0.375632
ENSG00000269832	-0.27824	-2.07229	0.039741	0.377563
	0.183586	2.068967	0.040056	0.378458
	-0.20522	-2.07662	0.039334	0.376459
PRR15L;HOXB3;HOXB4;ITGB3	-0.22514	-2.07965	0.039051	0.375632
	0.247327	2.081397	0.038889	0.375139
MAL2;MRPL13;TAF2	0.256796	2.079386	0.039076	0.375671
	0.192474	2.082652	0.038773	0.374678
	-0.24797	-2.07735	0.039266	0.376214
	0.19718	2.08105	0.038921	0.375226
	-0.25865	-2.08076	0.038949	0.375338
C4orf22;RASGEF1B;ENSG00000232327	0.265137	2.075506	0.039438	0.376735
	0.2017	2.08024	0.038996	0.375492
	0.189881	2.082198	0.038815	0.374864
	-0.27047	-2.07874	0.039136	0.375794
AKR1C3;AKR1C2;AKR1C1;ENSG00000232807;FBXO18;IL15RA	-0.2455	-2.07837	0.039171	0.37594
RNF213	0.314739	2.077065	0.039292	0.376267
	-0.17702	-2.08035	0.038986	0.375492
	0.225358	2.070524	0.039908	0.37802
ZBTB47	-0.20861	-2.07286	0.039687	0.377399
PCYT1A;LINC00885	0.189629	2.077919	0.039213	0.376082
	0.261995	2.075934	0.039398	0.376644

	0.233135	2.078661	0.039143	0.375832
	0.100059	2.076748	0.039322	0.376397
	0.397579	2.080783	0.038946	0.375338
	-0.28159	-2.08061	0.038963	0.375402
	0.107201	2.078489	0.039159	0.37589
	-0.35208	-2.08161	0.038869	0.375088
	0.19741	2.080145	0.039005	0.375517
MRPL23;IGF2	-0.32146	-2.07403	0.039577	0.377157
	0.293184	2.082903	0.03875	0.374592
FAM167A;FAM86B2	-0.25437	-2.08064	0.03896	0.375401
	-0.23275	-2.08025	0.038996	0.375492
	-0.32097	-2.08134	0.038894	0.375147
	0.237929	2.077973	0.039208	0.376082
	-0.41188	-2.07899	0.039113	0.375772
	0.235951	2.082708	0.038768	0.374666
	-0.21617	-2.07742	0.039259	0.376213
	-0.15774	-2.07416	0.039565	0.377087
	-0.33334	-2.0772	0.03928	0.376243
	0.137665	2.079118	0.039101	0.375744
	-0.23042	-2.07081	0.039881	0.377961
	-0.15578	-2.08007	0.039012	0.37555
	0.161458	2.077093	0.03929	0.376267
PFDN5	0.142608	2.0794	0.039075	0.375671
	-0.2097	-2.07546	0.039442	0.376757
	-0.18237	-2.07951	0.039064	0.375649
	0.295836	2.079537	0.039062	0.375649
	0.265308	2.07623	0.03937	0.376566
DNAJA4;ADAMTS7;WDR61;CTSH;ACSBG1;PSMA4;MORF4L1	0.217778	2.08143	0.038886	0.375139
GPR133	-0.23588	-2.07447	0.039536	0.377008
	0.150349	2.078147	0.039191	0.376005
	0.217179	2.077129	0.039286	0.376259
	0.230766	2.077212	0.039279	0.376243
	-0.13994	-2.07546	0.039442	0.376757
	-0.11929	-2.08121	0.038906	0.375147
	-0.1405	-2.0764	0.039355	0.376552
	-0.20802	-2.07247	0.039724	0.377546
	0.252901	2.076734	0.039323	0.376402
	0.219572	2.078436	0.039164	0.375924
CDH24;RBM23;SLC22A17;DAD1	-0.25914	-2.07924	0.039089	0.375705
RFX8;ENSG00000272902;TBC1D8	-0.32236	-2.08025	0.038995	0.375492
HOXB4;HOXB3;CALCOCO2;NPEPPS	-0.12396	-2.07664	0.039332	0.376454
	0.220507	2.08162	0.038868	0.375088
	0.217236	2.07016	0.039942	0.378159
BPIFB2	-0.18418	-2.06724	0.04022	0.37895
TRAF3IP1;RAB17	-0.20226	-2.06824	0.040125	0.378733
	0.172673	2.069605	0.039995	0.378312

		-0.31047	-2.0794	0.039075	0.375671
MED22;COL5A1		-0.22313	-2.0708	0.039882	0.377961
		0.144933	2.073632	0.039614	0.377245
		0.131576	2.078948	0.039117	0.375772
ADCK4		0.162712	2.07958	0.039058	0.375632
		0.18711	2.078394	0.039168	0.37594
		-0.20868	-2.07626	0.039368	0.376566
		0.222654	2.079946	0.039024	0.375571
		0.20391	2.068257	0.040123	0.378733
		-0.13956	-2.06972	0.039984	0.378296
		0.189459	2.077399	0.039261	0.376213
		-0.13993	-2.07486	0.039499	0.376917
		0.117633	2.077193	0.03928	0.376243
IRX3;IRX5;CRNDE		-0.26707	-2.07914	0.039099	0.37574
		-0.24135	-2.07885	0.039126	0.375772
		-0.38829	-2.08037	0.038984	0.375486
LIMK2		0.182167	2.076127	0.03938	0.376608
		0.175664	2.075171	0.03947	0.376849
		0.162362	2.071752	0.039792	0.377736
		0.174385	2.07721	0.039279	0.376243
		0.131766	2.077859	0.039218	0.376082
		0.231399	2.076437	0.039351	0.376533
RER1		0.201915	2.069122	0.040041	0.378412
		-0.42276	-2.0782	0.039187	0.375969
		-0.18602	-2.07339	0.039637	0.3773
		0.210745	2.074903	0.039495	0.376907
PROM1;C1QTNF7;CC2D2A		-0.31408	-2.07627	0.039366	0.376566
ACP5;ZNF440;ILF3-AS1		0.330311	2.074432	0.039539	0.377011
ENSG00000227844		0.270172	2.07407	0.039573	0.377149
		-0.21299	-2.07618	0.039375	0.376588
CLSTN3;CD27;PTPN6;IFFO1		-0.22877	-2.07567	0.039423	0.37668
HAL		-0.29025	-2.07682	0.039315	0.376365
ENSG00000266994		-0.13175	-2.07492	0.039494	0.376907
		0.138317	2.077212	0.039279	0.376243
		0.21857	2.076101	0.039383	0.376614
FAM3D;DENND6A;ACOX2;IL17RD;ARF4		-0.27215	-2.07749	0.039253	0.376205
		-0.14615	-2.07126	0.039839	0.377882
		0.144159	2.074227	0.039558	0.377086
		0.219327	2.07822	0.039184	0.375957
		0.291502	2.07569	0.039421	0.37668
		0.206603	2.073272	0.039648	0.3773
		-0.14184	-2.07348	0.039629	0.377298
		0.219328	2.075778	0.039413	0.376659
		0.293563	2.065618	0.040375	0.379451
		-0.19553	-2.07522	0.039465	0.376819
	38777	0.225573	2.072904	0.039683	0.377399
TET3		-0.1879	-2.06635	0.040305	0.37916

KCNK1;COA6	-0.28217	-2.07198	0.03977	0.377669
SYT15;ANTXRLP1	0.264962	2.070447	0.039915	0.378024
FAM78B	-0.31334	-2.07589	0.039402	0.376649
POLR3K;SOX8;NME4	0.30049	2.071369	0.039828	0.377847
	-0.30586	-2.07212	0.039757	0.3776
	-0.23127	-2.07565	0.039425	0.37669
	-0.16436	-2.07484	0.039501	0.376922
	0.211855	2.077856	0.039219	0.376082
SMG6;ENSG00000262003;ENSG00000225084	0.314888	2.07926	0.039088	0.375705
	-0.139	-2.07868	0.039142	0.375827
	0.148883	2.071791	0.039788	0.377713
	-0.28653	-2.04886	0.042006	0.384288
	0.265184	2.068254	0.040123	0.378733
	0.190269	2.075761	0.039414	0.376663
	0.166512	2.077881	0.039216	0.376082
PPP1R7;FARP2	-0.28407	-2.07314	0.039661	0.377323
DENND4B;SHE;TDRD10;SNAPIN;S100A6	-0.19977	-2.07521	0.039466	0.37682
	-0.33434	-2.0816	0.03887	0.375088
	0.14005	2.078075	0.039198	0.376053
CDH13	-0.22262	-2.07961	0.039055	0.375632
	0.161005	2.075081	0.039478	0.376866
	-0.20871	-2.07123	0.039841	0.377882
	-0.28443	-2.07972	0.039045	0.375632
PEX6;LRRC73;DNPH1;RSPH9	-0.31257	-2.07887	0.039124	0.375772
ASH1L-AS1	-0.14146	-2.07234	0.039736	0.377562
NSFL1C;STK35	0.230214	2.077891	0.039215	0.376082
TBX3	0.265595	2.074703	0.039514	0.376954
	0.175845	2.075553	0.039434	0.376735
	-0.19537	-2.06957	0.039999	0.378334
	-0.37824	-2.07247	0.039724	0.377546
	0.180318	2.076311	0.039363	0.376566
	0.424813	2.078907	0.03912	0.375772
PADI1;ATP13A2;MFAP2	0.166092	2.070675	0.039894	0.378013
	0.189718	2.072753	0.039697	0.377418
	0.177606	2.078862	0.039125	0.375772
	0.181178	2.07231	0.039739	0.377562
	0.275417	2.066968	0.040246	0.379042
	0.249239	2.081293	0.038899	0.375147
	0.180851	2.077315	0.039269	0.376227
KRT18	0.17298	2.079786	0.039039	0.375632
	0.254824	2.069379	0.040016	0.378381
	0.260798	2.078025	0.039203	0.376081
TMCO4	-0.20993	-2.06498	0.040436	0.379643
PTGDS;UAP1L1;EGFL7;C9orf139;LCNL1;TUBB4B;AGPAT2;TUBB P5;C9orf163	-0.3047	-2.0784	0.039168	0.37594
IRF8;COTL1;ENSG00000261471	-0.28037	-2.07859	0.03915	0.375861
	-0.28786	-2.07388	0.039591	0.377193

IFT43;CIPC;SAMD15;VASH1;TTLL5;GPATCH2L	0.158876	2.073166	0.039658	0.377309
	-0.30974	-2.07348	0.039629	0.377298
	-0.20029	-2.06703	0.04024	0.379029
	0.215416	2.074488	0.039534	0.377008
TTC39A;ENSG00000261664	0.197069	2.071115	0.039852	0.377894
	0.148593	2.078637	0.039146	0.375846
	-0.166	-2.07552	0.039437	0.376735
	-0.31265	-2.07422	0.039559	0.377086
	0.247883	2.073885	0.039591	0.377193
	0.252022	2.07909	0.039103	0.375752
GPR133	-0.23295	-2.07729	0.039271	0.37624
	-0.18147	-2.07343	0.039633	0.377298
BAIAP2;STRA13	-0.1924	-2.07784	0.039219	0.376082
	0.220145	2.078856	0.039125	0.375772
	-0.29505	-2.07723	0.039277	0.376243
	-0.15833	-2.07738	0.039263	0.376213
NME4;CACNA1H;ABCA3;SOX8	-0.32881	-2.07602	0.03939	0.376629
	0.284148	2.071179	0.039846	0.377894
LATS2	-0.30136	-2.07232	0.039738	0.377562
PPP1R18;SLC44A4;DDR1;CLIC1;PPP1R10;NRM;DHX16;PPP1R11				
;DDAH2;LY6G5C;VWA7;BAG6;MDC1	-0.39249	-2.07483	0.039502	0.376922
	-0.21571	-2.0758	0.039411	0.376658
KLK11;MYH14;CLEC11A;ENSG00000204666	-0.23977	-2.07769	0.039234	0.376157
	0.169796	2.075067	0.039479	0.376866
	-0.28516	-2.07825	0.039181	0.375944
	0.13192	2.074706	0.039513	0.376954
ADCY7;SNX20;CYLD	0.339965	2.07971	0.039046	0.375632
	0.19545	2.080029	0.039016	0.375558
	0.265573	2.078908	0.03912	0.375772
CD40;SDC4;SLC2A10	0.289255	2.076852	0.039312	0.376365
	0.120535	2.075863	0.039405	0.376649
	0.246035	2.078524	0.039156	0.37589
	0.182441	2.078855	0.039125	0.375772
HAS2	-0.27499	-2.07393	0.039586	0.377186
OSBPL2;SLC17A9;SLCO4A1;C20orf166-AS1	-0.21911	-2.07218	0.039751	0.377597
	-0.19963	-2.07444	0.039538	0.377011
PFDN6	-0.22814	-2.07333	0.039643	0.3773
GRASP;ACVRL1;TENC1;POU6F1;KRT18;ACVR1B;KRT80;KRT8;KR				
T7;SMAGP	-0.23094	-2.07262	0.03971	0.377489
	-0.18991	-2.07528	0.03946	0.37681
P2RX7	-0.16004	-2.07739	0.039262	0.376213
ENSG00000226026	-0.26668	-2.07342	0.039634	0.377298
	-0.20023	-2.07527	0.039461	0.37681
LPAR3;RPF1	-0.23714	-2.0779	0.039214	0.376082
	0.194813	2.077809	0.039223	0.376105
	0.194514	2.067926	0.040155	0.378816
DNAAF3;ZSCAN5A;ENSG00000267710;ZNF628	-0.18941	-2.08024	0.038996	0.375492

COL6A3	0.140531	2.074844	0.0395	0.376922
	0.249455	2.068627	0.040088	0.378633
	0.252408	2.064256	0.040505	0.379833
	0.210559	2.077063	0.039293	0.376267
	-0.23542	-2.07656	0.03934	0.376465
	-0.15826	-2.07333	0.039643	0.3773
	0.270285	2.074632	0.03952	0.376963
FLI1;ARHGAP32;ETS1;TP53AIP1	0.292865	2.075357	0.039452	0.376776
	-0.10439	-2.07416	0.039565	0.377087
MORN1;C1orf222;TTC34;TTLL10;ENSG00000269896;TTLL10-AS1;TNFRSF18;ENSG00000272106;C1orf86	-0.18069	-2.06895	0.040057	0.378458
	-0.23902	-2.07721	0.039279	0.376243
	-0.1466	-2.07153	0.039813	0.377812
	-0.17967	-2.07222	0.039747	0.377592
	-0.2153	-2.07325	0.03965	0.3773
	0.126401	2.076036	0.039389	0.376629
AAMDC	-0.14419	-2.07977	0.03904	0.375632
	-0.17434	-2.07528	0.039459	0.37681
	-0.1122	-2.06897	0.040055	0.378458
	0.208043	2.067776	0.040169	0.378872
TRAC;SLC7A7	-0.30274	-2.07324	0.039651	0.3773
	-0.12127	-2.07473	0.039511	0.376954
	-0.38732	-2.07745	0.039256	0.376213
JTB;NPR1;S100A8;ATP8B2;S100A6;GATAD2B;ILF2;S100A9;CREB3L4;TPM3;C1orf43;S100A14;S100A13	-0.26758	-2.07952	0.039063	0.375649
ENSG00000270571	-0.15348	-2.075	0.039486	0.376886
ENSG00000267053;DMKN	-0.18261	-2.0779	0.039214	0.376082
	-0.2896	-2.07829	0.039178	0.375943
	0.182183	2.073612	0.039616	0.377254
	-0.1267	-2.07609	0.039383	0.376614
	0.184782	2.077025	0.039296	0.376285
	0.203786	2.076426	0.039352	0.376534
SPIRE2	-0.26149	-2.07741	0.03926	0.376213
	0.217982	2.071667	0.0398	0.377764
	0.286969	2.07659	0.039337	0.376465
	-0.13509	-2.07382	0.039597	0.377218
	0.17847	2.074749	0.039509	0.376954
	0.160233	2.075826	0.039408	0.376658
TTC22;ENSG00000197015;BSND;TMEM59	-0.25655	-2.0702	0.039939	0.378153
	0.225568	2.074467	0.039536	0.377008
	0.200498	2.06861	0.04009	0.37864
	0.158686	2.073286	0.039647	0.3773
	0.208421	2.073015	0.039672	0.377364
	0.277299	2.074485	0.039534	0.377008
	0.230232	2.082235	0.038812	0.374853
COX14	-0.17893	-2.07278	0.039694	0.377418
	0.224553	2.075854	0.039406	0.376649

	0.140935	2.074459	0.039537	0.377008
	-0.24404	-2.07205	0.039763	0.377634
MBD5	-0.24084	-2.07271	0.039702	0.377436
NFASC;PIK3C2B	0.168695	2.074186	0.039562	0.377086
	0.285856	2.076538	0.039342	0.376469
HMBOX1	-0.26948	-2.07651	0.039345	0.376483
	0.304067	2.074767	0.039508	0.376954
HMGXB3;NDST1;MYOZ3;SYNPO;SPARC;ANXA6	0.211563	2.078498	0.039159	0.37589
	0.201092	2.077937	0.039211	0.376082
CELF2-AS1	0.288977	2.072186	0.039751	0.377597
	-0.22661	-2.07381	0.039598	0.37722
	-0.23944	-2.0783	0.039177	0.375943
	0.207814	2.072743	0.039698	0.377418
	-0.21484	-2.07738	0.039263	0.376213
	0.262944	2.070978	0.039865	0.377913
	-0.22995	-2.07206	0.039763	0.377634
	0.129117	2.074257	0.039556	0.377086
BOLL	0.098543	2.072205	0.039749	0.377592
RAET1E;ZC3H12D;PPP1R14C;ENSG00000268592	0.292554	2.076072	0.039385	0.376615
	0.185131	2.078322	0.039175	0.375941
	-0.17318	-2.07551	0.039438	0.376735
	-0.18029	-2.0772	0.03928	0.376243
MSLNL;METRN	-0.34625	-2.07712	0.039287	0.376259
EFEMP2;LTBP3	-0.28357	-2.07501	0.039485	0.376886
	-0.20879	-2.06485	0.040448	0.379643
	0.201534	2.074992	0.039487	0.376886
	-0.2523	-2.07202	0.039766	0.377646
	0.197621	2.069398	0.040015	0.378381
KLHDC1	0.23965	2.074021	0.039578	0.377157
CENPU;FAM149A;SLC25A4	0.340532	2.076675	0.039329	0.376446
MZB1	-0.27453	-2.07834	0.039173	0.37594
	-0.20626	-2.07499	0.039487	0.376886
ITGB3BP;KANK4	0.207099	2.07144	0.039821	0.377812
C3orf83;TIMP4	-0.33878	-2.0717	0.039796	0.377741
	-0.15493	-2.07464	0.03952	0.376963
	0.211493	2.075387	0.039449	0.376764
	-0.23896	-2.06917	0.040037	0.378412
	0.251097	2.07834	0.039173	0.37594
ATP2C2;TLDC1;WFDC1	-0.35991	-2.07703	0.039296	0.376285
	0.273607	2.074704	0.039514	0.376954
	-0.21166	-2.07574	0.039417	0.376663
	-0.27715	-2.07594	0.039398	0.376644
SOX17	0.26386	2.075954	0.039396	0.376644
	-0.1881	-2.07226	0.039743	0.377573
	-0.17556	-2.07631	0.039363	0.376566
KCNK1;LINC01132;COA6	-0.20509	-2.07243	0.039728	0.377557
	0.205402	2.07179	0.039788	0.377713

	-0.22828	-2.07355	0.039622	0.377276
	0.23297	2.077006	0.039298	0.376293
	-0.3059	-2.07616	0.039377	0.376598
	-0.33023	-2.07824	0.039183	0.375949
	0.22104	2.073292	0.039646	0.3773
ENSG00000256576	-0.20695	-2.07656	0.039339	0.376465
C16orf74;FAM92B;CRISPLD2;USP10;ENSG00000262601	-0.21179	-2.07084	0.039878	0.37796
	0.19422	2.069338	0.04002	0.378381
PDGFRB;HMGXB3	-0.26809	-2.07612	0.039381	0.376608
RN7SKP74	-0.29011	-2.07538	0.03945	0.376764
	0.303544	2.068814	0.04007	0.378537
MNAT1	0.162695	2.069709	0.039985	0.378296
NUDT6	0.259046	2.076791	0.039318	0.376379
	-0.12044	-2.07678	0.039319	0.376379
TMEM204;HN1L;SOX8;NME4;RGS11	-0.19035	-2.07776	0.039227	0.376133
	-0.24721	-2.07288	0.039685	0.377399
TRPV2;TBC1D27;ADORA2B	0.228029	2.07761	0.039241	0.376199
	-0.12105	-2.07585	0.039406	0.376649
ENSG00000235033;DAAM2;MOCS1;OARD1	-0.24776	-2.07217	0.039752	0.377599
	0.223516	2.07656	0.03934	0.376465
	0.2593	2.073555	0.039622	0.377276
STAT5A	-0.15071	-2.07312	0.039663	0.377334
STAB1;SEMA3G;PPM1M;DOCK3;NEK4;PCBP4;DNAH1;SFMBT1;				
POC1A;NT5DC2;GLT8D1;ITIH3;PBRM1	-0.20092	-2.07103	0.03986	0.377897
	0.104119	2.074733	0.039511	0.376954
FAM83H-AS1;ENSG00000255224;FAM83H	-0.37374	-2.07632	0.039362	0.376566
CBFA2T3	-0.2831	-2.07828	0.039179	0.375944
ENSG00000235159	-0.16565	-2.07235	0.039735	0.377562
	0.18648	2.073747	0.039604	0.377245
	-0.22349	-2.07607	0.039385	0.376615
	-0.13381	-2.07162	0.039804	0.37778
	0.40068	2.073782	0.0396	0.377228
CCDC8;PPP5C	-0.2934	-2.07205	0.039764	0.377634
	-0.26815	-2.07573	0.039418	0.376664
CLTCL1;RANBP1;UFD1L	0.30761	2.074609	0.039522	0.376966
DGKH	0.146211	2.075152	0.039472	0.376858
	0.166787	2.073674	0.03961	0.377245
CD52;ZNF683;ZDHHC18	0.137014	2.073334	0.039642	0.3773
	0.092064	2.073892	0.03959	0.377193
ZNF57;S1PR4;MATK	-0.30123	-2.07684	0.039313	0.376365
SLIT3;KCNMB1;LCP2;DOCK2	0.271801	2.079591	0.039057	0.375632
CD247;GPR161;MPC2	-0.2323	-2.07252	0.039719	0.377534
	-0.24075	-2.07722	0.039278	0.376243
CSGALNACT1	-0.22031	-2.07197	0.039771	0.377669
	0.225492	2.077366	0.039264	0.376214
	0.217688	2.067832	0.040164	0.378846
CORO2B	0.183665	2.073656	0.039612	0.377245

	-0.41718	-2.0762	0.039373	0.376585
PPP1R18;DHX16;DDR1	0.383051	2.077385	0.039262	0.376213
	0.177103	2.069198	0.040034	0.378412
	0.236944	2.07301	0.039673	0.377364
	-0.2426	-2.07132	0.039833	0.377862
DOC2B;C17orf97;TLCD2	-0.28114	-2.07589	0.039402	0.376649
PPP4R4	-0.28071	-2.06557	0.04038	0.379461
	0.195516	2.070625	0.039898	0.378016
	-0.15941	-2.06936	0.040019	0.378381
FENDRR;FBXO31;FOXF1;COX4I1	-0.16419	-2.07087	0.039875	0.377955
	0.178566	2.073683	0.03961	0.377245
	-0.13991	-2.07	0.039957	0.378233
	0.243357	2.071652	0.039801	0.377769
	-0.19742	-2.07626	0.039368	0.376566
DCDC2B;FNDC5;SYNC;IQCC;ZBTB8A;MTMR9LP;CSMD2;ZNF362 ;TMEM234;LCK	-0.27892	-2.07233	0.039737	0.377562
	-0.18563	-2.07214	0.039755	0.3776
	-0.21983	-2.07336	0.03964	0.3773
	-0.16975	-2.07539	0.039449	0.376764
	-0.13635	-2.0699	0.039967	0.378237
	-0.18051	-2.07636	0.039359	0.376566
	-0.17347	-2.07059	0.039902	0.378016
	-0.14111	-2.07531	0.039457	0.376806
	0.305372	2.072919	0.039682	0.377399
	-0.20955	-2.07876	0.039134	0.375792
	0.176658	2.075684	0.039422	0.37668
	0.183502	2.070475	0.039913	0.37802
	0.357226	2.074884	0.039497	0.376913
	-0.52571	-2.07575	0.039416	0.376663
	-0.13962	-2.07318	0.039657	0.377303
	0.173651	2.075067	0.03948	0.376866
	-0.26401	-2.07476	0.039508	0.376954
	0.161917	2.068814	0.04007	0.378537
	0.211437	2.074279	0.039554	0.377078
	0.219624	2.076117	0.039381	0.376608
	0.201472	2.073005	0.039673	0.377364
IKZF1;COBL	0.283603	2.077533	0.039249	0.376205
	0.170802	2.071477	0.039818	0.377812
PXDN	-0.18613	-2.0665	0.04029	0.379136
	-0.15558	-2.07418	0.039562	0.377086
	0.362808	2.073656	0.039612	0.377245
	-0.12972	-2.07304	0.03967	0.377364
	-0.13072	-2.07379	0.0396	0.377228
PARP15;EAF2	-0.28421	-2.07487	0.039498	0.376915
	-0.12237	-2.07181	0.039787	0.377713
PDCD6	0.232493	2.076009	0.039391	0.376629

GJC1;GPATCH8;ENSG00000267505;EFTUD2;FZD2;ACBD4;ENSG00000267405;MAP3K14;HEXIM1;KANSL1;MAPT;HIGD1B;ADAM11	-0.24286	-2.07139	0.039826	0.377842
PNMAL2	0.254841	2.069394	0.040015	0.378381
	-0.14388	-2.07184	0.039783	0.377713
	0.199431	2.071869	0.039781	0.377708
	-0.17788	-2.07439	0.039543	0.377022
SNHG7	-0.16413	-2.07587	0.039404	0.376649
	0.239256	2.065914	0.040347	0.3793
	0.182733	2.068089	0.040139	0.378764
	-0.32789	-2.07237	0.039734	0.377562
CCDC40;PCYT2;MAFG-AS1;BAIAP2-AS1	-0.20156	-2.07419	0.039562	0.377086
	-0.1601	-2.06763	0.040183	0.378874
	-0.13214	-2.07758	0.039244	0.376199
	-0.23332	-2.0724	0.03973	0.377562
	-0.22585	-2.076	0.039392	0.37663
	0.220407	2.075529	0.039436	0.376735
	0.164611	2.069384	0.040016	0.378381
	0.320256	2.072763	0.039696	0.377418
DLG5-AS1	0.229652	2.074004	0.039579	0.377163
	0.215094	2.066453	0.040295	0.379152
	0.161927	2.068224	0.040126	0.378733
	0.238431	2.075066	0.03948	0.376866
LRRC27;INPP5A;PWWP2B	-0.19615	-2.07307	0.039667	0.377364
	-0.13751	-2.07243	0.039727	0.377557
	-0.28913	-2.07448	0.039535	0.377008
	0.218222	2.071059	0.039857	0.377894
ISLR2;COX5A;SCAMP2;C15orf59;ISLR;LOXL1;NPTN;CSK	-0.25435	-2.07212	0.039757	0.3776
TMEM116;ENSG00000199899;CCDC42B;PTPN11	0.224436	2.0749	0.039495	0.376907
SNORA74A	-0.15112	-2.07074	0.039888	0.377979
	0.206452	2.070421	0.039918	0.378027
	0.275092	2.069933	0.039964	0.378233
	0.252399	2.075075	0.039479	0.376866
	-0.22838	-2.07465	0.039519	0.376963
	0.197487	2.071527	0.039813	0.377812
	-0.3224	-2.07407	0.039573	0.377149
	-0.1623	-2.07384	0.039595	0.377209
PRIMA1	-0.31904	-2.0754	0.039448	0.376764
OGN;ECM2;ROR2;OMD;ASPN	0.220017	2.071446	0.039821	0.377812
ZNF649	0.193058	2.073422	0.039634	0.377298
	0.454282	2.074934	0.039492	0.376903
	-0.20783	-2.07274	0.039699	0.377418
ANKLE2	-0.18782	-2.07322	0.039653	0.3773
SLC37A1	0.2188	2.074631	0.03952	0.376963
	0.183315	2.074744	0.03951	0.376954
SLC2A8	-0.18101	-2.07443	0.03954	0.377011
LGALS3;SAMD4A	0.260621	2.076262	0.039367	0.376566

GJC2;TRIM11;WNT3A	0.225055	2.065836	0.040354	0.379336
ANTXRLP1	0.222723	2.075524	0.039437	0.376735
	0.18686	2.072143	0.039755	0.3776
	0.243162	2.067729	0.040173	0.378874
	-0.14179	-2.07372	0.039606	0.377245
SLBP	0.177545	2.064017	0.040528	0.379905
GRIA1;CNOT8;FAXDC2	-0.22298	-2.07303	0.039671	0.377364
	0.220389	2.074387	0.039543	0.377022
EBF3	0.210944	2.074182	0.039563	0.377086
ARHGAP32	0.332972	2.069966	0.039961	0.378233
	-0.32365	-2.07029	0.03993	0.378092
	-0.32247	-2.07545	0.039443	0.376757
C14orf119;NGDN	-0.19129	-2.07228	0.039741	0.377563
	0.23249	2.073183	0.039657	0.377303
	0.124577	2.071064	0.039857	0.377894
ENSG00000234459;C7orf63	-0.36011	-2.07056	0.039905	0.378016
	0.263259	2.073683	0.03961	0.377245
	-0.13221	-2.07223	0.039747	0.377592
	-0.2107	-2.07594	0.039398	0.376644
NEUROD2;MIEN1;ENSG00000264198	0.182192	2.071061	0.039857	0.377894
	0.169208	2.06947	0.040008	0.378378
	0.207441	2.071718	0.039795	0.377738
ENSG00000230922;NUP50;ENSG00000226328	-0.23857	-2.0718	0.039787	0.377713
	0.193836	2.061832	0.040739	0.380572
GALNT16;ACTN1;EXD2	-0.2662	-2.07251	0.03972	0.377538
	0.262758	2.076895	0.039308	0.376359
	-0.20655	-2.07526	0.039461	0.37681
	-0.14202	-2.0765	0.039345	0.376483
	0.236834	2.072765	0.039696	0.377418
	-0.13045	-2.07094	0.039868	0.377921
PTP4A3;DENND3	-0.27641	-2.0706	0.039901	0.378016
	0.185075	2.073202	0.039655	0.377303
	0.084559	2.064518	0.04048	0.379753
	-0.2024	-2.07337	0.039639	0.3773
	0.212127	2.073413	0.039635	0.377298
ACACA;DHRS11;DUSP14;SYNRG;HNF1B	0.198752	2.066798	0.040262	0.379081
BNIP1	0.146577	2.075847	0.039406	0.376649
	0.134943	2.067203	0.040224	0.378968
PFKFB2;CD34;FAIM3;C1orf116;C4BPA	0.277477	2.067629	0.040183	0.378874
	-0.18954	-2.0688	0.040072	0.378537
COL6A5;KIAA1257	-0.33241	-2.07329	0.039647	0.3773
ENSG00000263264	0.31861	2.076231	0.03937	0.376566
	0.148305	2.074532	0.03953	0.377008
	0.289155	2.073867	0.039592	0.377194
B3GNT5	-0.14462	-2.07022	0.039936	0.378137
POLR1B;SLC35F5	-0.26165	-2.07452	0.039531	0.377008
	0.269027	2.071872	0.03978	0.377708

	0.353485	2.075406	0.039448	0.376764
	0.301093	2.066806	0.040261	0.379081
TMEM87A;ENSG00000174171	0.212837	2.072886	0.039685	0.377399
	0.16284	2.073901	0.039589	0.377193
	0.177113	2.073418	0.039635	0.377298
	0.46065	2.076284	0.039365	0.376566
TSPAN32	0.334618	2.067618	0.040184	0.378874
	-0.19864	-2.07353	0.039624	0.377285
HLA-F;PPP1R10;OR2I1P	-0.27294	-2.07345	0.039632	0.377298
	0.092739	2.068479	0.040102	0.378699
	0.242583	2.06914	0.040039	0.378412
	-0.2332	-2.06761	0.040184	0.378874
TPM1;TLN2;FBXL22	-0.27957	-2.06736	0.040209	0.378911
H19	0.130759	2.063224	0.040605	0.380117
	0.151588	2.069507	0.040004	0.378364
	0.243115	2.075059	0.03948	0.376866
	-0.17971	-2.06814	0.040134	0.378763
PGD	-0.38679	-2.06561	0.040375	0.379451
MPP6;OSBPL3;DFNA5;C7orf31	0.23311	2.066696	0.040272	0.3791
IL18RAP	-0.26686	-2.07324	0.039651	0.3773
	-0.30539	-2.07355	0.039622	0.377276
ENSG00000260908;C16orf93;ENSG00000260219;SETD1A;PHKG2;DOC2A;CTF1;ZNF688;TMEM219;PRR14;STX4;SRCAP;SEPHS2;PPP4C	-0.29001	-2.07055	0.039906	0.378016
	0.303194	2.073271	0.039648	0.3773
ZG16B;MSRB1;PDPK1	-0.32921	-2.07393	0.039586	0.377186
	-0.17051	-2.0774	0.039261	0.376213
	0.251308	2.069705	0.039986	0.378296
	0.261996	2.0688	0.040071	0.378537
	-0.22157	-2.06791	0.040156	0.378816
	0.162949	2.073216	0.039654	0.3773
COPG1;SEC61A1;GATA2;ENSG00000244300	0.208588	2.072338	0.039736	0.377562
	0.158555	2.06753	0.040192	0.378887
	-0.12638	-2.06489	0.040445	0.379643
	0.165437	2.073716	0.039606	0.377245
	-0.11885	-2.07237	0.039733	0.377562
	0.16786	2.068892	0.040063	0.378487
	0.217489	2.073002	0.039674	0.377364
GTPBP2;RSPH9;LRRC73;DNPH1;ABCC10;BYSL	-0.36296	-2.0696	0.039995	0.378312
	0.24325	2.071977	0.03977	0.377669
	0.268294	2.065648	0.040372	0.379451
	0.33217	2.073236	0.039652	0.3773
	-0.22579	-2.07124	0.03984	0.377882
	0.203049	2.069299	0.040024	0.378381
	-0.16947	-2.07013	0.039945	0.378164
CCDC3;FAM107B	-0.25991	-2.06779	0.040168	0.378872
	0.251174	2.066667	0.040275	0.3791

	-0.27786	-2.07371	0.039607	0.377245
FGGY	0.320736	2.070959	0.039867	0.377921
	0.1657	2.071241	0.03984	0.377882
	-0.13882	-2.06541	0.040395	0.379523
	-0.24886	-2.07117	0.039846	0.377894
	0.250462	2.074211	0.03956	0.377086
NOTCH4;UQCC2	-0.21117	-2.0733	0.039645	0.3773
	-0.20821	-2.06679	0.040263	0.379081
	0.253858	2.073478	0.039629	0.377298
	-0.14789	-2.07034	0.039925	0.378076
	0.208352	2.06574	0.040363	0.379389
PLXND1	-0.25416	-2.07437	0.039545	0.377026
	0.204548	2.074687	0.039515	0.376955
	0.286051	2.07403	0.039577	0.377157
CSRP3	-0.14983	-2.07404	0.039576	0.377157
	0.240491	2.071473	0.039818	0.377812
AMOTL1	0.258187	2.06746	0.040199	0.378887
	-0.13148	-2.07555	0.039434	0.376735
HS3ST6	0.249466	2.074349	0.039547	0.377039
ENSG00000260742	0.17615	2.071474	0.039818	0.377812
	0.209234	2.069972	0.03996	0.378233
	0.269302	2.066398	0.0403	0.379158
	-0.18003	-2.06997	0.03996	0.378233
	0.236661	2.06629	0.040311	0.379171
	0.120231	2.069374	0.040017	0.378381
	0.25693	2.072654	0.039706	0.377474
	0.215205	2.070754	0.039886	0.377979
SKI;ENSG00000272106	0.202411	2.071851	0.039782	0.377713
	0.187249	2.074621	0.039521	0.376963
BNIPL;CTSK	-0.38703	-2.07495	0.03949	0.376902
	-0.17528	-2.06768	0.040178	0.378874
	-0.14323	-2.06475	0.040458	0.379643
	0.268043	2.066653	0.040276	0.3791
HLF;ANKFN1	0.232354	2.072844	0.039689	0.377405
TRPM2	0.293816	2.065324	0.040403	0.379523
	-0.16212	-2.06785	0.040162	0.378846
	0.127729	2.071506	0.039815	0.377812
	-0.23538	-2.07154	0.039812	0.377812
YIPF3	0.119473	2.067281	0.040216	0.37894
	-0.22053	-2.07107	0.039857	0.377894
SERPING1	0.310139	2.065883	0.04035	0.379313
	0.283117	2.069319	0.040022	0.378381
	0.247056	2.067569	0.040189	0.378884
	-0.25941	-2.06395	0.040535	0.379944
	0.205025	2.06537	0.040399	0.379523
NDUFB5;KCNMB2;ACTL6A	0.293156	2.070751	0.039886	0.377979
	0.240294	2.072111	0.039758	0.3776

HIST1H2AH;HIST1H4L;HIST1H2AJ	0.280228	2.071932	0.039775	0.377694
WNT9A	0.245197	2.071474	0.039818	0.377812
TMCC2;SLC26A9	0.292794	2.070443	0.039916	0.378024
	0.136931	2.072462	0.039725	0.377546
	0.243962	2.069669	0.039989	0.3783
	0.13686	2.067987	0.040149	0.378801
	0.242732	2.068009	0.040147	0.378801
MEG3	0.250186	2.070434	0.039916	0.378024
	-0.18029	-2.06288	0.040638	0.380197
	-0.14849	-2.06965	0.039991	0.378307
	-0.22716	-2.06724	0.04022	0.37895
C19orf53	-0.21132	-2.07242	0.039729	0.377558
	0.23487	2.066101	0.040329	0.379223
ARHGAP29	-0.23622	-2.07467	0.039516	0.376958
	0.298797	2.073635	0.039614	0.377245
LINC01134;TP73;TTC34;CEP104;ENSG00000235131	-0.20639	-2.07254	0.039718	0.377531
	-0.18019	-2.06912	0.040041	0.378412
FAM219B	0.20565	2.066493	0.040291	0.379138
	-0.17875	-2.06239	0.040685	0.380369
CYGB;MXRA7;HID1;CASKIN2	-0.19667	-2.06838	0.040112	0.378733
PCMT1;SUMO4	0.140084	2.070565	0.039904	0.378016
	-0.21934	-2.07107	0.039856	0.377894
SPOCK2;DNAJB12	0.252782	2.070596	0.039901	0.378016
PSMG3	0.167901	2.06485	0.040449	0.379643
CD300A	-0.2917	-2.07496	0.039489	0.3769
	-0.33536	-2.06827	0.040122	0.378733
	0.128495	2.067626	0.040183	0.378874
MUC5AC	0.16022	2.069044	0.040048	0.378443
LINC00152	0.297869	2.070571	0.039903	0.378016
DDR1;TNXB	-0.23052	-2.07056	0.039904	0.378016
	0.162578	2.067556	0.04019	0.378884
	0.221361	2.072491	0.039722	0.377545
	0.097742	2.071081	0.039855	0.377894
	-0.21507	-2.07288	0.039685	0.377399
LDHA	-0.20651	-2.07072	0.039889	0.377981
	0.187834	2.06841	0.040109	0.378733
PWWP2B;LRRC27	0.243985	2.069115	0.040042	0.378412
	-0.14408	-2.07001	0.039957	0.378233
	0.227024	2.072754	0.039697	0.377418
	0.213108	2.068294	0.04012	0.378733
SRCIN1	0.370332	2.057121	0.041195	0.38198
	-0.32265	-2.07153	0.039813	0.377812
	0.145874	2.069274	0.040026	0.378395
	-0.28026	-2.0709	0.039872	0.377947
IGF2;NAP1L4;CARS;TSSC2	0.247111	2.07261	0.039711	0.377489
KEL	0.227376	2.071612	0.039805	0.37778
	-0.1456	-2.06301	0.040625	0.380169

	-0.13484	-2.06756	0.04019	0.378884
	-0.26188	-2.06503	0.040431	0.379633
	-0.25434	-2.06913	0.04004	0.378412
	0.168741	2.071618	0.039804	0.37778
	-0.17957	-2.05676	0.04123	0.382039
	0.242765	2.068186	0.04013	0.378745
	0.246487	2.070466	0.039913	0.37802
	0.102175	2.071463	0.039819	0.377812
	-0.26489	-2.07129	0.039836	0.377878
	-0.15561	-2.06747	0.040198	0.378887
CARD8;HRC;PLA2G4C	0.355493	2.069929	0.039964	0.378233
GPR110;RCAN2;CD2AP;TNFRSF21	-0.22742	-2.06897	0.040055	0.378458
	-0.21256	-2.06922	0.040032	0.378412
ANO1;SHANK2;TPCN2;MRGPRF;ENSG00000256508;ENSG0000				
0246889	-0.31282	-2.07014	0.039944	0.378159
	0.158587	2.06853	0.040097	0.378686
STMN3	-0.16207	-2.07123	0.039841	0.377882
GRASP;KRT18;ATF7;KRT7;KRT80;TENC1;ACVR1B;KRT8;PFDN5	-0.33381	-2.06525	0.04041	0.379532
	-0.28763	-2.07023	0.039936	0.378137
MCCC1	-0.30457	-2.06299	0.040627	0.380176
	0.752129	2.07718	0.039282	0.376245
	0.171715	2.070866	0.039876	0.377955
	0.295203	2.070815	0.03988	0.377961
SCARNA5	0.155186	2.073329	0.039643	0.3773
	0.193518	2.069473	0.040008	0.378378
	0.201585	2.069321	0.040022	0.378381
	0.275191	2.071049	0.039858	0.377894
	-0.13338	-2.07124	0.03984	0.377882
	-0.19849	-2.06746	0.040199	0.378887
	0.155835	2.06653	0.040288	0.379122
	0.163657	2.067914	0.040156	0.378816
	0.272162	2.069307	0.040023	0.378381
	0.123208	2.066437	0.040297	0.379152
SMIM5;DNAI2	0.205016	2.073588	0.039618	0.377267
	0.252442	2.067454	0.0402	0.378887
	0.192408	2.069976	0.03996	0.378233
	-0.31156	-2.07289	0.039684	0.377399
SNX20;ADCY7;NOD2	-0.15929	-2.06961	0.039995	0.378312
	0.176695	2.070545	0.039906	0.378016
SPATA33;CBFA2T3;GAS8;ENSG00000260259;ENSG0000026122				
6;FANCA	-0.29054	-2.06626	0.040313	0.379179
GFI1	0.227116	2.07138	0.039827	0.377846
	0.153372	2.068407	0.040109	0.378733
	0.207476	2.068092	0.040139	0.378764
	-0.18545	-2.07239	0.039731	0.377562
	0.170856	2.068206	0.040128	0.378736

	0.276856	2.071046	0.039858	0.377894
	-0.13656	-2.0706	0.0399	0.378016
	-0.22988	-2.07087	0.039875	0.377955
	0.12437	2.063094	0.040617	0.380155
	0.192084	2.063208	0.040606	0.380117
MEG3;RTL1;MEG8;ENSG00000225746;DEGS2;ENSG00000271417;HHIPL1;BEGAIN	-0.1996	-2.0611	0.040809	0.380744
TNS1;CXCR2;PNKD;RQCD1;WNT6	-0.25551	-2.07098	0.039864	0.377913
	0.154301	2.07277	0.039696	0.377418
	0.230303	2.070477	0.039912	0.37802
	0.130949	2.066225	0.040317	0.379184
	0.253779	2.071131	0.03985	0.377894
HMGN3-AS1;HMGN3;ENSG00000272137	-0.29024	-2.06498	0.040436	0.379643
EFCAB4B;CACNA1C	-0.22705	-2.06337	0.04059	0.380087
	0.251306	2.070481	0.039912	0.37802
CD52;RPS6KA1	0.176944	2.068024	0.040145	0.378799
DEF6	-0.27621	-2.06999	0.039958	0.378233
	0.317562	2.070338	0.039925	0.378076
ZNRD1-AS1	0.208247	2.070143	0.039944	0.378159
HLA-L;MRPS18B	0.216521	2.066914	0.040251	0.379055
	0.271505	2.069928	0.039964	0.378233
	0.246028	2.067257	0.040218	0.37895
	-0.20082	-2.05933	0.040981	0.381255
	-0.12124	-2.07221	0.039749	0.377592
	0.218253	2.069821	0.039975	0.378256
	0.157837	2.066911	0.040251	0.379055
	0.158705	2.071832	0.039784	0.377713
	0.17531	2.066612	0.04028	0.3791
	0.269944	2.067006	0.040242	0.379039
	0.200777	2.067965	0.040151	0.378801
	0.217366	2.069131	0.04004	0.378412
	0.238394	2.06931	0.040023	0.378381
	-0.28753	-2.06797	0.04015	0.378801
	0.167675	2.068125	0.040136	0.378764
	0.223828	2.071915	0.039776	0.377697
	0.217336	2.065867	0.040351	0.379317
	-0.21054	-2.06828	0.040121	0.378733
	0.205819	2.068583	0.040092	0.378654
	-0.17009	-2.06577	0.04036	0.379369
	-0.18477	-2.06969	0.039987	0.378296
	0.135538	2.06863	0.040088	0.378633
	-0.18732	-2.06768	0.040178	0.378874
	0.135395	2.07067	0.039894	0.378013
	0.238901	2.062888	0.040637	0.380197
IGF1	0.218464	2.066393	0.040301	0.379158
	0.15908	2.067708	0.040175	0.378874
HLA-F-AS1;HLA-L	-0.22734	-2.06354	0.040575	0.380082

	-0.11806	-2.07274	0.039699	0.377418
SYNJ2	-0.21015	-2.06978	0.039978	0.378278
	-0.27243	-2.06858	0.040093	0.378654
	-0.14137	-2.06477	0.040456	0.379643
RASGRP3	-0.32496	-2.07174	0.039792	0.377736
	0.099159	2.064948	0.040439	0.379643
	-0.31686	-2.07132	0.039832	0.377862
	0.182456	2.061462	0.040774	0.380629
TBC1D10C;ALDH3B1	0.327653	2.073656	0.039612	0.377245
	0.139651	2.062675	0.040657	0.380266
	0.143419	2.064053	0.040525	0.37989
	0.195605	2.059564	0.040958	0.381255
	-0.17648	-2.06837	0.040113	0.378733
	-0.23964	-2.06308	0.040618	0.380155
FAM149A;ANKRD37;SLC25A4;SORBS2;LRP2BP	0.249828	2.063213	0.040606	0.380117
AGO3;PSMB2;MRPS15;KIAA0319L;GJB5;TRAPPC3;COL8A2	0.3414	2.071315	0.039833	0.377862
	-0.16318	-2.07018	0.03994	0.378157
	0.227626	2.071556	0.03981	0.377812
ATP8B2;SYT11;SHE;TDRD10;ARHGEF2;PBXIP1	-0.24726	-2.06464	0.040469	0.379694
	-0.2155	-2.06618	0.040322	0.379184
	0.154378	2.071728	0.039794	0.377738
	-0.16638	-2.0625	0.040674	0.380351
	0.189484	2.068137	0.040134	0.378763
ENSG00000258699	0.294395	2.067665	0.040179	0.378874
	0.182365	2.06922	0.040032	0.378412
PKIB;HSF2	-0.27451	-2.06867	0.040084	0.378611
	-0.13344	-2.06433	0.040498	0.3798
	0.233675	2.071819	0.039785	0.377713
	-0.27745	-2.07261	0.03971	0.377489
	-0.17551	-2.07058	0.039903	0.378016
	0.102392	2.070736	0.039888	0.377979
OR5P3	-0.14691	-2.069	0.040052	0.378458
	-0.19214	-2.06422	0.040509	0.379834
	-0.2248	-2.06795	0.040153	0.378809
	-0.16608	-2.07031	0.039929	0.378089
	0.236196	2.067145	0.040229	0.378986
	0.199459	2.064795	0.040454	0.379643
	0.238379	2.066607	0.04028	0.3791
	-0.19658	-2.06828	0.040121	0.378733
MACF1	0.161814	2.066206	0.040319	0.379184
ATG16L2;STARD10;ARAP1	0.250021	2.067354	0.040209	0.378911
CHST4;MARVELD3;HYDIN;ZNF19;ENSG00000259901	-0.33234	-2.06658	0.040283	0.37911
SUN1;PRKAR1B;HEATR2;PSMG3	-0.18493	-2.06663	0.040278	0.3791
	-0.21119	-2.07213	0.039756	0.3776
MOCOS	0.302079	2.069095	0.040043	0.378414
BNIPL;TNFAIP8L2	-0.30624	-2.06392	0.040538	0.379954

	-0.31679	-2.06684	0.040258	0.379071
	0.19493	2.071882	0.039779	0.377708
	0.265642	2.069886	0.039968	0.378237
	0.223015	2.060124	0.040904	0.38113
C1QB	0.25744	2.069509	0.040004	0.378364
	-0.45856	-2.06984	0.039973	0.378251
	0.2035	2.067643	0.040182	0.378874
	0.264255	2.066609	0.04028	0.3791
	0.169677	2.053121	0.041586	0.383015
	0.174481	2.063814	0.040548	0.379979
LINC00094;ADAMTSL2;COL5A1;OLFM1	-0.31176	-2.06745	0.0402	0.378887
	0.19962	2.067283	0.040216	0.37894
	0.178195	2.072539	0.039717	0.377531
	-0.13975	-2.0685	0.0401	0.378693
MTIF3;POMP	0.198824	2.069924	0.039965	0.378233
	0.342276	2.071068	0.039856	0.377894
	0.195229	2.06558	0.040379	0.379458
	-0.25268	-2.06984	0.039973	0.378251
MEGF6;TP73-AS1	-0.27384	-2.07094	0.039868	0.377921
	0.228708	2.067442	0.040201	0.378887
BAIAP2;PCYT2	0.314404	2.066553	0.040286	0.379122
GIMAP8;GIMAP5;GIMAP7;GIMAP6;GIMAP1;GIMAP4;NOS3	0.274311	2.066446	0.040296	0.379152
EMILIN1;MAPRE3;DNMT3A;AGBL5;GAREML;DRC1;KCNK3;C2orf70	-0.2201	-2.07286	0.039687	0.377399
ENSG00000264198;IKZF3;PLXDC1;ERBB2	-0.28155	-2.07289	0.039684	0.377399
	-0.22385	-2.0692	0.040033	0.378412
	0.193698	2.070849	0.039877	0.37796
	0.150001	2.068479	0.040102	0.378699
ANO1;SHANK2;MRGPRF;TPCN2	-0.2791	-2.06784	0.040163	0.378846
	-0.2884	-2.06352	0.040576	0.380082
	-0.25132	-2.06521	0.040414	0.379548
PIEZO1;CBFA2T3;ENSG00000261226;ENSG00000259881	-0.19414	-2.07017	0.039942	0.378159
CYBA	0.203705	2.066154	0.040324	0.379184
	0.173201	2.071436	0.039822	0.377812
	-0.23366	-2.0693	0.040024	0.378381
	0.148488	2.066648	0.040276	0.3791
	0.288418	2.064801	0.040453	0.379643
C14orf119;ADCY4	-0.24108	-2.06995	0.039963	0.378233
HLA-F	-0.30744	-2.06902	0.04005	0.378453
	-0.13301	-2.06703	0.04024	0.379029
	0.112761	2.067296	0.040215	0.37894
	0.246374	2.066321	0.040308	0.37916
BAZ2B;RBMS1;PLA2R1	0.200557	2.068346	0.040115	0.378733
	0.154084	2.067424	0.040202	0.378887
CXCR6	-0.17662	-2.06969	0.039987	0.378296
ENSG00000255247;CD3D	-0.36908	-2.06988	0.039969	0.378237

	-0.13298	-2.06599	0.040339	0.379267
	-0.21143	-2.06944	0.040011	0.378381
	-0.21837	-2.06896	0.040057	0.378458
TENC1;PRR13;ATF7;ENSG00000257337;KRT8;KRT7	0.176244	2.070343	0.039925	0.378076
	-0.17393	-2.06917	0.040037	0.378412
	0.238247	2.06645	0.040295	0.379152
TSPAN4;DEAF1;MOB2	-0.19552	-2.06971	0.039985	0.378296
	-0.20654	-2.06674	0.040268	0.3791
	-0.13618	-2.06745	0.0402	0.378887
	0.174095	2.069774	0.039979	0.378278
	0.184218	2.062738	0.040651	0.38024
TIMP3	-0.17487	-2.06632	0.040308	0.37916
SMTN;ENSG00000198832;EIF4ENIF1;PES1;DUSP18	-0.27382	-2.06719	0.040225	0.378971
CAP2;KDM1B;RBM24	-0.29632	-2.06925	0.040028	0.378396
	0.237138	2.060514	0.040866	0.380971
	0.286447	2.065079	0.040427	0.379617
	0.152677	2.062928	0.040633	0.380197
	0.144311	2.06406	0.040524	0.37989
	0.336575	2.068171	0.040131	0.37875
	0.26265	2.062494	0.040675	0.380351
HLF	-0.25213	-2.0666	0.040281	0.3791
	-0.20593	-2.06842	0.040108	0.378733
DDI2;FBLIM1;DNAJC16	-0.20387	-2.06526	0.040409	0.379532
	-0.13165	-2.06686	0.040256	0.379071
	0.21634	2.067039	0.040239	0.379029
	-0.23382	-2.06735	0.040209	0.378911
	-0.15861	-2.07047	0.039913	0.37802
	0.273111	2.06992	0.039965	0.378233
TBX3;TBX5	-0.2934	-2.07082	0.03988	0.377961
	-0.1207	-2.06625	0.040315	0.37918
	-0.28561	-2.06834	0.040115	0.378733
	-0.31027	-2.07049	0.039911	0.37802
SLA2	-0.28384	-2.07048	0.039912	0.37802
	-0.21204	-2.05821	0.041089	0.381622
DERL3	0.168761	2.072834	0.03969	0.377406
EEF1DP3	0.210817	2.067738	0.040172	0.378874
	0.179182	2.063386	0.040589	0.380082
	-0.12925	-2.06433	0.040498	0.3798
	-0.2558	-2.07302	0.039672	0.377364
	0.208364	2.066601	0.040281	0.3791
FGFR4;COL23A1;ARL10;DBN1;PDLIM7	-0.34958	-2.06265	0.040659	0.380274
TMEM204;CACNA1H;MSRB1;HN1L;ENSG00000205890;KCTD5;				
ABCA3	0.280099	2.064361	0.040495	0.379796
	-0.28489	-2.06988	0.039969	0.378237
	0.156908	2.067774	0.040169	0.378872
MSMB	-0.64774	-2.06486	0.040447	0.379643
	-0.2555	-2.06718	0.040226	0.378976

	-0.18221	-2.06567	0.04037	0.379442
TEAD2;EHD2;RUVBL2;PRR12;RASIP1;GYS1;GLTSCR1;SEPW1	-0.23944	-2.05841	0.04107	0.381567
	0.259763	2.068676	0.040083	0.378611
GGT5;GGT1;DERL3;ADORA2A-AS1	-0.28656	-2.06765	0.040181	0.378874
	-0.20254	-2.06525	0.04041	0.379532
LCN2	-0.27471	-2.0691	0.040043	0.378414
CNIH1	0.185014	2.070001	0.039957	0.378233
	-0.12607	-2.06822	0.040127	0.378733
	0.168994	2.069257	0.040028	0.378396
RPL27	0.282146	2.066871	0.040255	0.379071
AFF3;KIAA1211L	-0.27399	-2.06377	0.040552	0.379996
	-0.20848	-2.06654	0.040287	0.379122
	-0.3288	-2.07102	0.039861	0.377899
	0.221727	2.060099	0.040906	0.38113
ATP6V0B	0.133673	2.069426	0.040012	0.378381
	0.12317	2.066743	0.040267	0.3791
ENSG00000262529	-0.14476	-2.06372	0.040557	0.38003
	0.19785	2.070742	0.039887	0.377979
GPATCH2L;CIPC;IFT43;AHSA1;ANGEL1	-0.2691	-2.06624	0.040315	0.37918
	-0.37358	-2.06531	0.040404	0.379523
	0.289718	2.069339	0.04002	0.378381
PEAR1;NES;KIRREL	0.236521	2.069683	0.039988	0.378296
	0.165402	2.063976	0.040532	0.379926
	0.229823	2.062265	0.040697	0.380427
SLIT3;ENSG00000248222;WWC1;TENM2	-0.35437	-2.06685	0.040257	0.379071
	-0.37488	-2.06852	0.040098	0.378688
PSMG3;GPR146;GNA12	0.203734	2.062411	0.040683	0.380369
IL18RAP	-0.23321	-2.06188	0.040734	0.38056
	0.320246	2.065454	0.040391	0.379513
SCARB1;ZNF664;BRI3BP;GTF2H3;NCOR2;TCTN2;TMED2;FAM10				
1A;RILPL1	-0.34005	-2.06709	0.040234	0.379016
GNAO1;MT1F	0.220284	2.067532	0.040192	0.378887
	0.2038	2.066701	0.040271	0.3791
P2RX4	0.173638	2.069601	0.039995	0.378312
	-0.19229	-2.06416	0.040515	0.379874
	0.108703	2.060229	0.040893	0.381104
	-0.31457	-2.06248	0.040676	0.380351
	0.243128	2.065987	0.04034	0.379267
	0.217029	2.068735	0.040078	0.378569
STPG1;RCAN3;LUZP1;SRRM1;ID3;IL22RA1;FUCA1;HMGCL	-0.43839	-2.06876	0.040075	0.378564
ENSG00000262652	-0.22015	-2.06423	0.040508	0.379833
IRF8	0.261169	2.06706	0.040237	0.379029
	0.253554	2.065927	0.040345	0.379296
	-0.20812	-2.06875	0.040077	0.378567
	0.218284	2.066976	0.040245	0.379042

	-0.26379	-2.06716	0.040228	0.378983
FGD5;FBLN2	-0.23581	-2.0599	0.040926	0.381221
	0.235654	2.065313	0.040404	0.379523
ADCYAP1R1;RPS27P16	-0.23246	-2.05977	0.040938	0.381239
	-0.2995	-2.06474	0.040459	0.379643
	0.145087	2.060378	0.040879	0.381015
	0.282365	2.061751	0.040746	0.380588
	0.198908	2.068071	0.040141	0.378764
	0.229546	2.05702	0.041205	0.38198
	0.223841	2.061588	0.040762	0.380627
	0.25109	2.064086	0.040522	0.379887
	-0.11411	-2.06116	0.040804	0.380742
	-0.2348	-2.07032	0.039927	0.378085
	-0.19998	-2.06655	0.040286	0.379122
ENSG00000262003;ENSG00000228133;FAM57A;RTN4RL1;PITP NA	0.131208	2.061095	0.04081	0.380744
	-0.16147	-2.06302	0.040624	0.380168
ATN1;ANO2;MRPL51;VWF;SCARNA10;CD9;COPS7A;LEPREL2	-0.18781	-2.06767	0.040179	0.378874
PIEZO2;IMPA2	-0.27571	-2.06616	0.040323	0.379184
	0.163617	2.068237	0.040125	0.378733
	-0.17376	-2.06202	0.040721	0.380524
	-0.21699	-2.06152	0.040769	0.380629
TRIM59	0.152284	2.068115	0.040137	0.378764
	-0.20229	-2.06285	0.04064	0.380197
	0.234681	2.057862	0.041123	0.381794
	0.228329	2.067722	0.040174	0.378874
	0.222645	2.066844	0.040258	0.379071
TGFB1I1;BCKDK;SETD1A;ENSG00000260219;SRCAP	-0.27052	-2.05926	0.040987	0.381267
	0.207882	2.064663	0.040466	0.379688
	0.227591	2.06424	0.040507	0.379833
	-0.33313	-2.06147	0.040773	0.380629
TNFAIP2;EXOC3L4	-0.22624	-2.06723	0.040221	0.37895
ENSG00000264198;IGFBP4;IKZF3;RARA;MSL1;PLXDC1;ERBB2	-0.34691	-2.06748	0.040197	0.378887
CACNA1C	0.283827	2.066641	0.040277	0.3791
	0.32099	2.068241	0.040125	0.378733
ENSG00000256576	0.224786	2.068986	0.040054	0.378458
	-0.14042	-2.06117	0.040802	0.380742
	-0.2869	-2.06798	0.040149	0.378801
	-0.29407	-2.06798	0.040149	0.378801
	0.182487	2.068218	0.040127	0.378733
	0.356732	2.06413	0.040518	0.379879
	-0.17995	-2.06298	0.040628	0.380179
	-0.24894	-2.06443	0.040489	0.379753
	0.164783	2.066951	0.040248	0.379044
	0.218604	2.062672	0.040658	0.380266

	-0.17637	-2.06412	0.040519	0.379883
	-0.23115	-2.06282	0.040643	0.380211
	-0.10552	-2.06595	0.040343	0.379291
AGBL5	-0.15948	-2.06606	0.040333	0.379229
	-0.17883	-2.06889	0.040063	0.378487
	-0.19806	-2.06942	0.040013	0.378381
	0.184629	2.068077	0.04014	0.378764
	0.265257	2.066326	0.040307	0.37916
	-0.32699	-2.06004	0.040911	0.381158
	0.233549	2.063435	0.040584	0.380082
	0.165354	2.058791	0.041033	0.38142
	-0.16441	-2.06579	0.040358	0.379368
	-0.25075	-2.06704	0.040239	0.379029
	0.178042	2.065522	0.040384	0.379477
NCKAP1L;TESPA1	-0.24763	-2.06977	0.03998	0.378278
	0.26091	2.063161	0.040611	0.380128
	-0.21167	-2.06835	0.040114	0.378733
POLD3;SLCO2B1;ENSG00000254837;MAP6;GDPD5	-0.3385	-2.06191	0.040731	0.380558
	0.265315	2.06746	0.040199	0.378887
MELK;GNE;TRMT10B	0.220769	2.067732	0.040173	0.378874
	0.173875	2.06742	0.040203	0.378887
BAIAP2;SLC25A10;PCYT2;OXLD1	-0.2071	-2.06687	0.040255	0.379071
	-0.18756	-2.06735	0.04021	0.378911
FLT4;SCGB3A1	0.201008	2.061235	0.040796	0.380737
TCF21;MOXD1	0.194875	2.067856	0.040161	0.378846
	-0.15084	-2.06577	0.04036	0.379369
	0.084791	2.062141	0.040709	0.380487
	0.133978	2.061504	0.04077	0.380629
	-0.17883	-2.06616	0.040323	0.379184
SERPINB6;SERPINB1;SLC22A23;WRNIP1;GMDS;ENSG00000233068;ENSG00000272320	-0.34932	-2.06824	0.040125	0.378733
	0.182198	2.064928	0.040441	0.379643
TUBGCP2;LRRC27;ADAM8;PWWP2B;TTC40;KNDC1;STK32C	-0.32228	-2.06517	0.040418	0.379572
ATP6V0A1;CNTD1	0.270652	2.066721	0.040269	0.3791
	0.203449	2.06279	0.040646	0.380211
	0.170045	2.061926	0.04073	0.380558
ADCY3	-0.24448	-2.06505	0.040429	0.379625
	-0.1397	-2.06809	0.040139	0.378764
	0.141568	2.067839	0.040163	0.378846
	0.179805	2.063586	0.04057	0.380067
	-0.113	-2.06531	0.040404	0.379523
	0.266949	2.063768	0.040552	0.379996
GPR176;ENSG00000261183;SPINT1;DLL4;C15orf52;RMDN3;FSIP1;RHOV;LTK	-0.27988	-2.06063	0.040854	0.380931
	0.125816	2.064994	0.040435	0.379643
	-0.13445	-2.06307	0.04062	0.380162

	-0.21931	-2.06348	0.04058	0.380082
	0.200766	2.058693	0.041042	0.38145
	-0.15603	-2.0649	0.040444	0.379643
	0.194194	2.061598	0.040761	0.380627
	0.190411	2.063601	0.040568	0.380063
	0.170363	2.067003	0.040243	0.379039
LSP1;C11orf89	0.339734	2.065411	0.040395	0.379523
	0.287535	2.064074	0.040523	0.379887
	-0.20361	-2.06361	0.040567	0.380063
	0.19276	2.064831	0.04045	0.379643
	0.154132	2.066396	0.040301	0.379158
	0.216982	2.060724	0.040846	0.380896
	0.153344	2.063187	0.040608	0.380121
	-0.1813	-2.06776	0.040171	0.378874
CCDC8;HIF3A	0.519946	2.064865	0.040447	0.379643
FAM81B;ENSG00000225165;GLRX	-0.44793	-2.06074	0.040844	0.380896
	-0.13775	-2.05931	0.040983	0.381262
SFMBT2;GATA3	0.338844	2.066737	0.040268	0.3791
	0.188133	2.06205	0.040718	0.380515
	-0.19545	-2.06476	0.040457	0.379643
KIAA1755;RPRD1B;MYL9;VSTM2L;DLGAP4	-0.32119	-2.05874	0.041038	0.381443
	0.262819	2.062813	0.040644	0.380211
FAM83H	-0.25299	-2.06831	0.040118	0.378733
HLA-F;PPP1R11	0.178167	2.068284	0.040121	0.378733
	-0.35369	-2.0656	0.040377	0.379451
TSR1	0.12113	2.065622	0.040375	0.379451
	0.141577	2.065408	0.040395	0.379523
ANO2;VWF;NTF3;AKAP3	0.246552	2.065555	0.040381	0.379464
RHPN1-AS1	-0.11295	-2.06431	0.0405	0.3798
PLXDC1;PPP1R1B;ARHGAP23;SRCIN1;PIP4K2B;NEUROD2;LINC0				
0672;PCGF2	0.200851	2.05911	0.041002	0.38129
ENSG00000268172	0.283728	2.066963	0.040246	0.379042
	0.248113	2.062396	0.040684	0.380369
	0.208302	2.065109	0.040424	0.379606
RBM23;CDH24;EFS;ZFHX2;REM2;AJUBA;MMP14;ENSG0000015				
7306;SLC22A17;ENSG00000228313;SLC7A7;DAD1	-0.35777	-2.05776	0.041132	0.38184
	-0.24364	-2.06275	0.04065	0.380237
	-0.17406	-2.06186	0.040735	0.380561
	0.182686	2.066274	0.040312	0.379176
	0.152331	2.066348	0.040305	0.37916
	-0.21615	-2.06918	0.040035	0.378412
	0.233541	2.062171	0.040706	0.380471
	-0.20712	-2.06084	0.040834	0.380855
HHEX	-0.30002	-2.06175	0.040746	0.380588
	-0.42866	-2.06352	0.040576	0.380082
WDR45B;PCYT2;BAIAP2;LRRC45;NOTUM;SLC25A10;MAFG-				
AS1;BAIAP2-AS1;CCDC57;C17orf62;LINC00482	-0.24469	-2.06472	0.040461	0.379657

	-0.20606	-2.06756	0.04019	0.378884
	0.252578	2.067413	0.040203	0.378887
	-0.3068	-2.06619	0.04032	0.379184
	-0.18465	-2.05629	0.041276	0.382181
	0.277977	2.065605	0.040376	0.379451
	0.227614	2.068929	0.040059	0.378471
	-0.16162	-2.06036	0.040881	0.381021
	0.211799	2.066173	0.040322	0.379184
STX18	-0.32023	-2.06329	0.040598	0.380096
CDKL1;DNAAF2;ATP5S;ENSG00000259071;NIN;ABHD12B;C14orf182	-0.15021	-2.05197	0.041699	0.38319
	-0.12855	-2.06347	0.040581	0.380082
	-0.1443	-2.06476	0.040457	0.379643
	-0.15552	-2.06165	0.040757	0.380617
C1QTNF7;ENSG00000251379;FBXL5;CD38;PROM1	0.335504	2.063831	0.040546	0.379977
	0.219954	2.060563	0.040861	0.380952
	0.272365	2.06588	0.04035	0.379313
	0.289862	2.064881	0.040445	0.379643
	-0.12333	-2.06458	0.040475	0.379733
VWF;ATN1;MRPL51;LEPREL2;SCARNA10;CD9;GNB3;IFFO1;COPS7A	-0.21298	-2.06392	0.040537	0.379954
IP6K2;UBA7	-0.16312	-2.0594	0.040974	0.381255
	0.23785	2.060646	0.040853	0.38093
	-0.22004	-2.06438	0.040493	0.379783
VPS35;DNAJA2	0.31055	2.065374	0.040398	0.379523
SCARNA6;SCARNA5	-0.14446	-2.06485	0.040448	0.379643
	-0.1416	-2.06341	0.040587	0.380082
	-0.31468	-2.06195	0.040727	0.380558
	-0.12845	-2.06606	0.040333	0.379229
ENSG00000261799	0.236851	2.063858	0.040544	0.379973
	-0.30708	-2.06823	0.040126	0.378733
	0.252409	2.066789	0.040263	0.379081
HLA-F;HCP5;PPP1R11;DDR1;PPP1R18;HLA-E	0.311447	2.067337	0.040211	0.378914
	0.186235	2.064253	0.040506	0.379833
	0.289292	2.069052	0.040048	0.378443
	-0.24515	-2.06385	0.040544	0.379973
	0.213284	2.067566	0.040189	0.378884
	0.151274	2.061177	0.040802	0.380742
	-0.22604	-2.06357	0.040571	0.380067
	0.219559	2.066078	0.040331	0.379227
RPL27	0.197647	2.06403	0.040527	0.379902
SIMC1	-0.22585	-2.06497	0.040437	0.379643
	0.198788	2.062909	0.040635	0.380197
	-0.15402	-2.06218	0.040705	0.380471
	-0.34116	-2.06637	0.040303	0.37916
	0.193079	2.064427	0.040489	0.379753
	0.161498	2.061538	0.040767	0.380629

LRRC32	-0.22318	-2.05988	0.040927	0.381229
	-0.20949	-2.06174	0.040748	0.380591
	0.123325	2.065466	0.040389	0.37951
	0.17156	2.063287	0.040598	0.380096
	-0.27356	-2.0546	0.041441	0.382634
HN1L;IFT140;ENSG00000196674;SOX8;CCDC78	-0.26054	-2.05832	0.041079	0.381609
	-0.21356	-2.0615	0.040771	0.380629
	0.256173	2.065369	0.040399	0.379523
SNORA23	-0.1768	-2.06093	0.040826	0.380842
	-0.31972	-2.06643	0.040297	0.379152
PRR15;ENSG00000272568	-0.2334	-2.06387	0.040542	0.379973
	0.269099	2.063185	0.040608	0.380121
	0.233397	2.065598	0.040377	0.379451
	0.175248	2.064657	0.040467	0.379688
	-0.16925	-2.05858	0.041053	0.381489
	0.117479	2.065267	0.040409	0.379532
	0.180069	2.064897	0.040444	0.379643
	-0.2022	-2.06303	0.040623	0.380168
	0.124011	2.066683	0.040273	0.3791
	-0.67652	-2.06136	0.040785	0.380679
GPR153;KCNAB2	-0.27285	-2.06147	0.040773	0.380629
	0.165564	2.056807	0.041226	0.382038
	0.174505	2.055946	0.041309	0.382193
	-0.21184	-2.05609	0.041295	0.382181
CARS;NAP1L4;MRPL23;IGF2;TSSC2;TSPAN32;NUP98	-0.23132	-2.06179	0.040743	0.380573
SUN1;HEATR2;PSMG3-AS1;FAM20C;MAD1L1;ENSG00000242474;ELFN1	-0.41245	-2.06234	0.040689	0.38038
TRPV2;TBC1D27	0.247287	2.067098	0.040234	0.379016
	-0.3083	-2.06294	0.040632	0.380197
	0.173914	2.063805	0.040549	0.379979
KIF9-AS1	-0.16709	-2.06037	0.040879	0.381015
TMF1	-0.31461	-2.05717	0.04119	0.38198
	-0.2803	-2.06529	0.040406	0.379523
PODNL1;EMR3;NOTCH3;SYDE1;CD97;EMR2;LPHN1;BRD4	-0.28468	-2.05576	0.041328	0.382244
	0.268637	2.063624	0.040566	0.380063
	-0.16957	-2.06043	0.040874	0.380997
ENSG00000273137	0.247014	2.063439	0.040584	0.380082
HMBOX1;NUGGC	-0.25377	-2.06144	0.040776	0.380629
	0.227152	2.064771	0.040456	0.379643
CD96;BTLA	-0.32857	-2.06409	0.040521	0.379887
	-0.18397	-2.06481	0.040452	0.379643
HSPA1B;BAG6;C2	0.242091	2.062717	0.040653	0.380251
ENSG00000232564	-0.19089	-2.05953	0.040961	0.381255
	-0.13602	-2.06636	0.040304	0.37916
	-0.13435	-2.05886	0.041026	0.381393
	0.212676	2.065003	0.040434	0.379643
C17orf62;RAB40B;WDR45B;CD7	0.31491	2.062061	0.040716	0.380515

	-0.24756	-2.06305	0.040621	0.380168
TLE2	-0.22235	-2.06002	0.040914	0.381168
	0.210791	2.056429	0.041262	0.382179
	-0.30836	-2.06609	0.04033	0.379226
	0.254379	2.065091	0.040425	0.379615
	-0.15631	-2.05815	0.041095	0.381655
	0.182273	2.062263	0.040697	0.380427
AP1M2	-0.23269	-2.06554	0.040382	0.379465
	0.14551	2.060864	0.040832	0.380855
	0.240701	2.064476	0.040484	0.379753
ATP5C1	0.24238	2.064782	0.040455	0.379643
	-0.25471	-2.05716	0.041191	0.38198
REEP6	-0.28984	-2.06248	0.040676	0.380351
	-0.22655	-2.06699	0.040244	0.379042
	0.142528	2.059926	0.040923	0.381202
	-0.21292	-2.06461	0.040472	0.379715
	0.272433	2.058354	0.041075	0.381598
	0.181346	2.059743	0.04094	0.381239
	0.261006	2.05437	0.041463	0.382674
	0.255485	2.064431	0.040489	0.379753
	0.213762	2.063826	0.040547	0.379977
DNAH6;DUXAP1;LDHAP7;ST3GAL5;GGCX;TRABD2A	-0.19942	-2.06288	0.040638	0.380197
	-0.20151	-2.06423	0.040508	0.379833
EGFL7;GPSM1;CAMSAP1;ENSG00000237886;UAP1L1;LCNL1	-0.18469	-2.05883	0.041029	0.381401
	-0.29891	-2.06108	0.040811	0.380747
DCLK1;SMAD9;ALG5;NBEA;CCNA1	0.246172	2.062856	0.04064	0.380197
	0.165792	2.067449	0.0402	0.378887
POLR1C;MRPL14;GLTSCR1L;RSPH9;HSP90AB1;KLC4;PEX6	-0.2906	-2.05926	0.040987	0.381267
	-0.23496	-2.06091	0.040828	0.380842
	0.245247	2.066044	0.040334	0.379233
	0.182357	2.062453	0.040679	0.380362
	-0.19922	-2.05411	0.041489	0.382795
	-0.14031	-2.06431	0.0405	0.3798
	-0.21851	-2.06364	0.040564	0.380063
	0.170237	2.059748	0.04094	0.381239
	0.269597	2.060837	0.040835	0.380855
	-0.14367	-2.06028	0.040889	0.381067
	0.1665	2.057072	0.0412	0.38198
	-0.20312	-2.05956	0.040958	0.381255
	0.358869	2.05842	0.041069	0.381567
	0.199603	2.062853	0.04064	0.380197
	-0.19794	-2.05702	0.041205	0.38198
	0.100701	2.059101	0.041003	0.38129
	0.228469	2.060774	0.040841	0.380878
RBM33	0.191192	2.063418	0.040586	0.380082
	0.285515	2.059711	0.040943	0.381246

	0.110873	2.064475	0.040484	0.379753
ITGAL;ZNF629;CTF1;CORO1A;ZNF48;ZNF768;DOC2A	-0.28526	-2.06639	0.040301	0.379158
	0.330644	2.059942	0.040921	0.381196
	0.277003	2.055235	0.041379	0.38246
	-0.21777	-2.05629	0.041276	0.382181
	-0.21214	-2.06329	0.040598	0.380096
	-0.29878	-2.05937	0.040976	0.381255
	0.199643	2.054983	0.041404	0.382562
	0.161443	2.060685	0.040849	0.380908
CASC2;ENO4;ENSG00000225302	0.178617	2.059531	0.040961	0.381255
	0.238175	2.060103	0.040906	0.38113
	-0.14579	-2.05528	0.041374	0.382445
LCK;S100PBP	0.339822	2.066209	0.040318	0.379184
RPS16P5	0.254392	2.063406	0.040587	0.380082
TRAPPC1	0.174352	2.059201	0.040993	0.381268
	0.112848	2.063232	0.040604	0.380117
	-0.28638	-2.06346	0.040582	0.380082
	-0.34497	-2.05951	0.040963	0.381255
	0.223185	2.062207	0.040702	0.380466
	0.196909	2.056401	0.041265	0.382179
	-0.28742	-2.0625	0.040674	0.380351
LOH12CR1	0.244194	2.060507	0.040866	0.380971
	-0.2319	-2.05554	0.041349	0.382358
DHCR24;TMEM61	0.269309	2.063608	0.040568	0.380063
	-0.16976	-2.06204	0.040718	0.380515
	-0.12064	-2.05295	0.041603	0.383015
	0.167602	2.06365	0.040564	0.380063
	-0.17519	-2.06263	0.040661	0.380275
COL6A3	-0.32879	-2.06019	0.040897	0.381111
	-0.33553	-2.05981	0.040934	0.381232
	0.205583	2.061724	0.040749	0.380596
ESAM;ROBO4	0.242931	2.063022	0.040624	0.380168
	0.218735	2.061452	0.040775	0.380629
	-0.22397	-2.06308	0.040618	0.380155
	0.236354	2.065233	0.040412	0.379537
	-0.16082	-2.0619	0.040732	0.380558
RNF223	0.25866	2.063159	0.040611	0.380128
	0.217239	2.062404	0.040683	0.380369
	-0.25442	-2.06489	0.040445	0.379643
	0.168869	2.060073	0.040908	0.381144
RNF32;SHH	0.157961	2.062168	0.040706	0.380471
	0.235654	2.064438	0.040488	0.379753
PSMD13	0.175823	2.064466	0.040485	0.379753
	0.146426	2.060576	0.04086	0.380952
	-0.21861	-2.05549	0.041354	0.382368
	0.150425	2.065383	0.040397	0.379523
	-0.11385	-2.06073	0.040845	0.380896

TBC1D4;LMO7	-0.34315	-2.05791	0.041118	0.381777
SUDS3;CCDC60	0.209609	2.0604	0.040877	0.381007
	-0.27055	-2.05698	0.041209	0.38198
	-0.10132	-2.06179	0.040743	0.380573
RCN3;TEAD2;CARD8;RRAS	0.21789	2.064154	0.040515	0.379874
KLHL6	0.162208	2.061179	0.040802	0.380742
	-0.14873	-2.0637	0.040559	0.380032
	-0.19879	-2.05919	0.040994	0.381268
	0.200892	2.061158	0.040804	0.380742
SLC16A5;TTYH2;FDXR;ICT1	-0.21013	-2.056	0.041305	0.382181
	0.264617	2.061144	0.040805	0.380744
	0.235793	2.061918	0.04073	0.380558
	0.310247	2.063473	0.040581	0.380082
	0.20768	2.061898	0.040732	0.380558
SV2A;CTSS;GOLPH3L;ECM1;C1orf54;SEMA6C;MTMR11;ADAMTSL4;MRPS21;CTSK;PLEKHO1;BNIPL	0.223666	2.058604	0.041051	0.381489
SOX9-AS1;ENSG00000263680	-0.24793	-2.06692	0.040251	0.379055
	0.188747	2.062644	0.04066	0.380275
	-0.13971	-2.06339	0.040589	0.380082
BAIAP2	-0.37637	-2.0605	0.040867	0.380971
	-0.34121	-2.06446	0.040486	0.379753
	-0.17418	-2.06095	0.040824	0.38084
HLA-DMB;HLA-DOA;HLA-DMA;TAP1;HLA-DRA;TAPSAR1;HLA-DPB1;PSMB9;HLA-DPA1;TAP2	-0.30984	-2.06666	0.040275	0.3791
	-0.2728	-2.0631	0.040616	0.380155
	0.217698	2.06594	0.040344	0.379293
	0.173067	2.054247	0.041476	0.382732
	0.198248	2.056281	0.041277	0.382181
	-0.19669	-2.05904	0.041008	0.381306
	0.243877	2.063342	0.040593	0.380096
PDE2A;STARD10;PPME1;FCHSD2;MRPL48;P2RY2;ENSG00000260401	-0.23285	-2.05983	0.040932	0.381232
GRAP2;CACNA1I;SUN2;ATF4	-0.26816	-2.05849	0.041062	0.381533
ENSG00000231530	0.17328	2.061689	0.040752	0.380609
	0.466488	2.058545	0.041057	0.381501
	0.23392	2.057623	0.041146	0.381884
FCGRT	-0.1601	-2.06385	0.040544	0.379973
	-0.4185	-2.06091	0.040828	0.380842
	0.25539	2.061673	0.040754	0.380609
DNM1P47;ASB7	-0.29346	-2.05853	0.041058	0.381502
CLIC4;STPG1;ID3	-0.20387	-2.053	0.041598	0.383015
	0.225345	2.05947	0.040967	0.381255
	-0.3484	-2.06339	0.040589	0.380082
	-0.25367	-2.05682	0.041225	0.382038
	0.171389	2.06166	0.040755	0.380612
	-0.21529	-2.06205	0.040718	0.380515
ABRACL	-0.15197	-2.05943	0.04097	0.381255

	0.179561	2.058407	0.04107	0.381567
CNTD1;IFI35;TMEM106A;HDAC5	0.179739	2.062957	0.04063	0.380193
	-0.12451	-2.0509	0.041804	0.38358
	0.189569	2.054733	0.041428	0.382623
	-0.16201	-2.06629	0.040311	0.379171
	0.29336	2.060953	0.040823	0.38084
FAM151B;ENSG00000249042	-0.27041	-2.05473	0.041428	0.382623
	-0.19318	-2.06505	0.040429	0.379625
	0.231524	2.060433	0.040874	0.380997
	0.273771	2.063857	0.040544	0.379973
	0.17244	2.056021	0.041302	0.382181
ANKRD42	0.264549	2.065383	0.040397	0.379523
SNORA23	0.24467	2.058638	0.041048	0.381489
	-0.31132	-2.06408	0.040523	0.379887
	0.136965	2.059457	0.040968	0.381255
	-0.31722	-2.06432	0.040499	0.3798
	-0.33057	-2.06255	0.040669	0.380331
	-0.31997	-2.06168	0.040753	0.380609
	0.202388	2.06362	0.040567	0.380063
	0.249521	2.064568	0.040475	0.379733
	-0.23232	-2.05752	0.041156	0.381884
SCAND3;HCG14;TRIM39	0.224916	2.065472	0.040389	0.37951
STAT5B;AOC3;ATP6V0A1;COA3;VPS25;KRT19;FKBP10;KRT42P;				
CNTNAP1;BECN1;STAT5A;KRT13;ENSG00000267758	-0.19453	-2.0616	0.040761	0.380627
	0.312043	2.061825	0.040739	0.380572
	-0.15652	-2.05699	0.041208	0.38198
	0.344111	2.065154	0.040419	0.379574
	-0.24608	-2.064	0.04053	0.379912
	-0.22539	-2.05751	0.041157	0.381884
	-0.4895	-2.0653	0.040406	0.379523
	-0.19954	-2.05528	0.041375	0.382445
	-0.15994	-2.06044	0.040873	0.380997
	0.344379	2.057684	0.04114	0.381866
	-0.20253	-2.06335	0.040593	0.380096
	-0.20394	-2.05359	0.04154	0.382965
PSME1	-0.13936	-2.06148	0.040772	0.380629
	0.159146	2.059481	0.040966	0.381255
	-0.35113	-2.05709	0.041198	0.38198
PARP11	-0.26781	-2.06321	0.040606	0.380117
	0.219505	2.062883	0.040637	0.380197
	0.267014	2.064683	0.040464	0.379681
	0.219561	2.0577	0.041139	0.381866
SORBS2	-0.2388	-2.06453	0.040479	0.379753
	0.217455	2.063298	0.040597	0.380096
	0.176926	2.06109	0.04081	0.380744
ARPC1B	-0.16516	-2.05969	0.040945	0.381255

	0.140338	2.056175	0.041287	0.382181
	0.172436	2.062298	0.040694	0.380412
KNDC1;TTC40	-0.29866	-2.05675	0.041231	0.382044
	-0.13305	-2.06131	0.040788	0.380699
	0.238476	2.056271	0.041278	0.382181
	0.365296	2.058209	0.041089	0.381622
	-0.11224	-2.05224	0.041672	0.38319
	-0.22549	-2.05843	0.041068	0.381567
	0.181673	2.061617	0.040759	0.380626
	-0.24763	-2.05373	0.041526	0.382922
	0.261904	2.051866	0.041709	0.383225
	-0.2138	-2.06049	0.040868	0.380979
ENSG00000234478;C1orf95;ITPKB;PYCR2	0.355776	2.061492	0.040771	0.380629
	-0.34423	-2.0635	0.040578	0.380082
	-0.2313	-2.06019	0.040897	0.381111
CD19;SPN;CORO1A	0.266066	2.061169	0.040803	0.380742
	0.157825	2.059336	0.04098	0.381255
	-0.15796	-2.05826	0.041085	0.381622
CHPF2	0.223532	2.062893	0.040636	0.380197
	0.170168	2.064459	0.040486	0.379753
	-0.1936	-2.05924	0.040989	0.381267
	0.308302	2.062392	0.040685	0.380369
	0.182559	2.05343	0.041556	0.382999
	0.221871	2.06001	0.040915	0.381168
	-0.66313	-2.06341	0.040587	0.380082
PDE2A;POLD3;C2CD3;DNAJB13;PPME1;PGM2L1	-0.18399	-2.05698	0.041208	0.38198
SLC44A4;NELFE;TNXB;NOTCH4;HSPA1L;C6orf10;LY6G5C;HSPA1				
A;VWA7;NEU1;CLIC1;BAG6;ENSG00000225914	-0.25411	-2.05977	0.040938	0.381239
	0.200306	2.059124	0.041	0.38129
	0.146129	2.050017	0.041891	0.383914
C17orf62;WDR45B;RAB40B;CD7	-0.32041	-2.06456	0.040476	0.379733
	0.190987	2.060582	0.040859	0.380952
	0.22805	2.05795	0.041114	0.381771
NDFIP2	-0.35259	-2.05642	0.041263	0.382179
	-0.2406	-2.06234	0.040689	0.38038
	0.24184	2.054309	0.041469	0.382705
	0.21795	2.061692	0.040752	0.380609
SEPHS2	-0.16469	-2.0635	0.040578	0.380082
	0.243473	2.062371	0.040687	0.380371
	-0.33767	-2.06163	0.040758	0.380622
CNNM2	-0.12736	-2.05842	0.041069	0.381567
	0.174236	2.056573	0.041248	0.382137
PCSK7;DSCAML1;CADM1;TAGLN;BACE1	0.268707	2.059406	0.040973	0.381255
	-0.15125	-2.05418	0.041482	0.382768
JAK3;ENSG00000269640;BST2;B3GNT3;IL12RB1;FCHO1	0.292202	2.062789	0.040646	0.380211
HCP5;HLA-B;HLA-DRA;C2;HLA-C;PPP1R18;LTB;MICB	0.401195	2.062521	0.040672	0.380351
	-0.13815	-2.05948	0.040966	0.381255

KIAA0922	0.238293	2.061816	0.04074	0.380572
	0.251321	2.059451	0.040969	0.381255
RNF32	-0.21904	-2.05945	0.040969	0.381255
DIP2C	0.333297	2.060299	0.040887	0.38106
	0.2657	2.053567	0.041542	0.382966
	0.180393	2.059478	0.040966	0.381255
RABL2B;C22orf34;CRELD2;CHKB-AS1;MAPK12	-0.18264	-2.06082	0.040837	0.380864
	-0.13381	-2.05933	0.040981	0.381255
	-0.19804	-2.06332	0.040595	0.380096
TNRC6C;C1QTNF1;ENSG00000178404;USP36;ENSG00000267491;TIMP2	-0.18764	-2.06371	0.040558	0.38003
F5;SELL	0.259625	2.061815	0.04074	0.380572
	-0.23724	-2.06213	0.04071	0.380488
	-0.14184	-2.05519	0.041383	0.382475
	-0.19892	-2.0648	0.040453	0.379643
	-0.2647	-2.05674	0.041232	0.382044
STARD4-AS1;NREP	-0.20668	-2.05465	0.041436	0.382634
	-0.23028	-2.05456	0.041445	0.382645
TSEN2	-0.16468	-2.06211	0.040712	0.380492
ASB1	-0.31171	-2.05781	0.041128	0.38182
	0.168761	2.059426	0.040971	0.381255
	-0.23461	-2.05734	0.041174	0.381965
	-0.15016	-2.05906	0.041007	0.381304
	-0.27377	-2.05996	0.04092	0.38119
	0.310476	2.062804	0.040645	0.380211
USP49	-0.15868	-2.05712	0.041195	0.38198
	-0.39951	-2.05471	0.04143	0.382634
	0.181799	2.056535	0.041252	0.382155
ZNF662;FAM198A;ZBTB47;TRAK1;HIGD1A	-0.31908	-2.05462	0.041439	0.382634
	0.224366	2.063082	0.040618	0.380155
KLF11	0.168994	2.059037	0.041009	0.381306
	-0.15428	-2.05839	0.041072	0.381575
	0.172633	2.049611	0.041932	0.384021
	-0.17018	-2.05795	0.041114	0.381771
ITSN2	-0.32588	-2.05987	0.040929	0.381229
ENSG00000271553	-0.14192	-2.06259	0.040665	0.380302
	0.239796	2.053402	0.041558	0.383008
HECW1	-0.33058	-2.06096	0.040823	0.38084
	0.213801	2.059497	0.040964	0.381255
	-0.37631	-2.0595	0.040964	0.381255
	0.137223	2.059456	0.040968	0.381255
ENSG00000222489	0.187501	2.063296	0.040598	0.380096
ENSG00000272005	0.196668	2.060548	0.040863	0.380957
	0.235524	2.055452	0.041358	0.382387
RASGRP3	0.246486	2.062371	0.040687	0.380371
SYNE2	-0.23255	-2.0563	0.041275	0.382181
	-0.20876	-2.0562	0.041284	0.382181

ATP11A;MCF2L;CUL4A	0.232171	2.057988	0.041111	0.381771
FAM161B;PTGR2;LIN52;DNAL1	-0.15988	-2.05399	0.041501	0.382856
	-0.61253	-2.03076	0.04383	0.389668
	-0.23502	-2.06478	0.040455	0.379643
	0.276113	2.061533	0.040767	0.380629
	-0.14928	-2.06126	0.040794	0.380726
CBS;PDE9A;SLC37A1;CSTB;ENSG00000225331;ICOSLG	-0.26641	-2.04716	0.042174	0.384827
	0.181971	2.059236	0.04099	0.381267
	-0.19377	-2.0603	0.040887	0.38106
	-0.15345	-2.0551	0.041392	0.382511
GPR133	0.290791	2.060465	0.040871	0.38099
SCML4;SMPD2	-0.16748	-2.06004	0.040912	0.381158
	-0.42358	-2.06245	0.040679	0.380362
	0.220007	2.065165	0.040418	0.379572
	0.251133	2.060842	0.040834	0.380855
	-0.30607	-2.05957	0.040957	0.381255
	-0.16861	-2.05822	0.041088	0.381622
	-0.14629	-2.05638	0.041268	0.382181
UCN3	-0.25233	-2.04886	0.042005	0.384288
MICAL3;ATP6V1E1	-0.19427	-2.05961	0.040953	0.381255
	0.191628	2.058598	0.041051	0.381489
DFFB	-0.29072	-2.06447	0.040485	0.379753
	-0.18075	-2.06212	0.040711	0.380491
	0.272404	2.056001	0.041304	0.382181
	0.159814	2.055867	0.041317	0.382203
	-0.29475	-2.05984	0.040931	0.381232
	-0.24365	-2.06128	0.040792	0.380723
GGT5;ADORA2A-AS1;DERL3;C22orf15	-0.21846	-2.05986	0.040929	0.381229
NAV3;E2F7;ENSG00000231121	0.300848	2.059972	0.040918	0.381185
	0.128991	2.052243	0.041672	0.38319
	0.168345	2.061788	0.040743	0.380573
	-0.31095	-2.06413	0.040517	0.379879
	0.220241	2.06532	0.040403	0.379523
PTP4A3	-0.34831	-2.04948	0.041945	0.384062
	-0.22087	-2.06152	0.040768	0.380629
	0.182382	2.059663	0.040948	0.381255
	0.271076	2.060589	0.040859	0.380952
RASGRP2;PYGM;NRXN2;CDC42BPG;TM7SF2;MAP4K2;NAALADL1;CAPN1;STIP1;DNAJC4;VEGFB;ESRRA;OTUB1;C11orf95;SLC25A45	-0.34957	-2.06078	0.04084	0.380878
	0.162901	2.052728	0.041624	0.383105
	-0.1517	-2.04873	0.042019	0.384354
	0.213204	2.059079	0.041005	0.381302
	0.239348	2.05887	0.041025	0.381393
	0.179953	2.05829	0.041081	0.381622
C1orf216;AGO3;ENSG00000201448	-0.2053	-2.05923	0.04099	0.381267
	0.154928	2.057853	0.041124	0.381794

	-0.19958	-2.05387	0.041513	0.382899
	-0.16218	-2.05343	0.041555	0.382999
POLD3	-0.27539	-2.06196	0.040726	0.380558
FGD3;SUSD3;ZNF169	0.292075	2.061929	0.040729	0.380558
ENSG00000255160	-0.2653	-2.05398	0.041501	0.382856
	0.208131	2.058891	0.041023	0.381393
MRPL23;IGF2;NAP1L4;ASCL2	-0.27067	-2.05245	0.041652	0.383137
	-0.30505	-2.05973	0.040942	0.381239
	0.238066	2.058882	0.041024	0.381393
	0.603275	2.065324	0.040403	0.379523
	0.278924	2.053672	0.041532	0.382946
ARL10;SIMC1;PDLIM7;RNF44;FGFR4	0.233394	2.060642	0.040853	0.38093
ENSG00000271553	0.148361	2.049691	0.041924	0.384012
	0.19338	2.057305	0.041177	0.381965
	0.121114	2.056193	0.041285	0.382181
	0.134226	2.057869	0.041122	0.381794
	-0.14596	-2.05477	0.041424	0.382623
	-0.20918	-2.06324	0.040603	0.380117
	-0.15081	-2.05966	0.040949	0.381255
	-0.14671	-2.05446	0.041455	0.382659
	-0.17642	-2.05598	0.041306	0.382181
	0.184403	2.060878	0.040831	0.380855
RNF223	0.242073	2.060563	0.040861	0.380952
	-0.19341	-2.05684	0.041222	0.382028
	0.154521	2.061867	0.040735	0.380561
IRF4	-0.24357	-2.06202	0.040721	0.380524
	0.262667	2.057924	0.041117	0.381777
	0.139445	2.054764	0.041425	0.382623
PDGFA	-0.1934	-2.05641	0.041264	0.382179
	0.169347	2.061257	0.040794	0.380726
	-0.24377	-2.06085	0.040833	0.380855
	0.180143	2.057307	0.041177	0.381965
RARRES3	-0.24373	-2.05444	0.041456	0.382659
	0.267864	2.054935	0.041408	0.382562
ARL15;CDC20B;PPAP2A;DHX29	-0.35845	-2.05611	0.041293	0.382181
INPP5K	-0.21086	-2.06018	0.040898	0.381111
	-0.19915	-2.05917	0.040996	0.381273
CRLS1;TRMT6;PCNA;CHGB	-0.31124	-2.04633	0.042256	0.38507
	-0.19281	-2.05639	0.041266	0.382179
	0.097493	2.059422	0.040971	0.381255
PMP22;TRPV2;TRIM16;ADORA2B	0.198629	2.056545	0.041251	0.382154
KIAA0125;IGHJ3P	-0.28592	-2.06268	0.040657	0.380266
	-0.32747	-2.05312	0.041586	0.383015
STK32A;DPYSL3	0.267996	2.05677	0.041229	0.382039
	0.172979	2.05564	0.041339	0.382296
	0.248904	2.061323	0.040788	0.380699
ENSG00000196674	-0.23915	-2.06144	0.040777	0.380629

TGIF2;EPB41L1;SLA2;RBL1	0.253084	2.060691	0.040849	0.380908
	0.154444	2.05979	0.040936	0.381239
	0.199179	2.05729	0.041179	0.381965
	-0.20904	-2.05973	0.040942	0.381239
	-0.19893	-2.0524	0.041657	0.383137
	0.278285	2.058998	0.041013	0.381325
	0.210878	2.058275	0.041083	0.381622
	-0.35119	-2.05698	0.041208	0.38198
	-0.13158	-2.05015	0.041878	0.383845
	-0.1607	-2.05645	0.04126	0.382179
SH2D2A;SYT11	-0.25728	-2.0612	0.040799	0.380742
STX18;STK32B	-0.3604	-2.06136	0.040784	0.380679
	0.238553	2.06157	0.040764	0.380629
	-0.20221	-2.05923	0.04099	0.381267
	-0.11186	-2.05796	0.041113	0.381771
	-0.25037	-2.06014	0.040902	0.38113
	0.181471	2.051667	0.041729	0.38331
	0.193972	2.055018	0.0414	0.382555
SDC3;LCK;TINAGL1;MTMR9LP;DCDC2B	-0.27962	-2.05699	0.041208	0.38198
ABCA4;ENSG00000226026;ABCD3;ARHGAP29;GCLM;ENSG000				
00233129	-0.33724	-2.05501	0.041401	0.382555
	0.24068	2.061219	0.040798	0.380742
AAGAB;SNAPC5	-0.27386	-2.0573	0.041177	0.381965
ENTPD1;ENTPD1-AS1;SORBS1	0.195355	2.053818	0.041517	0.382921
	-0.31338	-2.05918	0.040995	0.381271
PODXL2;MCM2;ABTB1;MGLL;KLF15	-0.25512	-2.04987	0.041906	0.383972
	0.242923	2.056256	0.041279	0.382181
	0.197102	2.058186	0.041091	0.381634
	-0.2037	-2.04873	0.042018	0.384354
	-0.28815	-2.05417	0.041483	0.382768
TACC2	0.28694	2.057161	0.041191	0.38198
	-0.16835	-2.05488	0.041413	0.382576
	-0.18274	-2.05664	0.041242	0.382101
	0.285642	2.054829	0.041419	0.382602
	0.221134	2.051896	0.041706	0.383206
	0.213858	2.054089	0.041491	0.3828
RBM23;PRMT5	0.154823	2.059575	0.040957	0.381255
	-0.32842	-2.05946	0.040967	0.381255
	0.215426	2.059137	0.040999	0.38129
	0.160917	2.05605	0.041299	0.382181
	-0.20069	-2.05859	0.041052	0.381489
GPR133	-0.21416	-2.05323	0.041576	0.383015
	0.296566	2.059343	0.040979	0.381255
	-0.18123	-2.05658	0.041247	0.382136
CTSW	-0.37118	-2.0622	0.040703	0.380466
SMG5	0.236311	2.056715	0.041234	0.38205
	-0.30365	-2.05791	0.041118	0.381777

FLI1;ARHGAP32;ETS1;ENSG00000175773;SENCR;TMEM45B	0.365381	2.053764	0.041523	0.382922
	-0.17137	-2.05587	0.041317	0.382203
MAGI1;ADAMTS9-AS2	0.30196	2.056341	0.041271	0.382181
	-0.23651	-2.06357	0.040571	0.380067
	-0.23489	-2.05937	0.040977	0.381255
	-0.29317	-2.05862	0.04105	0.381489
	0.181732	2.051648	0.041731	0.38331
	0.364173	2.059363	0.040977	0.381255
	0.118202	2.061116	0.040808	0.380744
	-0.19856	-2.05529	0.041374	0.382445
	0.210355	2.059816	0.040933	0.381232
	0.160853	2.054303	0.04147	0.382705
	-0.15402	-2.06072	0.040846	0.380896
	0.236898	2.052197	0.041677	0.38319
DSP;BMP6;TXNDC5	-0.32499	-2.05282	0.041616	0.38309
	0.361431	2.06112	0.040807	0.380744
	0.250911	2.060924	0.040826	0.380842
ZNF57;GIPC3;TJP3;SEMA6B;AES;GNG7;GNA15;DAPK3;S1PR4;A				
PBA3	0.228138	2.054873	0.041414	0.382576
ACAP2-IT1	-0.16119	-2.05722	0.041185	0.38198
	-0.2887	-2.05349	0.04155	0.382986
	-0.20369	-2.05762	0.041147	0.381884
DNMBP;ENTPD7;HPSE2;ERLIN1	0.280077	2.054587	0.041442	0.382639
C11orf21;TSPAN32;MRPL23;C11orf89;TSPAN4;TNNI2;MUC2	-0.17221	-2.05575	0.041329	0.382244
	0.263155	2.056087	0.041296	0.382181
	-0.42376	-2.05932	0.040981	0.381255
AP4M1;KPNA7;ZCWPW1;STAG3;PCOLCE;ZKSCAN1;ZNF3;ATP5J				
2;GNB2;BUD31;TMEM130;ENSG00000239521	0.163133	2.056268	0.041278	0.382181
	-0.16817	-2.05822	0.041088	0.381622
SPTSSB;TRIM59;SMC4;IFT80	-0.36652	-2.05444	0.041457	0.382659
	-0.15891	-2.05587	0.041317	0.382203
	0.206504	2.052191	0.041677	0.38319
	0.204173	2.056596	0.041246	0.382132
	-0.18165	-2.0572	0.041187	0.38198
	-0.18465	-2.05756	0.041153	0.381884
PTPN14	0.227362	2.057333	0.041174	0.381965
	0.245724	2.052465	0.04165	0.383137
	0.13031	2.057872	0.041122	0.381794
ANKLE2	-0.55733	-2.05924	0.04099	0.381267
	0.1458	2.053509	0.041548	0.382986
	0.165078	2.048022	0.042089	0.384588
	0.198885	2.055181	0.041384	0.382475
	0.231017	2.059107	0.041002	0.38129
	0.233702	2.056798	0.041226	0.382038
	0.242595	2.059233	0.04099	0.381267

GSTM5;GSTM3;AMIGO1;GNAT2;SYPL2	0.248938	2.061517	0.040769	0.380629
ZNF169	-0.25625	-2.04887	0.042005	0.384288
	-0.21547	-2.05827	0.041084	0.381622
	0.241985	2.043284	0.042561	0.385898
	0.316184	2.052989	0.041599	0.383015
FARP1;GPR183;LINC00449	-0.20837	-2.06078	0.04084	0.380878
	-0.12446	-2.05762	0.041147	0.381884
	0.174409	2.05808	0.041102	0.381697
	0.230037	2.057275	0.04118	0.381967
	0.224836	2.060212	0.040895	0.38111
ENSA;RN7SL600P;RORC;SETDB1;ADAMTSL4;ENSG00000237781	-0.27339	-2.05981	0.040933	0.381232
	0.137432	2.055187	0.041384	0.382475
	-0.21146	-2.0573	0.041177	0.381965
	0.223648	2.061357	0.040784	0.380679
CCND2;TSPAN9	-0.21083	-2.05729	0.041179	0.381965
	0.105372	2.056168	0.041288	0.382181
	-0.13619	-2.05601	0.041303	0.382181
	-0.21646	-2.04667	0.042223	0.38493
ARHGAP17	-0.34744	-2.05689	0.041217	0.382021
	0.178398	2.057133	0.041194	0.38198
	0.152346	2.055635	0.04134	0.382296
	0.183976	2.059988	0.040917	0.381179
	0.428697	2.061936	0.040729	0.380558
	0.249507	2.057342	0.041173	0.381965
	0.246224	2.054477	0.041453	0.382659
	0.199704	2.058795	0.041032	0.38142
	0.168631	2.053009	0.041597	0.383015
	-0.16603	-2.05461	0.04144	0.382634
COL1A2;BET1	0.281176	2.052952	0.041602	0.383015
	-0.21115	-2.056	0.041304	0.382181
HES6;TRAF3IP1;COL6A3;RAB17;MLPH;ENSG00000232306	-0.31224	-2.05677	0.041229	0.382039
	-0.15906	-2.0552	0.041382	0.382475
	-0.11778	-2.05624	0.041281	0.382181
	0.117943	2.058585	0.041053	0.381489
	0.169423	2.05048	0.041846	0.383777
	-0.2411	-2.05355	0.041544	0.382974
	-0.20636	-2.05379	0.041521	0.382922
	0.21575	2.058228	0.041087	0.381622
CNTD1;FKBP10	-0.25111	-2.0538	0.041519	0.382922
PARP15;EAF2;PARP14	-0.19486	-2.05474	0.041428	0.382623
	-0.17942	-2.0478	0.04211	0.384649
SFR1	-0.26198	-2.05907	0.041006	0.381304
ST6GALNAC2	-0.40299	-2.06012	0.040904	0.38113
	0.165655	2.053728	0.041526	0.382922
	0.148425	2.054919	0.04141	0.382562
	0.260978	2.056983	0.041208	0.38198

	-0.38391	-2.04917	0.041975	0.384175
SEMA4D	-0.24814	-2.05887	0.041025	0.381393
	-0.18032	-2.05885	0.041027	0.381393
	0.209138	2.060421	0.040875	0.380997
	0.139122	2.056964	0.04121	0.38198
	0.169593	2.053863	0.041513	0.382899
	0.200021	2.054177	0.041482	0.382768
	0.151487	2.057942	0.041115	0.381771
	-0.22693	-2.05688	0.041219	0.382021
	0.226364	2.056389	0.041266	0.382179
KIF21B	0.310911	2.056325	0.041272	0.382181
CYB5R1;ELF3;RNPEP;PPP1R12B;CSRP1;NAV1;LMOD1;LGR6;IPO9;TMEM9;KIF21B;ADIPOR1;KLHL12;ENSG00000234678;ENSG00000269690;UBE2T;KDM5B;TMEM183A;PTPN7	-0.23134	-2.05409	0.041491	0.3828
	0.122158	2.059594	0.040955	0.381255
	0.17055	2.058145	0.041095	0.381655
	0.239285	2.055369	0.041366	0.38243
DZIP1L;NME9;MRAS;CLDN18;FAIM	0.283876	2.061104	0.040809	0.380744
	0.202283	2.058239	0.041086	0.381622
	-0.16583	-2.05645	0.04126	0.382179
	0.269078	2.058551	0.041056	0.381501
	-0.25271	-2.05296	0.041601	0.383015
	-0.16869	-2.05428	0.041472	0.382708
	-0.19949	-2.05191	0.041705	0.383206
	-0.27017	-2.05631	0.041274	0.382181
	-0.20838	-2.05696	0.041211	0.38198
ZKSCAN1;ZNF3;PCOLCE;ZCWPW1;STAG3;GAL3ST4;AP4M1;RABL5;ENSG00000239521	-0.24318	-2.05607	0.041298	0.382181
	-0.19584	-2.05239	0.041657	0.383137
PLXDC1	-0.26871	-2.05578	0.041326	0.382241
	-0.3452	-2.05514	0.041388	0.382502
IGF2;NAP1L4	-0.18518	-2.05386	0.041513	0.382899
	-0.11859	-2.05444	0.041457	0.382659
ENSG00000271551	-0.23753	-2.05492	0.04141	0.382562
MYO1G;CCM2	-0.28166	-2.05757	0.041152	0.381884
	0.208745	2.057797	0.041129	0.38182
	0.250656	2.058756	0.041036	0.381443
TMEM254;PPIF;ZMIZ1;ZCCHC24	0.175094	2.048878	0.042004	0.384288
	0.254126	2.054389	0.041462	0.382674
	-0.15469	-2.05606	0.041298	0.382181
	0.22177	2.054988	0.041403	0.382562
	-0.12848	-2.05452	0.041449	0.382659
CCR2;CCR5;CXCR6	0.189334	2.057561	0.041152	0.381884
RABGGTA;KHNYN;NOP9;TGM1	0.150552	2.040162	0.042874	0.386786
TNFRSF1B;DHRS3;PLOD1;ANGPTL7	-0.30908	-2.05146	0.041749	0.383396
HBA2	0.170325	2.056398	0.041265	0.382179

	-0.31526	-2.05754	0.041154	0.381884
	0.239243	2.049295	0.041963	0.384126
	-0.16166	-2.0491	0.041982	0.384209
	0.220229	2.049994	0.041894	0.383914
HLA-F;HCP5;HLA-B;HLA-E	-0.24778	-2.05593	0.041311	0.382193
	0.249401	2.049727	0.04192	0.384008
	-0.25039	-2.0504	0.041854	0.383781
B3GNT3;USHBP1;ISYNA1;KLHL26;ENSG00000269640;NR2F6	-0.25274	-2.05831	0.041079	0.381609
	-0.1744	-2.05022	0.041871	0.383822
	-0.16733	-2.05696	0.041211	0.38198
	-0.24685	-2.05963	0.040952	0.381255
PRR26	0.186916	2.053586	0.04154	0.382965
	0.241836	2.052522	0.041645	0.383137
	0.286492	2.045112	0.042378	0.385387
BNIPL;THEM4;CGN	-0.30688	-2.05622	0.041282	0.382181
	0.246816	2.055985	0.041306	0.382181
	0.243269	2.054934	0.041408	0.382562
	-0.17997	-2.0594	0.040974	0.381255
	0.21724	2.056227	0.041282	0.382181
CDIP1;CLUAP1;CREBBP;GLIS2;C16orf71;GLYR1;SMIM22;SRL;SE				
C14L5;CORO7	-0.24615	-2.05616	0.041288	0.382181
	-0.179	-2.05261	0.041636	0.383134
	-0.20719	-2.05954	0.04096	0.381255
	0.21178	2.055483	0.041355	0.382368
SAR1B;SKP1	0.281159	2.054366	0.041464	0.382674
	-0.21317	-2.0587	0.041042	0.38145
	0.180037	2.058701	0.041041	0.38145
SDAD1P1	-0.33372	-2.05744	0.041164	0.381941
	0.172866	2.052444	0.041652	0.383137
ENSG00000267543;FBF1	0.193261	2.057644	0.041144	0.381882
	-0.13391	-2.04388	0.042501	0.385763
	0.176734	2.058885	0.041024	0.381393
	-0.2445	-2.05552	0.041351	0.38236
	0.270308	2.053309	0.041567	0.383015
	0.208124	2.048189	0.042072	0.384518
GAS6;TMEM255B;ADPRHL1	0.281504	2.048369	0.042054	0.384493
	-0.28201	-2.05919	0.040994	0.381268
SPIRE2	0.380996	2.057963	0.041113	0.381771
	0.184033	2.057557	0.041153	0.381884
	-0.13699	-2.04965	0.041927	0.384016
	-0.18965	-2.05649	0.041257	0.382179
	0.25278	2.052443	0.041652	0.383137
	-0.13091	-2.0555	0.041353	0.382367
	0.091418	2.055913	0.041313	0.382195
	0.243251	2.057374	0.04117	0.381965
	0.258906	2.054421	0.041458	0.382665

AGTRAP;C1orf158;VPS13D;FBXO6;MAD2L2	-0.27413	-2.04831	0.04206	0.384493
RASAL3;CYP4F3;USHBP1	0.356678	2.058131	0.041097	0.381659
	0.103649	2.055924	0.041312	0.382193
ESRP2;RLTPR;ATP6V0D1;TRADD	-0.23147	-2.05874	0.041037	0.381443
DLEC1;TTC21A;SCN11A;MOBP;ACVR2B;EXOG	0.215287	2.057383	0.041169	0.381965
	0.224935	2.051398	0.041755	0.383427
SMOC2	0.270585	2.049685	0.041924	0.384012
HERC1;TLN2;CA12;FBXL22;ENSG00000261296;ENSG00000259				
459;ENSG00000259498	-0.44801	-2.05371	0.041528	0.382922
	-0.25201	-2.05162	0.041734	0.38331
RNF216	0.175811	2.051517	0.041743	0.383367
EIF4EBP1	0.287945	2.059198	0.040993	0.381268
	0.226345	2.056648	0.041241	0.382101
SFMBT2;GATA3	0.281387	2.057224	0.041185	0.38198
	-0.23592	-2.05903	0.04101	0.381309
	0.153882	2.050417	0.041852	0.383781
	0.111915	2.051964	0.0417	0.38319
TCTN1	-0.1342	-2.05329	0.041569	0.383015
	0.151133	2.05685	0.041221	0.382028
	-0.16253	-2.05231	0.041666	0.383174
	0.316157	2.056095	0.041295	0.382181
ENSG00000231980	0.37806	2.060127	0.040903	0.38113
WISP2	-0.16121	-2.04724	0.042167	0.384824
LGALS3;KTN1	-0.23945	-2.05775	0.041134	0.381848
	0.210242	2.050438	0.04185	0.383781
	0.262533	2.058854	0.041027	0.381393
PAXBP1-AS1	-0.16653	-2.05769	0.04114	0.381866
	0.20532	2.054868	0.041415	0.382576
	-0.1849	-2.0545	0.041451	0.382659
MRGPRF;TPCN2;MTL5	-0.20623	-2.05705	0.041201	0.38198
	-0.28125	-2.04955	0.041937	0.384046
CLSTN3;IFFO1;C1R;C1S;CD27;LEPREL2	-0.16447	-2.05542	0.041361	0.382403
ZNF683	0.14384	2.055274	0.041375	0.382445
GSDMB	-0.22379	-2.05565	0.041338	0.382296
	-0.2446	-2.05737	0.041171	0.381965
TAP1;TAP2;HCP5	0.245929	2.052559	0.041641	0.383134
	0.226184	2.057309	0.041177	0.381965
	-0.19222	-2.05598	0.041306	0.382181
MS4A8	-0.19376	-2.05626	0.041278	0.382181
ENSG00000228133	-0.37141	-2.05585	0.041319	0.382203
	-0.28686	-2.05169	0.041727	0.38331
LSP1	-0.18797	-2.05768	0.04114	0.381866
CCDC30;WDR65;FAM183A;RIMKLA;ENSG00000236180;TMSB4				
XP1;ZMYND12;TMEM125	-0.20631	-2.0526	0.041637	0.383134
MISP;OAZ1	0.163581	2.050404	0.041853	0.383781
	-0.34196	-2.05531	0.041371	0.382445
	0.259757	2.051995	0.041696	0.38319

SYDE1;BRD4;CYP4F11;NOTCH3;WIZ;DNAJB1;KLF2;C19orf44;RASAL3	-0.31997	-2.05271	0.041626	0.38311
	0.262512	2.057654	0.041143	0.381882
	0.234665	2.055088	0.041393	0.382511
	0.156856	2.054061	0.041494	0.382809
	0.196887	2.057594	0.041149	0.381884
E2F1	-0.2086	-2.05944	0.04097	0.381255
IL12RB1;RPL18A;FCHO1	-0.20501	-2.04932	0.041961	0.384116
	0.217854	2.056469	0.041258	0.382179
ENSG00000237705	0.316899	2.057012	0.041206	0.38198
	0.180506	2.060135	0.040902	0.38113
	0.262767	2.059758	0.040939	0.381239
	-0.21999	-2.0526	0.041637	0.383134
GABBR1;DDR1;PPP1R18;MDC1;NRM;HLA-A;TRIM31;TRIM26;GNL1;HLA-F-AS1	0.242407	2.053148	0.041583	0.383015
	-0.19169	-2.05691	0.041216	0.382018
	-0.33509	-2.05533	0.041369	0.382445
	-0.128	-2.05055	0.041839	0.38375
	0.13825	2.049708	0.041922	0.384008
FARP1;STK24	-0.28625	-2.05534	0.041368	0.382443
	0.150589	2.045749	0.042315	0.385243
	0.107189	2.055939	0.04131	0.382193
	0.248445	2.055295	0.041373	0.382445
	-0.20456	-2.05051	0.041843	0.383768
	0.20704	2.054074	0.041492	0.382806
	0.152545	2.054632	0.041438	0.382634
TOMM34;HSPD1P21;SYS1;WFDC6;EPPIN;SDC4;WISP2;PIGT;WFDC3;DNTTIP1	-0.33321	-2.05319	0.041579	0.383015
DDR1;CLIC1	-0.25669	-2.05462	0.041439	0.382634
	-0.23027	-2.05564	0.04134	0.382296
	0.251515	2.0578	0.041129	0.38182
	0.164108	2.050259	0.041867	0.383813
	0.258417	2.055854	0.041318	0.382203
	0.287219	2.0483	0.042061	0.384493
LCK;MTMR9LP	-0.2347	-2.05257	0.04164	0.383134
	-0.23131	-2.04903	0.041989	0.384251
TMEM108;NUDT16P1;ENSG00000251011;MRPL3	-0.34812	-2.05039	0.041855	0.383781
	-0.18504	-2.05753	0.041155	0.381884
DDR1;TRIM26;DDAH2;HLA-F-AS1;DHX16;CLIC1	-0.20915	-2.05305	0.041592	0.383015
	0.252575	2.059582	0.040956	0.381255
FUT1	0.191701	2.05013	0.04188	0.383845
	-0.17782	-2.04983	0.04191	0.383983
	0.208413	2.052118	0.041684	0.38319
	0.220076	2.057537	0.041155	0.381884
	-0.15649	-2.05525	0.041377	0.38245
	0.183639	2.053074	0.04159	0.383015
	-0.15735	-2.05262	0.041635	0.383134

	-0.12338	-2.05329	0.041569	0.383015
TRPV2	0.311746	2.04817	0.042074	0.384518
	0.21433	2.053361	0.041562	0.383015
	0.170273	2.054134	0.041487	0.382784
MPP2;PTRF	0.155337	2.050846	0.04181	0.383616
	0.228079	2.052959	0.041602	0.383015
ANKFN1	-0.24394	-2.05862	0.041049	0.381489
	-0.20896	-2.05275	0.041622	0.383105
	0.152043	2.050906	0.041804	0.38358
	-0.24076	-2.05758	0.041151	0.381884
	0.176824	2.053171	0.041581	0.383015
TBC1D10C;RBM14;ENSG00000255306;RBM4B;CLCF1;PTPRCAP ;ADRBK1	0.321276	2.057	0.041207	0.38198
	0.16686	2.055791	0.041325	0.382238
TRIM29	-0.36171	-2.05098	0.041797	0.383578
	-0.21108	-2.04828	0.042063	0.384493
	-0.15352	-2.04281	0.042608	0.386049
	-0.43228	-2.05609	0.041296	0.382181
CAMSAP1;UBAC1;COL5A1	-0.24746	-2.0467	0.04222	0.384921
	-0.19944	-2.05461	0.04144	0.382634
	0.18145	2.041886	0.042701	0.386312
LRRC59;SLC35B1	0.146394	2.056031	0.041301	0.382181
	0.157799	2.051975	0.041698	0.38319
	0.151855	2.053264	0.041572	0.383015
	0.180925	2.054909	0.041411	0.382564
VDAC1;UQCRQ;HSPA4;C5orf15;PPP2CA	0.144238	2.050988	0.041796	0.383578
	0.136702	2.057254	0.041182	0.381977
	0.161477	2.055653	0.041338	0.382296
TCP11L1;ENSG00000184566;PIGCP1	-0.28664	-2.05454	0.041447	0.382655
	-0.31023	-2.05457	0.041444	0.382644
	0.247206	2.042621	0.042627	0.386122
	-0.18618	-2.05262	0.041635	0.383134
NCOA1;KLHL29	0.180587	2.05154	0.041741	0.383355
	0.179316	2.045347	0.042355	0.385272
	0.150255	2.051034	0.041791	0.383578
	-0.25379	-2.05382	0.041518	0.382921
RARRES3;C11orf48;LRRN4CL;INTS5;HRASLS2;C11orf95;SCGB2A 1;AHNAK;OTUB1;POLR2G	-0.26151	-2.04621	0.042269	0.385096
	-0.27927	-2.04495	0.042394	0.385428
	-0.16577	-2.04939	0.041953	0.384103
	0.19893	2.057131	0.041194	0.38198
	0.148972	2.047577	0.042133	0.384777
	0.197189	2.054958	0.041406	0.382562
COBL	-0.34991	-2.05463	0.041438	0.382634
	0.188757	2.050295	0.041864	0.383813
IFFO1;VWF;SCNN1A;CD27;NTF3;KCNA1;ANO2;KCNA5;AKAP3	0.26848	2.050089	0.041884	0.383869

ENSG00000255334	-0.28075	-2.0536	0.041539	0.382965
	-0.29195	-2.05163	0.041732	0.38331
KIAA0355	-0.27165	-2.05288	0.041609	0.38305
	0.10448	2.053348	0.041564	0.383015
	-0.16548	-2.05617	0.041288	0.382181
	0.382155	2.056064	0.041298	0.382181
	0.154244	2.057363	0.041171	0.381965
	0.101387	2.045828	0.042307	0.385204
CDH23	0.189289	2.04936	0.041956	0.384115
	-0.25944	-2.05701	0.041205	0.38198
	-0.24944	-2.05872	0.041039	0.381448
	0.216965	2.056165	0.041288	0.382181
	-0.16543	-2.05056	0.041838	0.38375
FZD4;SYTL2;DLG2;ENSG00000255471;CCDC89;TMEM126B;TM				
EM126A	0.299889	2.052075	0.041689	0.38319
	0.275341	2.056792	0.041227	0.382038
EXOC3L4	0.209876	2.057192	0.041188	0.38198
	0.11273	2.05295	0.041603	0.383015
	0.264358	2.050323	0.041861	0.383813
	0.175469	2.053865	0.041513	0.382899
	-0.1253	-2.05162	0.041733	0.38331
	-0.14695	-2.05554	0.041349	0.382358
	-0.22376	-2.04718	0.042172	0.384827
ICAM1;COL5A3;AP1M2	0.256885	2.054821	0.041419	0.382602
IRF6;HHAT;HSD11B1	-0.27009	-2.04726	0.042165	0.384824
GLT8D2	0.293158	2.048697	0.042022	0.384356
	0.267799	2.052007	0.041695	0.38319
	0.217158	2.052859	0.041612	0.383061
CD22;FXYD5;ZFP14	0.153293	2.048978	0.041994	0.384267
	-0.27492	-2.05553	0.04135	0.382358
	-0.18736	-2.05463	0.041438	0.382634
	0.116832	2.052786	0.041619	0.383094
	0.210352	2.058346	0.041076	0.381598
	0.194539	2.053176	0.04158	0.383015
SLFN12L;ENSG00000267369;ENSG00000267554;ENSG0000026				
7046;CCL2;ENSG00000267074	0.288814	2.055397	0.041363	0.382412
	0.185643	2.053742	0.041525	0.382922
FKBP10;KRT42P;PTRF;ATP6V0A1;KRT19;COASY;STAT5B;KRT23	-0.20797	-2.05013	0.04188	0.383845
	0.256768	2.054624	0.041439	0.382634
	0.219631	2.051986	0.041697	0.38319
	-0.17624	-2.05192	0.041704	0.383206
	-0.23459	-2.04836	0.042055	0.384493
	0.205431	2.055416	0.041361	0.382403
LCK	0.308957	2.055086	0.041393	0.382511
	-0.23435	-2.05295	0.041602	0.383015
	-0.33951	-2.05641	0.041264	0.382179

	0.210028	2.051022	0.041792	0.383578
SPI1	-0.26082	-2.05362	0.041537	0.38296
	0.264966	2.054507	0.04145	0.382659
	0.218532	2.0571	0.041197	0.38198
	-0.1699	-2.05772	0.041137	0.381866
SLC45A1;CAMTA1;SLC2A5	-0.36614	-2.04633	0.042257	0.38507
	0.246362	2.052203	0.041676	0.38319
	-0.3288	-2.04705	0.042185	0.384838
	0.218854	2.051293	0.041766	0.383487
	0.156699	2.052383	0.041658	0.383137
	-0.18165	-2.04746	0.042145	0.38481
	0.235688	2.053997	0.0415	0.382856
	0.227003	2.051496	0.041746	0.383378
	0.19882	2.046713	0.042219	0.384921
	-0.14406	-2.0502	0.041873	0.38383
	0.261162	2.057015	0.041205	0.38198
OLFM2;ICAM1;COL5A3;AP1M2;SMARCA4	0.222259	2.045461	0.042343	0.385272
	-0.19384	-2.04879	0.042013	0.384337
	0.214539	2.05597	0.041307	0.382184
	0.242091	2.056336	0.041271	0.382181
	-0.24064	-2.04552	0.042337	0.385264
	0.242411	2.05673	0.041233	0.382045
NOVA2	-0.16029	-2.04927	0.041965	0.384127
	0.221857	2.045418	0.042348	0.385272
SCARB1	-0.33659	-2.05719	0.041188	0.38198
	-0.38523	-2.05048	0.041845	0.383777
	0.220475	2.04893	0.041999	0.384267
	-0.26506	-2.04695	0.042196	0.384865
	0.201007	2.053294	0.041569	0.383015
COL4A2	-0.33501	-2.05373	0.041526	0.382922
	-0.21724	-2.05208	0.041688	0.38319
	-0.16977	-2.04838	0.042053	0.384493
	-0.17155	-2.04805	0.042086	0.384581
	0.234407	2.046405	0.042249	0.385035
TPM1;TLN2;ENSG00000259498	-0.22778	-2.05091	0.041803	0.38358
TNFAIP8	-0.3155	-2.04967	0.041926	0.384014
TSPAN17;FGFR4;NOP16;CLTB;LMAN2	-0.22858	-2.05313	0.041585	0.383015
HSBP1L1;ENSG00000267270	0.336707	2.051228	0.041772	0.383505
	-0.19676	-2.05212	0.041684	0.38319
	-0.223	-2.0508	0.041814	0.383629
	-0.2443	-2.0559	0.041314	0.382198
	-0.15382	-2.04827	0.042064	0.384493
	-0.42946	-2.05423	0.041478	0.382742
	-0.18843	-2.05365	0.041534	0.382955
	0.262365	2.053489	0.04155	0.382986
	-0.48202	-2.0551	0.041392	0.382511
	0.176618	2.043798	0.042509	0.385794

	0.28001	2.050273	0.041866	0.383813
	0.187827	2.056851	0.041221	0.382028
	0.214069	2.048316	0.04206	0.384493
BDH1;LMLN;KIAA0226	0.188998	2.052418	0.041655	0.383137
	0.246531	2.052583	0.041639	0.383134
	-0.24347	-2.05106	0.041789	0.383578
	0.175951	2.050423	0.041851	0.383781
	-0.21704	-2.0558	0.041324	0.382238
	-0.88172	-2.03908	0.042983	0.387228
	-0.19218	-2.04831	0.04206	0.384493
	0.236324	2.053948	0.041505	0.38287
	0.205753	2.056513	0.041254	0.382166
	0.231025	2.044291	0.04246	0.385633
	-0.11461	-2.05449	0.041452	0.382659
STK10	0.390388	2.05247	0.04165	0.383137
PLXDC1;IGFBP4;ERBB2;NR1D1;PCGF2;MIEN1;PIP4K2B;PSMB3;T				
HRA	0.341511	2.052947	0.041603	0.383015
	0.193488	2.055546	0.041348	0.382358
CA12	0.127654	2.050262	0.041867	0.383813
	0.215176	2.052793	0.041618	0.383094
LSM2	0.136644	2.05232	0.041664	0.383174
SNORD3B-1;SNORD3A;SNORD3D;SNORD3B-2	0.148239	2.054156	0.041484	0.382772
	-0.23233	-2.05435	0.041465	0.382679
FERMT2;DDHD1	0.212716	2.054937	0.041408	0.382562
	0.181195	2.052731	0.041624	0.383105
	0.114928	2.053072	0.041591	0.383015
	0.276206	2.053469	0.041552	0.382986
TBC1D10C	-0.23077	-2.0527	0.041627	0.38311
	-0.1918	-2.0458	0.042309	0.385215
SMTN;UQCR10;THOC5;PES1	0.204619	2.050124	0.041881	0.383845
	-0.13235	-2.05235	0.041661	0.383155
	0.218474	2.057165	0.041191	0.38198
	0.13106	2.053234	0.041575	0.383015
CDIP1;GLIS2;C16orf71;SMIM22;GLYR1;CREBBP;SRL;C16orf89;S				
EC14L5;CORO7;NUDT16L1	-0.27824	-2.04834	0.042057	0.384493
	-0.24558	-2.05304	0.041593	0.383015
	0.242024	2.050823	0.041812	0.383625
FNDC3B	-0.21468	-2.04421	0.042468	0.385645
	0.255958	2.041593	0.04273	0.386374
	-0.17018	-2.049	0.041991	0.384266
	-0.21288	-2.05688	0.041219	0.382021
LIMS2	-0.25209	-2.05104	0.04179	0.383578
	0.171406	2.049272	0.041965	0.384127
	-0.21564	-2.05024	0.041869	0.383814
	0.215598	2.045338	0.042356	0.385272
	0.091774	2.04897	0.041995	0.384267
	0.214435	2.052257	0.041671	0.38319

ZFP14	-0.15846	-2.0531	0.041588	0.383015
	-0.14719	-2.05107	0.041788	0.383578
	0.262721	2.048931	0.041999	0.384267
	-0.16596	-2.0417	0.042719	0.386365
ENSG00000272933;FBXW4	-0.13314	-2.05231	0.041666	0.383174
	-0.22472	-2.05397	0.041503	0.382858
DNAJC16;HSPB7;FBLIM1	-0.16062	-2.04794	0.042097	0.384609
HCP5;HLA-B;HLA-E	-0.27912	-2.05337	0.041561	0.383015
	0.179512	2.047531	0.042137	0.384782
	0.186866	2.050634	0.041831	0.38373
FOXP2	0.234045	2.051149	0.04178	0.383544
	0.198249	2.045647	0.042325	0.385253
	0.221236	2.055133	0.041389	0.382502
	0.209286	2.051645	0.041731	0.38331
	0.203639	2.053121	0.041586	0.383015
	0.190782	2.048972	0.041995	0.384267
NUAK2	0.213054	2.05127	0.041768	0.383492
	-0.32137	-2.04956	0.041936	0.384046
	0.231623	2.055762	0.041327	0.382244
	0.138941	2.052787	0.041619	0.383094
	0.150112	2.05296	0.041602	0.383015
	0.219522	2.052091	0.041687	0.38319
DNM1P47;ENSG00000259236;CHSY1	0.163416	2.039593	0.042932	0.387043
MFSD2A	-0.20131	-2.05207	0.041689	0.38319
	0.207226	2.053167	0.041581	0.383015
	0.183843	2.051375	0.041758	0.383438
COL4A3;COL4A4	-0.31	-2.04975	0.041918	0.384008
SYNRG	-0.18409	-2.05313	0.041585	0.383015
	0.170141	2.053467	0.041552	0.382986
	0.166473	2.050842	0.04181	0.383616
	-0.26143	-2.05178	0.041718	0.383263
DNAJC28	-0.27987	-2.05093	0.041802	0.38358
SNORA71C	-0.42903	-2.05339	0.04156	0.383013
	-0.19241	-2.05492	0.041409	0.382562
	0.253858	2.05464	0.041437	0.382634
	-0.17939	-2.05122	0.041773	0.383508
	-0.17736	-2.04961	0.041931	0.384021
	0.177952	2.049881	0.041905	0.383972
ZNF641;AQP6;KANSL2	0.157819	2.050574	0.041836	0.38375
	-0.21979	-2.05052	0.041841	0.383764
	0.136701	2.051799	0.041716	0.383261
	0.186575	2.053764	0.041523	0.382922
	0.222582	2.049886	0.041904	0.383972
	-0.26331	-2.04765	0.042125	0.384734
	0.127909	2.053522	0.041547	0.382986
SLC16A9	-0.26901	-2.0524	0.041657	0.383137
	0.226808	2.052052	0.041691	0.38319

	-0.23028	-2.05608	0.041297	0.382181
	-0.15851	-2.05219	0.041677	0.38319
	-0.12184	-2.04555	0.042334	0.385264
	0.248572	2.047288	0.042162	0.384824
	-0.19744	-2.05469	0.041432	0.382634
	0.100481	2.048422	0.042049	0.384493
STK10	0.177979	2.048885	0.042003	0.384288
	0.221509	2.052217	0.041675	0.38319
ENSG00000261970	0.259179	2.053245	0.041574	0.383015
	0.220784	2.047932	0.042098	0.384609
	0.220548	2.053411	0.041557	0.383008
PTPRG	-0.2561	-2.0533	0.041569	0.383015
	0.248917	2.050782	0.041816	0.383629
	0.285104	2.042384	0.042651	0.386156
	-0.1483	-2.05248	0.041649	0.383137
	0.141783	2.051902	0.041706	0.383206
	0.215985	2.054741	0.041427	0.382623
	-0.19254	-2.04864	0.042028	0.384384
ZNF423	0.147202	2.050561	0.041838	0.38375
	-0.14451	-2.04706	0.042184	0.384838
PPP1R18;GABBR1;DDR1;DHX16;MRPS18B;HLA-F-AS1;NRM;HCG4	0.439371	2.050318	0.041862	0.383813
	0.20864	2.043746	0.042514	0.385794
	-0.27195	-2.04511	0.042379	0.385387
LSP1	0.299261	2.050974	0.041797	0.383578
	-0.12611	-2.04671	0.042219	0.384921
DFFB;PRDM16;TPRG1L	-0.29339	-2.05196	0.0417	0.38319
CLSPN	0.190232	2.040735	0.042816	0.38665
	-0.1691	-2.0459	0.0423	0.385186
EBF1;ENSG00000253811;ENSG00000253456;RNF145	-0.19743	-2.0471	0.04218	0.384832
	0.330511	2.053627	0.041536	0.38296
RUNX1T1	0.314568	2.051898	0.041706	0.383206
	-0.17989	-2.04564	0.042326	0.385253
FAIM3;PFKFB2;C1orf186;SRGAP2;DYRK3	0.361381	2.05527	0.041375	0.382445
	-0.21446	-2.05217	0.041679	0.38319
	0.252764	2.053871	0.041512	0.382899
	-0.27707	-2.05119	0.041776	0.383527
KCNMA1;ENSG00000236467;ENSG00000225652;DLG5-AS1	-0.32267	-2.05259	0.041638	0.383134
SLC37A1;TMPRSS2;C21orf128;TMPRSS3;RSPH1;LINC00479;ENSG00000225431;PDE9A;LINC00111;ZNF295-AS1;UMODL1;ENSG00000235772	-0.24483	-2.04556	0.042334	0.385264
	-0.1719	-2.0465	0.04224	0.385
	-0.1796	-2.0514	0.041755	0.383427
	0.251527	2.053707	0.041528	0.382922
	-0.25149	-2.05199	0.041697	0.38319
	0.185353	2.05477	0.041424	0.382623

COL4A2;COL4A1;RAB20	0.255901	2.052936	0.041604	0.383017
	0.390443	2.052455	0.041651	0.383137
	-0.15518	-2.05565	0.041339	0.382296
LHPP;FANK1;FANK1-AS1;ADAM12	0.290246	2.048328	0.042059	0.384493
	0.189473	2.054383	0.041462	0.382674
	-0.26565	-2.05308	0.04159	0.383015
	-0.22591	-2.05001	0.041892	0.383914
POLR3F	-0.20981	-2.04942	0.04195	0.384085
	0.150569	2.048771	0.042015	0.384338
	-0.18559	-2.04935	0.041957	0.384115
	0.240716	2.053641	0.041535	0.382957
SP140	-0.21144	-2.04319	0.04257	0.385915
	0.198081	2.049205	0.041972	0.384166
KLK13	-0.1665	-2.05115	0.041779	0.383544
	-0.2162	-2.05108	0.041787	0.383578
	0.273377	2.043911	0.042498	0.385754
	0.09138	2.047363	0.042154	0.384824
	0.299556	2.05323	0.041575	0.383015
	0.261478	2.049432	0.041949	0.384084
TBC1D4;LMO7	-0.30059	-2.04897	0.041995	0.384267
WDR45B	-0.19999	-2.04948	0.041944	0.384062
	0.15751	2.045692	0.04232	0.385246
ROBO2	-0.2686	-2.04855	0.042036	0.384453
CYB5R1;KIF21B;PTPN7;NAV1;TMEM9	-0.31161	-2.05006	0.041887	0.383883
HINT2;STOML2;UNC13B;CLTA;PIGO;VCP;TLN1	-0.31487	-2.05047	0.041847	0.383777
	0.187929	2.053462	0.041552	0.382986
	-0.16457	-2.04418	0.042471	0.385651
	0.208665	2.053174	0.041581	0.383015
	0.213257	2.046475	0.042242	0.385
	-0.21239	-2.05611	0.041294	0.382181
PRDX5;NRXN2;SIPA1;PPP2R5B;CST6;STIP1;PYGM;MAP3K11;EFEMP2;EHBP1L1;TM7SF2;LTBP3;DNAJC4;EHD1;RASGRP2;ZNHIT2;SLC25A45;BANF1;SNX15;MAP4K2;PLCB3;RNASEH2C	-0.2312	-2.04436	0.042453	0.385631
	0.099266	2.043844	0.042505	0.385783
	0.264154	2.053029	0.041595	0.383015
	-0.20198	-2.04986	0.041907	0.383972
	0.199868	2.049714	0.041921	0.384008
S100P;EVC;CCDC96	-0.31147	-2.04744	0.042146	0.38481
SLC41A1;SRGAP2;TMCC2;C1orf186	0.233154	2.053717	0.041527	0.382922
	0.197056	2.051245	0.04177	0.383498
CD46	-0.29524	-2.05505	0.041397	0.382533
	0.165854	2.05174	0.041722	0.383273
	0.195711	2.049993	0.041894	0.383914
	0.155695	2.052007	0.041695	0.38319
ENSG00000230606	0.158459	2.052459	0.041651	0.383137
TBX3	-0.24676	-2.05056	0.041837	0.38375

	-0.32019	-2.05175	0.041721	0.383272
	0.259804	2.049779	0.041915	0.384008
	-0.26699	-2.05601	0.041304	0.382181
	-0.15272	-2.04924	0.041968	0.384144
	-0.23402	-2.04759	0.042132	0.384775
GPR55	-0.24724	-2.05357	0.041542	0.382966
	0.145711	2.050553	0.041838	0.38375
SYNE3;C14orf132;LINC00341;CLMN;IFI27	0.203066	2.051347	0.04176	0.383449
GOLGA5;CPSF2	-0.13366	-2.05075	0.041819	0.383649
	0.233743	2.052233	0.041673	0.38319
NDUFS6;MRPL36	0.207327	2.052456	0.041651	0.383137
TSTA3	0.176784	2.051973	0.041699	0.38319
	0.232306	2.048278	0.042063	0.384493
WIPF1	-0.25857	-2.0521	0.041686	0.38319
SP100	0.37769	2.047889	0.042102	0.384619
	-0.20109	-2.04701	0.042189	0.384845
NLRC5;GNAO1;GPR114;ENSG00000261270	-0.29003	-2.05437	0.041463	0.382674
	0.252794	2.044486	0.042441	0.385585
	0.170493	2.051345	0.04176	0.383449
	0.132589	2.046519	0.042238	0.384997
	0.316349	2.048698	0.042022	0.384356
SKI;VWA1;SSU72;RER1;TNFRSF14	0.181497	2.049381	0.041954	0.384106
	0.173168	2.052398	0.041657	0.383137
ABHD11;WBSCR22;CLDN4;LAT2;GTF2I;ENSG00000233369;WB SCR27;LINC00035;NCF1B;NCF1	-0.25256	-2.05175	0.041721	0.383272
CNTNAP1;TUBG2;AOC3;FKBP10;HAP1;EZH1;BECN1;COASY;PTR F;RAMP2;ACLY;RAMP2-AS1;PLEKHH3;ENSG00000267221	-0.26038	-2.05292	0.041605	0.383019
	0.313246	2.053276	0.041571	0.383015
	0.210283	2.051046	0.04179	0.383578
	0.256611	2.048011	0.04209	0.384589
	0.213286	2.04793	0.042098	0.384609
	-0.19531	-2.05256	0.041641	0.383134
	0.209347	2.043777	0.042511	0.385794
	0.179969	2.041855	0.042704	0.386312
	-0.29985	-2.05429	0.041471	0.382705
	0.220821	2.052762	0.041621	0.383105
	-0.29859	-2.05315	0.041583	0.383015
PTP4A3;DENND3	-0.28992	-2.05019	0.041874	0.383835
RASSF1;P4HTM;DALRD3;UBA7	-0.21525	-2.04213	0.042677	0.386264
ENSG00000259768	-0.20105	-2.03772	0.04312	0.38755
	-0.17031	-2.04703	0.042187	0.384845
ARID3A;GNG7;MUM1;BTBD2	0.166469	2.052729	0.041624	0.383105
	-0.29305	-2.04589	0.042301	0.385186
NUP62	0.250778	2.051485	0.041747	0.38338
	0.206274	2.053892	0.04151	0.382899
	-0.2159	-2.05263	0.041634	0.383134

MFN2	0.226152	2.05201	0.041695	0.38319
	0.110656	2.046034	0.042286	0.385183
	0.272949	2.050414	0.041852	0.383781
	-0.2351	-2.04348	0.042541	0.385848
	-0.15714	-2.0469	0.0422	0.384876
	-0.14583	-2.04111	0.042779	0.386545
	0.418118	2.050992	0.041795	0.383578
	0.200007	2.049637	0.041929	0.384019
	0.217789	2.051604	0.041735	0.383313
	0.186599	2.048748	0.042017	0.38435
IGLV1-40;IGLV1-44	0.304506	2.052216	0.041675	0.38319
	-0.16314	-2.04568	0.042321	0.385247
	-0.17383	-2.05058	0.041836	0.38375
	-0.14396	-2.05269	0.041629	0.383119
	0.184775	2.047189	0.042171	0.384827
	-0.26481	-2.05197	0.041699	0.38319
DGKH;EPSTI1	0.281091	2.051405	0.041755	0.383427
	-0.208	-2.05073	0.041821	0.383658
	0.179445	2.041786	0.042711	0.386322
	0.2732	2.050994	0.041795	0.383578
TNIP3	-0.31268	-2.04727	0.042164	0.384824
	0.189981	2.05451	0.04145	0.382659
VWA5A;ESAM;ROBO4	0.266958	2.046774	0.042213	0.384903
ENSG00000272088	0.162135	2.04579	0.042311	0.385215
	-0.12746	-2.04637	0.042253	0.385057
NRROS;BDH1;LMLN	-0.23277	-2.04433	0.042456	0.385631
	-0.20447	-2.04986	0.041907	0.383972
RPS3AP6	-0.23964	-2.04552	0.042338	0.385264
	0.271753	2.046785	0.042212	0.384903
	0.243276	2.046285	0.042261	0.38507
	-0.24333	-2.05299	0.041599	0.383015
EFHD1	-0.19218	-2.05372	0.041528	0.382922
	0.195637	2.052982	0.041599	0.383015
	0.220576	2.046951	0.042195	0.384865
	0.217027	2.050904	0.041804	0.38358
ENSG00000234478;EPHX1;PYCR2;C1orf95	-0.2648	-2.04677	0.042213	0.384903
	0.145246	2.047225	0.042168	0.384824
SCNN1G	0.256694	2.051045	0.04179	0.383578
	0.165542	2.048306	0.042061	0.384493
	0.177676	2.049111	0.041981	0.384209
GLTSCR1L	0.260125	2.044542	0.042435	0.385576
	0.273523	2.052087	0.041687	0.38319
	-0.27641	-2.04809	0.042082	0.384555
TSPAN4;PSMD13;ENSG00000250397;TALDO1;TMEM80;PHRF1; BRSK2;MUC6;ODF3;DEAF1	0.220011	2.052668	0.04163	0.383127
	0.261797	2.048502	0.042041	0.38448
PTPN20A	-0.41226	-2.04951	0.041942	0.384054

B3GNT3;ZNF14;FCHO1;SLC25A42;JAK3	-0.35164	-2.05026	0.041867	0.383813
CLDN11	0.296721	2.046983	0.042192	0.384856
	-0.16467	-2.04315	0.042575	0.385934
	0.149673	2.042417	0.042648	0.386156
	0.161168	2.052387	0.041658	0.383137
	-0.20483	-2.04755	0.042136	0.384782
	-0.22085	-2.04912	0.04198	0.384209
	-0.18643	-2.05325	0.041573	0.383015
	-0.26409	-2.05316	0.041582	0.383015
RNF32	0.227911	2.047904	0.042101	0.384613
	-0.27895	-2.05164	0.041732	0.38331
	-0.18954	-2.04917	0.041975	0.384175
LRRC63;COG3;SIAH3;TPT1	-0.20556	-2.04686	0.042204	0.384889
	-0.32744	-2.04613	0.042277	0.385143
ENSG00000260337;ENSG00000258676;FAM174B;ENSG00000				
271763	-0.33817	-2.05244	0.041652	0.383137
ANXA2;ENSG00000259481	-0.25687	-2.04528	0.042362	0.385294
	0.33282	2.049736	0.041919	0.384008
MAD1L1;SUN1;HEATR2	-0.26171	-2.04973	0.041919	0.384008
SLC38A6;LRRC9	-0.15318	-2.04611	0.042279	0.385143
	0.233533	2.047307	0.04216	0.384824
C20orf194	0.182767	2.045561	0.042333	0.385264
ANO1;SHANK2	-0.17958	-2.04933	0.041959	0.384116
	0.248634	2.048714	0.04202	0.384356
	0.199714	2.048431	0.042048	0.384493
	0.189175	2.042267	0.042663	0.386194
ENSG00000259508;MOK;KIF26A;CKB;SNORA28;ENSG0000024				
6451;EIF5;C14orf2;ENSG00000270108;KLC1;ENSG0000026028				
5	-0.30175	-2.04101	0.042789	0.386566
	0.301551	2.042383	0.042651	0.386156
	0.209387	2.047057	0.042185	0.384838
MFSD4	-0.28506	-2.04803	0.042088	0.384585
WDFY4;C10orf128	0.311894	2.04766	0.042125	0.384734
	-0.24062	-2.04829	0.042063	0.384493
	-0.33784	-2.04676	0.042214	0.384905
	0.220768	2.049316	0.041961	0.384116
LTF;CDCP1;ZDHHC3	-0.3255	-2.04603	0.042287	0.385183
	-0.21225	-2.04793	0.042097	0.384609
	-0.19648	-2.05034	0.041859	0.383812
	0.170671	2.047754	0.042115	0.384683
	0.256483	2.051553	0.04174	0.383351
GRASP;ACVRL1	0.235463	2.049267	0.041965	0.384127
	-0.25091	-2.04836	0.042055	0.384493
	0.256919	2.050388	0.041855	0.383781
	0.105372	2.04818	0.042073	0.384518
	0.208189	2.051841	0.041712	0.383231
	0.179498	2.052102	0.041686	0.38319

FGFR3	0.428661	2.045396	0.04235	0.385272
	0.19926	2.051249	0.04177	0.383498
ROR1;ENSG00000226891;LEPR;CFL1P3;ENSG00000223949;EN				
SG00000177452;CACHD1	-0.2696	-2.04419	0.04247	0.385645
	0.255985	2.049632	0.041929	0.384019
	0.204156	2.045061	0.042383	0.3854
	0.236731	2.049341	0.041958	0.384116
	0.262393	2.04428	0.042461	0.385633
	0.238742	2.053508	0.041548	0.382986
	0.391023	2.054443	0.041456	0.382659
SLC5A1	-0.25029	-2.0466	0.04223	0.384961
	0.215364	2.05212	0.041684	0.38319
PDCD6;LPCAT1;ENSG00000188002;TRIP13;NKD2	-0.25322	-2.0384	0.043052	0.387402
	-0.22355	-2.0478	0.042111	0.384649
	0.222295	2.044589	0.04243	0.385566
	0.160573	2.045005	0.042389	0.385417
	-0.28299	-2.05027	0.041866	0.383813
	0.244705	2.044336	0.042456	0.385631
	0.138368	2.046	0.04229	0.385183
	0.21212	2.052484	0.041648	0.383137
	-0.23843	-2.04561	0.042328	0.385256
	0.169889	2.046301	0.04226	0.38507
IQUB;ENSG00000232524;AASS	0.201292	2.043421	0.042547	0.385864
	0.206825	2.047329	0.042158	0.384824
	-0.18357	-2.04984	0.041909	0.383975
	0.264326	2.042632	0.042626	0.386122
CYP4F12;HSH2D;ZNF333	-0.57712	-2.04988	0.041905	0.383972
	0.205581	2.041097	0.04278	0.386545
ISYNA1	-0.18603	-2.04682	0.042208	0.384903
CLDN16	-0.30207	-2.04229	0.042661	0.386191
GPR183	-0.27845	-2.0481	0.042081	0.384549
RER1;ENSG00000203301	0.230127	2.043393	0.04255	0.385881
	-0.21374	-2.04786	0.042105	0.384638
	-0.23649	-2.03665	0.043229	0.387805
	-0.19603	-2.04571	0.042319	0.385246
	0.183924	2.04782	0.042109	0.384648
	0.140223	2.04981	0.041912	0.383989
	0.266035	2.05204	0.041692	0.38319
	0.257798	2.051842	0.041712	0.383231
RASAL3;GIPC1;IL27RA	0.143603	2.049665	0.041926	0.384014
	-0.16744	-2.04792	0.042099	0.384609
HS3ST1	-0.20606	-2.04674	0.042216	0.38491
	0.216692	2.050782	0.041816	0.383629
	0.145923	2.048808	0.042011	0.384329
	-0.21002	-2.04324	0.042565	0.385915
	-0.24052	-2.04496	0.042394	0.385428
	-0.26595	-2.04689	0.042202	0.384878

	0.169217	2.042872	0.042602	0.386031
	-0.16642	-2.04404	0.042486	0.385707
	-0.29135	-2.04164	0.042725	0.386374
TM7SF2;CST6;PRDX5;NRXN2;RASGRP2;MAP4K2;EFEMP2;PYGM				
;STIP1;SIPA1;FIBP;TRPT1	-0.40987	-2.04011	0.042879	0.386786
	-0.2377	-2.04398	0.042491	0.385721
	-0.12138	-2.04563	0.042326	0.385253
	0.18088	2.050918	0.041803	0.38358
	0.160948	2.050662	0.041828	0.383712
	-0.18333	-2.044	0.042489	0.385717
	-0.36689	-2.04893	0.041999	0.384267
	0.174325	2.046446	0.042245	0.385014
	-0.13902	-2.04389	0.042501	0.385763
	-0.3314	-2.05015	0.041879	0.383845
DIP2C	0.204121	2.050991	0.041795	0.383578
	0.187645	2.046576	0.042232	0.384979
	-0.18164	-2.05093	0.041802	0.38358
	0.173621	2.044509	0.042438	0.385581
	-0.25855	-2.04713	0.042178	0.384832
	0.162899	2.044298	0.042459	0.385633
	0.22581	2.043683	0.042521	0.385798
VPS26BP1	-0.16304	-2.05167	0.041729	0.38331
	0.230005	2.050795	0.041815	0.383629
	0.178766	2.040083	0.042882	0.386786
PTPN7	-0.1529	-2.04754	0.042136	0.384782
	0.108687	2.034673	0.04343	0.388507
	-0.36725	-2.04732	0.042159	0.384824
	0.241665	2.049502	0.041942	0.384054
	-0.19991	-2.04973	0.04192	0.384008
	-0.3471	-2.04917	0.041975	0.384175
	0.230027	2.046421	0.042248	0.385028
	0.172055	2.047004	0.04219	0.384845
NUP210;FGD5	-0.2205	-2.04466	0.042423	0.385519
	-0.16405	-2.05107	0.041788	0.383578
	0.206397	2.047218	0.042169	0.384824
	-0.25172	-2.04253	0.042636	0.386144
	0.176411	2.046558	0.042234	0.384986
ENSG00000230490;STARD13-				
AS;ENSG00000232986;ENSG00000234535	0.249531	2.040792	0.042811	0.386612
	0.133253	2.041291	0.042761	0.386489
	-0.23843	-2.04972	0.04192	0.384008
	0.308082	2.041879	0.042702	0.386312
	0.293294	2.051272	0.041768	0.383492
ARHGEF1;CYP2F1;B9D2;GRIK5;CD79A;TGFB1;POU2F2;ENSG00				
000268833;CEACAM1	-0.22384	-2.04557	0.042333	0.385264
	-0.13988	-2.04079	0.042811	0.386612
	-0.17276	-2.05024	0.041869	0.383814

	-0.21317	-2.05206	0.04169	0.38319
	-0.24599	-2.04732	0.042158	0.384824
	0.256265	2.044123	0.042477	0.385665
ENSG00000255308;ENSG00000255160;CSRP3;ENSG00000256				
361	-0.16872	-2.04036	0.042854	0.386744
	0.206621	2.046856	0.042205	0.384889
	0.199104	2.045067	0.042383	0.3854
	0.211954	2.044439	0.042445	0.385607
	0.299667	2.047329	0.042158	0.384824
	-0.18337	-2.04812	0.042079	0.384544
	0.266487	2.043076	0.042582	0.385947
	-0.15029	-2.04566	0.042323	0.385247
ANKRD24	-0.28759	-2.04741	0.042149	0.384811
ARFIP2;ZNF214;CNGA4;APBB1;TRIM5;TRIM3;TIMM10B;TRIM2				
2;GVINP1	0.126601	2.046802	0.04221	0.384903
	-0.42997	-2.05178	0.041717	0.383263
	-0.12222	-2.03874	0.043018	0.38729
	0.170747	2.03828	0.043064	0.387425
ALOX15;ITGAE;NUP88	-0.35315	-2.04593	0.042297	0.385186
CMKLR1	-0.22159	-2.0441	0.042479	0.385671
	-0.18835	-2.04444	0.042445	0.385607
	-0.25476	-2.04275	0.042614	0.386049
	0.169421	2.045895	0.0423	0.385186
TESC	-0.22285	-2.04337	0.042552	0.385881
	-0.13668	-2.04631	0.042259	0.38507
IQCA1	-0.28505	-2.04022	0.042868	0.386786
	-0.24788	-2.0473	0.042161	0.384824
GNA15;S1PR4	-0.21369	-2.04467	0.042422	0.385519
	0.331726	2.028334	0.04408	0.390478
	0.255795	2.050268	0.041867	0.383813
	0.20525	2.047076	0.042183	0.384838
	0.190448	2.03692	0.043202	0.38773
	0.13332	2.038941	0.042997	0.387239
GARNL3	0.240161	2.050956	0.041799	0.38358
	0.249164	2.039397	0.042951	0.387089
	-0.22066	-2.04739	0.042152	0.384817
	-0.13416	-2.04536	0.042353	0.385272
PPP1R10;HCG4	-0.27727	-2.03631	0.043264	0.387904
	0.232161	2.045692	0.04232	0.385246
UNC13D;ST6GALNAC2;SPHK1;ST6GALNAC1;GALK1;RNF157-AS1;RHBDF2;PRPSAP1;TRIM65	-0.23899	-2.04428	0.042461	0.385633
PCDH12;PCDHGA12;PCDHGB8P;PCDHGC5;PCDHGB6;HDAC3;SPRY4;ARAP3;PCDHGA11;PCDHGA8;PCDHGA9;TAF7;PCDHGA4;PCDHGB7;PCDHGA10;PCDHGC4;PCDHGA2;PCDHGB2	-0.19894	-2.04416	0.042473	0.385662
	-0.21933	-2.04484	0.042405	0.385459
	-0.21972	-2.04764	0.042127	0.384739

	0.100828	2.036206	0.043274	0.387918
	0.166411	2.047477	0.042143	0.384803
	-0.33969	-2.04282	0.042607	0.386049
	-0.22792	-2.04821	0.04207	0.384518
	0.116483	2.037063	0.043187	0.387682
FAM157C;CYBA	-0.21364	-2.03944	0.042947	0.387089
GEM	0.171744	2.042302	0.042659	0.386191
	0.243424	2.04625	0.042265	0.385077
	-0.30961	-2.04488	0.042401	0.385454
	-0.16516	-2.04295	0.042594	0.386009
	0.195518	2.039869	0.042904	0.386885
HN1L;ENSG00000196674;NME4;IFT140;SOX8;CCDC78;NHLRC4;SNRNP25;ENSG00000260807;BAIAP3;UNKL;HAGHL;ENSG00000261659;MRPL28;RGS11;WDR90;HAGH	-0.47644	-2.04953	0.04194	0.38405
	0.130923	2.049933	0.0419	0.383952
	0.259158	2.042391	0.04265	0.386156
ENSG00000253671	0.271793	2.043363	0.042553	0.385881
	0.259908	2.048941	0.041998	0.384267
	0.217084	2.043791	0.04251	0.385794
	-0.23918	-2.05042	0.041851	0.383781
KANSL1L	0.297503	2.047952	0.042096	0.384609
	-0.35215	-2.04812	0.042079	0.384544
PRX	-0.23979	-2.0471	0.04218	0.384832
SLA;TG	-0.24128	-2.04837	0.042054	0.384493
	-0.12861	-2.03594	0.043301	0.388017
DIXDC1;LAYN;BCO2	-0.2537	-2.04838	0.042053	0.384493
	-0.23953	-2.04364	0.042525	0.385815
CLINT1	0.224791	2.041574	0.042732	0.386379
	0.212378	2.048539	0.042038	0.384457
	-0.25894	-2.04817	0.042074	0.384518
	0.285173	2.046167	0.042273	0.385119
	0.203479	2.04944	0.041948	0.384084
	0.185686	2.047917	0.042099	0.384609
	-0.17535	-2.04183	0.042707	0.386312
ENSG00000178404;EIF4A3	-0.26665	-2.04547	0.042342	0.385272
	-0.13263	-2.04361	0.042529	0.385815
	0.244255	2.043184	0.042571	0.385915
PYHIN1;SLAMF1;LY9;SLAMF6;AIM2;SLAMF7;FCRL6;CD84;CD48	0.179049	2.047496	0.042141	0.384794
	-0.19983	-2.04407	0.042482	0.385693
	-0.13052	-2.04538	0.042352	0.385272
	0.185654	2.044997	0.04239	0.385417
	0.308174	2.050164	0.041877	0.383845
	0.161334	2.04544	0.042345	0.385272
	0.141871	2.045405	0.042349	0.385272
	0.181813	2.048477	0.042044	0.38448
UNC13B;STOML2;NOL6;VCP	0.212989	2.045471	0.042342	0.385272

FHL3	-0.26361	-2.04369	0.04252	0.385796
RSG1	-0.27376	-2.04864	0.042027	0.384384
	-0.1484	-2.04771	0.04212	0.384697
	-0.34806	-2.0471	0.04218	0.384832
	-0.18435	-2.0449	0.0424	0.385451
	0.245521	2.045169	0.042372	0.38536
	0.276748	2.043352	0.042554	0.385881
	0.270057	2.049934	0.0419	0.383952
	0.276617	2.049525	0.04194	0.38405
	0.107814	2.047175	0.042173	0.384827
ENSG00000258699;TTC8;EFCAB11;ENSG00000258752	0.37611	2.048003	0.042091	0.384589
	-0.18204	-2.04848	0.042043	0.38448
	0.15801	2.045965	0.042293	0.385186
PARP12;SLC37A3	0.168549	2.047515	0.042139	0.384785
RAPGEFL1;ENSG00000264198;CCR7	-0.23872	-2.04422	0.042467	0.385645
	0.205529	2.048185	0.042073	0.384518
	0.202117	2.045972	0.042292	0.385186
	-0.20325	-2.03677	0.043217	0.387775
ENSG00000261003	0.33643	2.029705	0.043938	0.390074
	0.178754	2.044874	0.042402	0.385454
	-0.40368	-2.03645	0.043249	0.387863
ENSG00000218422	0.228349	2.0432	0.042569	0.385915
	0.114876	2.045794	0.04231	0.385215
	0.16964	2.043208	0.042568	0.385915
	0.208871	2.042575	0.042632	0.386123
RPL23AP32;CCDC88A	-0.24503	-2.04726	0.042164	0.384824
	0.214126	2.040326	0.042858	0.386744
TMEM176A;TMEM176B;ENSG00000260555	-0.14462	-2.04057	0.042833	0.386698
	0.276219	2.046521	0.042238	0.384997
	0.228359	2.048364	0.042055	0.384493
	-0.20485	-2.04741	0.042149	0.384811
	0.174137	2.046271	0.042263	0.385074
	-0.28484	-2.04648	0.042242	0.385
ENSG00000272505	-0.1929	-2.04753	0.042138	0.384782
	0.242912	2.04243	0.042646	0.386156
	-0.28044	-2.03819	0.043073	0.387453
ENSG00000267002;RPL27;EIF1;DHX8;LINC00910	0.135903	2.042876	0.042602	0.386031
PDCD6;LPCAT1;TPPP;SLC9A3;TRIP13;ENSG00000225138	-0.27115	-2.04333	0.042556	0.385881
	-0.19781	-2.04119	0.04277	0.386535
	0.20454	2.046917	0.042198	0.384874
	0.285755	2.046651	0.042225	0.384931
	-0.20476	-2.0457	0.04232	0.385246
	-0.27549	-2.04139	0.042751	0.386438
	-0.15535	-2.04553	0.042337	0.385264
	0.211998	2.048163	0.042075	0.384518
	-0.24859	-2.04617	0.042272	0.385119
	0.234981	2.042768	0.042612	0.386049

	-0.12101	-2.0401	0.04288	0.386786
	-0.27778	-2.04783	0.042108	0.384648
	-0.15763	-2.04199	0.04269	0.386295
	-0.32589	-2.04741	0.04215	0.384811
	0.24802	2.046679	0.042222	0.38493
	-0.19731	-2.04396	0.042493	0.385724
	0.215123	2.048237	0.042067	0.384517
	-0.16395	-2.045	0.042389	0.385417
	-0.21926	-2.04449	0.04244	0.385585
	0.087177	2.043533	0.042536	0.385821
KRT23;STAT5B;KRT13;FKBP10;KRT20;STAT5A;PTRF;KRT12;ATP6V0A1	-0.32718	-2.0437	0.042519	0.385796
HMGN4;HIST1H4J	-0.19193	-2.04046	0.042844	0.386727
	-0.15178	-2.03878	0.043013	0.38729
	0.211691	2.046646	0.042225	0.384931
	-0.18953	-2.0386	0.043031	0.387355
ADAMTS2;GFPT2;FLT4;ENSG00000260841	-0.18346	-2.04466	0.042423	0.385519
	-0.20146	-2.04183	0.042706	0.386312
	0.270029	2.049052	0.041987	0.384239
ROBO4;TMEM218	0.276424	2.047218	0.042169	0.384824
	0.225274	2.044435	0.042446	0.385607
TMEM204	-0.20488	-2.04567	0.042323	0.385247
	-0.21018	-2.04723	0.042167	0.384824
COL1A1;NXPH3;ENSG00000248954;MYCBPAP;CACNA1G;TOB1-AS1;EPN3	0.189913	2.044778	0.042411	0.385493
	0.233697	2.034072	0.043491	0.388656
	0.218075	2.040102	0.04288	0.386786
	-0.28349	-2.0496	0.041932	0.384022
	0.257047	2.047721	0.042119	0.384697
LAMTOR1	0.169664	2.047015	0.042189	0.384845
	0.209445	2.046825	0.042208	0.384903
PRRT3;SRGAP3;ENSG00000206567	-0.23409	-2.0446	0.04243	0.385566
PDLIM7;COL23A1;FGFR4;LMAN2;DBN1	-0.32832	-2.04375	0.042514	0.385794
	0.19839	2.041842	0.042705	0.386312
	0.181459	2.043873	0.042502	0.385764
	0.217483	2.042757	0.042613	0.386049
	0.228997	2.042103	0.042679	0.386264
	0.153536	2.045307	0.042359	0.385283
	0.130085	2.044709	0.042418	0.385506
ZNF618;TNFSF15;BSPRY	0.152404	2.045988	0.042291	0.385183
AP1M2;ICAM1;COL5A3;S1PR5;KANK2;ZNF561;PDE4A;TMED1	0.221781	2.046316	0.042258	0.38507
ARID5A	-0.27738	-2.0461	0.04228	0.385143
	0.177977	2.040895	0.0428	0.386578
ENSG00000264198;IKZF3;ERBB2;KRT20	0.344879	2.046262	0.042264	0.385074
RUVBL1;CHCHD6	-0.20421	-2.04679	0.042211	0.384903
PARVG	-0.19796	-2.04452	0.042438	0.385581

	0.238733	2.049547	0.041938	0.384046
	0.234376	2.045225	0.042367	0.385317
	0.215367	2.048301	0.042061	0.384493
	-0.19645	-2.04185	0.042705	0.386312
	0.183777	2.038357	0.043056	0.387416
TSSC1	0.262158	2.039551	0.042936	0.387073
MSI2;MKS1;SEPT4;TRIM37;PPM1E;AKAP1;RNF43	0.208514	2.041608	0.042729	0.386374
ALDH1A3	-0.27615	-2.04079	0.042811	0.386612
ENSG00000150076;CCDC7	-0.21447	-2.04432	0.042457	0.385631
ANXA4;ARHGAP25;PLEK;AAK1;CNRIP1;ENSG00000188971;WDR92	0.357662	2.047404	0.04215	0.384811
	-0.15234	-2.04554	0.042335	0.385264
	0.227254	2.045588	0.042331	0.385264
	-0.16031	-2.04323	0.042566	0.385915
	-0.2415	-2.04586	0.042303	0.385189
	0.195213	2.044905	0.042399	0.385451
GABBR1;PPP1R18;TRIM31;DDR1;NRM;TRIM26;DHX16;GNL1	0.264732	2.045369	0.042352	0.385272
	0.179259	2.042092	0.04268	0.386264
FMO5;CHD1L	-0.20795	-2.03812	0.04308	0.387462
MAP7;IL20RA	-0.27545	-2.03619	0.043275	0.387918
SHH;RBM33;RNF32	-0.26138	-2.03771	0.043122	0.38755
	-0.20015	-2.04524	0.042365	0.385312
	0.263401	2.044122	0.042477	0.385665
	0.186385	2.044235	0.042466	0.385645
ATP5SL	-0.16711	-2.03635	0.04326	0.387904
	0.198962	2.046001	0.04229	0.385183
	0.241191	2.045315	0.042358	0.385283
	0.240846	2.04072	0.042818	0.386655
	0.210648	2.047184	0.042172	0.384827
	0.107937	2.047447	0.042146	0.38481
	-0.16028	-2.04219	0.042671	0.386249
	0.174053	2.039372	0.042954	0.387089
	-0.25215	-2.04724	0.042167	0.384824
	0.164997	2.040576	0.042833	0.386698
MINOS1	0.296291	2.040648	0.042825	0.386698
	-0.14334	-2.03942	0.042949	0.387089
	0.195422	2.047718	0.042119	0.384697
RNU6-82P	0.204843	2.047839	0.042107	0.384647
	-0.29563	-2.04711	0.04218	0.384832
	0.219453	2.042088	0.042681	0.386264
	-0.18683	-2.04573	0.042317	0.385245
	-0.20165	-2.04525	0.042365	0.385312
RNU1-4;RNU1-2;PADI1;FBLIM1;SPEN	-0.19134	-2.04715	0.042175	0.384827
	0.15432	2.048489	0.042042	0.38448
	0.241844	2.045353	0.042354	0.385272
	0.120949	2.046544	0.042236	0.384991

CD34;PFKFB2	0.292411	2.043696	0.04252	0.385796
	0.14311	2.04412	0.042477	0.385665
USP6NL;SEC61A2	0.254129	2.040328	0.042858	0.386744
	-0.23054	-2.04406	0.042483	0.385693
	-0.2377	-2.04211	0.042679	0.386264
	0.271115	2.047151	0.042175	0.384827
	-0.18526	-2.04483	0.042406	0.385459
	0.180607	2.043636	0.042525	0.385815
	-0.16541	-2.04359	0.04253	0.385815
	-0.20862	-2.03947	0.042944	0.387089
	0.196501	2.045134	0.042376	0.385383
	0.232451	2.045372	0.042352	0.385272
HCP5;HLA-B;HLA-DRA;HLA-C;PPP1R10;VARS2	0.308248	2.046776	0.042212	0.384903
	-0.20361	-2.04455	0.042434	0.385576
	0.13231	2.042598	0.042629	0.386122
	-0.23432	-2.04753	0.042138	0.384782
	0.178279	2.043077	0.042581	0.385947
	0.173459	2.043563	0.042533	0.385821
CALHM2;C10orf32	-0.36241	-2.04706	0.042184	0.384838
	0.186149	2.046293	0.042261	0.38507
	0.338929	2.045885	0.042301	0.385186
	0.194099	2.049087	0.041983	0.384216
	0.253231	2.041945	0.042695	0.386312
	0.130393	2.038963	0.042995	0.387239
	0.25199	2.041679	0.042722	0.386372
	0.10408	2.041062	0.042784	0.38655
CD27	-0.21732	-2.04647	0.042243	0.385
GIMAP8;GIMAP6;GIMAP5;RARRES2;GIMAP7;REPIN1;NOS3	0.323079	2.046917	0.042198	0.384874
	-0.1428	-2.0401	0.04288	0.386786
	-0.18053	-2.04113	0.042777	0.386536
KCNAB2	0.361574	2.041885	0.042701	0.386312
	0.229289	2.04452	0.042437	0.385581
	0.188624	2.042318	0.042658	0.386185
	0.105676	2.047365	0.042154	0.384824
	-0.18901	-2.04109	0.042781	0.386545
	0.199019	2.041622	0.042727	0.386374
PCSK1	0.223602	2.045373	0.042352	0.385272
ENSG00000224083	0.217972	2.043629	0.042526	0.385815
	0.126119	2.040342	0.042856	0.386744
	0.252335	2.034951	0.043402	0.388374
	-0.15079	-2.04585	0.042304	0.385191
	-0.19469	-2.03813	0.043079	0.387462
	-0.18519	-2.04115	0.042775	0.386536
RN7SKP237	-0.18297	-2.04586	0.042303	0.385189
	-0.26753	-2.04651	0.042239	0.385
RRM2	-0.21402	-2.04877	0.042014	0.384338

	0.225717	2.04589	0.042301	0.385186
	-0.22361	-2.0455	0.04234	0.385272
	0.179389	2.043369	0.042552	0.385881
	0.163567	2.041089	0.042781	0.386545
	-0.11639	-2.03713	0.04318	0.387681
	-0.19647	-2.04507	0.042382	0.3854
PRH2	-0.42115	-2.03355	0.043544	0.38881
ENSG00000255565	-0.27936	-2.04469	0.04242	0.385515
ALS2CR12;ICA1L;NBEAL1;ENSG00000238770	0.240938	2.037795	0.043113	0.387528
SPSB1	-0.2706	-2.04864	0.042028	0.384384
	0.329164	2.0431	0.042579	0.385942
	-0.18017	-2.04344	0.042545	0.385859
	0.226716	2.046002	0.042289	0.385183
SLC31A1;ZNF618	-0.22627	-2.04695	0.042195	0.384865
	0.170573	2.045948	0.042295	0.385186
	-0.25085	-2.0415	0.04274	0.3864
	0.222918	2.04333	0.042556	0.385881
	-0.30561	-2.04181	0.042708	0.386315
	0.200833	2.041671	0.042722	0.386372
ENSG00000249921	0.301632	2.040981	0.042792	0.386566
	0.155002	2.043734	0.042516	0.385794
HSD17B8;UQCC2;TAP2;TAPBP	0.236528	2.044833	0.042406	0.385459
NDRG1;WISP1;LRRC6;TG	-0.23211	-2.0404	0.04285	0.386739
TNXB;SLC44A4;NOTCH4;DDAH2;VWA7;PSMB8;C6orf10	0.245058	2.045045	0.042385	0.385406
ENSG00000261550	-0.38067	-2.03536	0.04336	0.38816
	0.223503	2.042795	0.04261	0.386049
	-0.24338	-2.04156	0.042734	0.386385
WDR45B;RAB40B;PCYT2;C17orf62;SLC25A10	-0.24537	-2.04573	0.042316	0.385245
	0.164887	2.044011	0.042488	0.385714
FAM86C2P;ALDH3B1;UNC93B1;PITPNM1;ALG1L8P;CCS;ENSG0 0000255306;ENSG00000251637;ENSG00000254610;CTSF;AIP; C11orf24	-0.1011	-2.04129	0.042761	0.386489
	0.272347	2.04223	0.042666	0.386216
	-0.17548	-2.04303	0.042586	0.385972
LPCAT1;SLC9A3;ENSG00000188242	-0.35809	-2.03584	0.043311	0.388034
NADK	0.178005	2.038595	0.043032	0.387355
	-0.18617	-2.04372	0.042517	0.385794
EHBP1	0.220993	2.044366	0.042453	0.385631
PTGIS;PARD6B;SNAI1;CEBPB	-0.30605	-2.04346	0.042543	0.385858
DCTN1	-0.24177	-2.03731	0.043162	0.387666
	0.178879	2.042591	0.04263	0.386122
	-0.34388	-2.04213	0.042676	0.386264
NCKAP1L	-0.25882	-2.04666	0.042224	0.384931
	-0.13259	-2.04481	0.042408	0.38547
	-0.21201	-2.0469	0.0422	0.384876
ECE2	0.314126	2.042762	0.042613	0.386049
	-0.13825	-2.03722	0.043172	0.387679

	-0.26462	-2.04545	0.042344	0.385272
	0.192053	2.036979	0.043196	0.387694
ENSG00000216809	0.134211	2.041906	0.042699	0.386312
	0.238548	2.042986	0.042591	0.385998
	0.196919	2.045015	0.042388	0.385417
	-0.17454	-2.04245	0.042645	0.386156
	0.185744	2.04124	0.042766	0.386502
	0.255933	2.042775	0.042612	0.386049
	0.249848	2.039451	0.042946	0.387089
MUS81;LTBP3;TM7SF2;CCS;EFEMP2;NRXN2	-0.20708	-2.03763	0.04313	0.38755
	-0.22619	-2.04354	0.042535	0.385821
	0.180958	2.041461	0.042744	0.386416
LSG1	-0.29644	-2.04485	0.042404	0.385459
ENSG00000167765	-0.30708	-2.03727	0.043167	0.387668
	0.219876	2.041242	0.042766	0.386502
ENSG00000262003;ENSG00000262133;SCARF1;YWHAE;PITPNA;ENSG00000263017	0.199199	2.044543	0.042435	0.385576
	-0.23036	-2.04379	0.04251	0.385794
	0.233853	2.045281	0.042361	0.385294
	-0.32062	-2.04374	0.042515	0.385794
	0.27098	2.046316	0.042258	0.38507
ENSG00000225417	-0.32382	-2.04816	0.042075	0.384518
RNF213	0.217382	2.045609	0.042329	0.385256
	-0.45107	-2.04422	0.042467	0.385645
	0.27822	2.043565	0.042533	0.385821
	0.185503	2.037024	0.043191	0.387694
	0.184117	2.043452	0.042544	0.385859
	-0.13936	-2.03981	0.042909	0.38691
HOXA3	-0.30283	-2.03983	0.042907	0.386905
	-0.12837	-2.04236	0.042653	0.386156
	-0.15425	-2.03786	0.043106	0.387524
	-0.1722	-2.04007	0.042884	0.386786
	-0.15285	-2.0402	0.04287	0.386786
	-0.18216	-2.04591	0.042298	0.385186
	-0.39621	-2.04041	0.042849	0.386739
ACTR1A	-0.20263	-2.03828	0.043064	0.387425
	-0.18471	-2.0408	0.04281	0.386612
	0.260389	2.045992	0.04229	0.385183
TACC1;FGFR1;GPR124	-0.18177	-2.04183	0.042707	0.386312
	0.28537	2.044118	0.042477	0.385665
	-0.19374	-2.04066	0.042824	0.386698
	0.12714	2.041588	0.042731	0.386374
NPM3;ACTR1A;RNU2-59P	-0.14089	-2.03563	0.043333	0.388083
	0.198219	2.0415	0.04274	0.3864
	0.199394	2.044742	0.042415	0.385501
NXPH3	-0.19914	-2.03688	0.043205	0.387738
WFDC1;CRISPLD2;KIAA0513;ENSG00000260228	0.22655	2.039866	0.042904	0.386885

	0.268819	2.044325	0.042457	0.385631
	0.140533	2.042749	0.042614	0.386049
C1QBP	0.125563	2.042409	0.042648	0.386156
	0.220134	2.042362	0.042653	0.386156
MEI1;TOB2	0.280701	2.045927	0.042297	0.385186
SLC5A7;GCC2;SULT1C4;CCDC138	0.273848	2.038731	0.043019	0.38729
	-0.38249	-2.04089	0.042801	0.386578
CLDN7;ATP1B2;SLC2A4;NLGN2;MIR497HG;WSCD1;BCL6B;MPD U1;CHD3;TNFSF12;DVL2;ZBTB4	0.193493	2.042438	0.042646	0.386156
	-0.24167	-2.04226	0.042663	0.386194
HYDIN;ENSG00000262890;ENSG00000259833;IL34;ENSG0000 0260156;WWP2;ENSG00000259798;CLEC18A;EXOSC6	-0.27032	-2.04497	0.042392	0.385428
	-0.27428	-2.04433	0.042456	0.385631
	-0.24137	-2.0431	0.042579	0.385942
	0.242507	2.045102	0.042379	0.385387
	-0.26955	-2.04333	0.042556	0.385881
	-0.16987	-2.04053	0.042837	0.386698
	-0.16733	-2.04289	0.0426	0.386031
	0.19241	2.041143	0.042776	0.386536
	-0.23311	-2.03813	0.04308	0.387462
	-0.1881	-2.03912	0.042979	0.387218
	0.255554	2.042173	0.042672	0.386252
	-0.164	-2.03891	0.043	0.387239
	0.177391	2.036001	0.043295	0.387979
	-0.18229	-2.03176	0.043727	0.389388
	0.232638	2.03842	0.04305	0.387402
	0.13177	2.043975	0.042492	0.385721
	-0.27127	-2.04455	0.042434	0.385576
	0.176917	2.037125	0.043181	0.387681
	0.189243	2.038462	0.043046	0.387402
COL4A2;COL4A1	0.338648	2.043747	0.042514	0.385794
ICAM1;AP1M2	0.3589	2.040348	0.042855	0.386744
	0.204245	2.041496	0.04274	0.3864
	-0.1584	-2.04215	0.042674	0.386264
FAM41C;TUBB8P11	0.292309	2.041503	0.042739	0.3864
	-0.15955	-2.04492	0.042398	0.385449
	0.125713	2.043592	0.04253	0.385815
	-0.17076	-2.0429	0.042599	0.386031
CPE	0.234817	2.034096	0.043489	0.388656
	0.19985	2.036278	0.043267	0.387904
	-0.32604	-2.04206	0.042683	0.386268
	0.205396	2.043106	0.042579	0.385942
	0.232679	2.046095	0.04228	0.385143
	-0.19889	-2.03679	0.043215	0.38777
	0.211545	2.041061	0.042784	0.38655
TRAC	-0.28401	-2.0444	0.042449	0.385624

	-0.27962	-2.04298	0.042592	0.385998
	0.102586	2.030608	0.043846	0.389745
SEC61G	0.182238	2.039363	0.042955	0.387089
TMEM255B;F10	-0.18265	-2.04243	0.042646	0.386156
	-0.29805	-2.04097	0.042792	0.386566
	-0.17826	-2.03018	0.04389	0.38993
	-0.20382	-2.04476	0.042414	0.385496
	0.203569	2.042047	0.042685	0.386268
	-0.19186	-2.04442	0.042448	0.385616
	0.220354	2.042757	0.042613	0.386049
	-0.17454	-2.04496	0.042393	0.385428
	-0.2629	-2.04161	0.042729	0.386374
	0.155333	2.043592	0.04253	0.385815
	0.249847	2.045446	0.042345	0.385272
	0.181926	2.033284	0.043572	0.388852
GABBR1;TRIM31;PPP1R18	0.298299	2.044758	0.042413	0.385496
	-0.22256	-2.03812	0.04308	0.387462
	0.233999	2.041545	0.042735	0.386388
	-0.17714	-2.03975	0.042916	0.386932
	-0.19658	-2.04473	0.042417	0.385504
LPL;SH2D4A;CSGALNACT1	0.239026	2.038909	0.043001	0.387239
DSCR3	-0.34333	-2.04061	0.042829	0.386698
	0.218842	2.042567	0.042633	0.386123
	0.252309	2.042493	0.04264	0.386156
	0.183195	2.029064	0.044004	0.390223
	0.256509	2.045435	0.042346	0.385272
	0.185008	2.042876	0.042602	0.386031
	0.158304	2.037777	0.043115	0.387536
	0.163876	2.040913	0.042799	0.386578
	-0.18756	-2.04247	0.042642	0.386156
	-0.10595	-2.03925	0.042966	0.387148
	-0.23317	-2.03951	0.04294	0.387074
	0.178062	2.046115	0.042278	0.385143
	0.29788	2.044258	0.042463	0.385637
	0.127477	2.038623	0.043029	0.387355
ISLR;SCAMP2;STRA6	0.209711	2.036787	0.043215	0.38777
	0.152593	2.041697	0.04272	0.386365
	-0.25279	-2.03566	0.043329	0.388076
PDGFRB;SYNPO;CSNK1A1;HMGXB3;ANXA6;ARSI;MYOZ3;NDST1	-0.2272	-2.02852	0.044061	0.390425
	-0.14819	-2.03716	0.043178	0.387681
OAT	0.26584	2.04178	0.042712	0.386322
	-0.23079	-2.03781	0.043112	0.387524
	0.240443	2.044013	0.042488	0.385714
SLAMF8	-0.14524	-2.03683	0.043211	0.38777
ROBO4	0.244724	2.041901	0.042699	0.386312
	-0.23082	-2.0442	0.042469	0.385645

	0.212512	2.0427	0.042619	0.386084
	-0.17746	-2.04183	0.042707	0.386312
NPR1;JTB;ATP8B2;S100A6;C1orf43;GATAD2B;ILF2	-0.27519	-2.03829	0.043063	0.387425
	0.278963	2.038892	0.043002	0.387239
HN1;TTYH2	0.296644	2.043541	0.042535	0.385821
MARVELD1;HPSE2;SFRP5;ZFYVE27	0.235352	2.036812	0.043213	0.38777
WDR45B;TBCD;PCYT2	-0.35035	-2.04044	0.042846	0.386732
	-0.21451	-2.03926	0.042965	0.387148
GNA14	-0.15707	-2.04261	0.042629	0.386122
	0.14201	2.037392	0.043154	0.387617
HK2	0.190374	2.03432	0.043466	0.388591
LIG4	0.280817	2.043505	0.042539	0.385836
COL6A3;ACKR3;HES6;RAB17;RBM44;MLPH	0.181051	2.037379	0.043155	0.387617
PPP4R1L	-0.20515	-2.04143	0.042746	0.386419
	-0.25866	-2.04472	0.042417	0.385504
	-0.18498	-2.04209	0.04268	0.386264
BDH1	0.347522	2.041428	0.042747	0.386419
PIK3C2B	0.245044	2.043126	0.042577	0.385942
	-0.2506	-2.03889	0.043002	0.387239
FARP1	-0.26913	-2.03846	0.043046	0.387402
	-0.20493	-2.03377	0.043522	0.388735
	-0.1794	-2.04317	0.042572	0.385916
	-0.24577	-2.03467	0.04343	0.388507
MAP3K5	-0.26457	-2.03346	0.043554	0.388832
	-0.23813	-2.03448	0.04345	0.388584
WDR45B;BAIAP2;PCYT2;NOTUM;MAFG-AS1;SLC25A10;C17orf62	-0.34919	-2.04033	0.042857	0.386744
	-0.2485	-2.03863	0.043028	0.387355
BIK;MCAT;ARFGAP3;SCUBE1	0.172773	2.039291	0.042962	0.387138
MATN3	-0.1556	-2.03748	0.043145	0.387559
	-0.36162	-2.04036	0.042854	0.386744
	0.277583	2.041004	0.042789	0.386566
	0.173224	2.040035	0.042887	0.386802
	-0.1503	-2.0413	0.042759	0.386489
	0.275868	2.042049	0.042684	0.386268
	0.278454	2.03434	0.043464	0.388591
	0.184316	2.040239	0.042866	0.386786
	0.143354	2.043617	0.042527	0.385815
	-0.38485	-2.0432	0.042569	0.385915
	0.236344	2.04013	0.042877	0.386786
	-0.25921	-2.0404	0.04285	0.386739
	-0.21253	-2.03768	0.043125	0.38755
GPR146;ENSG00000240859;PSMG3	-0.23448	-2.04323	0.042567	0.385915
	0.174225	2.035654	0.04333	0.388076
	0.203553	2.039026	0.042989	0.387232
	0.190243	2.037849	0.043108	0.387524
	-0.27975	-2.03987	0.042904	0.386885

	0.119763	2.041609	0.042729	0.386374
PRDM6	0.26194	2.040941	0.042796	0.386577
	-0.23783	-2.03952	0.042939	0.387074
ZNF649	-0.16942	-2.04328	0.042561	0.385898
SNRPF	0.171232	2.03818	0.043074	0.387455
C1orf56;RPRD2;GABPB2	-0.17967	-2.04199	0.04269	0.386295
NRXN2;SIPA1;PPP2R5B	0.30335	2.043916	0.042498	0.385754
GTF2E2;GSR	-0.37789	-2.03873	0.043019	0.38729
NAP1L4	0.204992	2.03665	0.043229	0.387805
	0.270829	2.040624	0.042828	0.386698
FGGY;OMA1	-0.3404	-2.03315	0.043586	0.388887
	-0.29964	-2.03532	0.043365	0.388172
GGT5	-0.21498	-2.04624	0.042266	0.385081
ST3GAL2;IL34;MARVELD3;ENSG00000260156;MTSS1L;ZNF19	0.234619	2.043732	0.042516	0.385794
	0.220286	2.03906	0.042985	0.387232
	0.213474	2.04266	0.042623	0.386112
	-0.11653	-2.03508	0.043389	0.388322
	-0.23349	-2.04191	0.042699	0.386312
	0.198348	2.044262	0.042463	0.385637
GJC1;GPATCH8;EFTUD2;ENSG00000267505;FZD2;HIGD1B;KAN				
SL1;ENSG00000267405;MAP3K14	-0.28555	-2.04283	0.042606	0.386049
C11orf1;DLAT;MIR34C;PTS	-0.30081	-2.0429	0.042599	0.386031
	0.320523	2.044378	0.042451	0.385631
	0.182438	2.040029	0.042888	0.386802
TBX2;TBX4;ENSG00000267137;ENSG00000267280	0.223497	2.031215	0.043783	0.3896
	-0.21596	-2.03755	0.043138	0.387559
CSMD1	-0.2701	-2.03807	0.043085	0.387485
	-0.1652	-2.039	0.042992	0.387236
AGTRAP;FBXO6;APITD1;UBE4B;FBXO44	-0.29233	-2.04187	0.042703	0.386312
MRPL34	0.196544	2.03999	0.042891	0.386821
	-0.21098	-2.03671	0.043223	0.387801
	-0.33521	-2.04064	0.042826	0.386698
	0.165739	2.034491	0.043449	0.388582
	0.152644	2.042866	0.042603	0.386031
	0.157204	2.036241	0.043271	0.387904
	0.252536	2.043769	0.042512	0.385794
	-0.16209	-2.0356	0.043336	0.388083
	-0.20955	-2.04135	0.042755	0.386471
	-0.21949	-2.03797	0.043096	0.387509
	-0.23074	-2.0379	0.043102	0.387524
	0.13833	2.038611	0.043031	0.387355
	0.217946	2.041702	0.042719	0.386365
	-0.13205	-2.03783	0.04311	0.387524
	-0.13853	-2.04124	0.042765	0.386502
HNRNPA1;CSAD	0.18896	2.037815	0.043111	0.387524
	0.191947	2.039244	0.042967	0.387148

	-0.17698	-2.04117	0.042773	0.386536
	0.123943	2.040124	0.042878	0.386786
	-0.16017	-2.03904	0.042987	0.387232
MACC1;ITGB8;MACC1-AS1	0.262879	2.04061	0.042829	0.386698
RUNX3;ENSG00000229162;PAQR7	0.33439	2.040148	0.042876	0.386786
	-0.18413	-2.03659	0.043236	0.387811
ENSG00000260337	0.265699	2.040554	0.042835	0.386698
	0.312978	2.03857	0.043035	0.38736
	-0.12595	-2.04008	0.042883	0.386786
SNTB2;TANGO6;SMPD3;CDH1;NQO1	0.239396	2.043239	0.042565	0.385915
IRX2	0.333391	2.043298	0.042559	0.385898
	0.186206	2.040565	0.042834	0.386698
	-0.23293	-2.0399	0.0429	0.386874
	-0.37892	-2.03091	0.043815	0.389662
	-0.21701	-2.04017	0.042873	0.386786
	0.112014	2.038427	0.043049	0.387402
	-0.1842	-2.04114	0.042776	0.386536
RING1;TAP2	-0.16487	-2.03795	0.043097	0.387517
	0.250775	2.036004	0.043295	0.387979
	0.176699	2.03675	0.043219	0.387786
PADI1;RCC2	0.261176	2.038574	0.043034	0.38736
	0.119376	2.03641	0.043254	0.387876
PIGN	-0.21727	-2.03672	0.043222	0.387797
	0.169753	2.038249	0.043067	0.387425
	-0.21723	-2.04055	0.042835	0.386698
	0.168826	2.042035	0.042686	0.386271
NCKAP1L;KRT4;ITGB7	0.182863	2.039414	0.04295	0.387089
	0.238097	2.036198	0.043275	0.387918
GAB1	0.304314	2.033083	0.043592	0.388912
	-0.2914	-2.03853	0.043039	0.387368
	-0.20188	-2.03768	0.043125	0.38755
	0.21463	2.042592	0.04263	0.386122
	-0.15576	-2.03781	0.043112	0.387524
	0.187073	2.036033	0.043292	0.387975
RIPK4;SLC37A1;PDE9A;TMPRSS2;MX1;FAM3B;MX2	-0.20022	-2.03457	0.04344	0.38854
	-0.29587	-2.03892	0.042999	0.387239
JRKL	-0.37428	-2.03791	0.043102	0.387524
	0.186447	2.030611	0.043845	0.389745
ENSG00000225670;PEA15;ATP1A2;CADM3	0.202024	2.040243	0.042866	0.386786
	0.234656	2.038208	0.043071	0.387453
	-0.1955	-2.03721	0.043173	0.387681
ULK4;ZBTB47;TRAK1	-0.32164	-2.03564	0.043331	0.388076
HLA-F;SCAND3;TRIM27;HCG14;TRIM39;HLA-E;HLA-A	0.232693	2.036413	0.043253	0.387876
	0.246003	2.03555	0.043341	0.388083
	0.282965	2.038048	0.043088	0.387493
	-0.26086	-2.0425	0.04264	0.386156
	-0.1654	-2.04298	0.042591	0.385998

	0.154611	2.037647	0.043128	0.38755
	-0.25438	-2.0424	0.042649	0.386156
	0.208557	2.038621	0.04303	0.387355
	-0.2355	-2.03836	0.043056	0.387416
BCL10;MCOLN3	-0.22962	-2.03937	0.042954	0.387089
	0.163131	2.040612	0.042829	0.386698
	0.293053	2.041164	0.042773	0.386536
	-0.39575	-2.04304	0.042585	0.38597
	0.144515	2.040097	0.042881	0.386786
	0.220427	2.040991	0.042791	0.386566
ZNF793;ZNF781;ZNF529;ZNF571-AS1	-0.18466	-2.04083	0.042807	0.386612
PRKCH	-0.25351	-2.03587	0.043308	0.388032
FUOM;LRRC27;TTC40	-0.18088	-2.0344	0.043458	0.388591
TACR2	-0.21607	-2.03882	0.04301	0.38729
	-0.16315	-2.03698	0.043196	0.387694
TMEM132C	0.228048	2.038963	0.042995	0.387239
CCDC13;SEC22C;ZBTB47;POMGNT2;HHATL	-0.20642	-2.03159	0.043745	0.389448
	0.261602	2.039428	0.042948	0.387089
HSPA8	-0.24851	-2.0382	0.043072	0.387453
	0.256325	2.038774	0.043014	0.38729
SMPD2;CD164;PPIL6;SNX3;AK9	-0.30741	-2.03682	0.043212	0.38777
MFNG;IL2RB;C22orf23	-0.25619	-2.04239	0.04265	0.386156
	0.206578	2.038434	0.043048	0.387402
SMIM22;CDIP1;GLIS2;C16orf71	-0.17186	-2.041	0.04279	0.386566
	0.148415	2.037985	0.043094	0.387503
	0.323453	2.041625	0.042727	0.386374
	0.260547	2.039532	0.042938	0.387074
	0.197574	2.040971	0.042793	0.386566
	0.185323	2.038405	0.043051	0.387402
ACAP1	-0.27636	-2.04246	0.042643	0.386156
	-0.19341	-2.03994	0.042897	0.386859
	-0.17616	-2.03489	0.043408	0.388386
	0.124022	2.040173	0.042873	0.386786
MYH10;ARHGEF15;NLGN2;ATP1B2;TNFSF12;MPDU1;VAMP2;PER1;CYB5D1;CTC1	-0.30125	-2.04147	0.042743	0.386416
	0.210798	2.039908	0.0429	0.386874
GRASP;ACVRL1;TENC1;KRT18;POU6F1;KRT80;ACVR1B;SMAGP;KRT8	-0.27448	-2.03698	0.043196	0.387694
SERINC2	-0.88806	-2.04342	0.042547	0.385864
	0.195201	2.032291	0.043673	0.389166
	0.112095	2.03799	0.043093	0.387503
	-0.21609	-2.03934	0.042957	0.387101
	-0.17749	-2.03885	0.043006	0.387267
UBA2	0.144381	2.043531	0.042536	0.385821
CD6;CD5	-0.25265	-2.04089	0.042801	0.386578
TEX41	-0.17691	-2.03974	0.042916	0.386932
	0.498662	2.037276	0.043166	0.387668

	0.190901	2.036085	0.043286	0.38796
	0.309071	2.040787	0.042811	0.386612
DIRC3;IGFBP2;ENSG00000224414;RPL7L1P9	-0.31827	-2.03763	0.04313	0.38755
	0.138544	2.04198	0.042691	0.386296
	-0.30204	-2.04045	0.042845	0.386728
	0.212519	2.03977	0.042914	0.386929
	-0.14094	-2.03912	0.042979	0.387218
ABHD17C;ZFAND6	-0.29788	-2.0418	0.04271	0.386321
	0.156908	2.034622	0.043435	0.388519
	0.273392	2.034516	0.043446	0.388567
	-0.19386	-2.04229	0.04266	0.386191
	0.127722	2.03722	0.043171	0.387679
	0.246777	2.037984	0.043094	0.387503
	-0.259	-2.03927	0.042964	0.387147
	0.166473	2.030833	0.043823	0.389668
PSD4;IL1B	-0.31083	-2.03112	0.043793	0.389632
	0.246211	2.036486	0.043246	0.387863
	-0.1912	-2.03749	0.043144	0.387559
	-0.15494	-2.04018	0.042872	0.386786
	-0.28105	-2.03624	0.043271	0.387904
SLC2A12	-0.23609	-2.0375	0.043143	0.387559
ACACB;WSCD2;ENSG00000256139;KCTD10;TMEM119	-0.17673	-2.03407	0.043491	0.388656
C1orf95;ENSG00000234478;H3F3A;ITPKB	-0.32274	-2.0327	0.043631	0.389045
FAM211A-AS1	0.207023	2.034876	0.043409	0.388386
GALNT10;GRIA1	-0.26505	-2.03729	0.043165	0.387668
	0.198097	2.038015	0.043091	0.387503
	-0.37299	-2.03937	0.042954	0.387089
VAPA	-0.25617	-2.0333	0.04357	0.388852
	-0.22946	-2.03907	0.042984	0.387232
LHFP	0.278853	2.036655	0.043229	0.387805
	-0.26426	-2.03903	0.042988	0.387232
TNFSF14;ENSG00000263264	0.272503	2.038062	0.043086	0.387489
	-0.13942	-2.03575	0.043321	0.388058
	-0.19284	-2.04054	0.042836	0.386698
	-0.14351	-2.02404	0.044525	0.391828
	-0.22851	-2.03752	0.043141	0.387559
C22orf34;MAPK12	-0.26363	-2.03606	0.043289	0.38797
	-0.46698	-2.03917	0.042975	0.38721
TSEN54;FBF1;SLC16A5	0.247627	2.040287	0.042862	0.386771
	0.178764	2.041607	0.042729	0.386374
	0.228078	2.033076	0.043593	0.388912
	0.263152	2.037062	0.043187	0.387682
	-0.19731	-2.03363	0.043536	0.388795
MED18;TMEM200B;ATPIF1	0.206116	2.037618	0.043131	0.38755
	0.198267	2.041138	0.042776	0.386536
	-0.33321	-2.03712	0.043181	0.387681
	0.162168	2.040486	0.042842	0.386713

	-0.16334	-2.03481	0.043416	0.388424
	0.17195	2.036294	0.043265	0.387904
	0.255966	2.030731	0.043833	0.389688
PADI1;NECAP2;MST1L;ENSG00000238142	-0.20956	-2.04095	0.042794	0.386574
	-0.23536	-2.04092	0.042798	0.386578
	0.246041	2.037827	0.04311	0.387524
FBXW10;MIEF2;TRIM16L;LRRC48	-0.23821	-2.03574	0.043322	0.388058
INPP5A;LRRC27	-0.24105	-2.02278	0.044656	0.39212
CELSR2;GPSM2;C1orf194;STRIP1;KCNC4;GSTM3;GSTM5;GSTM4;ATXN7L2;LAMTOR5-AS1;SORT1;ENSG00000258634;SCARNA2;SYPL2;PSMA5;PSRC1	-0.27719	-2.03972	0.042919	0.386942
	0.17227	2.038809	0.043011	0.38729
	0.248605	2.036178	0.043277	0.387924
	0.279151	2.038252	0.043067	0.387425
	0.170903	2.042365	0.042653	0.386156
	0.199583	2.036331	0.043261	0.387904
	0.170164	2.038432	0.043049	0.387402
RPS21	-0.18388	-2.03585	0.04331	0.388034
	-0.17296	-2.03596	0.043299	0.388006
	-0.12663	-2.03551	0.043345	0.388088
IL10RA;AMICA1;CBL;CD3G;RPL5P30;PDZD3;PCSK7;CD3E;DSCAML1	0.293036	2.039378	0.042953	0.387089
	0.216228	2.035013	0.043395	0.388345
	-0.2787	-2.04007	0.042883	0.386786
RASAL3	-0.21493	-2.04001	0.04289	0.386815
	0.225926	2.038365	0.043056	0.387416
	-0.15973	-2.03894	0.042997	0.387239
GRIK5;CEACAM6;CXCL17;ENSG00000268833	0.23127	2.038257	0.043066	0.387425
	0.240532	2.029163	0.043994	0.390197
NTM	0.22722	2.034903	0.043407	0.388386
	0.299998	2.033831	0.043516	0.388716
	-0.13242	-2.03758	0.043135	0.387551
EPHX2	-0.22839	-2.03757	0.043136	0.387551
ENSG00000233478	0.272232	2.029662	0.043943	0.390074
	-0.12683	-2.03329	0.043571	0.388852
	0.121556	2.032908	0.04361	0.388947
	-0.21952	-2.04207	0.042683	0.386268
NUP37	-0.26725	-2.03788	0.043105	0.387524
ADARB1;ENSG00000268805	-0.17865	-2.03575	0.043321	0.388058
	-0.22907	-2.03911	0.042981	0.387225
ABCA12;MREG	-0.43724	-2.03576	0.043319	0.388058
	0.200506	2.041756	0.042714	0.386336
	-0.13318	-2.03003	0.043905	0.389965
	-0.35842	-2.03728	0.043166	0.387668
ACAP2-IT1	0.153322	2.037089	0.043185	0.387682
FAM83H;MIR4664;FAM83H-AS1;ENSG00000254973	-0.35847	-2.03879	0.043012	0.38729

DUSP14;SRCIN1;HNF1B;PLXDC1;ACACA	0.312531	2.036036	0.043291	0.387975
	-0.31914	-2.03784	0.043109	0.387524
	0.185441	2.031055	0.0438	0.389662
	-0.13889	-2.03249	0.043653	0.389077
	0.17503	2.033155	0.043585	0.388887
	0.255507	2.037929	0.0431	0.387524
MAN2B1	0.116798	2.032771	0.043624	0.388996
	0.314727	2.03123	0.043782	0.3896
	0.198468	2.038169	0.043075	0.387457
	0.115802	2.037994	0.043093	0.387503
	-0.18154	-2.03434	0.043464	0.388591
FNIP2;RXFP1	0.260435	2.037099	0.043184	0.387682
	-0.15711	-2.03704	0.04319	0.387694
	0.179992	2.037631	0.04313	0.38755
	0.162433	2.034747	0.043422	0.388462
	-0.13181	-2.03508	0.043389	0.388322
	0.153141	2.036128	0.043282	0.387945
	-0.35543	-2.02698	0.044219	0.390968
	0.253851	2.037155	0.043178	0.387681
	-0.15078	-2.0369	0.043204	0.387737
	-0.33571	-2.04131	0.042759	0.386489
MCTP1	0.341972	2.041427	0.042747	0.386419
ZBP1	-0.27683	-2.03443	0.043454	0.388589
	-0.18995	-2.03573	0.043323	0.38806
HLA-E;HCP5;HLA-B;PPP1R10;PPP1R18	0.237444	2.036285	0.043266	0.387904
	-0.23217	-2.03875	0.043017	0.38729
	-0.20554	-2.03954	0.042937	0.387074
EML1;WARS;DEGS2;EVL;CCDC85C;SETD3	-0.23217	-2.03866	0.043025	0.387342
	0.160229	2.039158	0.042975	0.38721
SH2D2A	-0.11144	-2.04036	0.042855	0.386744
	0.097533	2.029987	0.043909	0.389994
PTP4A3;DENND3	-0.22413	-2.02825	0.044089	0.390508
LAT2;GTF2IRD2P1	0.28658	2.040519	0.042838	0.386698
FOXJ2;CLSTN3;LRRC23;LEPREL2;RBP5;C1R;C1RL-AS1;GPR162	-0.25494	-2.02707	0.04421	0.390959
	0.332122	2.042586	0.042631	0.386122
BCL11B;EVL	0.4696	2.040512	0.042839	0.386698
	0.11385	2.036277	0.043267	0.387904
	0.302665	2.035395	0.043357	0.38816
SOX12;NSFL1C	-0.25404	-2.03403	0.043496	0.388661
	0.266076	2.041421	0.042748	0.386419
	-0.26188	-2.03762	0.043131	0.38755
	-0.18993	-2.03982	0.042909	0.38691
	-0.22639	-2.0333	0.04357	0.388852
	-0.26666	-2.02966	0.043943	0.390074
	0.230714	2.035341	0.043362	0.38816
	0.115881	2.039008	0.042991	0.387236

	-0.29216	-2.02172	0.044766	0.392408
ISLR;SCAMP2;CSPG4;COX5A;CSK;SNX33;CYP1A1	-0.28466	-2.03378	0.043521	0.388735
SKI;CEP104;MEGF6;RER1;MORN1;ENSG00000269896;TP73-AS1;C1orf222;LINC01134	0.212633	2.030229	0.043885	0.389908
	0.186681	2.03661	0.043233	0.387811
ULK1	-0.24082	-2.0397	0.042921	0.386958
	0.256004	2.037225	0.043171	0.387679
	0.233541	2.031782	0.043725	0.389378
	0.24858	2.035901	0.043305	0.388022
	0.21468	2.038456	0.043046	0.387402
GOLT1B;RECQL	-0.1525	-2.03466	0.043431	0.388509
ANO2;LEPREL2;IFFO1;VWF;SCNN1A;CD9;CLSTN3;RBP5;GNB3;ENSG00000257084;NTF3;ATN1;MRPL51;TPI1	-0.25525	-2.03808	0.043084	0.387485
ENTPD1;PIK3AP1	0.18694	2.038124	0.04308	0.387462
	0.306094	2.037766	0.043116	0.387537
	-0.13643	-2.03412	0.043486	0.388656
	0.269836	2.033039	0.043597	0.38893
	0.146062	2.036507	0.043244	0.387853
	-0.1836	-2.03565	0.043331	0.388076
PRKAR2A;MAP4;DALRD3;UQCRC1;FCF1P2;LAMB2;NME6;DHX30;NDUFAF3;TMA7;KIF9;P4HTM;QARS;C3orf62;PTPN23;SMARCC1	-0.26364	-2.03339	0.043561	0.388832
LRRC8D	-0.18101	-2.02975	0.043934	0.390074
	0.187267	2.032679	0.043633	0.389046
	-0.24871	-2.034	0.043499	0.388673
C11orf88;BTG4;BCO2;MIR34C;POU2AF1;ENSG00000255093;PIH1D2;ENSG00000254980;ENSG00000255428;COLCA2;DIXDC1	0.272272	2.035928	0.043302	0.388022
	-0.29698	-2.03978	0.042913	0.386929
	0.195573	2.04085	0.042805	0.386603
	0.237811	2.036235	0.043271	0.387904
	-0.26551	-2.03876	0.043015	0.38729
	-0.18303	-2.03496	0.0434	0.388374
	0.149844	2.036596	0.043235	0.387811
	0.218284	2.037157	0.043178	0.387681
	0.226326	2.032503	0.043651	0.389077
	0.232371	2.033477	0.043552	0.388831
	0.395798	2.033207	0.04358	0.388887
	-0.1642	-2.04018	0.042873	0.386786
	0.133543	2.036894	0.043204	0.387737
	-0.1748	-2.03436	0.043461	0.388591
	-0.24538	-2.03543	0.043353	0.38814
	-0.25414	-2.03553	0.043342	0.388083
	-0.16208	-2.03784	0.043108	0.387524
	-0.15793	-2.03751	0.043142	0.387559
	-0.15656	-2.03405	0.043494	0.388661
	-0.15938	-2.03319	0.043582	0.388887

	-0.25082	-2.03351	0.043548	0.388831
	0.205571	2.035832	0.043312	0.388036
RABL2A	-0.1724	-2.03164	0.04374	0.389421
	-0.16695	-2.0383	0.043062	0.387425
	-0.22293	-2.03338	0.043562	0.388832
	-0.15969	-2.03567	0.043328	0.388076
	0.229818	2.024064	0.044522	0.391828
DZANK1;C20orf26;ENSG00000225417;GCNT1P1	0.282567	2.040511	0.042839	0.386698
KIF7;CRTC3;TICRR	-0.34339	-2.03903	0.042988	0.387232
	0.227049	2.031479	0.043756	0.389496
	-0.34037	-2.03763	0.04313	0.38755
	0.236124	2.034379	0.04346	0.388591
	0.198418	2.02825	0.044088	0.390508
	-0.22858	-2.04058	0.042833	0.386698
	0.211683	2.035657	0.04333	0.388076
	0.18731	2.036413	0.043253	0.387876
	-0.24517	-2.03679	0.043215	0.38777
SCYL2;ACTR6	0.138098	2.035843	0.043311	0.388034
	0.277213	2.040924	0.042797	0.386578
	-0.22267	-2.03854	0.043037	0.38736
EGFL7;GPSM1;UAP1L1;PTGDS;DNLZ;FAM69B	-0.22015	-2.03899	0.042992	0.387236
POC1B	-0.31458	-2.03856	0.043036	0.38736
	-0.13967	-2.0361	0.043285	0.38796
	0.32669	2.041282	0.042762	0.386489
	-0.15441	-2.03244	0.043658	0.389077
	0.185648	2.03656	0.043238	0.387812
	0.281328	2.033369	0.043563	0.388832
KCNE1;ENSG00000243627;ENSG00000234380	-0.26646	-2.03017	0.043891	0.38993
	0.16375	2.037086	0.043185	0.387682
	-0.19805	-2.03658	0.043236	0.387811
	0.138906	2.03873	0.043019	0.38729
	-0.18613	-2.03751	0.043142	0.387559
C11orf21;C11orf89;LSP1;TSPAN32	0.297509	2.034399	0.043458	0.388591
	0.323822	2.0366	0.043234	0.387811
	-0.20895	-2.03203	0.043699	0.389286
ISCA2;ZC2HC1C	-0.26905	-2.03828	0.043064	0.387425
	0.290071	2.032599	0.043642	0.389071
	0.24939	2.03581	0.043314	0.388047
	0.117847	2.032812	0.04362	0.388979
	0.251252	2.034221	0.043476	0.388618
	0.21107	2.034589	0.043439	0.388533
ARHGAP26	-0.31467	-2.03027	0.043881	0.389908
BAIAP2	-0.32084	-2.03803	0.043089	0.387499
	0.241562	2.037699	0.043123	0.38755
IGHA1;IGHA2;KIAA0125;IGHJ3P;IGHM;IGHV3-15;IGHV1-2;IGHV3-7;AHNAK2;IGHG1;C14orf79;IGHG2;INF2;IGHG3	-0.2089	-2.03212	0.043691	0.389249
	-0.12605	-2.03165	0.043739	0.389421

CEP104;TP73	-0.35258	-2.03392	0.043507	0.388711
	0.155036	2.036044	0.043291	0.387975
	-0.12891	-2.02925	0.043985	0.390159
PTP4A3	-0.29874	-2.0351	0.043386	0.388318
	0.141757	2.03827	0.043065	0.387425
	-0.16803	-2.03602	0.043293	0.387979
COASY;ATP6V0A1;ACLY	-0.22194	-2.03727	0.043166	0.387668
	-0.18228	-2.03976	0.042914	0.386929
	-0.32726	-2.03578	0.043317	0.388058
LTBP2;TGFB3;GPATCH2L;PGF;IFT43;TTLL5;MLH3;AREL1	0.228167	2.029772	0.043932	0.390069
	0.125129	2.037085	0.043185	0.387682
	0.269193	2.037749	0.043118	0.387545
	-0.20509	-2.03551	0.043345	0.388088
	0.180908	2.039089	0.042982	0.387228
LPCAT1;TRIP13;ZDHHC11;ENSG00000188002	-0.26815	-2.03258	0.043644	0.389071
	0.225256	2.040184	0.042872	0.386786
LCK	-0.24191	-2.02652	0.044268	0.391142
	-0.23777	-2.03292	0.043609	0.388947
	-0.23883	-2.03673	0.043221	0.387797
BAK1	0.213266	2.03496	0.043401	0.388374
	0.166156	2.033375	0.043562	0.388832
	0.210082	2.035902	0.043305	0.388022
CD163L1	-0.16772	-2.03555	0.043341	0.388083
	0.183301	2.032472	0.043655	0.389077
CALD1	0.26838	2.037185	0.043175	0.387681
TNRC6C	-0.15202	-2.03748	0.043145	0.387559
	0.178893	2.037474	0.043146	0.387559
RPL27;BECN1;TUBG2;COA3;VPS25;AOC3;MEOX1;ACLY	0.219108	2.034516	0.043446	0.388567
RDH10;ENSG00000254288;STAU2;ENSG00000253339	0.19187	2.039452	0.042946	0.387089
CCDC181;NME7;RCSD1;ENSG00000234604	-0.38271	-2.03434	0.043464	0.388591
SPATA18;SNORA26	-0.26723	-2.02493	0.044432	0.391671
	0.207651	2.038927	0.042999	0.387239
	-0.25086	-2.03784	0.043108	0.387524
	0.212323	2.033684	0.043531	0.388765
AKAP5;SGPP1	-0.28761	-2.03683	0.043211	0.38777
	-0.1329	-2.02915	0.043996	0.390197
UBE2Q2P1;CSPG4P11	0.155902	2.031859	0.043717	0.389351
RHOH;ENSG00000231160	-0.18447	-2.03349	0.043551	0.388831
	0.171894	2.032573	0.043644	0.389071
	0.265035	2.031317	0.043773	0.389567
	0.350642	2.033374	0.043562	0.388832
	-0.1366	-2.02511	0.044413	0.391601
	0.363845	2.040065	0.042884	0.386786
	-0.17878	-2.03893	0.042999	0.387239
	0.18777	2.036964	0.043197	0.387697
	0.115902	2.035065	0.04339	0.388327
	0.183122	2.030784	0.043828	0.389668

	0.205126	2.041047	0.042785	0.386554
C1orf168	0.302829	2.037217	0.043172	0.387679
	-0.31115	-2.03915	0.042977	0.387212
	-0.15767	-2.03247	0.043655	0.389077
FAM149A	-0.39597	-2.03316	0.043584	0.388887
	-0.16278	-2.03478	0.043419	0.388437
	0.144601	2.037582	0.043135	0.387551
GABBR1;TRIM31;DDR1;TRIM26;PPP1R18;HLA-A;DHX16;GNL1;HLA-F-AS1;NRM	0.441007	2.036571	0.043237	0.387811
	0.183385	2.030852	0.043821	0.389666
	0.309941	2.038282	0.043064	0.387425
	0.182145	2.034599	0.043438	0.388532
	0.301481	2.032699	0.043631	0.389045
	0.179122	2.033163	0.043584	0.388887
RLTPR;DPEP2	-0.28038	-2.03463	0.043434	0.388519
RERE	-0.29032	-2.02549	0.044374	0.39148
LZTFL1;LARS2	-0.28291	-2.03489	0.043408	0.388386
	0.291719	2.036141	0.043281	0.387942
ZNF471;ZNF667-AS1;ZNF667	0.195656	2.03358	0.043541	0.388802
	0.106846	2.033396	0.04356	0.388832
	0.329133	2.035618	0.043334	0.388083
ENSG00000257084;SCNN1A	-0.26846	-2.0376	0.043133	0.387551
	0.232893	2.037141	0.043179	0.387681
	0.229007	2.032443	0.043658	0.389077
	0.128608	2.031856	0.043718	0.389351
COL1A1;TOB1-AS1;TOB1	-0.30145	-2.02954	0.043956	0.390114
SH2D3C	-0.31393	-2.03772	0.043121	0.38755
	0.169217	2.030792	0.043827	0.389668
	-0.24674	-2.03216	0.043687	0.389228
	0.208136	2.034421	0.043456	0.388589
ST6GALNAC1;CYGB;TRIM65;SPHK1;PRPSAP1;ST6GALNAC2	-0.22116	-2.03626	0.043269	0.387904
	0.108517	2.034876	0.043409	0.388386
	-0.35062	-2.03125	0.043779	0.3896
QRICH1;ENSG00000235016	0.151269	2.035042	0.043393	0.388334
	-0.2111	-2.03421	0.043477	0.388618
	-0.19108	-2.03491	0.043406	0.388386
	-0.14198	-2.03751	0.043142	0.387559
	0.202248	2.031581	0.043746	0.389448
PDCD6;SDHA;MRPL36;LPCAT1	-0.1856	-2.03249	0.043653	0.389077
	0.266626	2.035548	0.043341	0.388083
	-0.2253	-2.03153	0.043751	0.389488
	-0.21676	-2.03628	0.043267	0.387904
	0.233079	2.031798	0.043724	0.389371
	-0.21416	-2.03213	0.043689	0.389245
	0.306734	2.034263	0.043472	0.388618
	0.228068	2.038554	0.043036	0.38736

MLLT4;THBS2;SMOC2	0.263568	2.028997	0.044011	0.390223
	-0.24275	-2.03544	0.043352	0.38814
ENSG00000261270;GPR114;NLRC5	0.187386	2.033526	0.043547	0.388827
	-0.13517	-2.03553	0.043343	0.388083
	0.180811	2.034123	0.043486	0.388656
	0.266172	2.033199	0.04358	0.388887
RAPGEF5;CDCA7L;DNAH11	-0.38398	-2.03018	0.04389	0.38993
	0.247943	2.032174	0.043685	0.389223
	0.223067	2.033585	0.043541	0.388802
UACA	0.213204	2.03501	0.043396	0.388345
	0.287899	2.037126	0.043181	0.387681
RELB;VASP;EXOC3L2	-0.28505	-2.03522	0.043375	0.388229
	0.268463	2.031628	0.043741	0.389421
	0.198387	2.035342	0.043362	0.38816
	0.167178	2.019278	0.045022	0.393118
	-0.19843	-2.03943	0.042948	0.387089
	0.244896	2.026266	0.044293	0.391212
	0.182214	2.035601	0.043336	0.388083
CD3E;CD3G;IL10RA;NLRX1	0.33251	2.036681	0.043226	0.387805
RCN3;TEAD2;KLK11;PRRG2	-0.32398	-2.02452	0.044475	0.391807
	0.251016	2.03645	0.043249	0.387863
	0.235752	2.034462	0.043452	0.388589
MEG3;YY1	0.177426	2.030288	0.043879	0.389908
	-0.25907	-2.03388	0.04351	0.388711
	0.216474	2.027995	0.044115	0.390609
	0.197969	2.033612	0.043538	0.388798
	0.256177	2.029261	0.043984	0.390159
	0.253461	2.033189	0.043581	0.388887
PIGV;ATPIF1;THEMIS2;HMGN2;PPP1R8;NUDC;TRNP1	-0.23873	-2.03841	0.043051	0.387402
	0.250911	2.031045	0.043801	0.389662
	-0.19662	-2.03117	0.043788	0.389602
CREB3L2	0.232065	2.039412	0.04295	0.387089
	-0.21607	-2.03645	0.043249	0.387863
	0.225013	2.029731	0.043936	0.390074
	-0.1456	-2.02516	0.044408	0.391601
IRX5;CRNDE;IRX3	0.31496	2.033704	0.043529	0.388755
	0.154948	2.037605	0.043132	0.387551
PLEKHB2	-0.45525	-2.03133	0.043771	0.38956
	-0.33789	-2.03259	0.043643	0.389071
	-0.19127	-2.0366	0.043234	0.387811
	0.272384	2.032971	0.043604	0.388947
SPATA5	0.229772	2.03291	0.04361	0.388947
	0.172179	2.036354	0.043259	0.387904
CARD11;FTSJ2;PSMG3	-0.22568	-2.03832	0.04306	0.387425
SLC7A5;ENSG00000259881;ZNF469;RNF166	-0.22635	-2.03537	0.043359	0.38816
CCR4;OSBPL10;PDCD6IP;CMTM8;CMTM6;GPD1L;FBXL2	-0.27996	-2.0307	0.043837	0.389713
KIF26A;INF2;C14orf2;EIF5;EXOC3L4	-0.23929	-2.02967	0.043942	0.390074

FSTL3	-0.25925	-2.03343	0.043557	0.388832
	-0.18014	-2.03627	0.043268	0.387904
CCDC69;ZNF300;HMGXB3;CD74;MIR143HG;PPARGC1B;MIR14				
5;ENSG00000253864;PDGFRB;SYNPO;NDST1;ARSI;MIR143	-0.26694	-2.03291	0.04361	0.388947
CTTN;TPCN2;MRGPRF;ANO1;IGHMBP2	-0.36216	-2.03089	0.043817	0.389662
PARVG	0.249874	2.033855	0.043513	0.388714
	-0.27787	-2.02962	0.043948	0.390093
PNO1	0.243035	2.029978	0.04391	0.389994
	-0.25808	-2.03404	0.043495	0.388661
	-0.19728	-2.02797	0.044117	0.390617
ENSG00000246851	0.164322	2.037386	0.043155	0.387617
	0.287766	2.036655	0.043229	0.387805
	-0.22304	-2.03431	0.043467	0.388592
	-0.19491	-2.03116	0.043789	0.389602
	0.1184	2.032272	0.043675	0.389175
	0.253449	2.031379	0.043767	0.389544
TNXB	-0.18061	-2.03184	0.043719	0.389351
	-0.17263	-2.02497	0.044428	0.39166
	0.177201	2.035255	0.043371	0.388203
	0.167323	2.027211	0.044196	0.390903
	-0.1905	-2.03624	0.043271	0.387904
	0.203321	2.029603	0.043949	0.390093
	0.209214	2.035883	0.043307	0.38803
TENM3	0.311102	2.024564	0.04447	0.391787
	0.262183	2.036462	0.043248	0.387863
	-0.10679	-2.03388	0.043511	0.388711
FENDRR;FOXF1;FOXL1;KIAA0513;CRISPLD2;USP10;ENSG00000				
262601;FAM92B	-0.23908	-2.03436	0.043462	0.388591
GPR135	-0.16376	-2.02612	0.044309	0.391246
	0.225829	2.034143	0.043484	0.388656
	0.26967	2.036978	0.043196	0.387694
	0.166517	2.026838	0.044234	0.391
	-0.23293	-2.0334	0.04356	0.388832
	-0.13217	-2.03185	0.043719	0.389351
	-0.27865	-2.03762	0.04313	0.38755
	0.319389	2.029625	0.043947	0.390093
	0.226311	2.03211	0.043692	0.389249
	-0.30338	-2.02903	0.044008	0.390223
	0.135954	2.032446	0.043657	0.389077
ARHGAP26	-0.24411	-2.01897	0.045055	0.393155
	-0.16122	-2.02639	0.044281	0.391165
SYNM;ENSG00000259363;DNM1P46;IGF1R	-0.22936	-2.02694	0.044224	0.390974
	0.136333	2.029744	0.043934	0.390074
	-0.26081	-2.02074	0.044869	0.392715
	0.204245	2.030779	0.043828	0.389668
	-0.1731	-2.02912	0.043999	0.390197

HELB	0.296261	2.037062	0.043187	0.387682
	0.191397	2.030225	0.043885	0.389908
ADCY4;SLC22A17;DCAF11	-0.24118	-2.03388	0.043511	0.388711
	0.154702	2.032686	0.043633	0.389046
	-0.17548	-2.0295	0.04396	0.390114
	-0.12126	-2.03555	0.043341	0.388083
FGFR1OP;MLLT4;ENSG00000228648	-0.28316	-2.02863	0.044049	0.390383
	-0.24847	-2.03539	0.043357	0.38816
	0.267419	2.024494	0.044477	0.391818
CLIP1;ENSG00000251497;PITPNM2	-0.26827	-2.03383	0.043516	0.388716
	-0.10042	-2.02966	0.043943	0.390074
CHST6	0.145074	2.034103	0.043488	0.388656
ENSG00000260951	-0.29103	-2.03407	0.043491	0.388656
	0.142077	2.030442	0.043863	0.389838
	0.160588	2.035259	0.04337	0.388203
	0.221565	2.029704	0.043939	0.390074
	0.186962	2.029363	0.043974	0.390119
	0.145931	2.031703	0.043733	0.389421
	0.212381	2.033266	0.043574	0.388853
	0.231248	2.026244	0.044296	0.391212
	-0.25037	-2.0329	0.043611	0.388947
FAM126A;ENSG00000228649;DNAH11	0.282079	2.028947	0.044016	0.390231
	-0.22424	-2.03164	0.04374	0.389421
	-0.13478	-2.03205	0.043698	0.389286
THBS2	-0.25042	-2.02396	0.044533	0.391856
	0.155858	2.036094	0.043286	0.38796
	0.279207	2.028932	0.044018	0.390232
	-0.20486	-2.02957	0.043953	0.390114
FANK1;ADAM12;FANK1-AS1	-0.29233	-2.01868	0.045085	0.39321
	0.201971	2.037007	0.043193	0.387694
ENSG00000235669	-0.19655	-2.03151	0.043754	0.389488
	0.368849	2.034446	0.043453	0.388589
SRCIN1;C17orf96	0.203759	2.030257	0.043882	0.389908
	0.218979	2.034151	0.043483	0.388656
	0.252827	2.030812	0.043825	0.389668
	0.165378	2.031224	0.043783	0.3896
	0.222183	2.03553	0.043343	0.388083
	0.290567	2.03338	0.043562	0.388832
	-0.29545	-2.0329	0.043611	0.388947
	0.158074	2.034101	0.043488	0.388656
	0.120455	2.034533	0.043444	0.388567
	-0.17754	-2.03312	0.043588	0.388889
	-0.15208	-2.02925	0.043986	0.390159
	0.207208	2.036686	0.043226	0.387805
TVP23B;MPRIP	-0.26245	-2.03791	0.043102	0.387524
	0.250116	2.033868	0.043512	0.388711
SNORA74A	0.231348	2.03423	0.043475	0.388618

ENSG00000258634	0.184855	2.032917	0.043609	0.388947
	-0.19132	-2.03737	0.043156	0.387617
	-0.31483	-2.03023	0.043885	0.389908
ANO1	0.224458	2.034807	0.043416	0.388424
	0.199502	2.032862	0.043615	0.388961
	-0.14374	-2.02294	0.044639	0.392086
	-0.31492	-2.0359	0.043305	0.388022
	-0.14711	-2.03284	0.043617	0.388963
	0.295601	2.034327	0.043465	0.388591
SLC7A5	-0.25675	-2.03468	0.043429	0.388507
	0.167248	2.031017	0.043804	0.389662
RPS3AP26	-0.22369	-2.03374	0.043525	0.388742
	0.146186	2.02536	0.044387	0.391521
FZD10-AS1	0.342481	2.027777	0.044137	0.390701
HCP5;HLA-B;HLA-DRA;HLA-C;MICB;LTB;HSPA1A;PPP1R10;CCHCR1;PPP1R18;VARS2	0.282685	2.036285	0.043266	0.387904
	-0.11844	-2.02468	0.044457	0.391755
	0.16098	2.034126	0.043486	0.388656
	-0.26445	-2.03031	0.043877	0.389908
	0.259578	2.035753	0.04332	0.388058
	-0.28682	-2.03232	0.04367	0.389162
	0.12192	2.029922	0.043916	0.390021
TNFRSF1B	0.235544	2.033844	0.043515	0.388716
	0.286044	2.036141	0.043281	0.387942
EBF1;ADAM19;ITK;ENSG00000253519	-0.34928	-2.03338	0.043562	0.388832
PIK3CD;SPSB1	-0.25384	-2.02983	0.043926	0.390049
	0.166734	2.030997	0.043806	0.389662
	-0.13831	-2.02893	0.044018	0.390232
SYNJ2BP;RPL7AP6	0.273959	2.033276	0.043572	0.388852
	-0.15712	-2.03022	0.043885	0.389908
	-0.1802	-2.02833	0.04408	0.390478
	-0.17648	-2.03088	0.043818	0.389662
	0.162843	2.028039	0.04411	0.390602
RASGRP2;NRXN2;MAP4K2;VEGFB	-0.16756	-2.03184	0.04372	0.389351
	0.197086	2.035134	0.043383	0.388297
	-0.16206	-2.0312	0.043785	0.3896
	-0.24043	-2.02742	0.044174	0.390856
	0.224652	2.035266	0.04337	0.388203
	0.190514	2.031899	0.043713	0.389351
PINLYP	-0.31923	-2.03443	0.043455	0.388589
GMDS;IRF4	0.327064	2.033714	0.043528	0.388753
ZNF503	-0.2587	-2.03043	0.043864	0.389839
NKD2	0.132981	2.026141	0.044306	0.391241
	0.11955	2.027338	0.044182	0.390856
	0.207471	2.030976	0.043808	0.389662
MRGBP	-0.18355	-2.01765	0.045193	0.393383
	0.227409	2.030498	0.043857	0.389803

	-0.31627	-2.03379	0.04352	0.388735
MMRN2;GRID1;SNCG;LDB3;PAPSS2;MINPP1	-0.18925	-2.03009	0.043899	0.389959
	0.194263	2.032909	0.04361	0.388947
	0.265507	2.032847	0.043616	0.388963
PDE2A;FCHSD2;STARD10;LRTOMT;IL18BP	-0.34596	-2.0317	0.043734	0.389421
MAP2K1	0.244458	2.027993	0.044115	0.390609
	0.2569	2.032619	0.04364	0.389071
	0.245976	2.033778	0.043521	0.388735
	0.226738	2.031944	0.043709	0.389351
	-0.15471	-2.03204	0.043699	0.389286
RPS14;TNIP1	-0.14419	-2.03362	0.043537	0.388798
	-0.18393	-2.03445	0.043452	0.388589
	0.274407	2.030609	0.043846	0.389745
RPL26L1;STC2;ERGIC1;BNIP1	0.208117	2.031849	0.043718	0.389351
	-0.1952	-2.03534	0.043362	0.38816
	0.190008	2.023269	0.044605	0.392015
ENSG00000214654;NDUFA8;PHF19;TRAF1;RAB14;RBM18;GSN-AS1	-0.19578	-2.03261	0.04364	0.389071
	-0.29529	-2.03557	0.043339	0.388083
	-0.32494	-2.03023	0.043885	0.389908
	0.15384	2.031019	0.043804	0.389662
	0.231407	2.031502	0.043754	0.389488
	0.272137	2.03504	0.043393	0.388334
RAMP3	-0.30064	-2.02759	0.044157	0.39079
	0.204617	2.030914	0.043814	0.389662
ZNF141;RNF212	-0.17612	-2.01769	0.045189	0.393383
MAPK8IP1;TSPAN18	-0.14607	-2.0294	0.04397	0.390119
	0.176994	2.032079	0.043695	0.389269
	-0.18004	-2.03267	0.043634	0.389046
	-0.16368	-2.02671	0.044248	0.391066
	0.221741	2.034298	0.043468	0.388595
	0.198944	2.031907	0.043713	0.389351
UBASH3A	-0.26321	-2.03575	0.043321	0.388058
	-0.26293	-2.03425	0.043473	0.388618
	-0.2332	-2.02375	0.044555	0.391902
	0.209681	2.030875	0.043818	0.389662
	-0.2083	-2.03702	0.043192	0.387694
P2RX4;P2RX7	0.415499	2.032291	0.043673	0.389166
	-0.19502	-2.03138	0.043767	0.389544
	0.22885	2.032807	0.04362	0.388979
ENSG00000261040	0.196252	2.030618	0.043845	0.389745
ANKRD22	-0.19064	-2.03123	0.043782	0.3896
	0.196766	2.027624	0.044153	0.390768
	0.228481	2.032537	0.043648	0.389077
FGD5;FBLN2;ZFYVE20;GRIP2;SH3BP5;TPRXL	-0.1624	-2.02757	0.044158	0.39079
	0.152353	2.028081	0.044106	0.390601
	-0.2093	-2.03463	0.043434	0.388519

UEVLD;SAA1;TSG101;NUCB2;ZDHHC13;SAA2	-0.22411	-2.02961	0.043948	0.390093
	0.13832	2.033632	0.043536	0.388795
	-0.21002	-2.03231	0.043671	0.389162
RER1;NADK;GLTPD1	0.200714	2.029232	0.043987	0.390166
	-0.33156	-2.02829	0.044084	0.3905
IK;PCDHB1	-0.25038	-2.0336	0.043539	0.3888
MEGF6	-0.47044	-2.03534	0.043362	0.38816
	0.186265	2.030858	0.04382	0.389666
FAM227A;PRDX3P1	0.205855	2.033868	0.043512	0.388711
	0.179949	2.028977	0.044013	0.390223
	-0.13793	-2.02416	0.044512	0.391828
AAK1;ANXA4	0.300007	2.032895	0.043611	0.388947
	-0.35246	-2.02131	0.044809	0.392548
SULF1	0.268629	2.03261	0.043641	0.389071
KCNMB1;GABRP;SLIT3	-0.20577	-2.02925	0.043985	0.390159
	-0.30894	-2.02787	0.044127	0.390656
LILRB1	0.256953	2.032262	0.043676	0.389176
PLXDC1;IGFBP4;NR1D1;ERBB2;IKZF3;ENSG00000264198;LRRC37A11P	-0.18024	-2.03134	0.04377	0.389558
ERLIN1;BTRC	0.237194	2.029203	0.04399	0.390175
C16orf74;DNAAF1;CDH13;FAM92B;HSDL1	-0.30744	-2.02984	0.043924	0.390047
	-0.14194	-2.03257	0.043644	0.389071
	0.313318	2.0309	0.043816	0.389662
TENC1;GALNT6;ACVRL1;GRASP;POU6F1;KRT7;ENSG00000257337	0.349476	2.032895	0.043611	0.388947
	-0.25282	-2.0357	0.043325	0.388072
KIAA1257;IFT122;EFCAB12	0.190656	2.029138	0.043997	0.390197
	-0.16718	-2.02845	0.044068	0.390443
	-0.28052	-2.03388	0.043511	0.388711
	-0.2429	-2.02041	0.044903	0.39281
	-0.17903	-2.02948	0.043962	0.390114
	0.170483	2.030565	0.04385	0.389764
	0.255463	2.036603	0.043234	0.387811
CKAP4	-0.12053	-2.02592	0.044329	0.391298
	-0.18538	-2.03436	0.043462	0.388591
	-0.14602	-2.03372	0.043527	0.388753
	0.128912	2.033281	0.043572	0.388852
	0.159945	2.033418	0.043558	0.388832
	0.290783	2.03193	0.04371	0.389351
	0.199527	2.032552	0.043646	0.389077
	0.271248	2.032932	0.043608	0.388947
	-0.21653	-2.03012	0.043895	0.389943
	0.112614	2.02849	0.044064	0.390425
	0.121448	2.032243	0.043678	0.389179
	0.14052	2.028318	0.044081	0.390482
ENSG00000270681	-0.13584	-2.03006	0.043901	0.389964
	-0.20153	-2.03246	0.043656	0.389077

NTRK3;KIF7;MFGE8;ISG20;ABHD2;ACAN;FANCI	0.217355	2.032441	0.043658	0.389077
NPHP1	-0.2185	-2.02563	0.044359	0.391445
	-0.1339	-2.02536	0.044387	0.391521
	-0.20819	-2.02655	0.044264	0.39113
	0.206571	2.033892	0.04351	0.388711
PLBD2;ENSG00000199899;IQCD	-0.24628	-2.02131	0.044809	0.392548
	0.095462	2.030918	0.043814	0.389662
	-0.13061	-2.02724	0.044193	0.390892
PTPRE	-0.26038	-2.01721	0.045239	0.393434
HRH1;OGG1;PRRT3;JAGN1;ENSG00000206567;CAMK1	-0.30791	-2.02195	0.044742	0.392303
	0.21646	2.022882	0.044645	0.392086
	0.147876	2.027823	0.044132	0.390683
THYN1;IGSF9B	-0.26124	-2.02639	0.044281	0.391165
TGFB1;AXL;LTBP4;ADCK4;CYP2F1;B9D2	-0.16889	-2.02826	0.044087	0.390508
	0.131602	2.026502	0.044269	0.391142
SNRPF	-0.28819	-2.02479	0.044447	0.391737
	-0.12489	-2.02087	0.044855	0.392691
	0.191764	2.034021	0.043497	0.388661
	-0.13004	-2.03182	0.043721	0.389359
	0.217685	2.024746	0.044451	0.391743
	0.246381	2.019646	0.044983	0.393071
	-0.2187	-2.02989	0.043919	0.390026
	-0.21506	-2.03402	0.043496	0.388661
	-0.30477	-2.03077	0.043829	0.389668
	-0.12447	-2.02945	0.043965	0.390114
	-0.2668	-2.03233	0.043669	0.389161
NXPH3;SGCA;COL1A1;CACNA1G;SLC35B1;LRRC59;ANKRD40	0.20871	2.033478	0.043552	0.388831
	-0.19702	-2.02941	0.043969	0.390117
	0.175125	2.030258	0.043882	0.389908
	0.112929	2.022969	0.044636	0.392086
	-0.25917	-2.02834	0.044079	0.390478
	0.173307	2.027809	0.044134	0.390688
GVINP1	0.2153	2.022851	0.044648	0.392098
	0.286726	2.034212	0.043477	0.388618
ITGAL;ITGAX;ITGAM	0.309215	2.031872	0.043716	0.389351
SLAMF1;SLAMF6;CD84;AIM2;FCRL6;LY9;PYHIN1;CD48;SLAMF7;				
CD244	-0.32151	-2.02953	0.043956	0.390114
ENSG00000260586	-0.14256	-2.02418	0.044509	0.391828
	-0.12849	-2.02414	0.044514	0.391828
C17orf66	0.199453	2.027345	0.044182	0.390856
	-0.18645	-2.02629	0.044291	0.391211
CYBA	-0.21762	-2.02063	0.04488	0.392758
ITPR2	-0.26579	-2.02218	0.044718	0.392294
	-0.32833	-2.02573	0.044349	0.391383
	-0.21459	-2.03424	0.043474	0.388618
	0.191568	2.032788	0.043622	0.388988

	-0.12446	-2.02471	0.044455	0.391753
PALM;ENSG00000129951;GAMT;TCF3;GRIN3B;ADAMTSL5;PPA				
P2C;FSTL3;GPX4;PCSK4	-0.21667	-2.0241	0.044518	0.391828
	0.18998	2.030912	0.043814	0.389662
	0.195483	2.028042	0.04411	0.390602
	0.191181	2.034837	0.043413	0.388413
	-0.24439	-2.0315	0.043754	0.389488
RBM33	0.192343	2.029352	0.043975	0.39012
	-0.18466	-2.03142	0.043763	0.389542
	-0.21805	-2.02649	0.04427	0.391142
	-0.23955	-2.02825	0.044089	0.390508
	0.2605	2.027654	0.04415	0.390757
SMPD2;SESN1;CD164;ARMC2;PPIL6;AK9;LACE1;SNX3	-0.29223	-2.02789	0.044125	0.390642
	0.238114	2.027183	0.044199	0.390913
PSME4	-0.3139	-2.02936	0.043974	0.390119
	0.187874	2.0308	0.043826	0.389668
SLC15A3;MPEG1;PATL1;CD6	0.321281	2.025758	0.044346	0.391367
	0.190296	2.033307	0.043569	0.388852
	-0.18238	-2.02988	0.04392	0.390027
	0.307671	2.033151	0.043585	0.388887
TRIM13	-0.15836	-2.03003	0.043905	0.389965
KLF7;IDH1;PLEKHM3	-0.19144	-2.02528	0.044395	0.391558
	0.258543	2.022177	0.044718	0.392294
	-0.11387	-2.03489	0.043408	0.388386
	0.133853	2.026134	0.044307	0.391241
	0.212216	2.032873	0.043614	0.388959
B3GNT7;PSMD1	0.209738	2.018359	0.045119	0.393264
	-0.18887	-2.03376	0.043524	0.38874
	0.165999	2.029131	0.043998	0.390197
	0.228868	2.028391	0.044074	0.390471
DYNLT1	-0.23051	-2.03356	0.043543	0.388808
OCIAD1	-0.2749	-2.02427	0.044501	0.391828
	0.255468	2.030957	0.04381	0.389662
CBX2;CBX8	-0.20408	-2.02757	0.044159	0.39079
	-0.21667	-2.0329	0.043611	0.388947
	0.246149	2.031097	0.043795	0.389646
	0.211062	2.025716	0.04435	0.391389
	0.175951	2.033495	0.04355	0.388831
	0.220165	2.030595	0.043847	0.389748
	0.198075	2.028063	0.044108	0.390602
	0.186959	2.026489	0.04427	0.391142
	-0.14868	-2.02511	0.044413	0.391601
	0.143992	2.030529	0.043854	0.389783
	-0.36818	-2.03139	0.043765	0.389544
	-0.18595	-2.02966	0.043943	0.390074
	-0.14954	-2.02915	0.043996	0.390197
SEPHS2;ZNF267;TGFB1I1;DCTPP1	-0.21083	-2.02844	0.044069	0.390443

ABHD2;PEX11A;HAPLN3;CIB1;MFGE8;ACAN;WDR93;KIF7	0.205934	2.028642	0.044048	0.39038
	-0.17849	-2.03163	0.043741	0.389421
	-0.16084	-2.01973	0.044974	0.393046
INF2;KIF26A;PACS2;JAG2	0.320321	2.027339	0.044182	0.390856
	0.173572	2.030079	0.0439	0.389959
FZD4;ENSG00000255471	0.187373	2.025128	0.044411	0.391601
	0.342711	2.030357	0.043871	0.389883
PTPRJ	-0.20708	-2.02912	0.043998	0.390197
	0.210466	2.032904	0.043611	0.388947
	0.299267	2.029514	0.043958	0.390114
LRP11;KATNA1;PPP1R14C;PCMT1	-0.27523	-2.0277	0.044145	0.390734
GCFC2	0.195496	2.027841	0.044131	0.390675
CTSF	-0.14821	-2.02639	0.044281	0.391165
	-0.26848	-2.03102	0.043803	0.389662
	0.164989	2.031168	0.043788	0.389602
MAP4K1;PAK4;GMFG;SPINT2;ENSG00000183760	0.360246	2.033924	0.043506	0.388711
	0.238866	2.01977	0.04497	0.393046
	-0.32855	-2.03312	0.043588	0.388889
	0.275988	2.033066	0.043594	0.388913
	0.175629	2.029494	0.04396	0.390114
	0.274653	2.029897	0.043919	0.390026
PIGU	-0.23585	-2.03393	0.043506	0.388711
TTYH2;LINC00511	-0.22428	-2.02852	0.044061	0.390425
ITGAL;CORO1A;SPN	-0.29591	-2.03223	0.043679	0.389179
FLI1;ARHGAP32;TMEM45B;SENCR;TP53AIP1	0.210433	2.024721	0.044454	0.391753
	0.142199	2.029452	0.043964	0.390114
	0.17702	2.024794	0.044446	0.391737
	0.272943	2.028758	0.044036	0.390321
	0.206718	2.028561	0.044056	0.390422
TBCD;WDR45B;PYCR1	-0.33013	-2.01715	0.045245	0.393438
	-0.2024	-2.02289	0.044644	0.392086
ARID5B	0.300734	2.030272	0.04388	0.389908
	-0.13255	-2.02947	0.043963	0.390114
	-0.18071	-2.02534	0.044389	0.391531
	0.32802	2.031475	0.043757	0.389496
	-0.13284	-2.03117	0.043788	0.389602
FLI1	-0.31418	-2.02807	0.044107	0.390602
	0.210282	2.033293	0.043571	0.388852
	0.161364	2.019874	0.044959	0.393008
HLA-F	-0.23418	-2.03185	0.043718	0.389351
	0.253866	2.03014	0.043894	0.389939
	0.199963	2.02202	0.044735	0.392303
	0.173871	2.030164	0.043891	0.38993
	-0.13165	-2.02145	0.044795	0.392515
	0.162481	2.028995	0.044011	0.390223
HCP5;HLA-B;HLA-C	-0.26224	-2.03034	0.043873	0.389888

	-0.23702	-2.02938	0.043972	0.390119
	0.411271	2.023839	0.044545	0.391888
	-0.21468	-2.02354	0.044577	0.391941
	-0.19581	-2.02655	0.044264	0.39113
UQCC2;HLA-DMB;PFDN6;ENSG00000272288;BAK1	0.163207	2.026215	0.044299	0.391212
	0.281014	2.025419	0.044381	0.391488
	0.297271	2.030971	0.043808	0.389662
SUSD3	0.252315	2.032489	0.043653	0.389077
	0.235872	2.020946	0.044847	0.392676
CCDC34;MUC15	0.27288	2.027497	0.044166	0.39082
	-0.15573	-2.02545	0.044378	0.391486
	-0.22371	-2.02543	0.04438	0.391488
BCL11B;EVL	0.274898	2.033139	0.043586	0.388887
	0.151177	2.028225	0.044091	0.390518
	0.203508	2.026347	0.044285	0.391184
	-0.20258	-2.03062	0.043844	0.389745
HARBI1;C11orf49;PHF21A;CREB3L1;CKAP5;MAPK8IP1	-0.24742	-2.03004	0.043904	0.389965
	-0.25847	-2.01799	0.045157	0.393299
	-0.24691	-2.01849	0.045105	0.393234
	0.120202	2.022623	0.044672	0.392196
INHBA;SUGCT	-0.26101	-2.03042	0.043865	0.389844
	0.219218	2.021833	0.044754	0.392371
	0.253799	2.021492	0.04479	0.392503
	0.286332	2.030559	0.043851	0.389764
	-0.20776	-2.0267	0.044248	0.391066
	0.344136	2.032231	0.043679	0.389179
	-0.17843	-2.02586	0.044335	0.391335
	0.178327	2.031072	0.043798	0.389661
	-0.33424	-2.03097	0.043808	0.389662
LINC01132	0.19502	2.025178	0.044406	0.391599
	0.190385	2.029421	0.043968	0.390114
	0.210832	2.029789	0.04393	0.390061
ABHD2	0.198706	2.03081	0.043825	0.389668
	-0.2468	-2.02511	0.044413	0.391601
	0.191754	2.027198	0.044197	0.390906
TRAF3	0.232582	2.028739	0.044038	0.390324
	0.181978	2.027375	0.044179	0.390856
	0.321465	2.02415	0.044513	0.391828
	0.247481	2.027142	0.044203	0.390926
	0.262141	2.027469	0.044169	0.390829
	-0.2649	-2.0243	0.044498	0.391828
	0.203705	2.027247	0.044192	0.390892
KIF3B	0.212244	2.030607	0.043846	0.389745
	0.113454	2.028769	0.044035	0.390321
	0.23369	2.026995	0.044218	0.390963
	-0.22596	-2.03138	0.043766	0.389544
	-0.33741	-2.02933	0.043977	0.390122

MYO1B;STAT1;MFSD6	0.220143	2.030929	0.043813	0.389662
PCGF2;PSMB3	0.245336	2.03252	0.04365	0.389077
	-0.23104	-2.02663	0.044256	0.391096
	-0.22301	-2.02902	0.044009	0.390223
LRRC46;PRR15L	0.277891	2.032432	0.043659	0.389077
	0.140036	2.025483	0.044374	0.39148
	0.272373	2.026569	0.044262	0.39113
DLL4;GPR176;SPINT1;ENSG00000261183;C15orf52;RHOV;FSIP 1	-0.26536	-2.01687	0.045275	0.393584
	-0.14228	-2.02776	0.044139	0.390704
TOP3A	-0.16163	-2.0299	0.043918	0.390026
	-0.1026	-2.02702	0.044215	0.390961
	-0.15866	-2.02879	0.044032	0.390307
	-0.35419	-2.03137	0.043768	0.389546
	-0.1322	-2.02501	0.044424	0.39166
	0.221695	2.02764	0.044151	0.390762
TNFAIP8L1;HSD11B1L	-0.37106	-2.01737	0.045223	0.393416
	0.131002	2.029949	0.043913	0.390007
	-0.22411	-2.02487	0.044439	0.39169
ING5;GAL3ST2	-0.15478	-2.02834	0.044079	0.390478
FBXO41	-0.33547	-2.031	0.043805	0.389662
	0.275542	2.027659	0.044149	0.390757
	-0.29567	-2.02145	0.044794	0.392515
GALE;LYPLA2	0.218373	2.029499	0.04396	0.390114
SCARF1	0.125372	2.023785	0.044551	0.391899
	0.195897	2.021326	0.044807	0.392548
	0.110034	2.027469	0.044169	0.390829
	0.166012	2.030386	0.043868	0.389865
	0.247698	2.031266	0.043778	0.389597
	0.250811	2.015468	0.045423	0.393887
	-0.28918	-2.02904	0.044006	0.390223
IRF4;ENSG00000218027	0.398831	2.031201	0.043785	0.3896
COL4A1;COL4A2	-0.33695	-2.02791	0.044123	0.390635
	0.217336	2.026822	0.044236	0.391
	0.208076	2.023523	0.044578	0.391943
	-0.1916	-2.02619	0.044301	0.391212
	-0.16034	-2.02953	0.043957	0.390114
	-0.15589	-2.02302	0.044631	0.392083
	-0.18017	-2.03163	0.04374	0.389421
	0.157571	2.027354	0.044181	0.390856
	0.216096	2.027338	0.044182	0.390856
	0.175504	2.025539	0.044369	0.39148
LINC00511	-0.31664	-2.02881	0.044031	0.390301
	0.187393	2.024964	0.044428	0.39166
	0.313419	2.031856	0.043718	0.389351
HES6;RAB17;TWIST2;TRAF3IP1;HDAC4;MLPH	0.254715	2.022568	0.044678	0.392196
	0.288044	2.031948	0.043708	0.389351

MRGPRF	0.230899	2.024685	0.044457	0.391755
	0.139685	2.018995	0.045052	0.393155
	-0.30188	-2.02873	0.044039	0.390327
	0.161248	2.020541	0.04489	0.392769
	-0.28136	-2.02969	0.04394	0.390074
	-0.25684	-2.02237	0.044699	0.392239
	0.159022	2.02677	0.044241	0.391039
	0.277078	2.031688	0.043735	0.389421
	0.192035	2.025331	0.04439	0.391531
	0.220853	2.024717	0.044454	0.391753
	-0.20287	-2.02934	0.043976	0.390122
TEAD1	0.32145	2.028177	0.044096	0.390554
DHX16	0.226838	2.027786	0.044136	0.390701
SUN1	0.178427	2.029364	0.043974	0.390119
CDC25B;NOP56;MRPS26	0.184012	2.031669	0.043737	0.389421
MRAS;CEP70;PIK3CB	-0.18835	-2.02739	0.044177	0.390856
	-0.30018	-2.03008	0.0439	0.389959
	-0.24361	-2.0309	0.043815	0.389662
	0.232135	2.026903	0.044227	0.390974
STEAP3	0.223941	2.031282	0.043776	0.389591
	-0.17059	-2.02616	0.044304	0.391231
	0.2735	2.024426	0.044484	0.391828
LRRC4;AHCYL2;SMO;CCDC136;FLNC;IMPDH1;TPI1P2	-0.21965	-2.02436	0.044491	0.391828
	0.200704	2.030994	0.043806	0.389662
KIAA0922;DCHS2	0.262255	2.029017	0.044009	0.390223
LIFR;LIFR-AS1	-0.23895	-2.02477	0.044448	0.391738
	0.20081	2.023938	0.044535	0.391856
	-0.28526	-2.02871	0.044041	0.390333
CD200;ABHD10;PHLDB2;C3orf52;SLC9C1;ENSG00000261488;G				
CSAM	-0.29324	-2.02347	0.044583	0.391957
PPFIA2	0.258484	2.027947	0.04412	0.390617
LRRC49;THAP10;ENSG00000245750;UACA	-0.22025	-2.02754	0.044161	0.390802
CYB5R1;PPFIA4;PIK3C2B;TMEM183A;KDM5B;MDM4;ENSG000				
00227417	-0.29486	-2.0271	0.044207	0.390936
PDGFA	-0.33899	-2.01929	0.04502	0.393118
	-0.20813	-2.02013	0.044933	0.392908
	-0.23351	-2.029	0.044011	0.390223
	-0.15835	-2.02772	0.044143	0.390718
	0.280046	2.025123	0.044412	0.391601
	-0.17256	-2.02733	0.044183	0.390856
	-0.16483	-2.0261	0.04431	0.391246
	0.177302	2.024596	0.044466	0.391787
	-0.27358	-2.0281	0.044104	0.390596
	0.198333	2.024981	0.044427	0.39166
	-0.16357	-2.0236	0.044571	0.391927
	0.097426	2.028341	0.044079	0.390478
	0.250264	2.029818	0.043927	0.390051

	-0.15412	-2.02553	0.044369	0.39148
	0.167659	2.031712	0.043732	0.389421
	-0.20785	-2.02945	0.043964	0.390114
	0.208652	2.025473	0.044376	0.391482
SCGB1A1	-0.16806	-2.02549	0.044374	0.39148
	0.210289	2.026495	0.04427	0.391142
PLVAP;USHBP1;B3GNT3	-0.29335	-2.02364	0.044566	0.391927
ERGIC3;PROCR;EDEM2	0.27671	2.02312	0.04462	0.392037
CEP55	-0.16211	-2.02953	0.043957	0.390114
	-0.37342	-2.02621	0.0443	0.391212
KIAA1755;RPRD1B;SOGA1;MYL9;DLGAP4;VSTM2L;TGIF2	-0.32405	-2.02849	0.044064	0.390425
	0.142789	2.026401	0.044279	0.391165
	0.150471	2.027232	0.044193	0.390892
	0.147867	2.023263	0.044605	0.392015
	-0.20137	-2.02853	0.04406	0.390425
	0.241382	2.022433	0.044692	0.392215
	0.243691	2.028544	0.044058	0.390425
	-0.19118	-2.0226	0.044675	0.392196
	-0.20734	-2.02595	0.044326	0.391298
	-0.33575	-2.02282	0.044651	0.392109
	-0.20667	-2.02875	0.044037	0.390321
	0.159805	2.021112	0.04483	0.392617
	0.273529	2.022232	0.044713	0.392286
	-0.44214	-2.02741	0.044175	0.390856
	-0.17554	-2.02434	0.044493	0.391828
	-0.18094	-2.02898	0.044013	0.390223
	-0.20339	-2.02703	0.044215	0.390961
	-0.17514	-2.02995	0.043914	0.390007
	0.237116	2.030829	0.043823	0.389668
CEP55	-0.12896	-2.02906	0.044005	0.390223
	0.254822	2.022947	0.044638	0.392086
C8orf33	-0.20523	-2.02143	0.044797	0.392526
NREP;STARD4-AS1	0.219294	2.026426	0.044277	0.391165
	-0.2461	-2.02074	0.044869	0.392715
IRF4	-0.32587	-2.01995	0.044952	0.392989
TTLL11;ENSG00000261534	0.310892	2.024641	0.044462	0.391768
ARAP3	0.297173	2.024479	0.044479	0.391818
	0.248808	2.02556	0.044367	0.391479
	0.146196	2.021128	0.044828	0.392614
	0.256706	2.028461	0.044067	0.39044
SEPT10;SOWAHC;LINC01106	0.334537	2.021799	0.044758	0.392378
	-0.17439	-2.02379	0.044551	0.391899
USP21;PPOX	0.332083	2.029435	0.043966	0.390114
	-0.22629	-2.02489	0.044436	0.391688
DSP;BMP6	-0.35143	-2.02293	0.044639	0.392086
SLC7A5	0.208589	2.023774	0.044552	0.391899
	0.195955	2.027171	0.0442	0.390915

ZKSCAN1;PCOLCE;ZCWPW1;ZNF3;STAG3	-0.21916	-2.02602	0.044319	0.391268
	-0.33041	-2.02406	0.044522	0.391828
MZB1	-0.32118	-2.03005	0.043903	0.389965
	-0.15026	-2.02495	0.04443	0.391666
	-0.17095	-2.0216	0.044779	0.392443
C17orf97;DOC2B;FAM101B	-0.24277	-2.0199	0.044957	0.393001
	0.189384	2.030137	0.043894	0.389939
	-0.18859	-2.02842	0.044071	0.390455
	-0.21218	-2.02967	0.043942	0.390074
	0.222645	2.024095	0.044519	0.391828
	0.22202	2.028812	0.04403	0.390301
	-0.27107	-2.0187	0.045082	0.393209
	0.26088	2.026293	0.044291	0.391211
ADCY3	0.225122	2.026385	0.044281	0.391165
RPL41	-0.23436	-2.0267	0.044249	0.391066
PI16;RNF8;CPNE5;COX6A1P2	-0.21123	-2.02621	0.044299	0.391212
	-0.30487	-2.02236	0.044699	0.392239
	0.183087	2.025286	0.044395	0.391558
	-0.22056	-2.02316	0.044616	0.392025
	-0.15584	-2.02625	0.044295	0.391212
ENPP1	0.227765	2.02404	0.044524	0.391828
	0.276087	2.024601	0.044466	0.391787
	-0.22135	-2.02399	0.044529	0.391853
SOX21-AS1;GPR180;CLDN10;DNAJC3	-0.2579	-2.02165	0.044774	0.392435
	0.157174	2.027524	0.044163	0.390811
	0.217522	2.026971	0.04422	0.390969
	-0.23031	-2.02044	0.0449	0.39281
	-0.12666	-2.02449	0.044478	0.391818
	0.135785	2.028027	0.044111	0.390602
	0.229704	2.028689	0.044043	0.390345
KIF7;CRTC3;MFGE8	0.216265	2.023586	0.044572	0.391927
CLSTN2	-0.19587	-2.02438	0.044488	0.391828
PMP22;UBB;TRIM16	0.219868	2.025497	0.044373	0.39148
	0.238329	2.027569	0.044159	0.39079
	-0.28123	-2.02882	0.044029	0.390301
	-0.23707	-2.02692	0.044225	0.390974
TOMM40	-0.27268	-2.03046	0.043861	0.389827
	-0.15575	-2.02415	0.044513	0.391828
	0.148812	2.029471	0.043963	0.390114
	0.167528	2.021695	0.044769	0.392408
	0.296978	2.028103	0.044103	0.390596
	-0.28151	-2.02004	0.044942	0.392918
	-0.16912	-2.02433	0.044494	0.391828
	0.149773	2.023134	0.044619	0.392033
	0.288249	2.028097	0.044104	0.390596
PPARGC1B;ARHGEF37;ADRB2	-0.29269	-2.02738	0.044178	0.390856
	0.432384	2.028604	0.044052	0.390399

	0.201793	2.024565	0.04447	0.391787
	0.244884	2.023134	0.044619	0.392033
	-0.10136	-2.01673	0.04529	0.393615
	0.200964	2.024202	0.044507	0.391828
	-0.17746	-2.02557	0.044365	0.391478
	0.232681	2.026036	0.044317	0.391268
	0.103523	2.022942	0.044639	0.392086
PCDHB15	0.190764	2.021151	0.044826	0.392611
	0.171019	2.024071	0.044521	0.391828
	-0.16701	-2.01882	0.04507	0.393191
	-0.15884	-2.0257	0.044352	0.391396
	-0.18834	-2.02746	0.04417	0.390832
SECTM1	0.388473	2.02794	0.04412	0.390617
HMHA1;ARID3A;PPAP2C;GRIN3B;PCSK4;ATP8B3	-0.3061	-2.02895	0.044016	0.390231
ZNF418;ZNF154;ZNF135	0.169956	2.022512	0.044684	0.392207
	0.151551	2.022178	0.044718	0.392294
	0.240951	2.027061	0.044211	0.390959
	-0.17679	-2.02675	0.044243	0.391049
	0.26035	2.026035	0.044317	0.391268
	-0.12532	-2.02943	0.043967	0.390114
UNC93B1;GSTP1;ALDH3B1;MRGPRF;FAM86C2P;ALDH3B2;PITPNM1;TBC1D10C;AIP;ENSG00000255306;ENSG00000254610;ENSG00000261625;CDK2AP2;MTL5	-0.20682	-2.02577	0.044345	0.391367
	0.221355	2.015727	0.045396	0.393835
GPIHBP1;TSTA3;FAM83H-AS1;C8orf31;NRBP2	0.291143	2.024439	0.044483	0.391828
	0.129082	2.02715	0.044202	0.390926
TBC1D4;LMO7	-0.34965	-2.0213	0.04481	0.392548
ENSG00000197934;JAM2;CYYR1;ENSG00000232692	-0.24696	-2.0204	0.044904	0.39281
OR1F12;ZNF391;ZKSCAN3	0.313996	2.027284	0.044188	0.390885
	0.205752	2.02551	0.044372	0.39148
PRDM1;ENSG00000235142	-0.18939	-2.0235	0.044581	0.39195
	-0.35944	-2.02849	0.044063	0.390425
	-0.32027	-2.02149	0.044791	0.392503
C19orf54;RPS16	0.21373	2.027512	0.044164	0.390813
	0.167272	2.026083	0.044312	0.391255
	0.316872	2.022098	0.044727	0.392297
	0.303513	2.021999	0.044737	0.392303
CERCAM;ODF2;COQ4;DNM1;GARNL3;ENG;SH2D3C;TTC16;ST6GALNAC6;RALGPS1;C9orf117;ANGPTL2;GLE1;LCN2;AK1;SNORA65	-0.36786	-2.02656	0.044262	0.39113
	0.272093	2.024402	0.044487	0.391828
	-0.30682	-2.02682	0.044236	0.391
FAM83H-AS1;LY6D;BAI1;FAM83H;PSCA;RHPN1-AS1;GPIHBP1;EEF1D	-0.26262	-2.01727	0.045233	0.393434
BIK;ARFGAP3	-0.2657	-2.02694	0.044224	0.390974
	-0.23135	-2.02391	0.044538	0.391862
NCF1B	-0.18053	-2.0166	0.045303	0.393632

FYB	0.277993	2.027121	0.044205	0.390928
	0.159496	2.024755	0.04445	0.391743
	0.185116	2.028901	0.044021	0.390241
	0.131611	2.02336	0.044595	0.392011
	0.236595	2.025438	0.044379	0.391488
	0.221262	2.027015	0.044216	0.390961
SLC7A5	-0.15153	-2.02279	0.044655	0.39212
	-0.14492	-2.02345	0.044586	0.391968
	0.234943	2.026431	0.044276	0.391165
	-0.17218	-2.02406	0.044522	0.391828
	0.259245	2.024459	0.044481	0.391828
	0.223518	2.02794	0.04412	0.390617
	-0.16976	-2.02727	0.044189	0.390887
IL32;CLUAP1;C16orf71;ENSG00000263011	0.214119	2.025782	0.044343	0.391367
	0.254632	2.027994	0.044115	0.390609
	0.204587	2.012731	0.045714	0.394675
	0.194402	2.021168	0.044824	0.392611
PPP1R7;HDLBP	0.251119	2.021089	0.044832	0.392617
	0.228584	2.029799	0.043929	0.390061
	0.213501	2.028487	0.044064	0.390425
	0.118509	2.02603	0.044318	0.391268
	-0.13341	-2.02379	0.04455	0.391899
	0.141103	2.029203	0.04399	0.390175
PARD6B;ATP9A;MOCS3;CEBPB;DPM1;BCAS4;RNF114	-0.33885	-2.01573	0.045396	0.393835
	0.11343	2.018582	0.045095	0.393222
	0.163207	2.025939	0.044327	0.391298
	-0.18431	-2.02508	0.044417	0.391619
	-0.17175	-2.02859	0.044053	0.390402
	0.337522	2.027125	0.044205	0.390928
ASAH1	-0.27696	-2.02803	0.044111	0.390602
PSMD14;TANK	0.229697	2.028993	0.044012	0.390223
	-0.27216	-2.02258	0.044676	0.392196
	-0.243	-2.01824	0.045131	0.393266
	0.220606	2.025105	0.044414	0.391601
	0.231309	2.022425	0.044693	0.392215
NCKAP1L;ITGA5;PRR13	0.305841	2.01896	0.045055	0.393155
	0.325715	2.025863	0.044335	0.391335
NAPSB;MYH14	0.201912	2.026865	0.044231	0.390985
	0.271207	2.026419	0.044278	0.391165
	0.130384	2.020739	0.044869	0.392715
	0.30621	2.022753	0.044658	0.392132
	-0.15313	-2.02388	0.044541	0.391876
WBP1L;SH3PXD2A;CNNM2;NT5C2	-0.26639	-2.02221	0.044715	0.392294
	-0.26341	-2.0269	0.044227	0.390974
ENSG00000260806;GSKIP;AK7	0.228287	2.023779	0.044551	0.391899
RASAL2;RALGPS2	0.320098	2.028974	0.044014	0.390223
	-0.18935	-2.02456	0.04447	0.391787

	0.204192	2.018768	0.045076	0.393209
	0.315024	2.02545	0.044378	0.391486
FAM83H-AS1	-0.23164	-2.02628	0.044292	0.391212
SIGIRR	-0.39948	-2.02927	0.043983	0.390159
	0.183137	2.023868	0.044542	0.391877
	-0.2606	-2.02835	0.044078	0.390478
	0.316329	2.026907	0.044227	0.390974
PSMD8	-0.12755	-2.02211	0.044725	0.392297
	0.19502	2.025236	0.0444	0.391572
	-0.1237	-2.02522	0.044402	0.391578
	0.218667	2.024277	0.0445	0.391828
	0.273404	2.028909	0.04402	0.390241
	-0.24713	-2.02081	0.044862	0.392709
PNLDC1	0.219815	2.018904	0.045061	0.393164
NLRP1;C1QBP;P2RX1;ZZEF1;PSMB6;ARRB2;NUP88	-0.23484	-2.02724	0.044192	0.390892
	0.150605	2.02396	0.044533	0.391856
	-0.19108	-2.02324	0.044607	0.392015
	0.211975	2.02115	0.044826	0.392611
	0.245472	2.018692	0.045084	0.393209
	0.245893	2.023312	0.0446	0.392015
	-0.18408	-2.02773	0.044142	0.390718
	0.194838	2.019391	0.04501	0.393118
	-0.16712	-2.02688	0.04423	0.390985
SEMA7A;PML	-0.26762	-2.02811	0.044103	0.390596
ENSG00000270681	-0.31064	-2.02239	0.044696	0.39223
PLXND1;GATA2;ENSG00000244300	-0.23156	-2.02309	0.044624	0.392061
	-0.36712	-2.02702	0.044216	0.390961
	-0.23026	-2.02598	0.044323	0.391289
	-0.13276	-2.02583	0.044339	0.391349
	-0.2111	-2.02796	0.044118	0.390617
RN7SL2	-0.20169	-2.0218	0.044758	0.392378
	-0.26834	-2.02361	0.044569	0.391927
	0.186667	2.017636	0.045195	0.393383
	0.200257	2.014273	0.04555	0.394228
ACSL5	0.208627	2.023587	0.044571	0.391927
	-0.16434	-2.0236	0.04457	0.391927
	-0.1723	-2.01063	0.045938	0.395191
TMPRSS4	-0.26653	-2.02407	0.044521	0.391828
	-0.19877	-2.02056	0.044888	0.392769
	0.233791	2.018147	0.045141	0.393274
	-0.13821	-2.02287	0.044646	0.392086
RADIL;FOXK1;TNRC18;FSCN1;RNF216	0.376024	2.013481	0.045634	0.394397
	-0.16574	-2.02518	0.044406	0.391599
	0.201785	2.022128	0.044724	0.392294
ATP6V1B1;PAIP2B	0.25885	2.024989	0.044426	0.39166
	-0.29479	-2.02417	0.044511	0.391828
RYR3	0.313074	2.029844	0.043924	0.390047

	0.145411	2.021923	0.044745	0.392312
	-0.17507	-2.02125	0.044815	0.392577
	0.23356	2.023744	0.044555	0.391902
CD3E	0.144692	2.02425	0.044503	0.391828
IL20RA;MAP7;MAP3K5;ENSG00000237499	-0.39778	-2.02305	0.044627	0.392078
	0.297672	2.024826	0.044443	0.391719
IL7R	-0.3051	-2.02477	0.044449	0.391738
CARNS1;TBC1D10C;DPP3;GSTP1	-0.27868	-2.01892	0.045059	0.393164
PIGCP1;CD59	0.198258	2.017854	0.045172	0.393339
ENSG00000261659	0.243876	2.024298	0.044498	0.391828
	0.266775	2.015421	0.045428	0.393887
	0.120849	2.023018	0.044631	0.392083
	0.224216	2.023735	0.044556	0.391902
LOH12CR1	0.267758	2.024237	0.044504	0.391828
	0.236801	2.022685	0.044666	0.392162
	-0.18137	-2.02053	0.04489	0.392769
	-0.25619	-2.02248	0.044687	0.392207
	0.161022	2.020897	0.044852	0.392686
	-0.129	-2.01552	0.045418	0.393859
TAL1;IPP;TSPAN1;CYP4B1;PRDX1;TMEM69	0.231668	2.02163	0.044776	0.392436
	-0.17676	-2.02299	0.044633	0.392086
	0.190589	2.026013	0.04432	0.391268
	0.191317	2.015893	0.045379	0.393821
PCOLCE;ZKSCAN1;ZCWPW1;ZNF3;RABL5;ZNHIT1;STAG3;GAL3S T4;AP4M1;AP1S1;ENSG00000239521	-0.15897	-2.01911	0.045039	0.393147
	-0.21681	-2.02567	0.044355	0.391415
	0.208539	2.017328	0.045227	0.393416
FAM107B;CDNF;MEIG1;ACBD7;FRMD4A;ITGA8;RPP38;C10orf1 11	-0.34989	-2.02203	0.044734	0.392303
	0.262557	2.026687	0.04425	0.391066
DNAJA4;WDR61;ACSBG1	-0.30242	-2.02024	0.044921	0.392842
	-0.25006	-2.02556	0.044367	0.391479
TNFRSF1B	0.231384	2.02576	0.044346	0.391367
	-0.34894	-2.02601	0.04432	0.391268
ENSG00000115128;NCOA1;KLHL29	-0.23875	-2.02061	0.044882	0.39276
XPNPEP1	0.244031	2.01578	0.04539	0.393835
	0.177443	2.026674	0.044251	0.39107
FARP1	-0.25845	-2.02583	0.044339	0.391349
	0.197655	2.011457	0.04585	0.394874
CLDN5;ZDHHC8;CLTCL1	0.196981	2.02414	0.044514	0.391828
	0.280722	2.022143	0.044722	0.392294
	-0.23345	-2.02307	0.044625	0.392064
PMP2	-0.2139	-2.02731	0.044185	0.390866
SSBP3;DHCR24	0.270868	2.023628	0.044567	0.391927
GPX8	0.259485	2.018008	0.045155	0.393299
	0.261935	2.026656	0.044253	0.391078
	0.187614	2.018977	0.045054	0.393155

	0.180637	2.02363	0.044567	0.391927
IRX3;IRX5	-0.17061	-2.02457	0.04447	0.391787
	0.108966	2.024035	0.044525	0.391828
	0.175397	2.019667	0.044981	0.393069
	-0.23225	-2.01934	0.045016	0.393118
SLAMF1;ARHGAP30;CD244;LY9;SLAMF6;CD84;CD48;SLAMF7;F				
CGR3A;FCGR2B	-0.25517	-2.02577	0.044344	0.391367
	0.148993	2.02428	0.044499	0.391828
	0.184743	2.025528	0.04437	0.39148
	0.169029	2.022334	0.044702	0.392247
	-0.21472	-2.01534	0.045437	0.393913
	0.19428	2.024412	0.044486	0.391828
SHANK3;MAPK12;MAPK11;C22orf34;ENSG00000235111	-0.22907	-2.02488	0.044437	0.391688
STAT5A;IFI35	-0.20285	-2.02496	0.044429	0.39166
	-0.29223	-2.02692	0.044226	0.390974
	0.333206	2.026692	0.044249	0.391066
ENSG00000269069	0.208692	2.021166	0.044824	0.392611
HCP5;TAP1;TAP2;HLA-DOA;HLA-B;HLA-DMA;HLA-DMB;HLA-C;PSMB9;MICB;TAPSAR1;HSPA1A;HLA-DPB1;HLA-DPA1;HSPA1B;HLA-DRA;LTB	0.206065	2.023418	0.044589	0.391975
	0.195611	2.023578	0.044572	0.391927
	0.228033	2.025616	0.044361	0.391447
	-0.19559	-2.02407	0.044522	0.391828
	0.233965	2.016302	0.045335	0.393693
	0.109815	2.018923	0.045059	0.393164
	0.300876	2.018325	0.045122	0.393266
FAM65A;ENSG00000266801;CTCF	-0.21809	-2.02337	0.044594	0.392006
CCL28;C5orf34;ZNF131;ENSG00000249492;NNT;NNT-AS1;GHR;FGF10;FGF10-AS1;ENSG00000215068	-0.31276	-2.02411	0.044518	0.391828
	0.223131	2.015019	0.045471	0.393998
	0.270895	2.022912	0.044642	0.392086
CAPN5;LRRC32;AAMDC	-0.22768	-2.02324	0.044607	0.392015
	0.272358	2.026309	0.044289	0.39121
SLC44A4;PPP1R18;TNXB	0.216702	2.022107	0.044726	0.392297
SNAPC5;AAGAB;IQCH;VWA9;PTPLAD1;SMAD6	-0.32285	-2.02098	0.044843	0.392675
	0.183295	2.022451	0.04469	0.392215
CDC25A	0.232357	2.024557	0.044471	0.391787
	-0.21751	-2.02385	0.044544	0.391886
	-0.21022	-2.02353	0.044577	0.391941
MAN2B1	0.157074	2.024016	0.044527	0.391838
	0.303694	2.025037	0.044421	0.391647
LAX1	0.233634	2.022576	0.044677	0.392196
	0.271544	2.02464	0.044462	0.391768
C15orf52;ENSG00000261183;DLL4;SPINT1;RMDN3	0.228573	2.02316	0.044616	0.392025
	-0.14456	-2.01752	0.045207	0.393383
GATAD2A	-0.26509	-2.02113	0.044828	0.392614
	-0.2425	-2.02316	0.044615	0.392025

ENTPD5	-0.22393	-2.02468	0.044458	0.391755
	-0.208	-2.02603	0.044318	0.391268
	-0.15766	-2.02194	0.044743	0.392303
	-0.12189	-2.02394	0.044535	0.391856
	0.209982	2.019146	0.045036	0.393147
C11orf49	0.195367	2.022929	0.04464	0.392086
ATP6V0A2	-0.23772	-2.027	0.044218	0.390963
ERGIC3;MYL9	-0.27939	-2.02327	0.044605	0.392015
LRRC48;FBXW10;ALKBH5;MIEF2;ENSG00000232344;ENSG0000				
0226145;ATPAF2;PLD6;NT5M;TRIM16L	-0.28345	-2.01368	0.045613	0.39435
	-0.08931	-2.01809	0.045147	0.393276
	-0.11882	-2.02227	0.044709	0.39226
TBX2;TBX4	0.275696	2.017088	0.045252	0.393452
	0.241424	2.018545	0.045099	0.393222
C15orf52;DLL4;SPINT1;NUSAP1;CHP1;CASC5	-0.28551	-2.02581	0.044341	0.391363
	-0.22948	-2.02243	0.044692	0.392215
	-0.18525	-2.02388	0.044541	0.391876
HEBP2;KIAA1244;REPS1	0.266363	2.019058	0.045045	0.39315
	0.235746	2.018791	0.045073	0.393209
	0.289203	2.019807	0.044966	0.393032
	-0.22137	-2.02595	0.044326	0.391298
	0.327526	2.026865	0.044231	0.390985
	0.193312	2.0217	0.044768	0.392408
	0.145291	2.022306	0.044705	0.392247
	0.233997	2.022312	0.044704	0.392247
	0.158786	2.021974	0.04474	0.392303
	-0.26736	-2.02452	0.044474	0.391807
SKI;PRDM16	0.28557	2.02636	0.044284	0.391179
	0.219967	2.021369	0.044803	0.392547
	0.237444	2.026197	0.0443	0.391212
	0.214559	2.019771	0.04497	0.393046
SLA2;EPB41L1	-0.25446	-2.02176	0.044762	0.392403
	0.1661	2.023296	0.044602	0.392015
ZNF606;ENSG00000267858;CENPBD1P1;ENSG00000268912	-0.26976	-2.01634	0.045331	0.393693
	0.102319	2.021464	0.044793	0.392515
	0.292798	2.023773	0.044552	0.391899
	0.212415	2.027763	0.044139	0.390704
	0.182991	2.027051	0.044212	0.39096
RPA3;CYTH3;RSPH10B2;ENSG00000198580;ICA1;MIOS	-0.39221	-2.0249	0.044434	0.391687
TIMM44	0.19719	2.019174	0.045033	0.393143
	0.18979	2.01701	0.045261	0.393516
	-0.16402	-2.02623	0.044297	0.391212
	0.223407	2.023688	0.044561	0.391927
	-0.18356	-2.02661	0.044257	0.391101
	-0.2786	-2.02162	0.044777	0.392436
	0.129942	2.022	0.044737	0.392303

	0.204398	2.023229	0.044609	0.392015
	0.216624	2.016732	0.04529	0.393615
	0.224121	2.017219	0.045239	0.393434
	0.149534	2.020103	0.044935	0.392915
	0.145395	2.020671	0.044876	0.392727
	-0.17451	-2.02197	0.04474	0.392303
	0.181082	2.025921	0.044329	0.391298
	-0.2783	-2.01808	0.045147	0.393276
	0.176278	2.022883	0.044645	0.392086
PALD1;SGPL1;CDH23;UNC5B-AS1	-0.23288	-2.01784	0.045173	0.393339
	0.221121	2.022843	0.044649	0.392098
	-0.17033	-2.01896	0.045055	0.393155
	-0.24991	-2.02303	0.04463	0.392083
ENSG00000268885;ENSG00000225138	0.221907	2.021754	0.044763	0.392403
EGFLAM;LIFR	0.329217	2.024329	0.044494	0.391828
	0.254646	2.024166	0.044511	0.391828
	0.300604	2.017592	0.045199	0.393383
	0.245879	2.025233	0.0444	0.391572
	0.199576	2.021687	0.04477	0.392408
	0.150938	2.023291	0.044602	0.392015
	-0.20076	-2.02277	0.044656	0.39212
	0.133238	2.019333	0.045016	0.393118
	-0.14146	-2.02196	0.044741	0.392303
C2orf54	-0.28905	-2.01766	0.045192	0.393383
	-0.2931	-2.02391	0.044537	0.391862
	-0.20904	-2.02131	0.044809	0.392548
	-0.25477	-2.02149	0.04479	0.392503
HHAT;IRF6;HSD11B1	-0.30648	-2.01457	0.045519	0.394182
	0.182592	2.023442	0.044587	0.391968
	0.216994	2.019309	0.045019	0.393118
	0.1645	2.025265	0.044397	0.391559
MAP7;IL20RA;MAP3K5;PEX7;ENSG00000220412	-0.36634	-2.02368	0.044562	0.391927
GRK5	0.189418	2.020054	0.044941	0.392918
	0.232988	2.024108	0.044517	0.391828
	0.16496	2.022346	0.044701	0.392247
CUL4A	0.206594	2.017989	0.045158	0.393299
	-0.28461	-2.02037	0.044908	0.392814
	-0.18468	-2.01537	0.045434	0.393913
SPSB1;SLC45A1	-0.32014	-2.02489	0.044437	0.391688
THBS2	0.363222	2.01865	0.045088	0.393222
	-0.16227	-2.02641	0.044278	0.391165
	-0.21901	-2.0209	0.044852	0.392686
	-0.13103	-2.01395	0.045585	0.394297
	-0.22043	-2.0208	0.044862	0.392709
	-0.2177	-2.02108	0.044833	0.392617
SOX7	-0.22083	-2.01954	0.044995	0.393114
	0.136579	2.020858	0.044856	0.392691

	-0.14221	-2.02322	0.044609	0.392015
	0.171616	2.019262	0.045024	0.393118
	-0.25301	-2.01543	0.045428	0.393887
	-0.13018	-2.02125	0.044816	0.392577
	-0.25745	-2.02362	0.044568	0.391927
	0.245279	2.022503	0.044684	0.392207
	0.248764	2.02328	0.044603	0.392015
	-0.24461	-2.01818	0.045137	0.393268
	0.112686	2.021184	0.044822	0.392611
GRPEL1	0.150936	2.01521	0.045451	0.393931
HIST1H3A	0.194622	2.021097	0.044831	0.392617
IRF4	0.391153	2.02515	0.044409	0.391601
ABHD2;FES;PEX11A;WDR93	-0.26433	-2.02434	0.044493	0.391828
	-0.23897	-2.02153	0.044786	0.392498
	-0.16263	-2.02436	0.044491	0.391828
	-0.19075	-2.02269	0.044665	0.392162
CIITA	0.250811	2.025414	0.044382	0.391488
	0.132612	2.01995	0.044951	0.392989
	-0.31613	-2.02027	0.044918	0.392839
KCTD11;XAF1;CYB5D1	-0.12664	-2.02189	0.044748	0.392335
	-0.27623	-2.01739	0.04522	0.393416
TBX19;RCSD1	-0.20844	-2.02325	0.044607	0.392015
	-0.14618	-2.02061	0.044882	0.39276
	0.096468	2.017121	0.045249	0.393438
	0.228679	2.019478	0.045001	0.393114
CARS	0.284009	2.026111	0.044309	0.391246
	-0.16885	-2.01565	0.045404	0.39385
	0.182556	2.018254	0.04513	0.393266
	0.12135	2.012218	0.045768	0.394675
TSPAN1;ENSG00000226252	-0.24699	-2.0148	0.045494	0.394068
	-0.1618	-2.02045	0.044899	0.39281
	-0.19141	-2.01558	0.045412	0.393852
	0.223052	2.021687	0.04477	0.392408
	0.195284	2.021379	0.044802	0.392547
	0.108784	2.012355	0.045754	0.394675
	0.213512	2.023241	0.044608	0.392015
	0.192701	2.018044	0.045152	0.393289
	0.153897	2.018256	0.045129	0.393266
LDB2;ENSG00000251379;C1QTNF7	-0.24575	-2.02033	0.044912	0.392824
B3GNT3;NR2F6;PLVAP;USHBP1	-0.2029	-2.014	0.045579	0.394297
	-0.17735	-2.02326	0.044606	0.392015
ABHD3;SNRPD1	-0.31784	-2.01927	0.045022	0.393118
	-0.18033	-2.02151	0.044788	0.392503
	-0.29011	-2.02058	0.044886	0.392767
	0.293269	2.022137	0.044723	0.392294
HAPLN3;ENSG00000259561;WDR93	-0.26997	-2.02412	0.044516	0.391828
	0.140665	2.018516	0.045102	0.393233

	0.243651	2.019205	0.04503	0.393138
CMTM6;DYNC1LI1;CNOT10;STT3B	0.266808	2.019537	0.044995	0.393114
	0.200426	2.02198	0.044739	0.392303
ARL15	-0.28348	-2.01871	0.045082	0.393209
	0.185711	2.024317	0.044496	0.391828
	0.32556	2.022545	0.04468	0.392201
	0.274513	2.022089	0.044728	0.392297
RASSF1	-0.16428	-2.02416	0.044512	0.391828
DPF3	-0.25591	-2.01254	0.045734	0.394675
	-0.22981	-2.02253	0.044681	0.392203
	0.241761	2.02024	0.044921	0.392842
	0.227082	2.020349	0.04491	0.392821
TVP23B;COPS3	-0.18569	-2.0226	0.044675	0.392196
	0.23453	2.016064	0.04536	0.39376
	-0.17427	-2.01349	0.045634	0.394397
	-0.18582	-2.01629	0.045336	0.393693
SHH	0.198099	2.018063	0.04515	0.393287
	0.155853	2.016663	0.045297	0.393615
	-0.23394	-2.02444	0.044483	0.391828
SERPINB9	0.227024	2.023488	0.044582	0.39195
	-0.21807	-2.01872	0.045081	0.393209
CNOT11	0.305494	2.024116	0.044516	0.391828
	0.232573	2.018344	0.04512	0.393264
TRAPPC10	0.183369	2.019475	0.045001	0.393114
N4BP2L2;HSPH1	-0.27005	-2.01854	0.045099	0.393222
WDR45B;PCYT2	0.20577	2.021989	0.044738	0.392303
	0.181403	2.019678	0.04498	0.393069
	-0.20892	-2.01602	0.045366	0.39378
	0.232419	2.023503	0.04458	0.39195
	0.250171	2.024212	0.044506	0.391828
	0.189806	2.023575	0.044573	0.391927
SIAH2	-0.25499	-2.02043	0.044901	0.39281
TECPR1;BHLHA15	-0.18061	-2.01826	0.045129	0.393266
	-0.21281	-2.01778	0.04518	0.393352
	0.290342	2.023533	0.044577	0.391941
	0.20017	2.020947	0.044847	0.392676
DNAH17	-0.14694	-2.01924	0.045026	0.393124
	-0.22773	-2.01231	0.045758	0.394675
	0.117227	2.010555	0.045946	0.395211
	0.168963	2.017631	0.045195	0.393383
ENSG00000223991	-0.18018	-2.02227	0.044709	0.39226
PDCD6;NKD2	0.231348	2.019001	0.045051	0.393155
	0.151913	2.014933	0.04548	0.394037
	0.19553	2.022443	0.044691	0.392215
MAP7;ENSG00000227844;PDE7B	0.251622	2.01338	0.045645	0.394438
	0.164655	2.019253	0.045025	0.393118
	-0.13247	-2.01933	0.045017	0.393118

BNIP3	0.242223	2.025004	0.044424	0.39166
	0.235143	2.017703	0.045188	0.393383
	-0.27446	-2.0202	0.044925	0.392862
SNAI2;SPIDR;EFCAB1	0.283804	2.015628	0.045407	0.393852
	-0.19662	-2.01136	0.04586	0.394913
PTP4A3	-0.262	-2.02074	0.044868	0.392715
FOXS1;CCM2L;TM9SF4;TTLL9;BCL2L1	-0.22262	-2.02136	0.044803	0.392547
ENSG00000272054	0.267262	2.017672	0.045191	0.393383
	-0.20996	-2.0158	0.045389	0.393835
ENSG00000253168	-0.26701	-2.01974	0.044974	0.393046
	-0.13831	-2.01942	0.045008	0.393114
	0.173768	2.020382	0.044906	0.39281
	-0.17219	-2.01968	0.04498	0.393069
MTND4P23	0.224815	2.022699	0.044664	0.392162
C1orf174	0.165543	2.020588	0.044885	0.392767
	0.170068	2.018587	0.045095	0.393222
	-0.19334	-2.01829	0.045126	0.393266
RNF144A	-0.26096	-2.01911	0.04504	0.393147
	0.139983	2.020575	0.044886	0.392767
LAX1	-0.17954	-2.01821	0.045134	0.393266
MFNG;CSF2RB;IL2RB;CYTH4;RAC2	-0.29108	-2.02214	0.044722	0.392294
	0.298582	2.020412	0.044903	0.39281
COL16A1;SDC3;TINAGL1	0.276456	2.016548	0.045309	0.393651
	0.170231	2.014745	0.0455	0.394106
	0.171287	2.009417	0.046067	0.395561
	-0.18647	-2.02248	0.044687	0.392207
NXPH3;COL1A1;SGCA;ANKRD40;CACNA1G;LRRC59;SLC35B1	0.282	2.021742	0.044764	0.392406
	-0.82318	-2.01842	0.045112	0.393255
	0.248654	2.022657	0.044668	0.39218
	-0.17419	-2.01567	0.045402	0.393841
	0.229171	2.022029	0.044734	0.392303
	-0.2446	-2.02294	0.044639	0.392086
	-0.20795	-2.0165	0.045315	0.393657
	-0.26024	-2.02021	0.044924	0.392862
	-0.24008	-2.01597	0.04537	0.393791
	0.163073	2.02422	0.044506	0.391828
	-0.22752	-2.02465	0.04446	0.391768
	0.215627	2.020719	0.044871	0.392715
	0.217402	2.017414	0.045218	0.393411
NRROS;ENSG00000224769;TNK2;MUC20;LINC00885	-0.25711	-2.01411	0.045568	0.394297
	-0.18924	-2.02085	0.044857	0.392691
	0.28458	2.019807	0.044966	0.393032
SNORD3B-1	0.132903	2.016727	0.04529	0.393615
	0.458762	2.020078	0.044938	0.392917
RHBDF2	-0.24223	-2.02288	0.044645	0.392086
	0.155211	2.018639	0.045089	0.393222

	-0.24701	-2.01963	0.044985	0.393076
	0.217427	2.020281	0.044917	0.392839
	0.21802	2.016251	0.045341	0.393702
	0.250672	2.015432	0.045427	0.393887
ZDHHC14;EZR	0.222599	2.023946	0.044534	0.391856
	0.250689	2.020696	0.044873	0.392718
	0.145601	2.016665	0.045297	0.393615
ERBB3;DNAJC14;PTGES3;ARHGAP9;ITGA7;BAZ2A	-0.30515	-2.01943	0.045006	0.393114
	0.214396	2.02029	0.044916	0.392839
LPCAT1;PDCD6;TPPP	-0.22844	-2.01782	0.045175	0.393339
	0.183006	2.024214	0.044506	0.391828
	-0.25493	-2.01846	0.045108	0.393234
	0.155785	2.016139	0.045353	0.393752
SNORD109A	-0.16247	-2.01726	0.045235	0.393434
	-0.20671	-2.02139	0.0448	0.392547
	-0.28779	-2.02624	0.044296	0.391212
	0.290738	2.019513	0.044997	0.393114
	-0.24247	-2.0116	0.045835	0.394844
	0.102193	2.016229	0.045343	0.393709
	0.247227	2.019335	0.045016	0.393118
CYTH4;GTPBP1;CBX6	-0.20041	-2.01529	0.045443	0.39393
	0.166966	2.020953	0.044846	0.392676
SNORA74A;CTNNA1	-0.19469	-2.02169	0.044769	0.392408
	-0.17007	-2.01993	0.044954	0.392994
ENSG00000232637	-0.28623	-2.01731	0.045229	0.393416
	-0.18931	-2.01656	0.045308	0.393651
	-0.33867	-2.01753	0.045206	0.393383
	0.140891	2.018888	0.045063	0.393164
	-0.1676	-2.01945	0.045004	0.393114
	-0.20092	-2.02038	0.044907	0.39281
FAM78A;FNBP1	0.316958	2.021001	0.044841	0.392665
	0.143521	2.019275	0.045022	0.393118
	0.170341	2.017819	0.045175	0.393339
	0.297817	2.021026	0.044839	0.392651
	-0.16724	-2.01607	0.045359	0.39376
	0.131861	2.009441	0.046065	0.395561
SACS	0.266313	2.021359	0.044804	0.392547
	0.142569	2.018238	0.045131	0.393266
	0.230583	2.015571	0.045413	0.393852
CEP104;DFFB;MEGF6	-0.20499	-2.02316	0.044616	0.392025
	-0.19878	-2.01737	0.045223	0.393416
	0.266182	2.021813	0.044757	0.392378
	0.186016	2.018982	0.045053	0.393155
	-0.2391	-2.01767	0.045191	0.393383
	-0.16178	-2.02096	0.044845	0.392676
	0.172879	2.021876	0.04475	0.392339
	0.211231	2.016683	0.045295	0.393615

	-0.1182	-2.01649	0.045316	0.393659
SCO1	0.20094	2.020861	0.044856	0.392691
LAD1;KIF21B;NAV1	-0.20566	-2.0207	0.044873	0.392718
	-0.2632	-2.01916	0.045034	0.393145
	0.157839	2.019096	0.045041	0.39315
FAU	0.17463	2.019543	0.044994	0.393114
RBP1	0.255174	2.022572	0.044677	0.392196
OSR1	0.257295	2.013721	0.045609	0.39432
	-0.11769	-2.01748	0.045211	0.393393
WDR45B;PCYT2;MAFG-AS1;NOTUM;TBCD;LRRC45	-0.28885	-2.01889	0.045063	0.393164
	-0.13862	-2.01741	0.045218	0.393411
	-0.23421	-2.02376	0.044554	0.391902
	0.166549	2.022159	0.04472	0.392294
	0.141585	2.018974	0.045054	0.393155
	0.193758	2.012856	0.045701	0.394651
	0.255568	2.019653	0.044983	0.393071
	0.257237	2.016282	0.045337	0.393695
	-0.15141	-2.01865	0.045088	0.393222
	-0.16092	-2.01749	0.04521	0.393393
	0.242537	2.019282	0.045022	0.393118
ENSG00000263264	-0.21375	-2.01266	0.045721	0.394675
	0.155899	2.020243	0.044921	0.392842
SERPINB9	0.342116	2.023607	0.044569	0.391927
	-0.20448	-2.0182	0.045135	0.393266
CALML3-AS1;AKR1C2	-0.42238	-2.01873	0.04508	0.393209
	-0.27067	-2.01764	0.045195	0.393383
CCDC88A;C2orf73;SMEK2;EML6;RPL23AP32;CLHC1;CCDC104	-0.35946	-2.02526	0.044397	0.391559
	0.248162	2.018128	0.045143	0.393275
ARHGAP15	-0.36644	-2.01892	0.045059	0.393164
	-0.29411	-2.01983	0.044964	0.393031
	0.163289	2.019197	0.04503	0.393138
	0.262786	2.019392	0.04501	0.393118
MAP4K1;PLEKHG2;PAF1	-0.26866	-2.02103	0.044839	0.392651
	0.335408	2.022797	0.044654	0.39212
	-0.17347	-2.01626	0.04534	0.393702
	-0.18001	-2.0185	0.045104	0.393234
	0.192311	2.023194	0.044612	0.392025
MLLT4	-0.28816	-2.01754	0.045204	0.393383
	-0.20726	-2.01928	0.045022	0.393118
	0.157807	2.015104	0.045462	0.393976
	0.222123	2.020331	0.044912	0.392824
	0.272968	2.019853	0.044962	0.393019
GLTSCR1L	0.182689	2.011791	0.045814	0.394792
	-0.18833	-2.02342	0.044589	0.391975
FRMPD2;CTGLF12P;C10orf128	0.220869	2.020749	0.044868	0.392715
	0.183813	2.021149	0.044826	0.392611

	0.182134	2.022302	0.044705	0.392247
PLEKHA7;INSC	0.292076	2.019873	0.04496	0.393008
	-0.32856	-2.02109	0.044832	0.392617
	-0.13439	-2.01117	0.04588	0.394988
TOPBP1	-0.36826	-2.01759	0.0452	0.393383
	-0.16622	-2.0162	0.045346	0.393719
	0.130227	2.01537	0.045434	0.393913
	-0.10279	-2.01256	0.045732	0.394675
	-0.2192	-2.02196	0.044742	0.392303
ENSG00000235096	-0.1671	-2.01681	0.045281	0.393593
	0.230211	2.013783	0.045602	0.394312
	0.216483	2.022899	0.044643	0.392086
DOC2B	0.199597	2.022484	0.044686	0.392207
	0.183973	2.019671	0.044981	0.393069
CEP89;ENSG00000266930	-0.25578	-2.01812	0.045144	0.393275
	0.232974	2.019425	0.045007	0.393114
TRPM2	0.246838	2.02256	0.044679	0.392196
ADAM12	0.268386	2.022011	0.044736	0.392303
	-0.33033	-2.02291	0.044642	0.392086
	0.180895	2.022716	0.044662	0.392158
	0.170233	2.017941	0.045163	0.393319
	0.250636	2.019692	0.044979	0.393069
DNAL1;LTBP2;FCF1;ISCA2;CCDC176;PNMA1;DPF3;PAPLN;ELMS				
AN1;PTGR2;ENTPD5;FAM161B	-0.21545	-2.01431	0.045546	0.394219
RINT1;KMT2E;CDHR3;EFCAB10;RELN	-0.39624	-2.01855	0.045099	0.393222
	0.203683	2.023712	0.044558	0.391915
ZDHHC13	-0.36137	-2.01594	0.045374	0.393809
NTAN1;ERCC4;NOMO1;ABCC6P2	-0.22948	-2.01974	0.044974	0.393046
	0.162395	2.020928	0.044849	0.392677
TRAPPC2L	0.183242	2.009031	0.046109	0.395618
TAP1;TAP2;TAPSAR1;PSMB9;HLA-DMB;GPSM3;TAPBP	0.350413	2.0199	0.044957	0.393001
	-0.15739	-2.01597	0.045371	0.393791
	-0.24287	-2.02213	0.044724	0.392294
IFNG-AS1;MDM1	-0.36189	-2.01463	0.045513	0.39416
	-0.24787	-2.01918	0.045032	0.393143
	0.221824	2.019044	0.045047	0.39315
	-0.10134	-2.00777	0.046244	0.395952
	0.167231	2.01775	0.045183	0.393366
	-0.15995	-2.01784	0.045173	0.393339
	-0.16158	-2.01172	0.045821	0.394792
	-0.13444	-2.01805	0.045152	0.393289
	-0.1536	-2.016	0.045367	0.393782
	-0.20029	-2.01852	0.045102	0.393233
	0.1492	2.012317	0.045758	0.394675
	0.22546	2.019415	0.045008	0.393114
LINC01132	0.372214	2.017994	0.045157	0.393299
	0.242989	2.020514	0.044892	0.392774

LINC00920	0.165578	2.021944	0.044743	0.392303
NXPH3;COL1A1;SGCA;ANKRD40;LRRC59;CACNA1G;SLC35B1;M				
BTD1	0.232024	2.012393	0.04575	0.394675
	0.172163	2.018564	0.045097	0.393222
RPS21	-0.19551	-2.02027	0.044917	0.392839
	-0.19524	-2.01831	0.045124	0.393266
	0.333298	2.020937	0.044848	0.392676
	-0.18909	-2.02012	0.044933	0.392908
	0.250313	2.017637	0.045195	0.393383
	-0.24917	-2.0222	0.044716	0.392294
	-0.19249	-2.0157	0.045399	0.393835
	-0.17968	-2.01949	0.044999	0.393114
	-0.39053	-2.02162	0.044776	0.392436
	0.185724	2.020089	0.044937	0.392915
	0.164899	2.017142	0.045247	0.393438
	-0.20442	-2.01361	0.045621	0.394379
	0.201001	2.021602	0.044779	0.392443
	-0.2802	-2.02396	0.044533	0.391856
	0.21705	2.01068	0.045932	0.395191
PRIM2	0.208631	2.012509	0.045737	0.394675
	-0.26584	-2.01699	0.045263	0.393526
KANSL1-AS1;LRRC37A4P	0.312009	2.016403	0.045325	0.393687
	-0.20092	-2.0163	0.045336	0.393693
SLC50A1;MUC1;PEAR1;MEF2D;SMG5	0.172959	2.017892	0.045168	0.393339
CALD1;CNOT4	0.25489	2.019464	0.045002	0.393114
	0.192164	2.018477	0.045106	0.393234
	0.283049	2.020805	0.044862	0.392709
	0.22496	2.023166	0.044615	0.392025
PTCHD3P1	0.297864	2.01573	0.045396	0.393835
GATAD1	0.288849	2.017552	0.045204	0.393383
DNAJA4;WDR61;ACSBG1;PSTPIP1;SCAPER;TSPAN3	-0.24495	-2.01856	0.045098	0.393222
	0.224652	2.018845	0.045067	0.39318
	0.101418	2.020133	0.044932	0.392908
ENSG00000235245;MTG1;ENSG00000214279;SPRN	0.200137	2.013993	0.04558	0.394297
KCTD1;CHST9;AQP4;AQP4-AS1;ENSG00000264151	-0.31283	-2.01267	0.045721	0.394675
	-0.16067	-2.01633	0.045332	0.393693
	-0.13855	-2.01347	0.045635	0.394399
	-0.2391	-2.01791	0.045165	0.393328
TANC2;ERN1;CD79B;MAP3K3	-0.20518	-2.02333	0.044598	0.392015
	-0.11956	-2.01433	0.045544	0.394219
HOXB-AS2	-0.45249	-2.01542	0.045429	0.393887
	0.151149	2.015551	0.045415	0.393852
ANXA4;ARHGAP25;AAK1;ENSG00000188971;NFU1	-0.30075	-2.01794	0.045162	0.393319
CPXM2	-0.2533	-2.01504	0.045468	0.393998
AP1M2;COL5A3;ICAM1;KANK2;PDE4A	0.230706	2.017919	0.045165	0.393328
TPPP;PDCD6;TRIP13	-0.27122	-2.01858	0.045095	0.393222
	-0.31139	-2.01639	0.045326	0.393687

	0.247351	2.012332	0.045756	0.394675
	0.107699	2.020721	0.044871	0.392715
	0.200118	2.018413	0.045113	0.393255
SERPINB1;GMDS;SERPINB6;RIPK1	-0.47835	-2.01912	0.045038	0.393147
	0.151535	2.012368	0.045752	0.394675
	0.19034	2.017241	0.045236	0.393434
EGFL7	-0.1876	-2.01891	0.045061	0.393164
ENSG00000231980	0.312363	2.016414	0.045324	0.393687
YKT6	-0.12357	-2.01297	0.045689	0.394606
TINAGL1;MARCKSL1;DCDC2B;MTMR9LP;LCK;FNDC5	-0.35234	-2.02076	0.044867	0.392715
	0.204715	2.018466	0.045107	0.393234
STRADA	0.129335	2.013809	0.045599	0.394312
FYB	-0.25308	-2.02253	0.044682	0.392203
	0.310441	2.018217	0.045133	0.393266
SRGAP3;PRRT3-AS1;SEC13	-0.12743	-2.01222	0.045768	0.394675
SLC44A4	-0.19638	-2.00628	0.046405	0.396289
	-0.18683	-2.02039	0.044906	0.39281
PREX2	0.214238	2.012825	0.045704	0.394651
	0.094849	2.014878	0.045486	0.394046
	-0.14148	-2.0169	0.045272	0.393577
LSG1	-0.40469	-2.01536	0.045435	0.393913
ABAT;USP7	-0.2304	-2.01557	0.045413	0.393852
	0.202694	2.010314	0.045972	0.395239
	0.221636	2.014848	0.045489	0.394051
MEG3	-0.28255	-2.01602	0.045366	0.39378
BCL11A	0.209021	2.016741	0.045289	0.393615
	0.53911	2.022312	0.044704	0.392247
E2F1	0.21694	2.019511	0.044998	0.393114
	0.186879	2.022566	0.044678	0.392196
RFWD3	0.238444	2.01082	0.045917	0.395111
	-0.15184	-2.01408	0.045571	0.394297
	0.126097	2.014672	0.045508	0.394148
DYNC2H1;KIAA1377	-0.28976	-2.00906	0.046106	0.395618
	-0.13846	-2.01682	0.045281	0.393593
	0.162001	2.017383	0.045221	0.393416
	-0.20045	-2.01655	0.045309	0.393651
	-0.19763	-2.01282	0.045704	0.394651
SFXN2	0.191608	2.012605	0.045727	0.394675
	0.166519	2.019257	0.045024	0.393118
	0.217702	2.01552	0.045418	0.393859
	0.213889	2.015128	0.04546	0.393966
	0.110097	2.01933	0.045017	0.393118
	0.274198	2.015489	0.045421	0.393878
	-0.22423	-2.01748	0.045212	0.393393
	0.18591	2.015241	0.045448	0.393931
	0.367744	2.00957	0.046051	0.395544
	-0.13759	-2.01526	0.045446	0.393931

	-0.29701	-2.01765	0.045194	0.393383
	0.181146	2.014011	0.045578	0.394297
ENSG00000237234;LAMA4;ENSG00000226440;ENSG0000027				
0661;ENSG00000271208;SLC16A10	0.261397	2.00792	0.046228	0.395951
C10orf113;CASC10	-0.31862	-2.0198	0.044967	0.393032
ENSG00000262370;ABCA3;IL32;ENSG00000261971	-0.23012	-2.01246	0.045743	0.394675
	0.250918	2.01838	0.045116	0.393261
	0.175142	2.01695	0.045267	0.393555
	0.248657	2.015177	0.045454	0.393934
	0.326964	2.021952	0.044742	0.392303
	-0.22651	-2.02069	0.044874	0.392718
TRMT1L	-0.17243	-2.02045	0.044899	0.39281
RPS24	0.146643	2.013576	0.045624	0.394379
	-0.17665	-2.01946	0.045003	0.393114
JAK3;FCHO1;COLGALT1	-0.18282	-2.01443	0.045533	0.394219
IL32;HN1L;ENSG00000261971;ECI1;ENSG00000262370	-0.17866	-2.01686	0.045276	0.393584
	0.230703	2.0165	0.045314	0.393657
	-0.19171	-2.01645	0.04532	0.393677
	-0.36543	-2.01906	0.045045	0.39315
AP3B1	-0.20199	-2.01165	0.045829	0.394811
	0.190557	2.019011	0.04505	0.393155
	-0.20616	-2.02118	0.044823	0.392611
	0.195471	2.016913	0.045271	0.393574
	0.164378	2.020381	0.044906	0.39281
	0.280196	2.017324	0.045227	0.393416
	-0.21975	-2.0175	0.045209	0.393393
IFT20;MYO18A;NLK;SUPT6H;TIAF1;TRAF4;TLCD1;LYRM9	-0.37208	-2.01448	0.045528	0.394219
LSM2	0.218864	2.018712	0.045081	0.393209
DENND5A;STK33;C11orf16;TUB;SBF2;AKIP1;WEE1;ENSG00000				
255097;ASCL3	-0.29564	-2.01093	0.045906	0.395071
CLK4	0.217937	2.01905	0.045046	0.39315
	0.256826	1.995066	0.047626	0.399846
RASSF1;PRKAR2A-AS1	-0.15727	-2.01945	0.045004	0.393114
	0.164618	2.019108	0.04504	0.393147
	0.230107	2.018861	0.045066	0.39318
	0.239177	2.018718	0.045081	0.393209
	0.296267	2.020091	0.044937	0.392915
CTHRC1	-0.29628	-2.01373	0.045608	0.39432
	0.218264	2.019747	0.044973	0.393046
C12orf68;FMNL3;ENSG00000258334;KCNH3	-0.18126	-2.01957	0.044991	0.393114
	-0.18478	-2.01666	0.045297	0.393615
RASGRF2	-0.24344	-2.01231	0.045758	0.394675
	0.185219	2.017271	0.045233	0.393434
	0.186326	2.013659	0.045615	0.394355
	0.22296	2.020053	0.044941	0.392918
	-0.12902	-2.0152	0.045452	0.393931
	0.132479	2.018475	0.045106	0.393234

PSMG3;FTSJ2	0.220959	2.017805	0.045177	0.393339
	0.284161	2.020723	0.04487	0.392715
TSPAN8	0.221967	2.013529	0.045629	0.394397
CNNM2;C10orf95;NFKB2;BTRC;DPCD;TRIM8;PCGF6	-0.26126	-2.01785	0.045172	0.393339
RALGPS1;C9orf117;TTC16;DNM1;COQ4;ODF2;CERCAM;ST6GAL NAC6;LRRC8A	-0.17268	-2.01533	0.045438	0.393913
	-0.1804	-2.01622	0.045344	0.393709
	0.209997	2.014982	0.045475	0.394016
SNORD3A;EPN2-AS1;SNORD3D	-0.25454	-2.02239	0.044696	0.39223
	0.158111	2.012971	0.045688	0.394606
	-0.14397	-2.01758	0.045201	0.393383
	0.207942	2.016054	0.045362	0.393761
	-0.11491	-2.0086	0.046155	0.395705
	-0.19181	-2.01092	0.045907	0.395071
	-0.20023	-2.0132	0.045664	0.394499
	-0.12352	-2.01252	0.045736	0.394675
	-0.24422	-2.0158	0.045388	0.393835
ABLIM2	-0.2363	-2.01992	0.044954	0.392994
	0.18993	2.017445	0.045215	0.393398
	0.204288	2.009353	0.046074	0.395598
FNDC5;MTMR9LP;DCDC2B;LCK;SYNC;CSMD2;S100PBP	-0.29857	-2.01279	0.045708	0.394657
	0.178104	2.018159	0.04514	0.393271
	0.246649	2.019569	0.044991	0.393114
	0.222592	2.01869	0.045084	0.393209
	0.13166	2.016519	0.045312	0.393657
	-0.17746	-2.01338	0.045645	0.394438
	0.129161	2.017317	0.045228	0.393416
	0.300044	2.016081	0.045359	0.39376
	0.119417	2.007496	0.046274	0.396021
PRR7	0.291606	2.016303	0.045335	0.393693
	-0.17741	-2.01834	0.04512	0.393264
	-0.17796	-2.0152	0.045452	0.393931
	0.145201	2.014705	0.045504	0.394126
	0.528102	2.008643	0.04615	0.395705
	-0.25812	-2.01908	0.045043	0.39315
C1orf56;POGZ	-0.14991	-2.01298	0.045688	0.394606
ELN	0.300325	2.019109	0.04504	0.393147
ENSG00000222012;ENSG00000233038	0.250334	2.017186	0.045242	0.393434
C14orf119	0.158401	2.019222	0.045028	0.393131
ZNF697	-0.21119	-2.0143	0.045547	0.394219
	0.238124	2.012446	0.045744	0.394675
	0.236838	2.013815	0.045599	0.394312
	-0.15352	-2.01525	0.045447	0.393931
	-0.14492	-2.0144	0.045537	0.394219
	0.293201	2.021297	0.04481	0.392548
	0.206079	2.0115	0.045845	0.394861
	0.142768	2.016458	0.045319	0.393677

	0.176652	2.013399	0.045643	0.394438
	-0.13748	-2.01578	0.045391	0.393835
	0.1462	2.016384	0.045327	0.393687
	-0.15278	-2.01129	0.045868	0.394945
	-0.15542	-2.01801	0.045155	0.393299
	0.236728	2.016839	0.045279	0.393584
	0.187094	2.017465	0.045213	0.393395
MGP;RERG	0.249238	2.018619	0.045091	0.393222
	-0.21789	-2.01797	0.045159	0.393304
	-0.19937	-2.01439	0.045537	0.394219
KIAA0125;AHNAK2	-0.19145	-2.01154	0.04584	0.394853
	-0.14133	-2.0195	0.044998	0.393114
LINC00963;WDR34;PKN3;FNBP1;CRAT;TBC1D13;HMCN2;SPTA N1;DOLK	-0.21839	-2.01187	0.045805	0.39474
	-0.27525	-2.0184	0.045114	0.393255
	0.15035	2.007041	0.046322	0.396108
	-0.30319	-2.01196	0.045796	0.394709
	-0.17633	-2.01192	0.045801	0.394734
PRF1	0.245133	2.018846	0.045067	0.39318
	0.192093	2.02054	0.04489	0.392769
	0.155807	2.01818	0.045137	0.393268
STMN3;SOX18;ZBTB46;ENSG00000267848;RTEL1-TNFRSF6B;RGS19;SLC17A9	-0.19116	-2.01398	0.045581	0.394297
	0.114405	2.016795	0.045283	0.393601
	-0.2178	-2.01714	0.045247	0.393438
WDR59	-0.14382	-2.01781	0.045176	0.393339
DNAJB1	-0.33989	-2.01944	0.045005	0.393114
	0.15258	2.016646	0.045299	0.393615
PSMG3;GNA12;IQCE	0.231496	2.013237	0.04566	0.394499
	0.135485	2.013772	0.045603	0.394312
	0.136899	2.016694	0.045294	0.393615
SKI;MXRA8;SAMD11;SSU72;ANKRD65;RNF223;VWA1;ENSG000 00223764;LINC01128;ENSG00000272106	-0.1638	-2.01414	0.045564	0.394291
	0.205184	2.014328	0.045544	0.394219
	0.157779	2.016132	0.045353	0.393752
	0.227928	2.013301	0.045653	0.39449
ATP8B2;SHE;TDRD10;INTS3;ENSG00000232093;DENND4B	0.258854	2.010335	0.045969	0.395239
CACNA1C-AS4;TSPAN9;CACNA1C	0.331948	2.016186	0.045348	0.393727
TOP1	0.288714	2.015903	0.045378	0.393821
	-0.24691	-2.02029	0.044916	0.392839
	0.231843	2.009108	0.046101	0.395618
	-0.26062	-2.01812	0.045143	0.393275
	0.173804	2.016348	0.04533	0.393693
SYNRG	0.286706	2.017823	0.045175	0.393339
	0.1391	2.012054	0.045786	0.394678

SLAMF1;CD84;USP21;SLAMF6;LY9;FCGR2B;PPOX;CD48;SLAMF7;HSPA7;FCGR2C;TSTD1;PVRL4;PEA15;F11R	0.192528	2.013888	0.045591	0.394312
	0.110943	2.008496	0.046166	0.39577
	0.175404	2.012319	0.045758	0.394675
HCP5;HLA-DMB;HLA-DMA;TAP1;HLA-B;HLA-DOA;HLA-C;HLA-DRA;HLA-DPB1;TAP2;HSPA1B;TAPSAR1;HSPA1A;GPSM3;RPL32P1;PSMB9;LST1	0.263006	2.018288	0.045126	0.393266
ZNF423;NKD1;ENSG00000260029	0.315137	2.019334	0.045016	0.393118
	0.134621	2.014333	0.045544	0.394219
	-0.16059	-2.01445	0.045531	0.394219
	0.104902	2.013794	0.045601	0.394312
	0.204051	2.01871	0.045082	0.393209
ANKRD65;C1orf222	-0.28568	-2.02005	0.044941	0.392918
TMEM59;PODN;YIPF1;SLC1A7;HSPB11;ENSG00000270172	0.222291	2.015197	0.045452	0.393931
	-0.2655	-2.00984	0.046022	0.395444
	-0.28969	-2.01906	0.045045	0.39315
	0.215978	2.018097	0.045146	0.393276
	-0.13619	-2.01357	0.045625	0.394379
	-0.1929	-2.01825	0.04513	0.393266
RNU4ATAC16P	0.213219	2.018582	0.045095	0.393222
	-0.25296	-2.01297	0.045689	0.394606
	0.158702	2.013945	0.045585	0.394297
	0.297731	2.017774	0.04518	0.393352
GLTSCR1L	0.252819	2.012598	0.045728	0.394675
	0.104343	2.017321	0.045228	0.393416
STK4;ADA	-0.2555	-2.01858	0.045096	0.393222
	-0.20698	-2.01568	0.045401	0.393837
ICAM1;KANK2;COL5A3;AP1M2;TMED1;ENSG00000175898;SMARCA4;PIN1	0.201855	2.006412	0.04639	0.396267
ASPA;TRPV3	0.192351	2.012387	0.04575	0.394675
	-0.24172	-2.00864	0.046151	0.395705
	-0.16625	-2.01301	0.045684	0.394606
	0.249869	2.016153	0.045351	0.39375
	0.185046	2.013983	0.045581	0.394297
COL5A3;KANK2;AP1M2;DOCK6;CNN1;CDKN2D;RGL3	0.2817	2.014472	0.045529	0.394219
ACACB;ENSG00000256139;MYO1H	-0.16045	-2.01838	0.045117	0.393261
	-0.21529	-2.02089	0.044853	0.392686
MTO1	0.264865	2.016721	0.045291	0.393615
	0.258123	2.016071	0.04536	0.39376
CCDC88A	-0.26154	-2.01755	0.045204	0.393383
	-0.16807	-2.01188	0.045804	0.39474
	0.213879	2.010724	0.045928	0.395176
	-0.19505	-2.01435	0.045542	0.394219
	-0.25406	-2.01629	0.045336	0.393693
	-0.13067	-2.01053	0.045948	0.395211

	0.142126	2.015611	0.045408	0.393852
	-0.19553	-2.01024	0.04598	0.395281
	-0.12337	-2.01724	0.045237	0.393434
	0.220904	2.014288	0.045549	0.394222
	0.17548	2.012431	0.045746	0.394675
	0.229061	2.008171	0.046201	0.39587
CECR7	-0.25622	-2.01181	0.045812	0.394791
SURF4	-0.14392	-2.01464	0.045511	0.394154
AURKB;CLDN7;MPDU1	0.201426	2.014242	0.045553	0.394249
GIMAP2;GIMAP5;ATG9B	0.224501	2.017129	0.045248	0.393438
	0.259236	2.014133	0.045565	0.394293
	0.206124	2.011059	0.045892	0.395019
MRPL23	0.390154	2.017335	0.045226	0.393416
TMC8;TMC6	-0.3072	-2.0136	0.045622	0.394379
	0.131734	2.012338	0.045756	0.394675
	0.232265	2.020529	0.044891	0.392769
	-0.24078	-2.01667	0.045297	0.393615
ENSG00000257743	-0.26481	-2.01141	0.045855	0.394891
	0.218985	2.013499	0.045632	0.394397
	-0.26884	-2.01577	0.045392	0.393835
	0.284986	2.017169	0.045244	0.393438
	-0.30487	-2.014	0.045579	0.394297
TMEM208	0.132338	2.016378	0.045327	0.393687
	0.245624	2.011757	0.045818	0.394792
	-0.29619	-2.01391	0.045589	0.394312
	0.16129	2.014664	0.045509	0.394148
	0.295423	2.016654	0.045298	0.393615
GTF3C1;KIAA0556	0.215258	2.011177	0.045879	0.394988
GLIS2;CDIP1;SRL;SMIM22;VASN;C16orf71	-0.21155	-2.0124	0.045749	0.394675
	-0.30413	-2.01325	0.045658	0.394499
	0.259019	2.014322	0.045545	0.394219
FABP3	0.249312	2.011718	0.045822	0.394792
	-0.14862	-2.01253	0.045735	0.394675
	-0.25227	-2.0106	0.045941	0.395193
STXBP4	0.264473	2.012316	0.045758	0.394675
	0.212396	2.013375	0.045645	0.394438
KIF26A;INF2;EXOC3L4;C14orf2;ENSG00000260285;EIF5;TDRD9	-0.353	-2.01391	0.045589	0.394312
LRRC25	-0.25222	-2.00656	0.046374	0.396243
HCP5;GPSM3;HSPA1A;DDR1;LTB	-0.26367	-2.01423	0.045555	0.394254
	0.175601	2.014837	0.04549	0.394054
	-0.17889	-2.01589	0.045379	0.393821
	-0.14897	-2.01227	0.045763	0.394675
	-0.19919	-2.01809	0.045147	0.393276
	0.206855	2.015694	0.0454	0.393835
	0.17398	2.021335	0.044806	0.392548
	0.162464	2.009896	0.046016	0.395436

	0.212253	2.017339	0.045226	0.393416
PIK3C2B;LAX1	-0.2671	-2.01326	0.045658	0.394499
	0.209258	2.010584	0.045943	0.395193
	-0.15564	-2.01231	0.045759	0.394675
FBXO44;FBXO6;CLCN6;AGTRAP	0.477807	2.012605	0.045727	0.394675
	0.236047	2.014767	0.045498	0.394094
	0.178966	2.018213	0.045134	0.393266
	-0.15011	-2.01581	0.045387	0.393835
	0.198676	2.01213	0.045778	0.394675
CALM1;GPR68	-0.27634	-2.01684	0.045278	0.393584
TAP1;HLA-DMA;TAP2;RING1;HLA-DOA;HLA-DMB;TAPSAR1;PSMB9;TAPBP;HLA-DPB1;HSD17B8	-0.21786	-2.01874	0.045078	0.393209
	0.104334	2.00804	0.046215	0.395924
	0.127224	2.012207	0.04577	0.394675
	0.205394	2.011777	0.045815	0.394792
	-0.14836	-2.01201	0.04579	0.394696
	0.174957	2.008725	0.046142	0.395705
STRA13	0.20676	2.017148	0.045246	0.393438
NLRC5	0.195332	2.006973	0.04633	0.396108
	0.156207	2.012258	0.045764	0.394675
	0.200228	2.014413	0.045535	0.394219
	0.186953	2.014871	0.045487	0.394046
	-0.16288	-2.00498	0.046544	0.396664
PDLIM4;SOWAHA;SLC22A5;C5orf56;CCNI2;GDF9;ACSL6	-0.29127	-2.01831	0.045124	0.393266
GALNT16;KIAA0247;ENSG00000242941	-0.17988	-2.00919	0.046092	0.395618
	-0.47871	-1.98107	0.049188	0.403912
	-0.1511	-2.01684	0.045278	0.393584
	-0.14754	-2.014	0.045579	0.394297
	0.260527	2.017199	0.045241	0.393434
	-0.25939	-2.01787	0.04517	0.393339
	0.220797	2.016063	0.045361	0.39376
	0.188329	2.01722	0.045239	0.393434
	-0.22629	-2.01632	0.045333	0.393693
TMEM255B;GAS6	0.390602	2.013247	0.045659	0.394499
	-0.14007	-2.0152	0.045452	0.393931
	-0.11877	-2.01198	0.045794	0.394706
ZNF57;S1PR4;MATK;TJP3	0.274689	2.017525	0.045206	0.393383
	0.222555	2.015902	0.045378	0.393821
	0.157083	2.010601	0.045941	0.395193
RANBP10	-0.13196	-2.01756	0.045202	0.393383
	0.213539	2.016398	0.045325	0.393687
CSMD1;ENSG00000253853;ARHGEF10;CLN8	0.293564	2.010317	0.045971	0.395239
	0.204148	2.013164	0.045668	0.394511
	-0.33078	-2.00617	0.046416	0.3963
RARRES3;INTS5;TRMT112;POLR2G;FLRT1	-0.3315	-2.01052	0.045949	0.395211
HNRNPH1	0.237508	2.018436	0.04511	0.393249
STK10	0.143015	2.014851	0.045489	0.394051

COX16	0.22701	2.015313	0.04544	0.393921
	0.28575	2.015822	0.045386	0.393835
CEP85L;BRD7P3;ENSG00000216809	-0.2421	-2.00908	0.046104	0.395618
	-0.27837	-2.00746	0.046277	0.396021
	0.15588	2.004299	0.046618	0.396892
	-0.2635	-2.01433	0.045544	0.394219
	-0.30988	-2.01433	0.045544	0.394219
	-0.22178	-2.01434	0.045543	0.394219
CCDC125;MARVELD2;CDK7;OCLN	-0.30377	-2.01111	0.045886	0.395005
	0.210554	2.016744	0.045289	0.393615
	0.276296	2.018697	0.045083	0.393209
	-0.24283	-2.01555	0.045415	0.393852
	0.189015	2.014652	0.04551	0.394152
	-0.1618	-2.01754	0.045205	0.393383
	-0.19873	-2.01559	0.045411	0.393852
ENSG00000259087	0.305243	2.010891	0.04591	0.395071
	0.123868	2.009818	0.046025	0.395452
ID3	0.114042	2.005386	0.046501	0.396507
	-0.17104	-2.01524	0.045447	0.393931
	0.22485	2.015022	0.045471	0.393998
	0.153184	2.012974	0.045688	0.394606
	0.197341	2.014516	0.045524	0.394219
	0.166163	2.015424	0.045428	0.393887
OMA1	0.184324	2.008751	0.046139	0.395697
PPP1R18;TNXB;C4A;NOTCH4;GPSM3	-0.15648	-2.00698	0.046329	0.396108
NT5C3B	-0.28636	-2.01458	0.045517	0.394176
HES2;CAMTA1;CHD5	-0.26773	-2.00541	0.046498	0.396507
ITPKB;C1orf95;SRP9;H3F3A;PYCR2;ENSG00000234478	-0.35314	-2.0089	0.046123	0.395659
	-0.22567	-2.01625	0.045341	0.393702
MX1;TFF3;MX2	-0.27979	-2.01494	0.04548	0.394037
	-0.11481	-2.01245	0.045744	0.394675
NBEAL1	0.162662	2.012842	0.045702	0.394651
SP140;SP100	0.250992	2.017444	0.045215	0.393398
	-0.20409	-2.01471	0.045503	0.394126
	0.278128	2.013301	0.045653	0.39449
	-0.22197	-2.0166	0.045303	0.393632
	0.190688	2.013808	0.045599	0.394312
	0.127441	2.014891	0.045485	0.394046
	0.1572	2.003756	0.046677	0.397122
FAM83H-AS1;BAI1;RHPN1-AS1;FAM83H;MAPK15;LY6D;EXOSC4	-0.20775	-2.01054	0.045947	0.395211
	0.200764	2.017186	0.045242	0.393434
	-0.17936	-2.0182	0.045135	0.393266
	-0.25268	-2.01642	0.045323	0.393687
	0.218027	2.00819	0.046199	0.39587
	0.176527	2.013802	0.0456	0.394312
DAPK2	-0.24064	-2.01724	0.045236	0.393434

	0.100606	2.014116	0.045567	0.394297
	-0.12924	-2.01526	0.045446	0.393931
TDRP	0.227764	2.012569	0.045731	0.394675
	-0.17798	-2.00895	0.046117	0.395644
	0.258014	2.013506	0.045631	0.394397
	0.199691	2.012742	0.045713	0.394675
SH3BP2	-0.33317	-2.00957	0.046052	0.395544
	-0.12043	-2.01299	0.045686	0.394606
	-0.25602	-2.01256	0.045732	0.394675
TJP3	0.181227	2.012516	0.045737	0.394675
	0.261415	2.015761	0.045392	0.393835
	-0.25609	-2.01043	0.045959	0.395219
CACNA1A	0.14564	2.015021	0.045471	0.393998
	0.123047	2.013895	0.04559	0.394312
	0.098993	2.013736	0.045607	0.39432
	-0.1607	-2.00213	0.046853	0.397725
	0.240422	2.014889	0.045485	0.394046
	-0.18465	-2.01574	0.045395	0.393835
	-0.29119	-2.01582	0.045386	0.393835
	-0.18908	-2.01554	0.045415	0.393852
	-0.17135	-2.01607	0.04536	0.39376
	-0.21358	-2.01215	0.045776	0.394675
	-0.1334	-2.01327	0.045657	0.394499
SNORD3B-2;SNORD3B-1;SNORD3A	-0.23865	-2.0176	0.045199	0.393383
	0.125544	2.011586	0.045836	0.394845
ENSG00000227403	0.362686	2.013745	0.045606	0.39432
	0.145821	2.012109	0.04578	0.394675
FCRL3;PEAR1	0.259419	2.011022	0.045896	0.395021
TRANK1;ACVR2B	-0.21855	-2.01837	0.045117	0.393261
	-0.28575	-2.01448	0.045528	0.394219
	0.307853	2.013084	0.045676	0.394561
	0.312442	2.011154	0.045882	0.394996
	-0.19714	-2.01209	0.045782	0.394675
ZNF837;ENSG00000268912	0.23323	2.014305	0.045547	0.394219
	0.256424	2.013781	0.045602	0.394312
	0.270692	2.017523	0.045207	0.393383
	0.175342	2.014878	0.045486	0.394046
	0.259575	2.015333	0.045438	0.393913
	0.262785	2.015592	0.04541	0.393852
	-0.15988	-2.00902	0.04611	0.395618
	0.160704	2.014185	0.045559	0.394277
AFTPH;CEP68;SPRED2	-0.28647	-2.007	0.046327	0.396108
FOXL1;ENSG00000261175	0.254281	2.005502	0.046488	0.396474
PRKG1;ENSG00000226200	-0.33084	-2.00793	0.046227	0.395951
	0.218754	2.008228	0.046195	0.395866
ARHGAP44	-0.28311	-2.01399	0.04558	0.394297
	0.23686	2.013215	0.045662	0.394499

COPB2	0.281032	2.011328	0.045863	0.394916
KRT6A;KRT80;KRT4;ACVRL1;TENC1;GRASP;ESPL1;KRT8;KRT18;K				
RT6B	-0.39829	-2.01254	0.045734	0.394675
PAPOLA	-0.1591	-2.01032	0.045971	0.395239
	0.303288	2.016514	0.045313	0.393657
CHD7	-0.21378	-2.00409	0.04664	0.397002
	0.196715	2.001494	0.046922	0.397869
	-0.13716	-2.01059	0.045942	0.395193
	0.185944	2.010662	0.045934	0.395191
DLL4;RHOV;SPINT1;ENSG00000261183;C15orf52	-0.25517	-2.00875	0.046139	0.395697
	-0.16915	-2.01146	0.04585	0.394874
	-0.17385	-2.0061	0.046423	0.396328
	0.230021	2.014372	0.04554	0.394219
	-0.23516	-2.01501	0.045472	0.393998
	0.21341	2.010982	0.0459	0.395042
IGSF9B	0.213082	2.009695	0.046038	0.395506
	0.103085	2.013656	0.045616	0.394355
TPK1;FAM115C;ARHGEF35	-0.26311	-2.01387	0.045592	0.394312
CBR1;RUNX1	-0.30462	-2.0135	0.045632	0.394397
ELOVL5	0.246759	2.006215	0.046411	0.396298
	-0.26981	-2.01007	0.045998	0.395336
	0.255947	2.008768	0.046137	0.395697
	0.186541	2.010144	0.04599	0.39532
	0.20805	2.010527	0.045949	0.395211
	-0.16829	-2.01436	0.045541	0.394219
	-0.16022	-2.00755	0.046268	0.396011
	-0.16306	-2.01204	0.045787	0.394684
CDH23;PPA1;SGPL1;TSPAN15	-0.27424	-2.01349	0.045633	0.394397
ENSG00000255735	0.154925	2.012253	0.045765	0.394675
HCP5;PPP1R18;HLA-E;HSPA1A;HSPA1B;HLA-B;LTB	-0.21805	-2.01599	0.045368	0.393785
	0.159432	2.014453	0.045531	0.394219
	-0.21803	-2.00714	0.046311	0.396108
	-0.24415	-2.0122	0.04577	0.394675
TWIST2	0.21617	2.016639	0.0453	0.393615
	-0.30527	-2.01481	0.045493	0.394068
	-0.13324	-2.01355	0.045627	0.394391
	0.2725	2.013103	0.045674	0.394552
	0.162892	2.011434	0.045852	0.394882
MB21D2	0.193495	2.015573	0.045412	0.393852
SYS1;EPPIN;WFDC6;ZNF335;TOMM34;SLC35C2;SDC4;PKIG;PIG				
T	0.251259	2.012315	0.045758	0.394675
ENSG00000244300;GATA2	-0.23412	-2.00735	0.04629	0.396027
	-0.21566	-2.01145	0.04585	0.394874
	0.220635	2.006377	0.046394	0.396268
	-0.16903	-2.01137	0.045859	0.394913
TRIM7;SCGB3A1;FLT4	0.222969	2.015748	0.045394	0.393835
	-0.20587	-2.01395	0.045585	0.394297

	-0.17799	-2.01111	0.045887	0.395005
IQCA1	0.228888	2.006454	0.046386	0.396261
	0.208428	2.009579	0.04605	0.395544
SLC37A1;PDE9A;UBASH3A;ENSG00000225431;CBS;RSPH1;C21 orf128;TMPRSS3	-0.19137	-2.00972	0.046035	0.395494
	-0.26353	-2.0111	0.045888	0.395005
CD7;DCXR;C17orf62	-0.23103	-2.01518	0.045454	0.393934
	0.223043	2.011767	0.045816	0.394792
CREB3L2	0.320464	2.012792	0.045707	0.394657
	0.142899	2.016891	0.045273	0.393577
STEAP3;TMEM37;DBI	-0.26324	-2.00764	0.046258	0.396
	0.257529	2.00864	0.046151	0.395705
POLR2G	-0.175	-2.01255	0.045734	0.394675
	-0.18966	-2.00776	0.046245	0.395952
SCEL	0.28635	2.015301	0.045441	0.393923
	0.253478	2.0046	0.046586	0.396794
DIAPH1	0.26728	2.012792	0.045707	0.394657
	0.201768	2.012104	0.045781	0.394675
	-0.22535	-2.01582	0.045386	0.393835
	-0.18418	-2.01289	0.045697	0.394651
	0.132094	2.01403	0.045576	0.394297
	-0.2011	-2.00964	0.046044	0.395521
	0.233737	2.008634	0.046151	0.395705
CTTN	0.226657	2.015427	0.045428	0.393887
	-0.14048	-2.01117	0.04588	0.394988
CD248	-0.22776	-2.0065	0.046381	0.396244
	0.188805	2.013578	0.045624	0.394379
WDR3;ATP1A1;SPAG17	-0.24982	-2.00954	0.046055	0.395544
	-0.26311	-2.00884	0.04613	0.395672
	0.231194	2.010152	0.045989	0.39532
ALDH1A3	0.190638	2.016108	0.045356	0.39376
	-0.25916	-2.00662	0.046368	0.396211
C6orf132;ENSG00000261068	-0.23945	-2.01652	0.045313	0.393657
	-0.21815	-2.01816	0.045139	0.393271
RNF166	0.36031	2.014452	0.045531	0.394219
FAM115C	-0.32389	-2.01397	0.045582	0.394297
	0.310717	2.013871	0.045593	0.394312
	0.166743	2.009405	0.046069	0.395561
	0.244247	2.013208	0.045663	0.394499
	0.150775	2.011278	0.045869	0.394946
	0.127945	2.013583	0.045623	0.394379
	0.196042	2.016648	0.045299	0.393615
	-0.23421	-2.00221	0.046844	0.397682
	-0.1855	-2.01046	0.045956	0.395219
FAM227A	0.160728	2.014146	0.045564	0.394291
	0.172317	2.015124	0.04546	0.393966
	-0.32163	-2.00535	0.046504	0.396508

	0.195504	2.011557	0.045839	0.394851
	-0.22218	-2.01569	0.0454	0.393835
TSTD1;UFC1;MPZ;F11R;C1orf192;SDHC;PPOX;KLHDC9;PVRL4;USP21;ENSG00000213080;ATP1A2;OLFML2B;ADAMTS4;PEA15;PEX19;NCSTN	-0.27861	-2.00735	0.04629	0.396027
TMC8;TMC6	0.295895	2.013417	0.045641	0.394438
	0.175843	2.011656	0.045828	0.394811
ROR1;ENSG00000226891;ENSG00000224570;LEPR;ENSG00000223949;PDE4B;AK4	-0.31496	-2.00839	0.046178	0.395818
TAL1;TSPAN1	-0.31763	-2.01219	0.045772	0.394675
	0.156096	2.01507	0.045466	0.393993
	0.210036	2.01533	0.045438	0.393913
	-0.26001	-2.01507	0.045466	0.393993
	0.183185	2.011331	0.045863	0.394916
STARD5	0.290657	2.014051	0.045574	0.394297
	-0.2493	-2.0158	0.045388	0.393835
	0.121255	2.008876	0.046125	0.395666
	-0.33654	-2.01264	0.045723	0.394675
ELN;WBSCR22;ABHD11;NCF1;TBL2	-0.29851	-2.01289	0.045697	0.394651
CD14	0.150901	2.004848	0.046559	0.39671
	-0.27717	-2.01175	0.045818	0.394792
	0.272279	2.012571	0.045731	0.394675
	0.183233	2.014199	0.045558	0.394272
RPS17L	-0.24996	-2.0171	0.045251	0.39345
ATP6V0A1	-0.25159	-2.00677	0.046351	0.396162
	0.214325	2.008479	0.046168	0.395771
	0.21941	2.007453	0.046278	0.396021
	0.190234	2.005741	0.046463	0.396432
NBEA;MAB21L1	0.301083	2.00605	0.046429	0.396331
	-0.23411	-2.00912	0.046099	0.395618
	0.349141	2.014101	0.045568	0.394297
ZHX3	0.184983	2.011348	0.045861	0.394913
RASGRP1	0.33128	2.016568	0.045307	0.393651
	0.243541	2.013803	0.0456	0.394312
HIC2;RANBP1;ZDHHC8	0.1958	2.014032	0.045576	0.394297
	0.10967	2.006383	0.046393	0.396268
	0.222203	2.010196	0.045984	0.395303
	0.227464	2.015719	0.045397	0.393835
	-0.16182	-2.01036	0.045966	0.395239
	0.125083	2.014909	0.045483	0.394046
	0.156294	2.013152	0.045669	0.394514
SOX8;ENSG00000260807;NME4;RGS11;ENSG00000261659;MSLN	-0.2205	-2.01006	0.045999	0.395336
	-0.17863	-2.00756	0.046267	0.396011
	-0.24891	-2.01417	0.045561	0.394283
CKMT2	0.196616	2.013628	0.045619	0.394373
ACTG2;RAB11FIP5;DQX1;BOLA3;DGUOK;EXOC6B	-0.12959	-2.0101	0.045995	0.395331

FMO4	-0.14988	-2.00334	0.046722	0.397307
	0.200117	2.012216	0.045769	0.394675
PCA3	-0.17599	-2.00744	0.046279	0.396021
	0.109459	2.013255	0.045658	0.394499
	0.168244	2.012185	0.045772	0.394675
	-0.24422	-2.01176	0.045817	0.394792
	-0.34661	-2.01434	0.045543	0.394219
	0.152886	2.008968	0.046116	0.395644
	-0.23331	-2.00599	0.046436	0.396345
	-0.16293	-2.00674	0.046355	0.396173
	0.155423	2.010324	0.04597	0.395239
	-0.16495	-2.00877	0.046137	0.395697
	0.197636	2.011736	0.04582	0.394792
SAMD5	-0.27739	-2.0117	0.045824	0.394792
	0.122357	2.012264	0.045764	0.394675
BUD31;BAIAP2L1;RPS3AP26;ZKSCAN1;ZNF3	-0.24857	-2.00794	0.046226	0.395951
	-0.17384	-2.01224	0.045766	0.394675
AHNAK2;IGHA1;KIAA0125;IGHA2;IGHM;IGHG2;IGHJ3P;IGHG1	-0.22046	-2.00359	0.046695	0.397176
	0.203608	2.014613	0.045514	0.394163
C22orf34;MAPK12;SHANK3;ENSG00000235111;MAPK11;ENSG00000213279	-0.26266	-2.01027	0.045977	0.395263
SLC2A10;TP53RK;DNTTIP1;WFDC3;SLC13A3;ZMYND8	-0.31336	-2.01007	0.045998	0.395336
	0.204324	2.009044	0.046107	0.395618
	0.176697	2.00391	0.04666	0.397067
	0.145963	2.014325	0.045545	0.394219
	-0.19231	-2.00663	0.046366	0.396211
	-0.17027	-2.00442	0.046605	0.396828
RPL21P75	0.29196	2.01034	0.045969	0.395239
	0.262665	2.011078	0.04589	0.395015
	0.207516	2.01207	0.045784	0.394677
	0.192861	2.015872	0.045381	0.393831
	0.130626	2.004058	0.046644	0.397002
C11orf30	-0.14966	-2.00836	0.046181	0.395818
	0.104049	2.013402	0.045643	0.394438
	0.144555	2.011964	0.045795	0.394709
	1.210604	2.011981	0.045794	0.394706
	0.243833	2.007694	0.046252	0.395968
FSCN1	0.208736	2.00968	0.046039	0.395506
	0.267949	2.01216	0.045775	0.394675
	0.174988	2.006888	0.046339	0.396138
	-0.20977	-2.01501	0.045472	0.393998
CSGALNACT1	0.274509	2.011236	0.045873	0.394968
	0.172563	2.011051	0.045893	0.395019
	0.106876	2.008617	0.046153	0.395705

C16orf93;CDIPT;SETD1A;MVP;ENSG00000261690;GDPD3;PHKG2;TMEM219;SEZ6L2;PRSS53;HSD3B7;ZNF688;PRR14;DOC2A	-0.20838	-2.01266	0.045721	0.394675
	0.118412	2.009835	0.046023	0.395444
CRNDE;IRX5;IRX3;RPGRIP1L	0.197116	2.006919	0.046336	0.396133
	-0.21085	-2.00907	0.046104	0.395618
	-0.21621	-2.01213	0.045778	0.394675
	0.222636	2.011037	0.045894	0.395021
	-0.3164	-2.01113	0.045884	0.395
	-0.16377	-2.0132	0.045664	0.394499
	0.132062	2.009339	0.046076	0.395599
	0.309709	2.012264	0.045764	0.394675
	0.145098	2.01292	0.045694	0.394641
	0.166263	2.013857	0.045594	0.394312
	0.186324	2.011491	0.045846	0.394862
	0.16619	2.010952	0.045903	0.395062
S100P	0.248125	2.010057	0.045999	0.395336
	0.102876	2.008349	0.046182	0.395818
LCP1;KIAA0226L	-0.29539	-2.00948	0.04606	0.395561
	0.513684	2.012996	0.045686	0.394606
GIMAP5;YBX1P4;GIMAP1	-0.14031	-2.01089	0.04591	0.395071
	-0.21695	-2.01163	0.045831	0.394821
CARD8	0.171765	2.014946	0.045479	0.394037
	0.193941	2.012491	0.045739	0.394675
	0.194341	2.013738	0.045607	0.39432
	-0.34961	-2.00819	0.046199	0.39587
	0.226829	2.002282	0.046837	0.397661
	-0.16747	-2.01223	0.045767	0.394675
	-0.11528	-2.01063	0.045937	0.395191
	0.168367	2.007745	0.046247	0.395952
	-0.20645	-2.01043	0.045959	0.395219
	0.274794	2.001651	0.046905	0.397808
	-0.15298	-2.00867	0.046147	0.395705
	-0.3067	-2.01043	0.04596	0.395219
	-0.24844	-2.00528	0.046512	0.396519
	1.097525	2.016912	0.045271	0.393574
	0.231665	2.009301	0.04608	0.395608
PTPN7;LAX1	0.286711	2.01459	0.045516	0.394176
	-0.22073	-2.00702	0.046325	0.396108
	0.237227	2.009411	0.046068	0.395561
	0.191799	2.008235	0.046194	0.395866
	-0.22844	-2.00956	0.046052	0.395544
SLC17A9	-0.13784	-2.01285	0.045701	0.394651
	0.167168	2.008007	0.046219	0.395933
	-0.13463	-2.0076	0.046262	0.396007
	0.236792	2.006507	0.04638	0.396244
PFKFB2;C1orf116	-0.27875	-2.01284	0.045703	0.394651

	-0.24598	-2.01212	0.045778	0.394675
SHANK2	-0.45787	-2.00957	0.046052	0.395544
CBL	0.22748	2.009465	0.046062	0.395561
MRPL27;LRRC59	-0.22551	-2.01265	0.045722	0.394675
	0.134456	2.004821	0.046562	0.39671
	0.19128	2.006022	0.046432	0.396341
	-0.11518	-2.00922	0.046089	0.395618
	0.195577	2.011192	0.045878	0.394988
	-0.13182	-2.01264	0.045724	0.394675
	-0.14119	-2.01047	0.045955	0.395219
ENSG00000249035;SPARC;SLC36A1;MYOZ3	0.186972	2.012682	0.045719	0.394675
	0.144785	2.012113	0.04578	0.394675
GRASP;TENC1;ACVRL1;KRT18;SMAGP;KRT8;KRT7;ENSG00000257337;CSAD	-0.24744	-2.0108	0.04592	0.395122
	-0.207	-2.0102	0.045984	0.395303
	0.153015	2.008901	0.046123	0.395659
	-0.17895	-2.01405	0.045574	0.394297
ENSG00000230922	-0.2055	-2.00949	0.04606	0.395561
ENSG00000214546	0.207073	2.003311	0.046725	0.39732
OSBPL2	0.19858	2.011133	0.045884	0.395
	0.179806	2.008838	0.04613	0.395672
	0.231496	2.008857	0.046127	0.395668
	0.178619	2.013222	0.045662	0.394499
IFT88;LATS2;MPHOSPH8	0.25551	2.012139	0.045777	0.394675
	-0.23101	-2.01136	0.04586	0.394913
	0.300516	2.012875	0.045699	0.394651
	-0.51883	-2.00951	0.046058	0.395555
	-0.18742	-2.00844	0.046172	0.395783
ZNF532;NARS;ATP8B1;MALT1;NEDD4L	-0.30857	-2.00979	0.046027	0.395467
LY75	-0.31236	-2.00637	0.046395	0.396268
AKIP1;C11orf16;STK33;TUB	0.17709	2.011574	0.045837	0.394848
	-0.19505	-2.0121	0.045781	0.394675
	0.135529	2.004957	0.046547	0.396672
	-0.15884	-2.00672	0.046357	0.396173
ENSG00000240859;PRKAR1B;SUN1;GPR146;ENSG00000242474;FAM20C	-0.16491	-2.00497	0.046546	0.396668
	0.189294	2.006505	0.04638	0.396244
PHLPP1;BCL2;SERPINB11	-0.36846	-2.00795	0.046224	0.395951
	0.102674	2.011515	0.045843	0.394855
CD40	-0.11167	-2.00145	0.046927	0.397869
	0.201099	2.011783	0.045815	0.394792
	0.246108	2.005616	0.046476	0.396474
	-0.17761	-2.00828	0.046189	0.395848
	0.224435	2.015586	0.045411	0.393852
SVIL;PTCHD3P1;KIAA1462	-0.2477	-2.0069	0.046338	0.396137
	-0.18207	-2.007	0.046327	0.396108
NME4;RAB11FIP3;TMEM204;CACNA1H;ABCA3;HN1L	-0.34305	-2.01065	0.045935	0.395191

	-0.25879	-2.01017	0.045987	0.39532
	-0.12448	-2.00581	0.046455	0.396406
DACT1	-0.27992	-2.01042	0.04596	0.395219
MRGPRF;UNC93B1;TBC1D10C;ALDH3B1;PITPNM1;GSTP1;ALDH3B2;FAM86C2P;ENSG00000255306	-0.21604	-2.00857	0.046159	0.39572
	-0.20577	-2.00972	0.046035	0.395494
	0.350199	1.999065	0.047187	0.398668
	-0.20943	-2.00487	0.046557	0.396706
	0.264737	2.012511	0.045737	0.394675
TIMP4	0.189307	2.008924	0.04612	0.395654
CERCAM;LRRC8A;TBC1D13;USP20;DNM1;ENSG00000227218	-0.20234	-2.01259	0.045729	0.394675
NBEA	0.197195	2.002455	0.046818	0.39761
	0.228394	2.00996	0.046009	0.395409
	-0.15183	-2.00234	0.046831	0.397645
	-0.18666	-2.00886	0.046127	0.395668
TAL1	-0.19741	-2.01071	0.045929	0.395183
	-0.26277	-2.01222	0.045768	0.394675
	0.15372	2.007907	0.046229	0.395951
	0.21018	2.011533	0.045841	0.394854
LST1;HLA-DMB;TAP1	0.123148	2.009772	0.04603	0.395479
	0.259453	2.008382	0.046178	0.395818
	-0.16116	-2.01231	0.045759	0.394675
	-0.11678	-2.00991	0.046014	0.395428
	-0.20836	-2.01377	0.045603	0.394312
	0.227172	2.009837	0.046023	0.395444
SGOL2;FZD7;AOX1;CASP8;NDUFB3;SPATS2L;TRAK2;NIF3L1;BZW1	-0.29805	-2.01171	0.045823	0.394792
	-0.16004	-2.00338	0.046717	0.397291
	0.172375	2.012567	0.045731	0.394675
	0.211202	2.009411	0.046068	0.395561
CRTC1;MAU2	-0.2224	-2.00677	0.046352	0.396162
CD163L1	-0.27569	-2.00893	0.04612	0.395654
	0.114555	2.011688	0.045825	0.394792
	-0.25954	-2.01122	0.045875	0.394978
	0.191931	2.010115	0.045993	0.39533
NEK5	0.231079	2.012598	0.045728	0.394675
IRF8	0.217296	2.002697	0.046792	0.397471
	-0.15087	-2.00781	0.04624	0.395951
	0.26	2.006867	0.046341	0.396142
	0.160936	2.010871	0.045912	0.39508
C6orf10;UQCC2	-0.25214	-2.01031	0.045972	0.395239
	-0.34658	-2.01396	0.045583	0.394297
WBSCR17	-0.28704	-2.00468	0.046577	0.396763
	-0.14094	-2.00941	0.046069	0.395561
	-0.2453	-2.00916	0.046095	0.395618
	-0.2317	-2.01141	0.045855	0.394891

KANK1;DMRT3;DOCK8	0.324331	2.005734	0.046463	0.396432
	0.650854	2.009672	0.04604	0.395506
RASA2	-0.28261	-2.0119	0.045802	0.394738
	0.256342	2.012064	0.045785	0.394677
DHRS9;NOSTRIN;ABCB11;CERS6	-0.33134	-2.00783	0.046237	0.395951
ZNF165;ZSCAN12P1;HCG14;PGBD1	-0.22067	-2.00655	0.046375	0.396243
	0.233408	2.009294	0.046081	0.395608
	0.186071	2.00579	0.046457	0.396412
	-0.33736	-2.00847	0.046169	0.395771
IL34;MARVELD3;PHLPP2;CHST4;ENSG00000260156;AP1G1;ENS				
G00000261008;ZNF19;TAT;ENSG00000262890	-0.31192	-2.00636	0.046396	0.396268
	0.248451	2.012122	0.045779	0.394675
	0.150827	2.004465	0.0466	0.396825
ZAP70;ACTR1B;VWA3B;MGAT4A	0.14922	2.010428	0.045959	0.395219
	0.21026	2.006528	0.046378	0.396244
ARHGAP10;EDNRA	-0.32487	-2.00862	0.046153	0.395705
	-0.30568	-2.00529	0.046511	0.396517
	0.172789	2.007918	0.046228	0.395951
	0.309995	2.007148	0.046311	0.396108
	0.20272	2.004428	0.046604	0.396828
	0.240237	2.007043	0.046322	0.396108
	0.235716	2.008892	0.046124	0.395659
	-0.11672	-2.00975	0.046032	0.395486
	-0.16306	-2.00746	0.046278	0.396021
	-0.22088	-2.00548	0.046491	0.396474
	0.172202	2.010158	0.045988	0.39532
	-0.26914	-2.00831	0.046186	0.395829
TM4SF1	-0.26471	-2.01268	0.045719	0.394675
	-0.13784	-2.00748	0.046275	0.396021
	0.139265	2.002075	0.046859	0.397745
	0.222319	2.008062	0.046213	0.395923
	0.210572	2.007884	0.046232	0.395951
	-0.19809	-2.01126	0.045871	0.394955
	0.215084	2.010281	0.045975	0.395257
	-0.20643	-2.00552	0.046486	0.396474
	0.240607	2.010116	0.045993	0.39533
	0.246913	2.013778	0.045603	0.394312
	-0.17211	-2.00701	0.046325	0.396108
AKR1A1;PRDX1	0.205335	2.009034	0.046109	0.395618
	0.318617	2.013181	0.045666	0.394504
	0.283565	2.007383	0.046286	0.396027
	0.203236	2.009528	0.046056	0.395544
	-0.24617	-2.00557	0.046481	0.396474
PDZRN3;SHQ1	-0.23847	-2.00954	0.046055	0.395544
	-0.242	-2.00707	0.046319	0.396108
	0.212796	2.005326	0.046507	0.396508
	-0.40575	-2.01188	0.045804	0.39474

	0.160836	2.001668	0.046904	0.397808
	0.137229	2.004419	0.046605	0.396828
ULK1	0.182178	2.001899	0.046878	0.397808
	0.173654	2.008988	0.046113	0.395635
SP140;SP100;SP110;SP140L;GPR55	0.216911	2.011522	0.045843	0.394855
	0.208376	2.01035	0.045968	0.395239
C22orf34;ENSG00000235111	-0.19281	-2.01242	0.045747	0.394675
	0.201206	2.003885	0.046663	0.397081
SLC2A1-AS1;TIE1;SLC2A1;ELOVL1;TMEM125;EBNA1BP2;CDC20;C1orf210;PPCS	-0.31082	-2.0109	0.045909	0.395071
MXRA8;SAMD11;VWA1;ANKRD65;RNF223;ENSG00000223764;ENSG00000272106;PRKCZ;TTLL10;LINC01128;C1orf222;SSU72;TTLL10-AS1	-0.38197	-2.00323	0.046734	0.397356
	-0.19347	-2.00967	0.04604	0.395506
	-0.25806	-2.01102	0.045896	0.395021
LPIN1	-0.31588	-2.00135	0.046938	0.397897
	-0.35916	-2.01201	0.045791	0.394696
	0.424166	2.009227	0.046088	0.395618
NFX1;APTX;CHMP5;BAG1;DNAJA1;ACO1;ANKRD18B	-0.30389	-2.00749	0.046274	0.396021
	0.246592	2.009474	0.046061	0.395561
	0.166411	2.012765	0.04571	0.394671
	0.240523	2.002154	0.046851	0.397713
CCDC24;ST3GAL3;IPP;TCTEX1D4;CCDC17;RNU5F-1;SLC6A9;ERI3;GPBP1L1;PRDX1;TMEM53;C1orf228	-0.20874	-2.01107	0.045891	0.395015
	-0.21399	-2.00669	0.04636	0.396179
	0.208431	2.008518	0.046164	0.395757
MILR1;LIMD2;TEX2	0.196661	2.009836	0.046023	0.395444
	0.175321	2.00742	0.046282	0.396021
	-0.19717	-2.00834	0.046183	0.395818
PLEKHJ1	0.16294	2.004506	0.046596	0.396811
	0.143586	2.005942	0.046441	0.396359
	0.197798	2.002955	0.046764	0.39743
	0.236057	2.010991	0.045899	0.395042
	0.111163	2.006451	0.046386	0.396261
NCR3LG1;NUCB2;PLEKHA7	-0.3204	-2.00643	0.046389	0.396261
	0.177961	2.00623	0.04641	0.396298
RUNX1;RPS5P2	0.19553	2.00312	0.046746	0.397391
RNF223	0.202397	2.008954	0.046117	0.395644
	-0.23837	-2.01155	0.045839	0.394851
	0.172634	1.994166	0.047725	0.400164
	-0.19087	-2.00754	0.046269	0.396011
PKMYT1;C16orf71;CLDN9;CLUAP1;ENSG00000272079	-0.24859	-2.00995	0.04601	0.39541
ANXA2	-0.36633	-2.00283	0.046777	0.39743
	-0.11825	-1.9931	0.047843	0.400393
	-0.15231	-2.01082	0.045917	0.395111
	0.252867	2.007115	0.046315	0.396108

	-0.28462	-2.00376	0.046676	0.397122
	0.221056	2.010751	0.045925	0.395159
ENSG00000231980;ENSG00000222012	0.274907	2.012065	0.045785	0.394677
	0.2232	2.004498	0.046597	0.396811
KIF21B;RNPEP;PTPN7;ELF3;ENSG00000249007;UBE2T	-0.26795	-2.00735	0.046289	0.396027
	-0.19305	-2.00439	0.046609	0.396847
	-0.34834	-2.00241	0.046823	0.397633
	0.227191	2.012852	0.045701	0.394651
	0.199406	2.003666	0.046687	0.39715
	0.277435	2.009268	0.046083	0.395618
	0.216376	1.998572	0.047241	0.398781
	0.235908	2.00932	0.046078	0.3956
RABL2B;DENND6B;ODF3B;PANX2	-0.16403	-2.00222	0.046844	0.397682
IL12RB1;JAK3;FCHO1;NWD1;SLC27A1;BST2	-0.42613	-2.01247	0.045742	0.394675
	0.169252	2.010105	0.045994	0.395331
	0.277585	2.008988	0.046113	0.395635
	0.131159	2.006841	0.046344	0.396142
FOXF2;IRF4;ENSG00000218027;GMDS	0.20234	2.005296	0.04651	0.396517
	-0.19401	-2.00607	0.046427	0.396331
	-0.18844	-2.00821	0.046197	0.39587
	0.213251	2.003514	0.046703	0.397211
SNRPD2	-0.17455	-2.00175	0.046894	0.397808
	0.166794	2.009178	0.046093	0.395618
	0.216549	2.007119	0.046314	0.396108
	0.259179	2.005922	0.046443	0.396361
SPSB1;CAMTA1;SLC45A1;PER3	-0.26719	-2.00985	0.046021	0.395444
	-0.18615	-2.00955	0.046054	0.395544
	-0.30181	-2.00784	0.046236	0.395951
	-0.22483	-2.00576	0.046461	0.396425
	0.163208	2.009163	0.046095	0.395618
SH2D3C;PIP5KL1	-0.31835	-2.00698	0.046329	0.396108
	-0.20104	-2.00912	0.0461	0.395618
ENSG00000235772;SLC37A1;RSPH1;TMPRSS3;ZNF295-AS1;C21orf128;ABCG1;ENSG00000225431;UMODL1;LINC00111;LINC00479	-0.20105	-2.0009	0.046987	0.398077
ST14;ARHGAP32;TMEM45B	-0.20494	-2.008	0.04622	0.395934
	0.204607	1.990949	0.048081	0.400981
	0.091926	2.005479	0.046491	0.396474
	0.22507	2.007021	0.046325	0.396108
ZNF517	-0.16957	-2.00679	0.04635	0.396162
	0.168981	2.00836	0.046181	0.395818
	-0.24885	-2.01091	0.045908	0.395071
	0.186347	1.997612	0.047346	0.39905
	-0.21123	-2.00761	0.046261	0.396007
SEC14L1;C1QTNF1;TIMP2	-0.24195	-2.01193	0.045799	0.394728
STK24	0.229378	2.006222	0.046411	0.396298
	-0.16967	-2.00669	0.04636	0.396179

	0.232134	2.009243	0.046086	0.395618
	0.218977	2.007885	0.046232	0.395951
ENSG00000272072	0.300512	2.000882	0.046989	0.398077
ENSG00000178404;CBX2;TMC8	-0.1919	-2.00385	0.046666	0.397081
	-0.11712	-2.00903	0.046109	0.395618
	-0.19983	-2.00726	0.046299	0.396062
	0.227019	2.010633	0.045938	0.395191
	0.334749	2.00966	0.046042	0.39551
	0.098133	1.99923	0.047169	0.398655
	0.236083	2.007231	0.046302	0.396079
ADCY7	-0.20032	-1.99766	0.047341	0.39905
PSMG3;GNA12	0.1526	2.008331	0.046184	0.395818
	0.162527	2.007831	0.046238	0.395951
GRASP;ACVRL1;TENC1;KRT80;ACVR1B;KRT18;KRT7;KRT8;OR7E				
47P;GALNT6;DAZAP2;SLC4A8	-0.27977	-2.00073	0.047006	0.398107
	-0.11734	-2.00622	0.046411	0.396298
	-0.09442	-2.00555	0.046484	0.396474
	0.156732	2.000452	0.047036	0.398211
	-0.22964	-2.00727	0.046297	0.396062
	0.214872	2.0077	0.046252	0.395968
	0.179598	2.001766	0.046893	0.397808
	-0.13606	-2.00317	0.04674	0.397381
ASIC1	-0.19591	-2.00847	0.046169	0.395771
MGMT	0.282589	1.999254	0.047167	0.398655
	-0.14576	-2.00935	0.046075	0.395598
	0.189027	2.010614	0.04594	0.395193
	-0.1768	-2.00868	0.046146	0.395705
	0.16328	1.998146	0.047288	0.398874
	0.252551	2.008634	0.046151	0.395705
SPSB1;PARK7	-0.26394	-2.00803	0.046216	0.395924
TPPP;TRIP13;NKD2	0.188058	2.010508	0.045951	0.395215
	0.179071	2.011696	0.045824	0.394792
PCCB	-0.2963	-2.00517	0.046524	0.396577
HSPA4L;INTU	-0.24214	-2.0063	0.046402	0.396284
	-0.1533	-2.00176	0.046893	0.397808
	-0.13945	-2.00707	0.046319	0.396108
	-0.18887	-2.00771	0.04625	0.395968
	-0.12785	-2.00714	0.046312	0.396108
	0.209404	2.00941	0.046068	0.395561
	-0.20388	-2.00876	0.046138	0.395697
SMG5	-0.18061	-2.00632	0.0464	0.396284
	0.202139	1.997556	0.047352	0.39905
	0.151385	2.005836	0.046452	0.396406
	0.198114	2.003016	0.046757	0.397395
	0.133786	2.001371	0.046936	0.397897
TBC1D27	-0.38402	-2.00914	0.046097	0.395618
	-0.26973	-2.00109	0.046966	0.398019

	0.131419	2.009128	0.046098	0.395618
	-0.1984	-2.00513	0.046529	0.396582
	0.222714	2.007764	0.046245	0.395952
	-0.15044	-2.00619	0.046414	0.396298
	0.184001	2.001477	0.046924	0.397869
	-0.23944	-2.00959	0.046049	0.395544
	0.2222	2.008116	0.046207	0.395897
	0.161771	2.002325	0.046832	0.397645
ARHGEF10	0.288194	2.008074	0.046211	0.395919
	0.327348	2.01049	0.045953	0.395219
	0.197073	2.009052	0.046107	0.395618
	-0.21167	-2.00984	0.046022	0.395444
	0.238353	2.005687	0.046468	0.39646
IQCA1	-0.22227	-1.99992	0.047094	0.398424
	0.13849	2.007434	0.04628	0.396021
	-0.21241	-2.01043	0.045959	0.395219
	-0.33656	-2.0092	0.046091	0.395618
GABBR1;DDR1;MDC1;TRIM39;PPP1R18;PPP1R11;NRM;HLA-F-AS1	-0.28348	-2.00798	0.046222	0.395936
RIPK4;MX1;TMPRSS2;FAM3B	-0.19843	-1.99924	0.047168	0.398655
	0.162174	2.007456	0.046278	0.396021
	0.101075	2.007158	0.04631	0.396108
	0.169806	2.001725	0.046897	0.397808
	-0.16533	-2.00784	0.046237	0.395951
	0.310847	2.004429	0.046604	0.396828
	0.192908	2.00992	0.046014	0.395428
BNIP1;STK10	0.265141	2.009973	0.046008	0.395405
	0.256928	2.002844	0.046776	0.39743
	0.262132	2.005611	0.046476	0.396474
	0.297186	2.00871	0.046143	0.395705
	0.287773	2.001086	0.046967	0.398019
	-0.22033	-2.00555	0.046483	0.396474
	0.271584	2.007144	0.046311	0.396108
	0.202516	2.003856	0.046666	0.397081
	-0.12611	-2.00074	0.047005	0.398107
	0.141315	2.001662	0.046904	0.397808
HRNR;SELENBP1;CGN;S100A11;BNIPL;THEM4	-0.20731	-2.00266	0.046796	0.39749
	-0.18121	-2.0064	0.046391	0.396268
	-0.23486	-2.00754	0.046268	0.396011
FMN1	0.306562	2.009048	0.046107	0.395618
	0.166775	2.00758	0.046265	0.396011
	0.165831	2.006534	0.046377	0.396244
	0.224906	2.007265	0.046298	0.396062
ABCA3;PRSS22;ZG16B;IL32	-0.20852	-2.00166	0.046904	0.397808
	-0.24467	-2.00128	0.046945	0.397901
	0.16055	2.007084	0.046318	0.396108
KCNK6;ZNF571-AS1;ZNF781	-0.18919	-2.00404	0.046646	0.397007

	0.183425	2.006601	0.04637	0.396213
	0.287839	2.005331	0.046507	0.396508
	0.233933	1.99887	0.047209	0.398723
	0.196094	2.001313	0.046942	0.397897
KRT6A;BIN2;KRT18	-0.1955	-2.00545	0.046494	0.396487
	-0.27277	-2.00775	0.046246	0.395952
PITPNM2	-0.26932	-2.00804	0.046215	0.395924
	-0.22357	-1.99407	0.047736	0.400194
	0.126088	2.004319	0.046616	0.396888
SLC2A10	-0.20336	-1.99666	0.047451	0.399317
	0.223886	2.003818	0.04667	0.397099
	0.164131	2.00922	0.046089	0.395618
	0.161894	2.004732	0.046571	0.396737
	-0.18882	-2.00588	0.046447	0.39639
	-0.19105	-2.00299	0.04676	0.397413
	-0.21823	-2.0021	0.046856	0.397743
TSPAN3;RCN2	-0.21447	-2.00515	0.046526	0.396581
KIAA0556;GTF3C1	0.239732	2.004898	0.046554	0.396695
	0.192656	2.00673	0.046356	0.396173
	0.181746	2.001456	0.046927	0.397869
INF2;C14orf79	-0.1859	-2.00142	0.04693	0.397874
	-0.17976	-2.0091	0.046101	0.395618
	-0.11373	-2.00598	0.046436	0.396345
IARS;SPTLC1	0.158334	2.007039	0.046323	0.396108
	0.161901	2.006747	0.046354	0.396173
C10orf128	0.17903	2.005011	0.046541	0.396654
	0.233639	2.006785	0.04635	0.396162
ERC2;ENSG00000113811;CACNA2D3	0.233362	2.0013	0.046944	0.397897
	0.131028	2.003862	0.046666	0.397081
	-0.19045	-2.0018	0.046889	0.397808
	0.251558	2.005217	0.046519	0.396552
	-0.14236	-2.00786	0.046235	0.395951
	0.201447	1.999797	0.047107	0.398425
SLC7A5	-0.172	-2.01065	0.045935	0.395191
	-0.18083	-2.00526	0.046514	0.396526
ACPL2;ENSG00000272565	-0.18018	-2.00205	0.046862	0.397746
CRNDE	-0.22309	-1.99891	0.047204	0.398695
RNA5SP202	-0.27748	-2.00775	0.046246	0.395952
RSPRY1	-0.32223	-2.00782	0.046239	0.395951
	-0.28518	-2.01034	0.045969	0.395239
	-0.11626	-2.00799	0.046221	0.395934
P2RY6;ARHGEF17;COA4	0.191649	2.008018	0.046218	0.395932
	0.16402	2.005155	0.046526	0.396581
	0.169813	2.004324	0.046615	0.396888
	0.135092	2.006487	0.046382	0.396246
	-0.20155	-2.00903	0.046109	0.395618
	0.244091	2.005844	0.046451	0.396406

	-0.20856	-1.99293	0.047862	0.400415
	0.220396	2.007633	0.046259	0.396
	-0.44374	-1.99871	0.047226	0.398772
	0.216559	2.006268	0.046406	0.396289
CD163L1	0.163345	2.004661	0.046579	0.396771
	0.469581	2.008238	0.046194	0.395866
	0.167482	2.008574	0.046158	0.39572
	-0.35843	-2.00365	0.046688	0.397152
	0.24428	2.009762	0.046031	0.395479
	-0.19302	-2.00552	0.046487	0.396474
	0.196714	2.010637	0.045937	0.395191
KIF6	0.181428	2.010417	0.04596	0.395219
PDLIM7;ARL10;ZNF346-IT1;COL23A1;SIMC1	-0.2935	-2.00176	0.046893	0.397808
ZNF366	-0.25895	-2.00698	0.046329	0.396108
PIGV;PDIK1L;HMGN2;FAM110D	-0.32824	-2.00043	0.047038	0.398211
	0.18586	2.002248	0.04684	0.397676
	0.286035	2.005723	0.046464	0.396434
MRPL45P2	0.15642	2.00619	0.046414	0.396298
	-0.20992	-2.0087	0.046145	0.395705
	0.275936	1.999857	0.047101	0.398425
	0.142939	2.00922	0.046089	0.395618
	0.227094	2.000556	0.047025	0.398169
ACOX2;FAM107A;PXK	-0.43033	-2.00814	0.046204	0.395891
AHNAK2;IGHG2;GPR132;IGHG4;IGHA2;IGHGP;C14orf79	-0.2307	-2.00864	0.046151	0.395705
	-0.24705	-1.99976	0.047111	0.398425
	0.207302	2.007565	0.046266	0.396011
	0.082798	1.99311	0.047842	0.400393
	-0.19622	-2.00087	0.04699	0.398077
	0.132947	2.005083	0.046534	0.396612
CD59;EHF;APIP;CAT	0.230361	2.000992	0.046977	0.398074
SNORA74A	0.156426	2.006609	0.046369	0.396213
	0.182736	2.007669	0.046255	0.395983
	0.234777	2.008099	0.046209	0.395904
LMCD1;GRM7	0.292668	1.997688	0.047338	0.39905
	-0.21049	-2.00337	0.046719	0.397293
	0.247961	2.006239	0.046409	0.396298
	-0.19568	-2.00477	0.046567	0.396725
FNBP1	0.207533	2.005179	0.046523	0.396577
	-0.1606	-2.00534	0.046505	0.396508
	0.233955	2.008202	0.046198	0.39587
	-0.26376	-2.0045	0.046596	0.396811
	0.225774	2.007823	0.046238	0.395951
	0.158267	2.007842	0.046236	0.395951
MIR143HG;ENSG00000253864;MIR145	-0.22167	-2.00548	0.04649	0.396474
PEAR1;LAMTOR2	-0.19767	-2.00846	0.04617	0.395771
FAM149B1	-0.19527	-1.99867	0.047231	0.398772
TMEM45B;TP53AIP1;ARHGAP32;FLI1	-0.19572	-2.00643	0.046388	0.396261

PPDPF	-0.23675	-2.00728	0.046297	0.396062
PPME1;POLD3	-0.29198	-2.00607	0.046427	0.396331
RAB11FIP4;COPRS;MYO1D	0.24193	1.99656	0.047462	0.399317
KIAA1755;DLGAP4;SOGA1;RPRD1B;RALGAPB;VSTM2L	-0.26492	-2.00292	0.046768	0.39743
SLC45A1;CAMTA1;PER3	0.221227	2.003048	0.046754	0.397395
	0.212786	2.009027	0.046109	0.395618
ZNRD1	0.212292	2.006147	0.046419	0.396313
	-0.17447	-2.00176	0.046894	0.397808
	0.213816	2.007412	0.046283	0.396021
	0.241854	2.006622	0.046368	0.396211
PPP1R18;DDR1	-0.20169	-2.00308	0.046751	0.397395
	0.364613	2.004006	0.04665	0.397011
MZB1	-0.23102	-2.00833	0.046184	0.395818
	0.293764	2.007427	0.046281	0.396021
	0.260225	2.006181	0.046415	0.396298
	0.153034	2.007359	0.046288	0.396027
	-0.18829	-2.00737	0.046287	0.396027
	-0.14591	-2.0086	0.046155	0.395705
	0.196938	1.999435	0.047147	0.398557
	0.168487	2.001057	0.04697	0.398038
FAM179A;C2orf71;ENSG00000229951	0.241421	2.000876	0.04699	0.398077
ENTPD4	0.13207	1.999589	0.04713	0.39847
TNXB;LY6G5C;VWA7;SLC44A4;C6orf10;BAG6;NELFE	0.216647	2.003054	0.046753	0.397395
	0.244806	2.005537	0.046485	0.396474
	-0.18488	-2.00562	0.046476	0.396474
PLEKHA7	0.215087	2.008783	0.046135	0.395697
TET1;TSPAN15;STOX1;SRGN	-0.23391	-2.0063	0.046402	0.396284
RABL2B	0.212053	1.997132	0.047399	0.39921
	0.174434	1.997311	0.047379	0.399167
FMNL3;ENSG00000258334;WNT10B;PRPH;KCNH3;SPATS2;LMB R1L;CACNB3;CCDC65;ENSG00000257954;ZNF641;BCDIN3D;C1 2orf68;TMBIM6	-0.20539	-2.00629	0.046403	0.396285
	0.128634	2.003629	0.046691	0.397155
	-0.26111	-2.00866	0.046149	0.395705
CDHR3;EFCAB10;KMT2E;RINT1;PIK3CG	-0.30992	-2.00173	0.046897	0.397808
	-0.26391	-2.00932	0.046077	0.3956
	-0.14996	-2.00369	0.046684	0.397147
	-0.21643	-1.99482	0.047652	0.399962
ARHGEF15;CTC1;NLGN2;TNFSF12;MPDU1;VAMP2;ATP1B2;MY H10;CYB5D1;WRAP53	-0.23088	-2.00685	0.046343	0.396142
FGF14-AS1;FGF14;FGF14-IT1	-0.30561	-2.00562	0.046476	0.396474
	0.222746	2.007535	0.046269	0.396011
	-0.26866	-2.0017	0.046901	0.397808
	-0.12924	-2.0071	0.046316	0.396108
UHRF1BP1	0.160035	1.999676	0.047121	0.398445
	0.262617	2.004584	0.046587	0.396794
	-0.12726	-2.00537	0.046503	0.396507

KRR1P1	-0.17438	-2.00723	0.046302	0.396079
	-0.23822	-2.00411	0.046639	0.397002
PPP1R18;DHX16;PPP1R10;DDR1;VARS2;PPP1R11	0.322565	2.00695	0.046332	0.396121
	-0.23868	-2.00619	0.046414	0.396298
	-0.16749	-2.00166	0.046904	0.397808
	-0.14493	-2.00581	0.046455	0.396406
	0.109166	2.005566	0.046481	0.396474
SNORD3B-1;SNORD3A	-0.17841	-2.00013	0.047071	0.398324
JMJD8	-0.30867	-2.00684	0.046344	0.396142
	-0.25561	-2.00269	0.046792	0.397471
ENSG00000272686	-0.273	-2.0076	0.046262	0.396007
	-0.18693	-2.00335	0.046721	0.397307
	0.277693	2.006073	0.046427	0.396331
	-0.13647	-2.00559	0.046479	0.396474
	0.255996	2.008125	0.046206	0.395896
	0.270348	2.006315	0.046401	0.396284
	0.196176	2.006313	0.046401	0.396284
PLEK;ANXA4;ARHGAP25	0.225861	2.004649	0.04658	0.396774
	-0.22276	-2.00577	0.04646	0.396424
PTGDS;ENSG00000264527;LCNL1	0.149404	2.00354	0.0467	0.397208
ENSG00000259326	-0.22121	-2.00474	0.04657	0.396736
	0.201451	2.003735	0.046679	0.397126
	-0.17747	-2.00562	0.046475	0.396474
	0.16042	2.003961	0.046655	0.397044
	0.264485	2.003403	0.046715	0.397289
CAPN2;CAPN8	-0.20029	-2.00369	0.046685	0.397147
	-0.1471	-2.00613	0.046421	0.396323
EBF2;DPYSL2	-0.23609	-2.0011	0.046965	0.398019
	-0.23515	-2.00482	0.046562	0.39671
DYNLL1-AS1;DYNLL1	0.292653	2.007696	0.046252	0.395968
TMC8;TMC6;ENSG00000178404;TNRC6C;TNRC6C-AS1	-0.22667	-2.00454	0.046592	0.396811
AGO3;COL8A2;MRPS15;GRIK3;PSMB2	-0.28312	-2.00602	0.046432	0.396341
	0.117427	2.005517	0.046487	0.396474
FAM83H;LY6D;FAM83H-AS1;TSTA3;MROH6;GPIHBP1	-0.23343	-2.0073	0.046295	0.39606
	0.23414	2.002386	0.046826	0.397645
HMHA1	-0.26194	-2.00817	0.046201	0.39587
INPP5D;SNORA75	-0.22977	-2.0058	0.046456	0.396406
	0.214045	2.003072	0.046751	0.397395
	0.193119	2.002624	0.0468	0.397501
	-0.14572	-2.00739	0.046285	0.396027
	-0.18173	-1.99496	0.047638	0.399931
	-0.21583	-2.00825	0.046192	0.395866
	0.20252	2.00782	0.046239	0.395951
	0.249408	2.003236	0.046733	0.397356
	-0.27057	-2.00557	0.046481	0.396474
	0.212415	2.001498	0.046922	0.397869
INPP5A	-0.35081	-2.00502	0.04654	0.396654

	-0.18258	-1.99874	0.047223	0.398772
ACTA2-AS1;PANK1;ACTA2;LINC00865;STAMBPL1;ENSG00000213613	-0.25482	-1.99743	0.047366	0.399098
	-0.21511	-2.00494	0.046549	0.396679
NOVA2;EXOC3L2;HIF3A;EML2;SNRPD2;ENSG00000267348;ERCC1	-0.30726	-2.00292	0.046768	0.39743
	0.1963	2.002864	0.046774	0.39743
	-0.18132	-2.00479	0.046565	0.396718
	0.181655	2.006976	0.046329	0.396108
	0.231941	2.00363	0.046691	0.397155
	-0.13154	-2.00599	0.046435	0.396345
	0.234979	1.999089	0.047185	0.398668
	0.179085	2.003144	0.046743	0.397389
	-0.17722	-2.00291	0.046769	0.39743
	0.238796	2.00125	0.046949	0.397923
	-0.28916	-2.0002	0.047064	0.398312
	0.252271	2.003227	0.046734	0.397356
WSCD1;NUP88;GGT6;ZMYND15	0.174653	2.003132	0.046745	0.397389
	-0.2015	-1.9997	0.047117	0.398442
	0.193998	2.006054	0.046429	0.396331
ENSG00000260285	-0.20959	-2.00078	0.047	0.398107
R3HDM4;HMHA1;ENSG00000267317	-0.27373	-2.00058	0.047022	0.398169
	0.242866	2.006108	0.046423	0.396328
	0.158602	1.996503	0.047468	0.399328
	-0.13312	-2.00352	0.046702	0.397208
	0.694659	2.004023	0.046648	0.397009
GMDS;FOXC1	-0.33461	-1.99856	0.047242	0.398781
FUOM	-0.36325	-2.00462	0.046584	0.396794
	0.223584	2.007773	0.046244	0.395952
	0.220511	2.002753	0.046786	0.397448
	-0.22989	-2.00301	0.046757	0.397395
	0.200183	1.997666	0.04734	0.39905
	0.205578	2.00408	0.046642	0.397002
	-0.25485	-2.00283	0.046777	0.39743
	0.245677	2.004531	0.046593	0.396811
	0.183736	2.003023	0.046756	0.397395
	0.221564	2.001892	0.046879	0.397808
	0.167729	2.004716	0.046573	0.396744
ALOX15;GGT6	0.291153	2.003484	0.046706	0.39723
	0.1712	2.002751	0.046786	0.397448
	0.11938	2.000461	0.047035	0.398211
	-0.17668	-2.00596	0.046439	0.396359
SPRY4	-0.23983	-2.00263	0.046799	0.397501
	-0.21991	-2.00492	0.046551	0.396682
	-0.2495	-2.0055	0.046489	0.396474
	0.231462	2.001906	0.046878	0.397808

TMC8;ENSG00000178404;SYNGR2	-0.23194	-2.00469	0.046576	0.396761
	0.190567	2.000786	0.046999	0.398107
	0.2668	2.006005	0.046434	0.396345
	0.226801	2.002081	0.046859	0.397745
KLF11;CYS1;CPSF3	-0.278	-1.99937	0.047154	0.398587
	0.284525	2.003296	0.046727	0.39732
	0.182015	2.006691	0.04636	0.396179
	0.224602	2.003922	0.046659	0.397064
PARP11	0.278653	2.008764	0.046137	0.395697
SYT11	0.152738	2.003292	0.046727	0.39732
	-0.37593	-2.00922	0.046088	0.395618
	-0.21665	-2.00286	0.046774	0.39743
RASSF1;P4HTM;DALRD3;TUSC2;HYAL2;LAMB2;DOCK3;NDUFAF 3;SEMA3B;ZMYND10;TCTA;CDHR4;BSN	-0.23877	-2.00367	0.046686	0.39715
	0.169803	2.002792	0.046781	0.397441
	-0.12824	-2.00092	0.046985	0.398077
	0.254119	2.001003	0.046976	0.398072
	-0.24147	-1.99996	0.047089	0.398401
	0.171751	2.00286	0.046774	0.39743
F10	-0.31268	-1.99215	0.047948	0.400578
SMTN;SLC5A4;ENSG00000198832;CPSF1P1;SLC5A1	-0.23613	-1.99216	0.047947	0.400575
	0.18417	1.996134	0.047508	0.399506
GALNT10	0.178301	1.992278	0.047934	0.400554
BTN3A1;BTN3A3;BTN2A2;BTN3A2	0.257613	2.006805	0.046348	0.396162
	-0.21184	-2.00302	0.046757	0.397395
	0.170894	2.004535	0.046593	0.396811
	-0.23719	-2.00593	0.046442	0.396359
	0.099367	1.999832	0.047103	0.398425
	-0.16283	-1.99663	0.047454	0.399317
	-0.24207	-2.00194	0.046874	0.397808
	0.266182	2.00707	0.046319	0.396108
	0.110073	2.002245	0.046841	0.397676
	-0.12415	-1.99946	0.047144	0.398546
	0.179782	1.997805	0.047325	0.399013
	0.20994	2.001889	0.04688	0.397808
FLI1;ARHGAP32;TMEM45B;ETS1;SENCR	0.374778	2.003947	0.046656	0.397049
	-0.13685	-2.00237	0.046827	0.397645
	0.258215	2.002332	0.046831	0.397645
	0.17212	2.002412	0.046823	0.397633
TNFRSF1B	-0.1567	-1.997	0.047414	0.399225
FAM222A	-0.17063	-2.00164	0.046907	0.397808
	0.279798	2.004599	0.046586	0.396794
MGEA5;RNU2-59P	-0.17139	-2.00561	0.046477	0.396474
	0.102546	1.991808	0.047986	0.400735
	0.139786	2.001769	0.046893	0.397808
TMEM255B;GAS6;F10;ADPRHL1	-0.25169	-2.00643	0.046388	0.396261
GPR133	-0.26836	-2.0048	0.046564	0.39671

	-0.21533	-2.00146	0.046926	0.397869
RNF8	0.248556	2.005123	0.046529	0.396582
	-0.25296	-2.00666	0.046364	0.396201
	0.186865	2.003298	0.046727	0.39732
EFCAB11;TDP1;TTC8;CALM1	-0.36146	-2.00132	0.046941	0.397897
	0.22556	2.006799	0.046348	0.396162
HLA-DMA;HLA-DMB;HLA-DPB1;HLA-DOA;HLA-DPA1;UQCC2;HSD17B8;TAPBP	0.277788	2.002813	0.046779	0.39743
	0.147987	2.006988	0.046328	0.396108
	0.2762	2.004289	0.046619	0.396892
ISM1	-0.28284	-2.00075	0.047003	0.398107
	-0.24271	-2.00302	0.046756	0.397395
	0.1824	2.002708	0.046791	0.397471
CLNK	-0.26603	-2.00502	0.046541	0.396654
PLAC8	-0.28958	-2.00452	0.046595	0.396811
	0.231926	2.002912	0.046768	0.39743
	-0.18351	-2.00363	0.046691	0.397155
	-0.15587	-2.00539	0.0465	0.396507
	0.09534	2.000559	0.047024	0.398169
RAD51	-0.22068	-1.99968	0.04712	0.398445
	0.230111	2.003746	0.046678	0.397123
ZNF429;ENSG00000268119;ENSG00000268081;ZNF493;ENSG00000268416	-0.37706	-2.00587	0.046448	0.396392
PCNX;ENSG00000259146	0.35107	2.007488	0.046274	0.396021
	-0.25894	-2.0069	0.046338	0.396137
	-0.19743	-1.99483	0.047652	0.399962
	0.223975	1.996553	0.047462	0.399317
ADAMTS12;ENSG00000272323	0.22075	1.994943	0.047639	0.399932
	-0.17878	-1.99982	0.047104	0.398425
ENSG00000225670;AIM2;ENSG00000213080;DARC;F11R	-0.31252	-2.00543	0.046496	0.3965
PPIB	-0.13264	-1.99575	0.04755	0.399661
	0.148623	1.992242	0.047938	0.400554
	0.167222	1.998204	0.047281	0.398874
	-0.17806	-1.99716	0.047396	0.39921
IGFBP2	0.234838	2.004482	0.046598	0.396817
	0.247251	1.996523	0.047466	0.399317
C1orf56	-0.14374	-1.99867	0.047231	0.398772
	0.191725	1.9982	0.047282	0.398874
	-0.11898	-1.9996	0.047128	0.39847
	-0.4197	-2.00096	0.04698	0.398077
	0.134651	1.993822	0.047763	0.400285
	0.413852	2.004762	0.046568	0.396725
	0.196853	2.001832	0.046886	0.397808
	0.174191	2.003179	0.046739	0.397381
	-0.17644	-2.00321	0.046736	0.39736
ENSG00000222489	-0.21158	-2.00547	0.046491	0.396474
C4orf19	-0.24969	-1.99765	0.047342	0.39905

	-0.16289	-2.00285	0.046775	0.39743
	0.215897	2.004809	0.046563	0.39671
	-0.27903	-1.99799	0.047304	0.398927
ENSG00000267868	-0.24502	-2.00353	0.046702	0.397208
RASGRP1;SRP14-AS1	0.30858	2.005376	0.046502	0.396507
	-0.1483	-2.00581	0.046455	0.396406
ZC3H12D	-0.26018	-2.00101	0.046975	0.398071
	0.222955	1.999374	0.047153	0.398587
HSPG2;CDC42;LDLRAD2;HP1BP3;ENSG00000232037	0.238037	2.003773	0.046675	0.397122
	-0.23245	-1.99751	0.047357	0.39905
FAM83H-AS1;FAM83H;ZNF34;EEF1D;EXOSC4	-0.18507	-1.99971	0.047117	0.398442
GDE1;CCP110;GPRC5B;TMC5;ENSG00000260681;ENSG000002				
59925;COQ7;IQCK;SYT17	-0.29007	-2.00207	0.04686	0.397745
	-0.1401	-1.99974	0.047113	0.398425
	0.12827	1.992467	0.047913	0.400516
	-0.21683	-2.0055	0.046488	0.396474
	-0.20585	-2.00188	0.04688	0.397808
	0.182758	2.002194	0.046846	0.397692
	0.250299	2.000444	0.047037	0.398211
	-0.20791	-2.00486	0.046558	0.396706
	0.202076	2.001923	0.046876	0.397808
ENSG00000260807;HS3ST6	-0.27482	-1.9981	0.047293	0.39889
	0.142592	1.998582	0.04724	0.398781
MPHOSPH9	0.164779	2.004059	0.046644	0.397002
DAZAP2;METTL7A;GRASP;SLC11A2;ENSG00000257246	0.17042	2.001295	0.046944	0.397897
ENSG00000253837;CCAR2;TNFRSF10B	-0.27516	-2.00636	0.046396	0.396268
	-0.14246	-2.00459	0.046587	0.396794
	0.221657	2.004073	0.046643	0.397002
	-0.12748	-2.00135	0.046938	0.397897
	0.121197	1.998819	0.047214	0.398747
	0.172106	1.99577	0.047548	0.399661
	0.174128	2.000923	0.046985	0.398077
	-0.14391	-2.0065	0.046381	0.396244
MIR145;MIR143HG;MIR143	0.150107	2.000735	0.047005	0.398107
IFT81	-0.20267	-2.00185	0.046883	0.397808
RNF216;FSCN1;RADIL;TNRC18	-0.25768	-1.98443	0.048809	0.402927
	0.247841	2.000214	0.047062	0.398311
	0.188505	1.995982	0.047525	0.399552
	-0.11958	-2.00275	0.046786	0.397448
	0.184317	2.001423	0.04693	0.397874
	0.24802	2.006938	0.046334	0.396124
	0.164639	1.989728	0.048217	0.401324
	-0.20004	-2.0043	0.046619	0.396892
	0.131748	2.004016	0.046649	0.397009
	-0.33759	-2.00412	0.046638	0.397001
	-0.23949	-2.00029	0.047054	0.398291
	-0.1309	-1.9992	0.047172	0.398655

	-0.24185	-2.00252	0.046811	0.397572
	0.178528	2.001406	0.046932	0.39788
	0.14724	2.00132	0.046941	0.397897
	0.135501	2.004237	0.046625	0.396924
	0.181301	1.999067	0.047187	0.398668
	-0.2647	-2.00071	0.047008	0.398116
	0.189951	2.002817	0.046779	0.39743
	-0.27921	-2.0053	0.04651	0.396517
	-0.23283	-1.99861	0.047237	0.398772
	0.25442	2.006073	0.046427	0.396331
	-0.41987	-1.99436	0.047704	0.400104
	0.176467	2.00097	0.046979	0.398077
RNA5SP268	-0.19435	-2.00422	0.046626	0.396928
	0.20993	2.002532	0.04681	0.39757
	0.254301	1.998183	0.047284	0.398874
	0.196831	2.002377	0.046827	0.397645
	0.286478	2.004541	0.046592	0.396811
	0.200903	2.00443	0.046604	0.396828
	-0.13307	-2.00154	0.046918	0.397869
FMNL3;TMBIM6;CCDC65;DNAJC22;CERS5;DDX23;COX14;TUBA 1A;BCDIN3D;LMBR1L;KMT2D	-0.3156	-1.99251	0.047908	0.400505
	-0.13406	-1.99895	0.0472	0.398695
	0.216794	1.998673	0.04723	0.398772
DKK1	-0.1691	-2.00284	0.046776	0.39743
	-0.21404	-1.99974	0.047114	0.398425
	-0.22106	-2.00233	0.046832	0.397645
	0.202262	2.000875	0.04699	0.398077
	0.217203	1.991799	0.047987	0.400736
COL23A1;ADAMTS2;PDLIM7;DBN1;ZNF354C;RGS14	0.293295	2.000271	0.047056	0.398297
	0.301567	2.001781	0.046891	0.397808
TUB;STK33;C11orf16;AKIP1;PPFIBP2;ENSG00000248332;DENN D5A;ENSG00000252778;WEE1;SNORA23	-0.2826	-2.00011	0.047073	0.398337
UBE2V1	-0.19544	-1.99832	0.047269	0.398868
	0.136201	1.996875	0.047427	0.399235
	-0.25968	-2.00385	0.046667	0.397081
	-0.17735	-2.00209	0.046858	0.397745
	0.151802	1.99925	0.047167	0.398655
C17orf58;KPNA2;PITPNC1	-0.34859	-2.00316	0.046742	0.397389
EBF3	-0.24583	-1.99817	0.047285	0.398874
	0.186072	2.005937	0.046441	0.396359
MYD88;ENSG00000235257;ITGA9	0.183154	1.994395	0.0477	0.400075
	0.255757	2.005139	0.046528	0.396582
	0.169706	1.997627	0.047345	0.39905
OSTC	0.164564	1.998652	0.047232	0.398772
	0.283592	2.001551	0.046916	0.397869
	-0.12646	-1.99991	0.047095	0.398424
	0.149604	1.99838	0.047262	0.398859

	0.255449	1.989577	0.048234	0.401373
MYO1G;CCM2	-0.27401	-2.0027	0.046792	0.397471
	-0.19987	-1.99403	0.047741	0.400205
ITPKB;ENSG00000234478;PYCR2;C1orf95	-0.22677	-2.00164	0.046907	0.397808
RDH10;LY96;ENSG00000253636;STAU2-AS1;SBSPON	0.290396	1.996165	0.047505	0.399506
	-0.17863	-2.00419	0.04663	0.396951
	0.22486	2.003046	0.046754	0.397395
	-0.20421	-2.00172	0.046898	0.397808
ENSG00000235033	0.182329	1.997551	0.047353	0.39905
RUNX1T1;TMEM67	-0.3411	-1.99784	0.047321	0.399002
	0.206775	2.00408	0.046642	0.397002
	0.133755	1.990124	0.048173	0.401237
	-0.27722	-2.00188	0.04688	0.397808
MFNG;SUN2;LGALS1;SOX10;C22orf23;CARD10;ANKRD54;DNAL4;CDC42EP1	-0.27166	-1.99261	0.047897	0.400502
	0.179658	2.002626	0.046799	0.397501
	-0.11831	-1.99843	0.047257	0.398847
	-0.21652	-2.00133	0.046941	0.397897
	-0.17059	-1.99615	0.047507	0.399506
TRAPPC9	0.266852	1.993271	0.047824	0.400333
TNFSF14;CD209;VAV1;CD320	-0.19497	-1.99996	0.04709	0.398401
	0.223783	2.004832	0.046561	0.39671
	0.192483	2.001151	0.04696	0.397987
	0.209394	2.000578	0.047022	0.398169
SLIT3;KCNMB1;MIR4454	-0.18853	-1.99377	0.047769	0.400286
	-0.21292	-1.99724	0.047387	0.39917
	0.125306	1.998976	0.047197	0.398689
KIF21B	0.333593	2.006857	0.046342	0.396142
	-0.26215	-2.00094	0.046983	0.398077
	0.256122	2.00538	0.046501	0.396507
IL12RB1;ZNF101;FCHO1;KLHL26;B3GNT3;GMIP	-0.2023	-2.00232	0.046832	0.397645
	0.292221	1.992914	0.047863	0.400417
TSPAN4;TMEM80	0.208507	1.997789	0.047327	0.399013
ENSG00000240893;PHLDB2;WDR52;ABHD10;SLC9C1;BOC	-0.21696	-2.00228	0.046837	0.397661
	0.209808	2.001875	0.046881	0.397808
	0.210651	1.992542	0.047905	0.400504
MFNG;CYTH4;RAC2;SUN2;PDGFB;SOX10	-0.36161	-2.00492	0.046551	0.396682
	0.228519	1.997638	0.047343	0.39905
	0.228101	1.998993	0.047195	0.398689
	-0.29676	-2.00372	0.046681	0.397133
	0.124887	1.998281	0.047273	0.398868
	-0.21973	-1.99815	0.047288	0.398874
	-0.19085	-1.99227	0.047935	0.400554
	0.103696	1.99902	0.047192	0.39868
	0.189021	1.99836	0.047264	0.398859
	-0.13736	-2.00053	0.047028	0.398186

PIK3CD;SPSB1;CLSTN1;KIF1B	-0.27336	-1.99211	0.047952	0.400589
	-0.28479	-1.99986	0.047101	0.398425
	0.26332	2.003394	0.046716	0.397289
	0.159711	1.999437	0.047147	0.398557
USP43;WDR16	-0.31128	-2.00215	0.046851	0.397713
	-0.27796	-2.00282	0.046778	0.39743
	-0.14985	-1.99417	0.047725	0.400164
	-0.18059	-1.99901	0.047193	0.398681
TNFAIP8L1;CATSPERD;PTPRS;SEMA6B;CAPS;RFX2;HSD11B1L;LRG1;SH3GL1;RANBP3;MLLT1;ENSG00000267262;ENSG00000267427;DPP9;ENSG00000266983;NDUFA11;TICAM1;FUT6	-0.22209	-1.99838	0.047262	0.398859
SCRG1;HPGD	-0.2103	-1.99977	0.04711	0.398425
	-0.28233	-2.00532	0.046507	0.396508
	-0.20291	-1.99756	0.047352	0.39905
	0.13866	2.00015	0.047069	0.398324
	0.158704	1.996347	0.047485	0.39941
	-0.19381	-1.98987	0.048201	0.401284
FGFR4;COL23A1;PDLIM7;DBN1	0.182886	1.992933	0.047861	0.400415
	0.129679	1.997242	0.047387	0.39917
	-0.16076	-2.00426	0.046623	0.396914
FOLR2;FCHSD2;SHANK2;PDE2A	0.189121	2.001228	0.046951	0.397935
	0.158007	2.003062	0.046752	0.397395
	0.12226	1.989849	0.048203	0.401284
SH3BP2	0.248774	1.998541	0.047245	0.398789
CARD11	0.270851	2.004872	0.046556	0.396706
SYTL2;FZD4	-0.18092	-1.99406	0.047737	0.400194
	0.172358	1.99911	0.047182	0.398668
RN7SKP74	-0.17673	-1.99714	0.047398	0.39921
	0.193699	2.000022	0.047083	0.398401
	0.247846	2.001531	0.046918	0.397869
	0.180136	2.001584	0.046913	0.397852
BAI1	-0.2867	-1.99975	0.047113	0.398425
	0.267246	2.000905	0.046986	0.398077
	0.188006	2.000471	0.047034	0.398211
	0.220999	2.004367	0.046611	0.396859
	0.189484	1.998944	0.0472	0.398695
RPL7P25	0.24771	1.998717	0.047225	0.398772
NXPH3;SGCA;COL1A1;ANKRD40;CACNA1G;LRRC59;LUC7L3	0.25518	2.000836	0.046994	0.398099
PSMA4;ZFAND6	-0.19944	-2.00146	0.046926	0.397869
ENSG00000213090;CLK1	-0.12932	-2.00236	0.046828	0.397645
	0.255865	1.99865	0.047233	0.398772
	0.249149	1.995751	0.047551	0.399661
	0.183158	2.000902	0.046987	0.398077
PSMG3;GPR146;PRKAR1B;CHST12;PDGFA;CYP2W1	-0.23207	-1.99735	0.047375	0.399151
CPNE5;RNF8;SRSF3;PI16	-0.22125	-1.99712	0.047401	0.39921

	0.238021	2.000732	0.047005	0.398107
	0.267365	2.000581	0.047022	0.398169
PIAS3;ANKRD35	0.163423	2.001816	0.046887	0.397808
	-0.26836	-2.0019	0.046879	0.397808
ACBD3;C1orf95;ITPKB;SRP9;PYCR2;H3F3A	-0.23981	-2.00231	0.046833	0.397645
	-0.22514	-2.00205	0.046862	0.397746
	-0.15882	-2.005	0.046542	0.396656
FUOM	-0.14677	-2.00164	0.046906	0.397808
	0.193844	2.000405	0.047041	0.398229
	0.15839	1.994263	0.047714	0.400142
OSBPL3;MPP6;DFNA5;C7orf31	-0.33765	-1.99103	0.048072	0.400951
	0.106113	1.997402	0.047369	0.39911
ARAP3;RNF14	-0.22804	-2.00145	0.046928	0.397869
PFDN6	-0.31236	-2.00523	0.046518	0.39655
	-0.1701	-1.99695	0.047419	0.399225
TPSB2;NME4;TPSD1;TPSAB1	-0.2449	-2.00246	0.046817	0.397609
	-0.24698	-2.00034	0.047048	0.398257
	-0.20712	-1.99428	0.047712	0.400132
	0.116659	1.99827	0.047274	0.398868
	-0.13592	-1.99786	0.047319	0.399002
HMGB1;LINC00426	-0.22891	-2.00026	0.047056	0.398297
ITPR2	0.289428	1.997004	0.047413	0.399225
DPEP2	0.166766	1.989982	0.048189	0.401237
	-0.39673	-2.00289	0.04677	0.39743
ENSG00000259336	-0.1395	-1.99693	0.047421	0.399225
	-0.3324	-1.99995	0.04709	0.398401
	-0.12783	-1.99445	0.047694	0.400069
ENSG00000261068	0.267645	1.996024	0.04752	0.399527
	0.235166	1.989051	0.048292	0.401608
	0.176494	2.001535	0.046918	0.397869
	0.216416	1.998047	0.047299	0.398906
SOWAHA	0.205986	2.002226	0.046843	0.397682
	-0.34734	-1.99804	0.047299	0.398906
	0.262465	1.997993	0.047305	0.398927
FLI1;ARHGAP32;ETS1;SENCR	-0.29817	-2.00362	0.046692	0.397157
	-0.20606	-1.99531	0.047599	0.39976
	0.18402	1.995579	0.047569	0.399742
NOTCH4;PFDN6;RNF5	-0.18896	-2.00403	0.046647	0.397007
	-0.21707	-1.99379	0.047767	0.400285
	0.201363	1.999106	0.047183	0.398668
	-0.14117	-1.99998	0.047087	0.398401
SLX4	-0.2967	-2.00082	0.046995	0.398102
CLSTN3;C1RL-AS1;IFFO1;RBP5;CD27;C1RL;VAMP1;CD163L1	0.296955	2.002502	0.046813	0.397582
	0.129391	2.00172	0.046898	0.397808
	0.248972	2.001908	0.046877	0.397808
FLRT2	0.308052	2.00096	0.046981	0.398077

	0.172468	1.996912	0.047423	0.399225
	0.19404	1.998615	0.047236	0.398772
	0.179655	2.000378	0.047044	0.398247
	-0.20198	-2.00204	0.046863	0.397746
	0.133168	2.00147	0.046925	0.397869
	-0.22657	-1.99974	0.047113	0.398425
	0.130412	1.990949	0.048081	0.400981
	-0.11729	-1.99861	0.047237	0.398772
	0.156351	1.999639	0.047125	0.39845
	0.160514	2.003815	0.046671	0.397099
	0.202203	1.991688	0.047999	0.400756
	0.143857	2.001845	0.046884	0.397808
WNT9A	0.316319	2.004161	0.046633	0.39697
	-0.14591	-2.00069	0.04701	0.398125
	-0.12242	-1.99592	0.047532	0.399592
	-0.15731	-1.99186	0.04798	0.40071
	0.160503	1.994869	0.047648	0.399962
	0.142585	1.999788	0.047108	0.398425
RNF6	0.13983	1.999994	0.047086	0.398401
GPIHBP1;FAM83H-AS1	0.224853	1.993452	0.047804	0.400294
	-0.1511	-1.99829	0.047272	0.398868
ENSG00000269896;TTLL10;MORN1;C1orf222;SKI;PRKCZ;ENSG 00000271847;RNF223;NADK;TTC34;TTLL10-AS1	0.177437	1.998567	0.047242	0.398781
	-0.10643	-1.98607	0.048625	0.402419
MEGF6	0.198422	1.998927	0.047202	0.398695
	-0.1286	-1.99705	0.047408	0.399225
AIM2	0.295567	1.998168	0.047285	0.398874
	0.232226	2.001399	0.046933	0.39788
	0.093636	1.998101	0.047293	0.39889
	0.183502	1.991575	0.048012	0.400756
	-0.18911	-1.99987	0.047099	0.398425
	0.094108	1.998378	0.047262	0.398859
	-0.19403	-1.99675	0.047441	0.399292
	0.250846	1.991104	0.048064	0.400923
	0.165645	2.000661	0.047013	0.398135
	0.202193	2.003061	0.046752	0.397395
	-0.16887	-1.99846	0.047254	0.398837
C1orf101;EFCAB2	0.221098	1.996636	0.047453	0.399317
	0.251329	1.998716	0.047225	0.398772
ACTG1P1	0.13896	1.996528	0.047465	0.399317
	-0.15467	-1.99718	0.047394	0.399204
	0.126607	1.991147	0.048059	0.400898
SAPCD2;CAMSAP1;C9orf169	-0.26653	-2.00046	0.047035	0.398211
	0.106709	1.992813	0.047875	0.400421
COTL1	-0.23106	-2.00093	0.046984	0.398077
	0.188538	1.996991	0.047414	0.399225
GPR110;TNFRSF21	0.211412	1.997257	0.047385	0.39917

	0.233672	2.001216	0.046953	0.397939
	-0.23333	-1.99975	0.047113	0.398425
	0.205766	1.996391	0.04748	0.399384
	-0.32792	-1.99598	0.047525	0.399552
	-0.17029	-2.00378	0.046674	0.397122
	-0.12274	-1.99679	0.047436	0.399286
PRKCH	-0.24539	-1.99925	0.047167	0.398655
	-0.2754	-1.98766	0.048448	0.401974
	-0.18959	-2.00075	0.047003	0.398107
	0.149025	1.991161	0.048058	0.400898
	0.243827	1.997688	0.047338	0.39905
	0.140182	1.998451	0.047254	0.398837
	-0.1734	-2.0003	0.047052	0.398286
ZNF649;ZNF808	-0.12399	-1.99999	0.047086	0.398401
	0.180523	1.996048	0.047518	0.399526
UHRF1	0.227816	2.002888	0.046771	0.39743
STK32B;EVC;CRMP1	-0.19399	-1.99064	0.048115	0.401122
	0.297862	1.988538	0.048349	0.401772
	0.21	1.995319	0.047598	0.39976
	0.187354	1.99891	0.047204	0.398695
	0.240981	1.996738	0.047442	0.399292
STMN3	-0.18002	-1.99956	0.047133	0.398487
	0.19074	1.994937	0.04764	0.399932
	-0.23449	-1.99272	0.047885	0.400475
	-0.16982	-1.9941	0.047733	0.400185
	-0.28735	-2.00135	0.046938	0.397897
	-0.1787	-1.99912	0.047181	0.398668
	-0.21852	-2.00021	0.047063	0.398311
	0.128647	1.998314	0.047269	0.398868
	-0.24651	-1.99903	0.047191	0.39868
	-0.17211	-1.99986	0.0471	0.398425
	-0.38398	-1.99523	0.047608	0.399778
LATS2;IFT88	-0.23078	-1.99785	0.04732	0.399002
PARVG;TTLL1;PARVB;PRR5;EFCAB6;MCAT;EFCAB6-AS1	0.338358	2.002544	0.046808	0.397567
	-0.20286	-2.00064	0.047015	0.398144
ENSG00000263503;CRHR1-IT1;LRRC37A4P;LRRC37A;KANSL1;DND1P1;KANSL1-AS1;ARL17A	0.193671	1.995245	0.047606	0.399778
	0.202274	1.99674	0.047442	0.399292
	-0.10286	-1.99259	0.0479	0.400502
	0.107974	1.990984	0.048077	0.400967
	0.301573	1.998957	0.047199	0.398695
HERC1;TPM1	-0.26411	-2.0001	0.047074	0.398337
EYS	-0.17746	-1.99455	0.047683	0.400027
	0.315979	1.999535	0.047136	0.398496
	-0.23318	-1.99783	0.047323	0.399003
	-0.26273	-1.99193	0.047972	0.400674

	0.137832	1.993355	0.047815	0.400318
SLBP	0.17464	2.000472	0.047034	0.398211
	0.238114	1.996566	0.047461	0.399317
LIMS2;MYO7B;GPR17	-0.2285	-1.99389	0.047755	0.400263
ST6GALNAC2;SMIM6;FOXJ1;SPHK1;RNF157-AS1;SMIM5;ST6GALNAC1;GALK1;ENSG00000261335;SEC14L1	-0.26431	-2.00314	0.046744	0.397389
	-0.2524	-2.00034	0.047048	0.398257
FLT4;BTNL9;RNF130;CANX	0.228349	2.000365	0.047045	0.39825
FAM101B;SCARF1;DOC2B	-0.255	-1.99533	0.047597	0.39976
OTUB2	-0.26643	-1.99554	0.047574	0.399748
NFKBIE	-0.21439	-2.00169	0.046901	0.397808
ENSG00000219682	0.222139	1.998385	0.047262	0.398859
	0.284005	2.000181	0.047065	0.398312
HCG27	-0.16357	-1.99433	0.047707	0.40011
PAG1	0.190693	1.998371	0.047263	0.398859
	-0.31764	-2.00184	0.046885	0.397808
RER1;SKI	0.18733	2.000179	0.047066	0.398312
RBMS2;LRP1;MARS;ARHGEF25	0.177837	1.993344	0.047816	0.400318
	0.275094	1.997025	0.047411	0.399225
	-0.13162	-1.99979	0.047108	0.398425
	0.252765	1.998121	0.04729	0.398888
	-0.18621	-1.99996	0.04709	0.398401
GRIK3	-0.2701	-1.99702	0.047412	0.399225
GHRLOS	-0.22364	-1.9916	0.048009	0.400756
	-0.17458	-1.99308	0.047845	0.400393
	0.202268	1.999972	0.047088	0.398401
	0.26792	1.997937	0.047311	0.398971
ENSG00000235033	0.319967	1.996526	0.047465	0.399317
	-0.32934	-2.00056	0.047024	0.398169
TUBGCP3;TMEM255B	-0.26007	-1.9926	0.047898	0.400502
	0.171712	1.998019	0.047302	0.398919
CD248;TBC1D10C;PITPNM1;SPTBN2;UNC93B1;ALDH3B2;FAM86C2P;ALDH3B1;CTSF;ENSG00000254510;GSTP1	-0.25647	-1.99974	0.047113	0.398425
	0.143622	1.997287	0.047382	0.399167
	-0.28324	-1.99964	0.047125	0.39845
FLG-AS1	0.219077	2.001519	0.04692	0.397869
	-0.14395	-1.99368	0.047779	0.400294
	-0.22752	-1.99886	0.04721	0.398728
	-0.20251	-1.99293	0.047862	0.400415
	0.222562	1.995301	0.0476	0.39976
STAB1	-0.14796	-2.00277	0.046784	0.397448
ZNF506;B3GNT3;LRRC25;LSM4	-0.26093	-1.9992	0.047172	0.398655
	0.100739	1.999117	0.047182	0.398668
	-0.20427	-1.99168	0.048	0.400756
	0.253457	1.999687	0.047119	0.398445
	-0.21373	-1.99693	0.047421	0.399225

SLC51A;MUC4	-0.21212	-1.99867	0.047231	0.398772
CYTIP	-0.34602	-1.99873	0.047224	0.398772
CD5;CD6	0.302776	1.994492	0.047689	0.400069
	0.23702	1.9941	0.047732	0.400185
PRKCH;SIX1;SIX4	-0.32942	-1.99772	0.047334	0.39905
	0.261253	1.998592	0.047239	0.398781
NUDT8	-0.39165	-1.99983	0.047104	0.398425
	0.204006	1.997503	0.047358	0.39905
	0.236784	1.994791	0.047656	0.399976
CYP11A1;BBS4	-0.15891	-1.99864	0.047233	0.398772
	0.188464	1.995337	0.047596	0.39976
	-0.21784	-1.99964	0.047125	0.39845
	-0.13897	-1.98999	0.048188	0.401237
	0.177562	1.993444	0.047805	0.400294
	0.177367	1.999464	0.047144	0.398546
CLEC14A;ENSG00000259087;FOXA1	0.394187	1.996654	0.047451	0.399317
	0.285228	1.996141	0.047508	0.399506
CARS	0.160975	1.995301	0.0476	0.39976
	-0.23517	-1.9976	0.047348	0.39905
	0.335262	1.999136	0.047179	0.398668
	-0.17847	-1.99463	0.047674	0.400002
	-0.19097	-1.99244	0.047915	0.400516
	0.23412	1.998212	0.047281	0.398874
	0.278079	1.989983	0.048188	0.401237
	-0.13907	-1.9983	0.047271	0.398868
	-0.30285	-1.99003	0.048183	0.401237
	0.186895	1.997574	0.04735	0.39905
PSMG3	-0.22376	-1.99406	0.047737	0.400194
	0.223889	1.99588	0.047536	0.399619
C5AR2	0.219055	1.994153	0.047727	0.400165
	-0.29058	-1.98874	0.048327	0.401703
TTC28	-0.20902	-1.99693	0.047421	0.399225
GART	0.209524	1.997883	0.047317	0.399002
LBH	0.226156	1.993788	0.047767	0.400285
	0.206708	2.003397	0.046716	0.397289
PSMG3;GNA12;GPR146	-0.32947	-1.99759	0.047349	0.39905
	-0.15256	-1.99547	0.047581	0.399748
	-0.14671	-1.99557	0.04757	0.399742
	-0.31429	-1.99725	0.047386	0.39917
CADM1	0.237648	1.995478	0.047581	0.399748
	-0.17517	-1.99523	0.047608	0.399778
HIST1H4K	0.211387	1.997282	0.047382	0.399167
ATP6V1G1;ZNF618	-0.21345	-1.99117	0.048056	0.400898
	-0.22231	-1.99729	0.047381	0.399167
	0.127458	1.985438	0.048696	0.402645
	0.106409	1.997702	0.047336	0.39905
	-0.15189	-1.99354	0.047794	0.400294

LCOR	-0.20262	-1.99147	0.048023	0.400794
	0.190009	1.998169	0.047285	0.398874
ALDH3B1;ENSG00000255306;TBC1D10C;UNC93B1;PITPNM1	-0.37487	-2.00023	0.04706	0.398308
	-0.18804	-1.99279	0.047877	0.40043
	0.238872	1.99978	0.047109	0.398425
	0.154187	1.998534	0.047245	0.398789
	-0.22393	-1.997	0.047413	0.399225
	0.310196	1.991201	0.048053	0.400898
SNORA38B	-0.13562	-1.99379	0.047767	0.400285
	-0.19891	-1.992	0.047965	0.400631
HARBI1;C11orf49;AGBL2;CELF1;PTPRJ;KBTBD4	0.204611	1.9962	0.047501	0.399498
	0.226086	1.996903	0.047424	0.399225
TMEM176A	0.154456	1.998981	0.047196	0.398689
	0.126727	1.997526	0.047356	0.39905
	-0.32674	-1.99783	0.047322	0.399002
	-0.15687	-1.99763	0.047344	0.39905
	-0.18905	-1.99717	0.047394	0.399204
SHANK2	0.320468	2.001647	0.046906	0.397808
	-0.14801	-1.99723	0.047388	0.399171
	0.256557	2.001147	0.04696	0.397987
	0.19948	1.997637	0.047344	0.39905
	0.215122	1.996404	0.047479	0.399384
	0.122477	1.994412	0.047698	0.400073
WISP1;NDRG1	-0.2955	-1.9946	0.047678	0.400004
	-0.10135	-1.98966	0.048225	0.40136
	0.305745	1.992523	0.047907	0.400505
	0.268569	1.997141	0.047398	0.39921
FAM227B;SECISBP2L;GALK2	0.211185	1.99536	0.047594	0.39976
RNF212;TACC3	-0.2366	-2.00073	0.047006	0.398107
	-0.20847	-1.99334	0.047816	0.400318
	-0.24709	-1.99496	0.047638	0.399931
	-0.19382	-2.00025	0.047058	0.3983
	0.257897	1.998175	0.047285	0.398874
ENSG00000229064	-0.37506	-1.99615	0.047507	0.399506
	-0.1893	-1.99934	0.047158	0.398604
	-0.30774	-1.99648	0.04747	0.399339
SNHG15	0.280752	1.998664	0.047231	0.398772
NBAS;ENSG00000234022	-0.3301	-1.99604	0.047518	0.399526
	0.153331	1.999105	0.047183	0.398668
BAI1	-0.31078	-1.99051	0.04813	0.401144
	-0.17414	-1.99611	0.047511	0.399506
ARID4A	0.229922	1.996759	0.04744	0.399292
TGFB1I1;PRSS53	0.245616	2.000755	0.047003	0.398107
	0.2059	1.997741	0.047332	0.399049
	-0.26927	-1.99892	0.047203	0.398695
	0.167504	1.99911	0.047182	0.398668

	-0.16524	-1.9992	0.047172	0.398655
	0.193398	1.995073	0.047625	0.399846
	-0.19004	-1.9931	0.047843	0.400393
C17orf62	0.220731	1.994406	0.047699	0.400073
FRY	0.281735	2.000433	0.047038	0.398211
	-0.1843	-1.99933	0.047158	0.398604
	-0.14142	-1.9979	0.047314	0.398995
	0.138086	1.993456	0.047803	0.400294
	-0.2883	-2.00063	0.047016	0.398148
MAP4K1;ZNF607	-0.1823	-1.99623	0.047498	0.399486
	-0.19244	-1.99482	0.047653	0.399962
TPPP;LPCAT1;TRIP13	0.356706	1.998043	0.047299	0.398906
	0.311376	1.996905	0.047424	0.399225
	0.247175	1.996614	0.047456	0.399317
	0.280561	2.000794	0.046999	0.398107
	0.278686	1.997569	0.047351	0.39905
MCF2L2	0.267346	1.997708	0.047336	0.39905
	0.175613	1.982859	0.048986	0.40347
HLA-DPA1	0.19969	1.993186	0.047833	0.400377
	0.18073	1.996923	0.047422	0.399225
	0.115317	1.996718	0.047444	0.399302
	-0.24049	-1.98416	0.04884	0.403025
	0.132318	1.998449	0.047255	0.398837
	0.104807	1.989649	0.048226	0.40136
	-0.26973	-1.99676	0.04744	0.399292
	0.176752	1.987428	0.048473	0.402023
	0.182368	1.999225	0.04717	0.398655
	0.226524	1.997839	0.047321	0.399002
	-0.19505	-1.99581	0.047544	0.39965
APBB2;RBM47	0.256926	1.998192	0.047283	0.398874
MFSD6;GLS;MYO1B;NAB1	-0.37572	-1.99328	0.047823	0.400333
	0.173887	1.994585	0.047679	0.400004
	-0.15682	-1.99985	0.047102	0.398425
CCDC125;CDK7;MARVELD2;OCLN;ENSG00000250237;CCNB1;R				
AD17;SLC30A5;MRPS36;ENSG00000249588	-0.35956	-1.98835	0.04837	0.401823
	0.24909	1.991142	0.04806	0.400898
	-0.12886	-1.99259	0.047899	0.400502
	-0.17888	-1.99553	0.047575	0.399748
DNM3OS	0.312201	1.996119	0.04751	0.399506
	-0.14316	-1.99434	0.047706	0.40011
	0.175404	1.996831	0.047432	0.399266
ENSG00000257438;NUAK1	-0.27992	-1.99035	0.048147	0.401191
MSRB1	-0.32682	-1.99805	0.047298	0.398906
	-0.1877	-1.99863	0.047235	0.398772
RPAP2;GFI1	-0.285	-1.9978	0.047326	0.399013
ALMS1-IT1;ENSG00000270571	-0.12344	-1.99445	0.047694	0.400069
LINC00338	-0.17906	-1.99667	0.04745	0.399317

	-0.13744	-1.99621	0.0475	0.399493
	0.293903	1.999403	0.04715	0.398575
	0.197656	1.999553	0.047134	0.398487
AGAP1	0.221257	1.996097	0.047512	0.399506
	-0.13986	-1.99255	0.047904	0.400504
FBXO44;MIIP;FBXO2	-0.48083	-1.99835	0.047265	0.398859
LRCH3	-0.14948	-1.9932	0.047832	0.400377
	-0.1292	-1.99544	0.047585	0.399748
	-0.34055	-1.99671	0.047445	0.399302
	0.252962	1.999591	0.04713	0.39847
EXOSC10;PIK3CD;APITD1;RBP7	0.276945	1.996749	0.047441	0.399292
NUP210	0.206799	1.998058	0.047297	0.398906
	0.268318	1.994637	0.047673	0.400002
	-0.26237	-1.99629	0.047492	0.399443
JAK3;FCHO1;IL12RB1;MAST3;FAM129C;ENSG00000254503	-0.31458	-1.99913	0.04718	0.398668
TNK1	-0.26039	-1.99508	0.047624	0.399846
	0.191248	1.989556	0.048236	0.401373
	0.171937	1.98807	0.048402	0.401854
	0.221126	1.992099	0.047954	0.400591
	0.17277	1.990792	0.048099	0.40108
	0.17266	1.992268	0.047935	0.400554
	0.199326	1.989618	0.048229	0.401363
	0.204048	2.000221	0.047061	0.398311
	-0.2768	-1.99699	0.047415	0.399225
	0.147508	1.99875	0.047222	0.398772
	-0.1496	-1.99333	0.047818	0.400318
	-0.16197	-1.98902	0.048296	0.401619
	-0.27242	-1.99202	0.047963	0.400631
C4orf32;ANK2;ENSG00000260526	0.225922	1.992202	0.047942	0.400559
	-0.25739	-2.00015	0.047069	0.398324
	0.21168	1.994903	0.047644	0.399942
	-0.15123	-1.99145	0.048026	0.400804
	0.177903	1.998271	0.047274	0.398868
	-0.2451	-1.99529	0.047602	0.399761
	0.165018	1.989513	0.048241	0.401374
	0.128606	1.992332	0.047928	0.400541
	-0.14043	-1.99185	0.047981	0.40071
	-0.17229	-1.99706	0.047407	0.399225
	0.128229	1.99419	0.047723	0.400163
AOC3;TUBG2;CNTNAP1;BECN1;PTRF;ATP6V0A1;ENSG0000026				
7221;MPP2;MEOX1;COASY;RUNDC1;RAMP2-AS1;HSD17B1P1	0.151408	1.995865	0.047538	0.399619
	0.167589	1.995605	0.047567	0.39973
NOP14-AS1	0.196708	1.995445	0.047584	0.399748
	-0.17717	-1.99688	0.047427	0.399235
NPLOC4;OXLD1	-0.30903	-1.99203	0.047962	0.400631

LHX6	0.421363	1.998614	0.047237	0.398772
	-0.20768	-1.991	0.048076	0.400967
	0.09971	1.993599	0.047788	0.400294
	0.312142	1.993507	0.047798	0.400294
CNTD1;TMEM106A	0.218792	1.995734	0.047552	0.399664
TRAF3IP3	0.305888	1.994744	0.047661	0.399977
	-0.34209	-1.99544	0.047585	0.399748
	0.193303	1.988992	0.048299	0.401619
	0.144507	1.990006	0.048186	0.401237
	0.117243	1.990249	0.048159	0.401217
	-0.1946	-1.99477	0.047659	0.399976
MLLT4;THBS2	-0.29415	-1.99548	0.04758	0.399748
	-0.2339	-1.98895	0.048303	0.401619
KMT2A;PHLDB1;UBE4A;MCAM;HMBS;MPZL2;TRIM29;SCN2B	-0.18169	-1.99882	0.047214	0.398747
PGM2L1;POLD3;PLEKHB1;DNAJB13;UCP2;C2CD3;ENSG000002				
54837;PPME1;ENSG00000255847;KCNE3;MRPL48;FCHSD2;AR				
HGEF17;LIPT2	-0.26464	-1.98389	0.04887	0.40307
	0.197486	1.994725	0.047663	0.399977
	-0.10748	-1.99659	0.047458	0.399317
	0.259435	1.997294	0.047381	0.399167
	-0.23221	-1.99344	0.047806	0.400294
	0.249128	1.994648	0.047672	0.400002
ZC2HC1C;IFT43;DLST;TTLL5;ACYP1	-0.17177	-1.99126	0.048047	0.400861
TNS1;RQCD1;TTLL4;STK36;CTDSP1;PNKD;C2orf62;CXCR2;ZNF14				
2;ENSG00000224414;DIRC3	0.226837	1.989267	0.048268	0.401502
PPP5D1;SAE1	-0.14219	-1.9937	0.047777	0.400294
	0.242531	1.991421	0.048029	0.400804
	-0.23308	-2.00067	0.047012	0.398133
	-0.2075	-1.99223	0.04794	0.400557
	0.261626	1.995122	0.04762	0.399842
	-0.18234	-1.99446	0.047693	0.400069
CSF1;AMPD2	-0.19963	-1.99172	0.047996	0.400756
LCNL1;PTGDS;UAP1L1;UBAC1	-0.18969	-1.99966	0.047122	0.39845
	0.183819	1.999162	0.047177	0.398668
LEPREL2	0.232361	1.993034	0.04785	0.400408
	0.215553	1.991997	0.047965	0.400631
	-0.2371	-1.99653	0.047465	0.399317
	0.252558	1.994607	0.047676	0.400004
NUP43	-0.15596	-1.99908	0.047186	0.398668
PDE9A;CBS;SLC37A1;ENSG00000225331;CSTB;ICOSLG	-0.31144	-1.98314	0.048955	0.403348
	0.239022	1.989442	0.048249	0.401403
	0.205569	1.998304	0.04727	0.398868
EPB41L1;SLA2	0.28372	1.998783	0.047218	0.398772
	-0.15594	-1.99174	0.047994	0.400756
	-0.15953	-1.99081	0.048097	0.40108
	0.251274	1.998145	0.047288	0.398874

	0.199148	1.989066	0.048291	0.401608
	-0.18243	-1.99509	0.047623	0.399846
	0.175888	1.990696	0.048109	0.401122
	-0.30606	-1.99411	0.047731	0.400185
	0.243222	1.991326	0.048039	0.400834
ENSG00000251637;RBM14;ENSG00000255306	-0.20016	-1.99033	0.048149	0.401191
	-0.13336	-1.99346	0.047803	0.400294
	0.263341	1.993268	0.047824	0.400333
ENSG00000260285	-0.22016	-1.99724	0.047387	0.39917
NTAN1	-0.22592	-1.99288	0.047867	0.400421
	-0.17175	-1.99573	0.047553	0.399664
	-0.23715	-1.99701	0.047412	0.399225
	0.134569	1.995354	0.047594	0.39976
	-0.14502	-1.99253	0.047906	0.400505
	0.299491	2.000134	0.047071	0.398324
	-0.19145	-1.99629	0.047491	0.399443
	-0.17983	-1.99345	0.047804	0.400294
	0.238712	1.993445	0.047805	0.400294
	-0.12754	-1.9942	0.047721	0.400157
	0.172219	1.993017	0.047852	0.400408
	0.182776	1.996188	0.047503	0.399501
	0.218526	1.992557	0.047903	0.400504
	0.281646	1.992405	0.04792	0.400533
NCKAP1L	0.197758	1.994713	0.047665	0.399977
ANO1;CTTN	0.255307	1.993419	0.047808	0.400295
SPRY4	-0.38181	-1.98587	0.048648	0.402478
PIGV;CEP85;PDIK1L;TRNP1;FAM110D;HMGN2;C1orf172;RPS6KA1;NUDC;WDTC1;PAFAH2;CD164L2	-0.34229	-1.98723	0.048495	0.402056
	0.178526	1.996575	0.04746	0.399317
FAU	0.198937	1.996474	0.047471	0.399339
UBE2E1	-0.29975	-1.98897	0.048302	0.401619
	0.292923	1.994755	0.04766	0.399977
	0.180115	1.999026	0.047192	0.39868
	-0.25234	-1.99346	0.047803	0.400294
	0.180549	1.990148	0.04817	0.401237
	0.271363	1.990579	0.048122	0.401122
ENSG00000259924;CLPX	0.152734	1.990288	0.048155	0.401211
	0.194692	1.993552	0.047793	0.400294
	-0.17614	-1.98933	0.048262	0.401462
WNT9A;RAB4A	0.309515	1.997531	0.047355	0.39905
	-0.28384	-1.9971	0.047402	0.399216
	-0.28902	-1.99356	0.047792	0.400294
ZDHHC13;PRMT3;E2F8;HTATIP2	-0.29462	-1.99236	0.047925	0.400541
	0.115657	1.993877	0.047757	0.400271
	0.210918	1.999398	0.047151	0.398575
	0.199748	1.994234	0.047718	0.400151
	0.258448	1.998348	0.047266	0.398859

NRROS	-0.32792	-1.99477	0.047659	0.399976
	-0.17296	-1.99184	0.047982	0.40071
	-0.15502	-1.99448	0.047691	0.400069
	-0.22245	-1.99732	0.047378	0.399167
	-0.29241	-1.99571	0.047555	0.399678
	0.124557	1.994712	0.047665	0.399977
	0.289225	1.986128	0.048619	0.402409
	-0.23852	-1.99391	0.047754	0.400261
	-0.14865	-1.99547	0.047581	0.399748
	0.225628	1.992852	0.04787	0.400421
NEDD9;TMEM14B;SYCP2L;C6orf52	-0.34648	-1.98917	0.048279	0.401569
	0.132971	1.992163	0.047947	0.400575
	-0.16077	-1.98978	0.048211	0.401307
	0.188435	1.988958	0.048303	0.401619
TACC3	0.140334	1.993363	0.047814	0.400318
	0.172828	1.996588	0.047459	0.399317
SMTN;DUSP18;SEC14L4;ENSG00000198832;SEC14L3;CCDC157 ;EIF4ENIF1;ENSG00000181123;LIMK2	-0.29037	-1.98833	0.048372	0.401823
	-0.18127	-1.99311	0.047842	0.400393
ZG16B;MSRB1	-0.22442	-1.99653	0.047465	0.399317
	-0.1743	-1.99177	0.04799	0.400756
PDZD8	-0.26773	-1.99315	0.047837	0.400391
	0.264416	1.995842	0.047541	0.399632
UQCRQ;SOWAHA;HSPA4	-0.27618	-1.99381	0.047764	0.400285
	-0.18365	-1.99305	0.047848	0.4004
MAP4K1	0.306845	1.99569	0.047557	0.399686
	-0.19651	-1.99644	0.047474	0.399359
	0.159024	1.992458	0.047914	0.400516
	0.102843	1.992399	0.04792	0.400533
	0.274602	1.997873	0.047318	0.399002
	-0.22982	-1.98992	0.048195	0.401263
ENSG00000115128	-0.25578	-1.99607	0.047515	0.399521
IQGAP3	-0.13229	-1.984	0.048858	0.403031
C3orf18;LAMB2;CACNA2D2;GPX1;RASSF1;UBA7;SEMA3B	-0.34644	-1.9953	0.047601	0.39976
ENSG00000225744;MERTK	-0.30728	-1.98768	0.048445	0.401969
	-0.25603	-1.99516	0.047615	0.399822
	0.108004	1.98335	0.048931	0.403256
	0.228024	1.994611	0.047676	0.400004
	0.161828	1.994422	0.047697	0.400073
TEX21P	0.207073	1.985724	0.048664	0.402509
ADCY7;SNX20;CYLD	0.285892	1.995764	0.047549	0.399661
	-0.16821	-1.99654	0.047464	0.399317
TIE1;PTPRF;TMEM125;C1orf210;ERI3;LEPRE1;EBNA1BP2;ST3G AL3;SLC2A1	-0.18161	-1.98845	0.048359	0.401809
	0.222715	1.992983	0.047856	0.400415
	0.252725	1.998496	0.047249	0.398817

	-0.19181	-1.98582	0.048654	0.402478
DARS2	0.231192	1.99556	0.047572	0.399744
	-0.19109	-1.99294	0.047861	0.400415
	-0.21569	-1.99477	0.047659	0.399976
	0.163056	1.991396	0.048032	0.400804
	0.148375	1.990336	0.048149	0.401191
	-0.27793	-1.99825	0.047277	0.398874
	0.24549	1.994416	0.047698	0.400073
	-0.24669	-1.99187	0.047979	0.40071
	-0.11485	-1.99254	0.047905	0.400504
	-0.15646	-1.99907	0.047187	0.398668
	-0.15266	-1.99268	0.04789	0.400487
	0.231333	1.993067	0.047847	0.4004
DHX58	0.213616	1.996524	0.047466	0.399317
	-0.22632	-1.99286	0.04787	0.400421
	0.271627	1.997524	0.047356	0.39905
	0.216083	1.991408	0.04803	0.400804
	0.234655	1.990502	0.048131	0.401144
	-0.26289	-1.99484	0.047651	0.399962
	0.16107	1.998184	0.047284	0.398874
	-0.3078	-1.98977	0.048213	0.401313
	0.28184	1.993797	0.047766	0.400285
	0.142332	1.993639	0.047783	0.400294
	0.144291	1.993374	0.047813	0.400318
	-0.19784	-1.98861	0.048341	0.401763
	0.167278	1.988139	0.048394	0.401842
	0.20919	1.996826	0.047432	0.399266
	-0.17223	-1.99464	0.047673	0.400002
	-0.20894	-1.99458	0.047679	0.400004
	0.145384	1.987232	0.048495	0.402056
	-0.30446	-1.99346	0.047803	0.400294
	-0.17919	-1.99201	0.047963	0.400631
	-0.19542	-1.99332	0.047818	0.400318
IGF2;NAP1L4	0.177412	1.992925	0.047862	0.400415
	0.15279	1.999059	0.047188	0.398668
	0.242564	1.991417	0.048029	0.400804
	-0.16485	-1.99742	0.047367	0.399099
	-0.22709	-1.98988	0.0482	0.401284
	-0.16421	-1.98665	0.048561	0.402227
HLA-E;HCP5;C2;HLA-B	0.280001	1.997016	0.047412	0.399225
	0.175423	1.990043	0.048182	0.401237
	0.241204	1.995364	0.047593	0.39976
ARID3A;MISP;HMHA1;MOB3A;SHC2;REEP6	-0.18505	-1.98731	0.048487	0.402056
	0.263852	1.993549	0.047793	0.400294
	-0.28825	-1.99547	0.047582	0.399748
	-0.30412	-1.98678	0.048546	0.402182
	0.302206	1.996033	0.047519	0.399526

	-0.25164	-1.99354	0.047794	0.400294
ENSG00000263916	0.109055	1.994228	0.047718	0.400151
	-0.14732	-1.99046	0.048135	0.401147
	0.169189	1.992434	0.047917	0.400517
ENSG00000214283	0.206809	1.989406	0.048253	0.401419
	0.245753	1.995366	0.047593	0.39976
	0.262396	1.989491	0.048243	0.401379
	0.259255	1.993912	0.047753	0.400261
	-0.22263	-1.98844	0.04836	0.401814
	0.25882	1.996692	0.047447	0.399311
CRNDE;IRX3;IRX5;RPGRIP1L	0.293522	1.992649	0.047893	0.400498
	0.349825	1.991726	0.047995	0.400756
	-0.22061	-1.98827	0.048379	0.401823
	-0.28996	-1.9858	0.048656	0.402482
	-0.14628	-1.99633	0.047487	0.399416
	0.203583	1.991676	0.048001	0.400756
	0.250969	1.994912	0.047643	0.399942
MCAT;TTLL1;NFAM1	-0.30725	-1.99184	0.047982	0.40071
	0.198339	1.9943	0.04771	0.400127
GPATCH8;BECN1;MPP3;RPL27;NBR1;TMEM101	-0.25259	-1.99377	0.047769	0.400286
	-0.16026	-1.98744	0.048473	0.402023
TNFRSF1B	-0.28141	-1.9935	0.047799	0.400294
	-0.22532	-1.99398	0.047745	0.400224
	0.266224	1.993529	0.047795	0.400294
	-0.33234	-1.99362	0.047785	0.400294
TMEM116;TCTN1;SH2B3;GPN3;ARPC3	0.196112	1.987122	0.048508	0.402076
ISLR	0.170365	1.990026	0.048184	0.401237
	-0.3028	-1.98434	0.048819	0.402934
	-0.23189	-1.99314	0.047838	0.400393
	-0.18744	-1.98947	0.048246	0.401391
VCL;ZNF503	-0.26386	-1.98628	0.048602	0.402374
BATF;FLVCR2;ZC2HC1C	0.330131	1.996125	0.047509	0.399506
	0.20368	1.981334	0.049159	0.403888
	0.151543	1.992829	0.047873	0.400421
SPEG;STK16;DES;RQCD1;GLB1L;ZNF142;STK11IP	0.299434	1.99694	0.04742	0.399225
	0.135229	1.991209	0.048052	0.400898
	-0.16556	-1.99245	0.047915	0.400516
	0.194496	1.988066	0.048402	0.401854
	-0.3264	-1.99302	0.047851	0.400408
CEP85;ZNF683	-0.18861	-1.99692	0.047422	0.399225
	0.252021	1.993937	0.04775	0.400247
	0.239158	1.99115	0.048059	0.400898
	0.22039	1.99411	0.047731	0.400185
	0.155001	1.990549	0.048126	0.40113
ELMO1;SFRP4	-0.34562	-1.99294	0.047861	0.400415
	-0.11725	-1.9906	0.04812	0.401122
C14orf37;GPR135	0.119951	1.993334	0.047817	0.400318

	0.192597	1.991317	0.04804	0.400834
	0.208341	1.993539	0.047794	0.400294
	-0.23949	-1.99712	0.047401	0.39921
	0.275825	1.995068	0.047626	0.399846
	-0.18801	-1.99159	0.048011	0.400756
	0.193896	1.99567	0.047559	0.399694
	-0.176	-1.99762	0.047345	0.39905
	0.152407	1.984028	0.048855	0.403031
	0.253804	1.996382	0.047481	0.399384
	0.179388	1.998696	0.047228	0.398772
	0.156983	1.992059	0.047958	0.400613
	0.135158	1.994632	0.047674	0.400002
	-0.30732	-1.99543	0.047586	0.399749
	0.240008	1.994054	0.047738	0.400194
	-0.13859	-1.99269	0.047888	0.400487
	-0.26608	-1.99425	0.047716	0.400145
	0.189619	1.990188	0.048166	0.401234
	0.146961	1.986795	0.048544	0.402182
	-0.15597	-1.99058	0.048122	0.401122
FAM110C	-0.25769	-1.98693	0.048529	0.40214
	-0.21122	-1.99566	0.04756	0.399694
PCDH12;ARHGAP26;SPRY4	-0.21346	-1.99134	0.048038	0.400834
	-0.14174	-1.99493	0.047641	0.399932
CBX2;C1QTNF1;RNF213;CBX8;CCDC40;ENSG00000263069	0.415426	1.990403	0.048142	0.401168
ARPC5	0.213914	1.986833	0.04854	0.402181
GOT2;CNOT1	-0.24285	-1.9958	0.047545	0.399655
	0.151098	1.991258	0.048047	0.400861
GFM1	0.344138	1.993682	0.047779	0.400294
	-0.29164	-1.99359	0.047789	0.400294
	-0.15248	-1.99469	0.047667	0.399984
	0.293788	1.997502	0.047358	0.39905
PPP1R7	-0.30281	-1.9876	0.048454	0.401999
	-0.34515	-1.99005	0.048181	0.401237
	0.233352	1.991576	0.048012	0.400756
	0.20168	1.988751	0.048326	0.401703
LIFR;DAB2;EGFLAM	0.294111	1.9932	0.047832	0.400377
	-0.26246	-1.99283	0.047872	0.400421
	-0.12378	-1.98953	0.048239	0.401373
	-0.13014	-1.99416	0.047725	0.400164
LENG9;HSPBP1	0.161105	1.989847	0.048204	0.401284
	0.183954	1.996034	0.047519	0.399526
	-0.12472	-1.98612	0.04862	0.402409
	-0.16265	-1.99367	0.04778	0.400294
TRPV2;ADORA2B;ZSWIM7;ZNF287;TBC1D27	-0.34038	-1.99444	0.047695	0.400069
	0.169764	1.985439	0.048696	0.402645
	-0.15184	-1.99372	0.047774	0.400294

	-0.24656	-1.99309	0.047844	0.400393
SEPT4;MRPS23;SUPT4H1;VEZF1;GDPD1;YPEL2;TRIM37	0.174546	1.992847	0.047871	0.400421
	-0.20268	-1.98545	0.048695	0.402645
	-0.19361	-1.99708	0.047405	0.399225
SLFN12L;ENSG00000267554;ENSG00000255987;ENSG00000267369;ENSG00000267074	-0.24102	-1.99332	0.047819	0.400318
KRT80;TENC1	0.195731	1.995416	0.047587	0.399751
ENSG00000233068	0.221578	1.993623	0.047785	0.400294
	0.208687	1.990229	0.048161	0.401221
	0.234404	1.994208	0.047721	0.400157
RAPGEF4	0.219265	1.992286	0.047933	0.400554
RIMS4	-0.22438	-1.98884	0.048316	0.401678
	-0.13933	-1.99169	0.047998	0.400756
ENSG00000197502	0.219702	1.992189	0.047944	0.400563
STARD13	-0.30764	-1.9853	0.048712	0.402675
	0.221976	1.988307	0.048375	0.401823
MRGPRF	-0.26381	-1.99246	0.047913	0.400516
	-0.12925	-1.98532	0.04871	0.402674
FERMT3;CCDC88B	0.192425	1.992888	0.047866	0.400421
	0.217568	1.988943	0.048304	0.401622
	0.17158	1.99344	0.047805	0.400294
	0.191556	1.995636	0.047563	0.399713
RASAL3	-0.68112	-1.99595	0.047529	0.399574
SHANK2;SHANK2-AS1;SHANK2-AS3	0.341169	1.995161	0.047616	0.399822
	0.248527	1.99395	0.047749	0.400243
SERPINB1;WRNIP1;PRPF4B	-0.21011	-1.99383	0.047762	0.400285
	-0.18581	-1.99153	0.048017	0.400769
	0.16308	1.99278	0.047878	0.400432
	-0.15174	-1.99109	0.048066	0.400923
	-0.22218	-1.99221	0.047941	0.400557
C1orf189;SHC1;MTX1;YY1AP1;SLC25A44;ENSG00000231064;EFNA4;THBS3;ASH1L;ASH1L-AS1;SEMA4A;MEX3A;SHE;RUSC1;LMNA;ZBTB7B;ADAM15	-0.19058	-1.99077	0.048101	0.401088
FKBP10;PTRF;ATP6V0A1;KRT23	-0.17891	-1.99368	0.047779	0.400294
	0.240656	1.991	0.048076	0.400967
	0.193708	1.985105	0.048734	0.402731
FYN	0.377325	1.996104	0.047512	0.399506
	0.243238	1.990798	0.048098	0.40108
	-0.31875	-1.99744	0.047365	0.399098
	0.208034	1.984401	0.048813	0.402927
LRRC32;CAPN5;DGAT2	0.349896	1.995452	0.047583	0.399748
	-0.0899	-1.99192	0.047974	0.400681
PLXND1	-0.16677	-1.99358	0.04779	0.400294
	0.109749	1.991697	0.047998	0.400756
KLHDC7A;AKR7A2;ARHGEF10L	-0.25339	-1.98795	0.048415	0.401869
TCTEX1D1;DNAJC6	-0.29201	-1.9956	0.047567	0.39973

MYO1G	-0.24243	-1.99639	0.04748	0.399384
RGS11	0.200162	1.985373	0.048704	0.402655
RAB6B	-0.25599	-1.9916	0.048009	0.400756
CGN;SELENBP1;RORC;GOLPH3L;THEM4;BNIPL;ADAMTSL4;HRNR;CTSK;S100A11;ENSA;CTSS;SEMA6C;FLG;POGZ;PSMD4;ENSG00000269621	-0.311	-1.9896	0.048232	0.401373
SPIN1;SHC3;SEMA4D	-0.27514	-1.98643	0.048585	0.402326
	-0.29176	-1.99544	0.047585	0.399748
	0.277424	1.992333	0.047928	0.400541
	-0.1844	-1.99535	0.047595	0.39976
	0.176379	1.992599	0.047898	0.400502
MLLT4	0.23649	1.995448	0.047584	0.399748
SASH1	0.275528	1.98605	0.048628	0.402424
	0.193167	1.990061	0.04818	0.401237
	-0.12098	-1.99299	0.047855	0.400415
	0.251972	1.990929	0.048083	0.400986
ARID3A;HMHA1;MOB3A	-0.23944	-1.99523	0.047607	0.399778
	0.19184	1.991626	0.048006	0.400756
APOL3;MFNG;C22orf23	0.28758	1.985933	0.048641	0.40247
	0.101871	1.992669	0.047891	0.400487
	-0.14896	-1.99485	0.04765	0.399962
RBPMS;KIF13B;GSR;GTF2E2;DUSP4;HMBOX1;TMEM66	0.270906	1.992341	0.047927	0.400541
IL21R;KIAA0556;ENSG00000261329;ENSG00000245888;GTF3C1;KDM8	0.357732	1.993989	0.047745	0.400224
	0.200397	1.987645	0.048449	0.401974
	-0.12612	-1.9897	0.04822	0.401344
	-0.19242	-1.9864	0.048588	0.402337
VWA7;LY6G5C;CCHCR1;SLC44A4;NELFE;HSPA1L;TCF19	-0.24005	-1.99064	0.048115	0.401122
	-0.19317	-1.98066	0.049235	0.40409
	-0.22213	-1.99062	0.048117	0.401122
	-0.17305	-1.98519	0.048724	0.402707
	0.254248	1.988992	0.048299	0.401619
	0.247933	1.992066	0.047957	0.400613
	0.110613	1.990061	0.04818	0.401237
	0.198639	1.992595	0.047899	0.400502
	0.237187	1.997662	0.047341	0.39905
	-0.20057	-1.98952	0.04824	0.401373
	0.161171	1.990222	0.048162	0.401221
	0.331155	1.99523	0.047608	0.399778
	0.16336	1.987782	0.048434	0.401941
	-0.21149	-1.98379	0.048881	0.403079
SCEL	-0.26074	-1.98835	0.04837	0.401823
	0.198041	1.987079	0.048512	0.402078
	0.17383	1.984835	0.048764	0.402772
INHBA;GLI3	0.224323	1.990603	0.04812	0.401122
	0.257858	1.993537	0.047795	0.400294
	0.222157	1.994449	0.047694	0.400069

	0.18868	1.995135	0.047618	0.399838
	0.179002	1.988574	0.048345	0.401772
	-0.11183	-1.98939	0.048254	0.40142
	0.280342	1.99021	0.048163	0.401221
PSMG3	0.124772	1.993155	0.047837	0.400391
	0.211556	1.983823	0.048878	0.40307
	-0.17666	-1.99064	0.048116	0.401122
TMEM119;ACACB;WSCD2;KCTD10	0.175232	1.987157	0.048504	0.402059
	0.233817	1.992817	0.047874	0.400421
ZCCHC10;UQCRQ	-0.24023	-1.9954	0.047589	0.39976
	0.217022	1.993602	0.047787	0.400294
	-0.20631	-1.99281	0.047875	0.400421
	-0.20724	-1.99376	0.04777	0.400287
GLIS1	-0.24563	-1.9933	0.04782	0.400324
	-0.31328	-1.9916	0.048009	0.400756
	0.305333	1.994795	0.047656	0.399976
ACP5;DOCK6;EPOR;ZNF44;KANK2;QTRT1;RGL3;CNN1;AP1M2;Z				
NF69;CCDC159	-0.28301	-1.99026	0.048157	0.401217
	0.217965	1.990328	0.04815	0.401191
ADAMTS6;RNF180	0.290343	1.989681	0.048222	0.401352
	-0.1381	-1.99056	0.048124	0.40113
NOP2;CD9	-0.26328	-1.9951	0.047622	0.399846
	0.269564	1.99238	0.047923	0.400541
	-0.18372	-1.9909	0.048086	0.401003
	0.116469	1.989253	0.04827	0.401506
	0.117589	1.9888	0.04832	0.401691
LRRC59	-0.22776	-1.99343	0.047807	0.400294
HECW1	0.257546	1.987876	0.048423	0.4019
AHNAK;CHRM1	-0.17002	-1.9883	0.048376	0.401823
SYNGR2	-0.16354	-1.99161	0.048008	0.400756
	-0.19993	-1.98436	0.048817	0.402934
	0.19761	1.991576	0.048012	0.400756
	0.209276	1.989854	0.048203	0.401284
PSMB2;KIAA0319L	0.461948	1.98846	0.048358	0.401809
	-0.14399	-1.98801	0.048409	0.401854
MIA3	-0.15399	-1.98657	0.04857	0.402262
HIF3A	0.210453	1.992451	0.047915	0.400516
	-0.28544	-1.99483	0.047651	0.399962
FGGY	0.262246	1.994297	0.047711	0.400127
	0.245525	1.991405	0.048031	0.400804
SCARF1	-0.21937	-1.99578	0.047547	0.399661
	0.297544	1.98896	0.048302	0.401619
	-0.15177	-1.99247	0.047913	0.400516
RALGPS1	0.27582	1.988567	0.048346	0.401772
	0.14891	1.990701	0.048109	0.401122
FOXN1	-0.24602	-1.99147	0.048023	0.400794
	-0.17021	-1.98033	0.049272	0.40412

	0.165528	1.9915	0.04802	0.400786
ENSG00000249852	0.160918	1.994734	0.047662	0.399977
	0.125166	1.991984	0.047966	0.400636
	0.26675	1.994704	0.047666	0.399977
	0.117496	1.9879	0.048421	0.401897
	-0.15009	-1.99346	0.047804	0.400294
IRF4	0.246196	1.99263	0.047895	0.400502
PIK3R6;ARHGEF15;CTC1	0.207984	1.991545	0.048015	0.40076
	-0.12613	-1.99381	0.047764	0.400285
	0.239237	1.990942	0.048082	0.400981
	-0.20911	-1.99273	0.047883	0.400467
	0.186831	1.990638	0.048116	0.401122
	0.217057	1.993523	0.047796	0.400294
LDB2	-0.20984	-1.98815	0.048393	0.401841
MS4A8;DAK;PPP1R32;LRRC10B	-0.32177	-1.98672	0.048552	0.402182
TPPP	0.216124	1.982835	0.048989	0.40347
BMP6;TXNDC5	-0.39102	-1.99587	0.047538	0.399619
SDC4;PIGT;TOMM34;DNTTIP1;WFDC2	-0.28422	-1.9923	0.047931	0.400551
ZNF850	0.222238	1.989534	0.048238	0.401373
	0.180947	1.991044	0.048071	0.40095
	-0.14081	-1.99545	0.047584	0.399748
	-0.11919	-1.98875	0.048326	0.401703
	0.125336	1.983468	0.048918	0.403216
	0.212797	1.992335	0.047927	0.400541
	-0.20567	-1.98909	0.048288	0.4016
	0.150625	1.98753	0.048462	0.402018
	0.120274	1.987365	0.04848	0.40203
	-0.39904	-1.99166	0.048002	0.400756
	-0.10692	-1.98817	0.04839	0.401841
CPVL	0.3516	1.993979	0.047746	0.400224
	-0.16344	-1.99404	0.04774	0.400204
	-0.14493	-1.99042	0.04814	0.401158
	-0.1829	-1.98998	0.048188	0.401237
PAG1	0.228742	1.983068	0.048963	0.403361
CDHR3;RINT1;EFCAB10;ENSG00000272604	0.23553	1.986134	0.048618	0.402409
ACE	-0.21755	-1.99003	0.048183	0.401237
	0.37173	1.990459	0.048136	0.401147
	0.202293	1.993742	0.047772	0.400294
	-0.19549	-1.98992	0.048195	0.401263
	-0.19567	-1.99286	0.047869	0.400421
	0.115038	1.976296	0.049732	0.40528
	-0.29249	-1.98717	0.048502	0.402056
	-0.20281	-1.98978	0.048211	0.401307
	-0.16193	-1.9906	0.04812	0.401122
	-0.1996	-1.98052	0.049251	0.404119
	0.150751	1.989145	0.048282	0.401574
	-0.18796	-1.99211	0.047952	0.400589

C5AR2	-0.17415	-1.98506	0.048739	0.402731
	-0.2883	-1.99232	0.047929	0.400541
	0.256304	1.986695	0.048555	0.402194
	0.189528	1.990545	0.048126	0.40113
	-0.17309	-1.99004	0.048182	0.401237
ZBTB7C	-0.25784	-1.98741	0.048475	0.402023
	0.160006	1.989627	0.048228	0.401363
	0.176775	1.984705	0.048779	0.40283
	0.266915	1.988288	0.048377	0.401823
	0.240316	1.993002	0.047854	0.400414
	0.175703	1.992372	0.047923	0.400541
	-0.29217	-1.98348	0.048917	0.403214
	0.175848	1.988221	0.048385	0.401841
	-0.30677	-1.98606	0.048626	0.402419
MCAM;CBL;TRIM29	-0.4094	-1.98112	0.049183	0.403897
	-0.12739	-1.9816	0.049129	0.403857
	0.218594	1.990991	0.048076	0.400967
	-0.21296	-1.98767	0.048446	0.401972
	0.278254	1.99067	0.048112	0.401122
USF1;ATP1A2;PVRL4;F11R;MPZ;TAGLN2;SDHC;CD244;ARHGAP30;TSTD1;UFC1;PEA15	-0.35899	-1.99319	0.047833	0.400377
	0.192705	1.989983	0.048188	0.401237
	0.163761	1.985828	0.048653	0.402478
	-0.19184	-1.98415	0.048841	0.403025
	-0.22238	-1.99155	0.048014	0.40076
ALG1L;FAM86JP	-0.23835	-1.98096	0.049201	0.403961
	0.198333	1.991615	0.048007	0.400756
	-0.21591	-1.99213	0.04795	0.400588
SEC14L3;ENSG00000181123;DUSP18;SEC14L4;CCDC157;SDC4P;ENSG00000250318;THOC5	-0.19385	-1.9853	0.048712	0.402675
	0.197226	1.992671	0.04789	0.400487
GLT8D2;TXNRD1;ASCL1	-0.31015	-1.98493	0.048754	0.402748
	-0.13453	-1.99126	0.048046	0.400861
	-0.18656	-1.99167	0.048001	0.400756
TNFRSF1B;ANGPTL7;PLOD1;MIIP;DHRS3;TNFRSF8	-0.25488	-1.98237	0.049042	0.403578
	0.18388	1.98609	0.048623	0.402418
	-0.25587	-1.99257	0.047901	0.400504
ENSG00000218596	0.237202	1.989731	0.048217	0.401324
	-0.24586	-1.98769	0.048444	0.401969
	-0.14513	-1.98482	0.048765	0.402775
ZNRD1-AS1	0.163631	1.987407	0.048476	0.402023
	0.155645	1.976495	0.049709	0.405211
POLE	-0.19654	-1.99034	0.048149	0.401191
	0.199762	1.991398	0.048031	0.400804
	0.216965	1.987092	0.048511	0.402078
	0.293089	1.986912	0.048531	0.40214
	0.229866	1.98913	0.048283	0.401574

	-0.12158	-1.98773	0.04844	0.401965
	-0.17104	-1.98861	0.048341	0.401763
	-0.13553	-1.98339	0.048927	0.403244
	0.224716	1.987471	0.048469	0.402023
	-0.16742	-1.98759	0.048455	0.401999
	0.260316	1.985843	0.048651	0.402478
	0.320915	1.992897	0.047865	0.400421
	0.176275	1.988152	0.048393	0.401841
NEK5	-0.28969	-1.98956	0.048236	0.401373
	0.21715	1.979309	0.049388	0.404488
	0.239481	1.988196	0.048388	0.401841
TMEM14B	0.208185	1.988806	0.04832	0.401691
NRP2	-0.28238	-1.99351	0.047798	0.400294
CD200	-0.16684	-1.98669	0.048556	0.402194
	-0.16462	-1.98623	0.048607	0.402393
	0.13885	1.989432	0.04825	0.401403
	0.202796	1.988471	0.048357	0.401809
	0.11382	1.981149	0.04918	0.403895
SLC9A3;ENSG00000188242	-0.34905	-1.99045	0.048136	0.401147
	0.104218	1.989079	0.048289	0.401605
ADARB2;ADARB2-AS1	0.268408	1.985909	0.048644	0.402477
	0.257633	1.99163	0.048006	0.400756
PTPRN2	0.172769	1.990351	0.048148	0.401191
	0.094037	1.98495	0.048751	0.402736
	0.136961	1.986266	0.048603	0.402374
	0.142641	1.991063	0.048069	0.400941
PPP1R18;TNXB	-0.27619	-1.98673	0.048551	0.402182
ITGA8;FAM107B	0.257114	1.991098	0.048065	0.400923
	-0.17343	-1.9813	0.049162	0.403888
	-0.1604	-1.98328	0.048939	0.403284
ELF5	-0.39683	-1.97929	0.04939	0.404488
	0.318206	1.988085	0.0484	0.401854
	-0.17967	-1.99144	0.048026	0.400804
RSG1;CROCC;ENSG00000233421;FBLIM1;NECAP2;CLCNKA;PLEKHM2;CROCCP3;ARHGEF19;RCC2;CLCNKB;ENSG00000238142	-0.22741	-1.9847	0.048779	0.40283
	-0.18835	-1.97784	0.049556	0.404814
	0.204315	1.986333	0.048596	0.402374
	0.261419	1.977205	0.049628	0.404961
	0.150549	1.985853	0.04865	0.402478
	0.196515	1.990589	0.048121	0.401122
	0.25443	1.988294	0.048377	0.401823
MATN2	-0.23753	-1.98488	0.048759	0.402763
	0.122145	1.986956	0.048526	0.402137
SNORA38B	-0.16674	-1.98156	0.049133	0.403857
UQCRH	-0.17529	-1.98999	0.048188	0.401237
	-0.26797	-1.99007	0.048179	0.401237

QPRT;PHKG2;ENSG00000250616	0.146451	1.985593	0.048679	0.402599
	-0.24004	-1.98622	0.048608	0.402395
	0.247191	1.991343	0.048037	0.400834
	-0.34261	-1.99132	0.04804	0.400834
	-0.48587	-1.98251	0.049026	0.403578
	0.251972	1.985723	0.048664	0.402509
	0.285806	1.986911	0.048531	0.40214
BCAS2	-0.21345	-1.99051	0.04813	0.401144
	0.166658	1.988577	0.048345	0.401772
	-0.17171	-1.98717	0.048502	0.402056
	0.223529	1.993826	0.047763	0.400285
HYOU1	-0.26485	-1.98126	0.049167	0.403888
	-0.13067	-1.98199	0.049085	0.403749
	0.193373	1.984903	0.048756	0.402756
TNXB;SLC44A4;C6orf10;NOTCH4;ENSG00000225914;NELFE;V				
WA7;HNRNPA1P2;LY6G5C	0.205349	1.989624	0.048228	0.401363
	0.202849	1.990131	0.048172	0.401237
	-0.291	-1.99174	0.047993	0.400756
	0.206023	1.989969	0.04819	0.401241
PSMA4	0.167653	1.988887	0.048311	0.401647
	0.18059	1.983116	0.048957	0.403348
	0.240752	1.981769	0.04911	0.403847
MCAM;CBL;TRIM29	-0.31543	-1.99078	0.048099	0.40108
	0.132025	1.9907	0.048109	0.401122
	-0.12811	-1.98815	0.048393	0.401841
	-0.27334	-1.9845	0.048801	0.402927
	0.227523	1.990214	0.048163	0.401221
ARHGAP29;ABCD3;GCLM	0.256246	1.988636	0.048339	0.401763
HIBADH;TAX1BP1	0.295043	1.98628	0.048602	0.402374
	0.136636	1.985177	0.048726	0.402707
	0.22849	1.988882	0.048311	0.401647
SH2D3C;ENG;CERCAM;GARNL3;PKN3;DNM1;COQ4;ODF2	-0.18096	-1.99225	0.047937	0.400554
ARHGEF38	0.194871	1.992217	0.047941	0.400557
	0.235846	1.989135	0.048283	0.401574
	0.111477	1.986024	0.048631	0.402427
	0.163231	1.991172	0.048056	0.400898
	0.183255	1.982739	0.049	0.403502
SHH	-0.20249	-1.98257	0.049019	0.403573
	-0.16238	-1.98282	0.048991	0.40347
	-0.21719	-1.98709	0.048511	0.402078
	-0.13055	-1.98798	0.048412	0.401858
	0.328329	1.98648	0.048579	0.402298
	0.204581	1.993052	0.047848	0.4004
	0.288616	1.99225	0.047937	0.400554
HN1	0.172622	1.97466	0.049919	0.405805
TSSC2;CARS;IGF2	0.237388	1.98157	0.049132	0.403857

	0.16233	1.985409	0.0487	0.402645
	0.228758	1.988158	0.048392	0.401841
	0.156465	1.983108	0.048958	0.403348
	-0.25907	-1.98561	0.048677	0.402588
	-0.192	-1.98835	0.048371	0.401823
	0.271646	1.990119	0.048173	0.401237
	0.248723	1.990301	0.048153	0.401208
	-0.37045	-1.98679	0.048545	0.402182
	-0.14104	-1.98899	0.048299	0.401619
OSTM1	0.161634	1.987264	0.048492	0.402056
RASA3	-0.28882	-1.98915	0.048281	0.401574
	-0.30154	-1.98662	0.048564	0.402232
GRM7;SRGAP3-AS2;LMCD1	0.26452	1.986359	0.048593	0.402363
TENM4	0.368758	1.990022	0.048184	0.401237
	-0.15575	-1.99009	0.048176	0.401237
ENSG00000235096;ENSG00000260855	0.167921	1.98974	0.048216	0.401324
	0.101367	1.990067	0.048179	0.401237
	0.179266	1.975622	0.049809	0.405518
BNIP1;STK10	-0.21292	-1.99047	0.048134	0.401147
	-0.20599	-1.99309	0.047844	0.400393
	0.143877	1.978161	0.049519	0.404712
PRKCA;AXIN2;RGS9	0.274467	1.981973	0.049087	0.403749
ITGAE;P2RX5	0.220441	1.988758	0.048325	0.401703
	-0.15477	-1.98775	0.048438	0.401965
	0.108529	1.985002	0.048745	0.402731
	0.161021	1.984118	0.048845	0.403031
	-0.20596	-1.98953	0.048238	0.401373
	-0.21464	-1.98674	0.04855	0.402182
	0.266919	1.987515	0.048464	0.402018
	0.12148	1.98737	0.04848	0.40203
SLC22A3	-0.22865	-1.98784	0.048427	0.40191
	0.235936	1.985942	0.04864	0.402469
ST6GALNAC1;ICT1;SMIM6;CASKIN2;FDXR;MRPS7;SLC16A5;SLC9A3R1;LLGL2;ATP5H	0.185302	1.988283	0.048378	0.401823
HERC2P4	-0.35569	-1.98768	0.048445	0.401969
	-0.14866	-1.98982	0.048207	0.4013
	0.277337	1.98732	0.048485	0.402056
	0.167438	1.980891	0.049209	0.404018
	-0.18099	-1.99071	0.048108	0.401122
	0.187465	1.985087	0.048736	0.402731
	0.206866	1.990496	0.048131	0.401144
RABL2A;POLR1B	0.164143	1.983684	0.048893	0.403132
MAL2;ENSG00000253972;SAMD12	-0.27829	-1.98633	0.048596	0.402374
BAIAP2;CBX2;EIF4A3	-0.31678	-1.98281	0.048992	0.40347
	-0.29133	-1.98646	0.048582	0.402309
RNF157-AS1;CASKIN2;SMIM5;CYGB	0.222116	1.991565	0.048013	0.400757
EXOC3L4;TNFAIP2;C14orf2;INF2	-0.25923	-1.98801	0.048408	0.401854

UBE2H;CEP41;COPG2;SMO;KLHDC10;TPI1P2;TNPO3	0.257536	1.981756	0.049111	0.403849
ZC2HC1C;TTLL5;PTGR2;LTBP2;CCDC176;ACYP1;MLH3;FAM161 B;ENSG00000259319	-0.29926	-1.98612	0.04862	0.402409
	0.187781	1.987896	0.048421	0.401897
	0.196702	1.986483	0.048579	0.402298
	0.141442	1.987456	0.04847	0.402023
TBX2;TBX4;ENSG00000267280;ENSG00000267137;METTL2A;B RIP1	0.200308	1.988065	0.048402	0.401854
NEURL1B	0.232143	1.988541	0.048349	0.401772
	-0.14591	-1.98745	0.048471	0.402023
	0.26102	1.984029	0.048855	0.403031
	-0.18413	-1.98161	0.049127	0.403857
	0.178979	1.984408	0.048812	0.402927
	0.208142	1.991313	0.048041	0.400834
	0.225752	1.984854	0.048762	0.402763
ENSG00000255367	-0.30551	-1.98801	0.048409	0.401854
	0.136655	1.980815	0.049217	0.404041
	0.216221	1.988729	0.048328	0.401703
	0.167024	1.98086	0.049212	0.404032
MARS	0.24512	1.98852	0.048351	0.401772
ADARB2	0.312224	1.990099	0.048176	0.401237
	0.196935	1.986413	0.048587	0.402336
	-0.20519	-1.9846	0.04879	0.402878
	0.206482	1.984998	0.048746	0.402731
TBC1D10C;GSTP1;PTPRCAP;PPP6R3	-0.29658	-1.9848	0.048768	0.402778
	-0.15866	-1.98398	0.04886	0.403037
	-0.34951	-1.99296	0.047859	0.400415
	0.168964	1.987472	0.048468	0.402023
	0.2408	1.987843	0.048427	0.40191
	-0.29152	-1.98448	0.048804	0.402927
	0.274566	1.981903	0.049094	0.403773
ENSG00000267395	-0.26588	-1.98739	0.048478	0.40203
RNF187	0.175442	1.983389	0.048927	0.403244
OSCP1;TRAPPC3;MEAF6;EVA1B;AGO3;MRPS15;YRDC	0.266712	1.981635	0.049125	0.403857
	0.123974	1.988299	0.048376	0.401823
	-0.19978	-1.98867	0.048334	0.401738
	0.173868	1.983179	0.04895	0.40333
	-0.31745	-1.98834	0.048372	0.401823
MYO18B	-0.23714	-1.98462	0.048788	0.402873
	-0.27066	-1.98719	0.0485	0.402056
	0.180025	1.988201	0.048387	0.401841
	-0.21167	-1.98448	0.048803	0.402927
	0.18164	1.98784	0.048427	0.40191
	0.115714	1.989547	0.048237	0.401373
	0.135586	1.985421	0.048698	0.402645
PSMG3;GPR146;CYP2W1	-0.2071	-1.98541	0.048699	0.402645
	-0.16448	-1.98794	0.048416	0.401869

ENSG00000266378;HS3ST3A1	0.347248	1.988388	0.048366	0.401823
	0.21571	1.989545	0.048237	0.401373
	-0.24166	-1.9872	0.048498	0.402056
	0.208877	1.986998	0.048521	0.402129
	0.25485	1.988382	0.048367	0.401823
	-0.21017	-1.98527	0.048715	0.402675
ATP1A2;CADM3;ENSG00000225670;TAGLN2;DARC;COPA;PEA1				
5	-0.22196	-1.98443	0.04881	0.402927
JHDM1D-AS1	0.212074	1.991704	0.047997	0.400756
	0.197502	1.989881	0.0482	0.401284
	0.264462	1.99025	0.048159	0.401217
SMIM15	-0.23702	-1.98854	0.048349	0.401772
	0.217708	1.987141	0.048506	0.402067
	0.122723	1.983919	0.048867	0.40307
NOVA2;EXOC3L2;DACT3;PTGIR;HIF3A;ENSG00000267348;GIPR				
;ERCC1	-0.31723	-1.98406	0.048851	0.403031
PXDN	0.14319	1.983626	0.0489	0.403165
	0.19222	1.983005	0.04897	0.403374
ZNF528	-0.13888	-1.9798	0.049332	0.40434
	0.157623	1.987497	0.048466	0.402018
	-0.24623	-1.98717	0.048502	0.402056
	-0.17295	-1.98659	0.048567	0.40225
TEKT4	0.205772	1.988174	0.04839	0.401841
	0.206379	1.987806	0.048431	0.401926
	-0.17433	-1.98664	0.048562	0.402228
	0.169111	1.987567	0.048458	0.402005
	-0.18377	-1.99044	0.048138	0.401151
ENSG00000250893;TMEM156	-0.16741	-1.98819	0.048389	0.401841
TATDN2P2	0.35742	1.989432	0.04825	0.401403
	-0.23968	-1.988	0.04841	0.401854
TRIM16L;MPRIP;COPS3	-0.33852	-1.98442	0.048811	0.402927
	-0.13611	-1.98937	0.048257	0.401432
	-0.19422	-1.98601	0.048632	0.402427
	-0.17568	-1.98543	0.048697	0.402645
	-0.22742	-1.98675	0.048549	0.402182
NOVA2;PTGIR;EXOC3L2;HIF3A;DACT3	-0.20096	-1.98737	0.04848	0.40203
ACSL1;WWC2;SLC25A4	0.127491	1.977864	0.049553	0.404805
ENSG00000262529	-0.1537	-1.98445	0.048807	0.402927
	0.168431	1.987225	0.048496	0.402056
	-0.21753	-1.98654	0.048573	0.402273
AIF1	0.235249	1.988419	0.048363	0.401823
	-0.1994	-1.9845	0.048802	0.402927
	-0.19507	-1.98678	0.048546	0.402182
PTPRN2	0.214436	1.988676	0.048334	0.401738
SLFN12L;ENSG00000267074;ENSG00000255987;ENSG0000026				
7554;CCL5;ENSG00000267369	0.268213	1.985218	0.048721	0.402703
	0.172351	1.983393	0.048926	0.403244

	-0.1506	-1.98616	0.048616	0.402409
TXK	0.29345	1.988387	0.048366	0.401823
	-0.11669	-1.97985	0.049327	0.404321
	0.227845	1.98587	0.048648	0.402478
	0.228788	1.986853	0.048538	0.40217
ENSG00000261183;SPINT1;DLL4;RHOV;MGA	-0.18116	-1.98196	0.049088	0.403749
	0.19385	1.98751	0.048464	0.402018
	-0.3239	-1.98582	0.048654	0.402478
STARD13;STARD13-AS;STARD13-IT1	-0.29919	-1.98569	0.048668	0.402532
NHSL1;HEBP2	-0.28127	-1.98765	0.048449	0.401974
	-0.107	-1.98352	0.048912	0.4032
	0.313599	1.988086	0.0484	0.401854
SPESP1;NOX5	-0.30529	-1.98617	0.048614	0.402409
	0.252144	1.987962	0.048414	0.401868
	0.339338	1.99065	0.048114	0.401122
ZDHHC23;GRAMD1C;ZBTB20;KIAA1407	-0.28055	-1.98034	0.049271	0.40412
	-0.12509	-1.98393	0.048866	0.40307
DLEU2	-0.14935	-1.98874	0.048327	0.401703
TRIM29;ENSG00000255248	-0.35839	-1.98803	0.048406	0.401854
	-0.22484	-1.98241	0.049038	0.403578
FTSJ2	0.141124	1.988346	0.048371	0.401823
SART3	0.143733	1.988263	0.04838	0.401823
	0.202554	1.980688	0.049232	0.404075
	-0.20541	-1.98663	0.048563	0.402228
	0.253718	1.984321	0.048822	0.402938
	-0.35376	-1.98717	0.048502	0.402056
	0.26713	1.984043	0.048853	0.403031
	0.208175	1.985917	0.048643	0.402477
ZC3H12D	-0.21061	-1.98261	0.049014	0.403546
SRD5A3;KDR;EXOC1	0.285919	1.986296	0.0486	0.402374
ENSG00000253816	-0.26204	-1.98832	0.048373	0.401823
REC8	0.234634	1.990658	0.048113	0.401122
	-0.18385	-1.97986	0.049326	0.404321
	-0.17846	-1.98612	0.048619	0.402409
MRPS16;ANAPC16;CDH23;SPOCK2;MCU	-0.26114	-1.98187	0.049099	0.403795
	-0.28002	-1.98502	0.048743	0.402731
FEZ1;KIRREL3;ST3GAL4	-0.2512	-1.98729	0.048489	0.402056
	-0.10704	-1.98136	0.049156	0.403888
ARL16	0.463892	1.976448	0.049714	0.40522
	0.227111	1.98445	0.048807	0.402927
	0.14032	1.991192	0.048054	0.400898
PPP1R10	-0.24262	-1.97815	0.049521	0.404712
ECHS1	-0.23361	-1.98637	0.048592	0.402362
	-0.38574	-1.97989	0.049323	0.404316
	0.222259	1.989057	0.048292	0.401608
	0.664295	1.983315	0.048935	0.403266
	0.20781	1.981696	0.049118	0.403849

TUBGCP2;KNDC1;LRRC27;INPP5A;TTC40;PWWP2B;ECHS1	-0.31161	-1.98608	0.048624	0.402419
	-0.24709	-1.98558	0.048681	0.402604
MAD1L1;FAM20C;HEATR2;SUN1;ENSG00000249852;PSMG3-AS1;ENSG00000240859	-0.27021	-1.97699	0.049652	0.405054
CFB	-0.16496	-1.98487	0.04876	0.402763
ARHGEF10	0.192394	1.986302	0.048599	0.402374
	0.131531	1.977551	0.049588	0.40484
	0.114816	1.979943	0.049316	0.404279
	0.21762	1.977746	0.049566	0.40484
	-0.21266	-1.98725	0.048493	0.402056
LEPRE1;RIMKLA;CCDC30	-0.32929	-1.98133	0.049159	0.403888
	-0.13827	-1.98711	0.048509	0.402078
	0.20608	1.989813	0.048207	0.4013
	0.223747	1.983532	0.048911	0.403196
	-0.18558	-1.98828	0.048378	0.401823
MCM2	-0.19998	-1.97682	0.049672	0.405089
	-0.17784	-1.98136	0.049156	0.403888
FANCD2	0.156862	1.984209	0.048834	0.402995
	-0.15024	-1.9821	0.049072	0.403715
	0.213397	1.982442	0.049033	0.403578
LPXN;MPEG1;UBE2L6	-0.29946	-1.98735	0.048483	0.40204
	0.204464	1.987424	0.048474	0.402023
	0.173136	1.981478	0.049142	0.403888
	-0.21193	-1.98288	0.048984	0.403469
	-0.17918	-1.99048	0.048133	0.401147
	-0.20061	-1.98755	0.048459	0.402005
HSPA7;FCGR2C	0.136922	1.985336	0.048708	0.402666
	0.173241	1.980352	0.04927	0.40412
	-0.13966	-1.98173	0.049114	0.403849
	0.230354	1.984269	0.048828	0.402963
	-0.27655	-1.98423	0.048832	0.402984
DLGAP4	-0.27044	-1.98185	0.049101	0.403798
	0.177172	1.989804	0.048208	0.4013
	0.183669	1.983293	0.048938	0.403279
	-0.15345	-1.9828	0.048994	0.40347
	-0.17132	-1.98478	0.048771	0.402789
	0.196739	1.986739	0.04855	0.402182
	0.184893	1.983222	0.048946	0.403313
	0.236684	1.981196	0.049174	0.403888
	-0.20638	-1.98756	0.048459	0.402005
	0.158517	1.982788	0.048995	0.40347
	-0.22855	-1.98882	0.048318	0.401691
	-0.35233	-1.98082	0.049217	0.404041
ZCRB1	-0.32743	-1.98602	0.048631	0.402427
	0.238757	1.975404	0.049834	0.405584
FAF1	-0.34977	-1.98996	0.048192	0.401246

	0.126137	1.985143	0.048729	0.402712
	-0.20985	-1.9882	0.048387	0.401841
	0.179572	1.979541	0.049362	0.4044
	-0.16598	-1.98695	0.048527	0.402138
	-0.15562	-1.98501	0.048745	0.402731
	-0.13285	-1.97763	0.049579	0.40484
SNRPC	-0.24722	-1.98951	0.048242	0.401374
	0.186059	1.979694	0.049345	0.404363
PPP1R18;HLA-F;HLA-E;HCP5;DDR1;GABBR1;LTB;HCG4;HLA-B	-0.2932	-1.98486	0.048761	0.402763
	-0.16727	-1.98555	0.048684	0.402611
	0.151952	1.98423	0.048832	0.402984
	-0.21425	-1.9782	0.049514	0.404712
HIST1H2AL;ENSG00000197062;HIST1H2AJ;HIST1H2BM;HIST1H2AI;HIST1H1B;HIST1H3J;HIST1H3I;ZSCAN12P1;HIST1H2BN;HIST1H4J;HIST1H2BO;HIST1H2BL	0.312849	1.981388	0.049153	0.403888
	0.203342	1.982499	0.049027	0.403578
	-0.35831	-1.98284	0.048989	0.40347
	0.208011	1.987082	0.048512	0.402078
ADAM8	-0.18973	-1.98686	0.048537	0.40217
	-0.17588	-1.98358	0.048906	0.40317
OSR1	-0.21049	-1.98889	0.048311	0.401647
	0.280041	1.987998	0.04841	0.401854
	0.227833	1.983707	0.048891	0.403126
INPP5K	0.190485	1.987687	0.048444	0.401969
	0.148908	1.978873	0.049438	0.404652
SUN1;PSMG3;IQCE	-0.30266	-1.98602	0.048631	0.402427
	-0.11971	-1.98692	0.048531	0.40214
	0.162074	1.985199	0.048723	0.402707
	0.221932	1.978303	0.049503	0.404712
	0.219689	1.987695	0.048444	0.401969
	0.20383	1.981633	0.049125	0.403857
	0.222053	1.984979	0.048748	0.402731
HCP5;PPP1R18;GPSM3;HLA-B;HLA-C;LST1;LTB	-0.2804	-1.98051	0.049253	0.404119
ITGA11;CORO2B;ENSG00000259641	-0.23169	-1.98013	0.049295	0.404188
CAMK1D	-0.34868	-1.98654	0.048573	0.402273
	-0.1423	-1.97965	0.049349	0.404388
	0.214334	1.987178	0.048501	0.402056
	0.228763	1.981182	0.049176	0.403888
	-0.15697	-1.98435	0.048819	0.402934
	0.188557	1.981005	0.049196	0.403936
	0.112347	1.980655	0.049236	0.40409
CEP41	0.25097	1.987994	0.04841	0.401854
	-0.20652	-1.98648	0.048579	0.402298
CHMP5;ANXA2P2	0.156851	1.985893	0.048645	0.402478
	0.374053	1.986107	0.048621	0.402409
CXCL10;CXCL9	0.252009	1.987005	0.048521	0.402129

	0.195403	1.985856	0.048649	0.402478
	0.11386	1.985953	0.048639	0.402467
PSMB3	0.114208	1.984337	0.04882	0.402934
PWAR6;SNHG14;ENSG00000257647	-0.2792	-1.98269	0.049005	0.403532
RPL32P1;BAK1	-0.13619	-1.98499	0.048747	0.402731
EXOC3L4;TNFAIP2;CKB	-0.24719	-1.98507	0.048738	0.402731
	-0.17392	-1.98853	0.048351	0.401772
	-0.27137	-1.97997	0.049313	0.404266
ENSG00000224745	0.249159	1.982393	0.049039	0.403578
	0.180828	1.978736	0.049453	0.404681
	0.162955	1.981708	0.049116	0.403849
	0.222497	1.986518	0.048575	0.402286
	0.180258	1.986268	0.048603	0.402374
	0.180023	1.985747	0.048662	0.402502
	-0.23656	-1.98853	0.04835	0.401772
	-0.24091	-1.98196	0.049088	0.403749
ARV1	-0.23468	-1.9776	0.049583	0.40484
	0.120881	1.982809	0.048992	0.40347
	-0.23205	-1.98263	0.049013	0.403546
	0.148	1.98896	0.048302	0.401619
WDR45B;PCYT2;LINC00482;MAFG-AS1	-0.30423	-1.98801	0.048408	0.401854
RHPN1-AS1;FAM83H-AS1;ENSG00000254973	0.196423	1.98211	0.049071	0.403715
	0.462824	1.979709	0.049343	0.404363
	-0.20869	-1.98931	0.048264	0.401471
	0.149551	1.98319	0.048949	0.403327
	-0.22884	-1.98873	0.048328	0.401703
HEY2	-0.2426	-1.98252	0.049025	0.403578
LSM2;VWA7;TCF19;PPT2;LY6G5C;C6orf48	0.260204	1.978434	0.049488	0.4047
JAK3;FAM129C	-0.21018	-1.98544	0.048696	0.402645
	-0.2453	-1.98773	0.048439	0.401965
	-0.48803	-1.98234	0.049045	0.403578
	-0.27266	-1.98917	0.048279	0.401569
	0.220376	1.985789	0.048657	0.402482
	0.184702	1.983562	0.048907	0.403176
	0.296196	1.985212	0.048722	0.402703
NUGGC	0.288655	1.988132	0.048395	0.401842
	-0.23188	-1.9804	0.049265	0.40412
	-0.22684	-1.98406	0.048851	0.403031
	-0.17765	-1.98231	0.049049	0.403588
MIR34C;ENSG00000254980;C11orf88;BTG4;ENSG00000255428;POU2AF1;C11orf1;ENSG00000255208;PIH1D2;BCO2;ENSG00000255093;DLAT;COLCA2;ENSG00000214264;PTS	-0.25454	-1.98113	0.049182	0.403897
	-0.1473	-1.98267	0.049008	0.403546
	0.202364	1.985559	0.048683	0.402607
	-0.21354	-1.98144	0.049146	0.403888
	0.194977	1.982105	0.049072	0.403715

	0.159398	1.986207	0.04861	0.402398
	0.307436	1.985275	0.048715	0.402675
	0.123732	1.983713	0.04889	0.403126
	0.102893	1.988032	0.048406	0.401854
	0.109594	1.98687	0.048536	0.40217
	-0.24467	-1.98076	0.049224	0.404041
	0.200977	1.983082	0.048961	0.403361
GART	-0.15527	-1.98674	0.04855	0.402182
ENSG00000188242;SDHA	-0.35396	-1.98696	0.048526	0.402137
	0.242084	1.984088	0.048848	0.403031
	0.256426	1.987189	0.0485	0.402056
	-0.16754	-1.98579	0.048657	0.402482
VILL;ITGA9;ACVR2B;XYLB;ENSG00000235257	-0.31381	-1.9847	0.048779	0.40283
	-0.23944	-1.98515	0.048729	0.402712
B4GALT3	0.168712	1.989388	0.048255	0.40142
	0.415262	1.988065	0.048402	0.401854
	-0.20217	-1.98024	0.049283	0.404145
	0.228612	1.98386	0.048874	0.40307
	0.167362	1.984968	0.048749	0.402731
	-0.20746	-1.9788	0.049446	0.404652
	-0.28228	-1.98781	0.04843	0.401926
	0.181608	1.983995	0.048858	0.403031
	-0.23341	-1.98788	0.048423	0.4019
	-0.13696	-1.9813	0.049162	0.403888
COLGALT1	0.126164	1.981932	0.049091	0.403765
PDCD1	-0.27304	-1.98501	0.048744	0.402731
	0.272558	1.978057	0.049531	0.40475
	0.448691	1.983853	0.048874	0.40307
	0.178908	1.978648	0.049463	0.404687
FLI1;ARHGAP32;ETS1	-0.24272	-1.98405	0.048853	0.403031
	0.341487	1.988891	0.04831	0.401647
ENSG00000267563;FUT3	0.190587	1.988556	0.048348	0.401772
	-0.13618	-1.98039	0.049266	0.40412
PZP;FOXJ2;A2M	0.198301	1.984061	0.048851	0.403031
RASSF1;P4HTM;PRKAR2A-AS1;DALRD3;UBA7	-0.37565	-1.98679	0.048545	0.402182
	-0.20019	-1.98576	0.04866	0.4025
	-0.18137	-1.97841	0.04949	0.4047
	0.145792	1.985267	0.048715	0.402675
	-0.34441	-1.98563	0.048675	0.402584
	0.205098	1.985164	0.048727	0.402708
AMICA1;IL10RA;H2AFX;TMPRSS4;CD3G;PVRL1;MPZL2;CD3D;CD3E	-0.20906	-1.97868	0.04946	0.404687
PTAFR;TMEM200B;MED18;EPB41;ATPIF1;RCC1;SNHG3;GMEB1;SNORA73B	-0.21287	-1.97705	0.049645	0.405034
	-0.30777	-1.98742	0.048474	0.402023
	0.248358	1.988619	0.04834	0.401763
	0.301368	1.987281	0.04849	0.402056

	-0.27083	-1.98965	0.048226	0.40136
	-0.22647	-1.98673	0.048552	0.402182
	-0.1608	-1.9862	0.048611	0.402398
RPTOR;ENSG00000268852	-0.22706	-1.98233	0.049047	0.403578
	0.252287	1.985491	0.04869	0.402642
	0.21	1.984009	0.048857	0.403031
DENND2C;BCAS2;VANGL1;CASQ2;NRAS	-0.27186	-1.98076	0.049223	0.404041
SHH	0.215566	1.985287	0.048713	0.402675
THBS2;SMOC2	-0.19243	-1.98406	0.048851	0.403031
	0.212208	1.986126	0.048619	0.402409
PSMC4;TIMM50;EIF3K	-0.1842	-1.98192	0.049093	0.40377
	-0.11496	-1.97996	0.049314	0.404267
	0.246698	1.977359	0.04961	0.404919
PTPRJ	-0.11925	-1.97958	0.049358	0.4044
	0.234749	1.980378	0.049267	0.40412
	0.279926	1.98361	0.048902	0.403165
	0.210839	1.987067	0.048514	0.40208
	0.174434	1.979011	0.049422	0.404613
	0.156063	1.985335	0.048708	0.402666
	-0.13045	-1.98156	0.049133	0.403857
	-0.2277	-1.9836	0.048903	0.403165
	-0.22167	-1.979	0.049424	0.404613
	0.360352	1.980371	0.049268	0.40412
	0.148941	1.981364	0.049155	0.403888
SPOCK2;DNAJC9-AS1	-0.29425	-1.98696	0.048525	0.402137
	0.163211	1.984459	0.048806	0.402927
LST1;TAP1;PSMB8	0.153202	1.984811	0.048767	0.402778
EMR2;CACNA1A;IL27RA;TECR;ENSG00000141854	0.313495	1.983908	0.048868	0.40307
FLI1;ARHGAP32;ETS1;SENCR	-0.37964	-1.9832	0.048948	0.403327
	0.290479	1.983711	0.04889	0.403126
MAD1L1;IQCE;GNA12;TTYH3;CHST12	-0.26591	-1.98401	0.048857	0.403031
SKI;SAMD11;ANKRD65;ENSG00000272106;TTLL10;TTLL10-AS1;SSU72;ENSG00000217801;C1orf222;MXRA8;RNF223;CALML6;FAM41C	-0.18632	-1.98038	0.049267	0.40412
	-0.13462	-1.98626	0.048604	0.402374
	0.253611	1.979498	0.049367	0.4044
	0.129964	1.974203	0.049971	0.405941
	0.1782	1.982249	0.049055	0.403619
	0.205207	1.982162	0.049065	0.403691
NXPH3;COL1A1;ABI3;PPP1R9B;ENSG00000248954;SGCA;LRRC59;FAM117A;SAMD14;NGFR	0.20247	1.97925	0.049395	0.404494
TPPP	-0.18158	-1.98509	0.048735	0.402731
	0.123651	1.985391	0.048702	0.402653
	0.369436	1.985021	0.048743	0.402731
	0.183365	1.979879	0.049324	0.404316
	0.17401	1.981151	0.049179	0.403895

KRT23;KRT13;THRA;TOP2A;KRT10;KRT20;MIEN1;NR1D1;IGFBP4;RAPGEFL1	-0.33733	-1.98359	0.048904	0.403165
	-0.1632	-1.98549	0.048691	0.402642
	0.27619	1.98019	0.049288	0.404158
	0.22906	1.981102	0.049185	0.403903
	0.271974	1.98385	0.048875	0.40307
PXMP4;KIF3B	0.171121	1.984645	0.048785	0.402855
	0.146037	1.983017	0.048969	0.403374
	-0.22616	-1.98407	0.04885	0.403031
	0.100884	1.981453	0.049145	0.403888
	-0.24989	-1.98306	0.048963	0.403361
	0.166769	1.98202	0.049081	0.403738
	-0.17676	-1.9819	0.049095	0.403773
PCYT2;MAFG-AS1;LRRC45;BAIAP2-AS1;ENSG00000265458;BAIAP2	-0.24816	-1.98759	0.048455	0.401999
	-0.17665	-1.98344	0.048922	0.403224
	0.18648	1.98121	0.049173	0.403888
	-0.16908	-1.98096	0.049201	0.403961
ZNF732	0.955634	1.990281	0.048155	0.401211
	0.170419	1.985135	0.04873	0.402712
	0.174145	1.983246	0.048943	0.403306
HES2;CAMTA1;CHD5	0.25055	1.987499	0.048466	0.402018
	-0.29003	-1.98499	0.048747	0.402731
NKD2	0.363347	1.980692	0.049231	0.404075
	-0.22529	-1.98035	0.04927	0.40412
	-0.36475	-1.9873	0.048488	0.402056
	0.253273	1.981083	0.049187	0.40391
	-0.12257	-1.9786	0.049469	0.40469
LMO3	0.210568	1.977946	0.049543	0.404781
	0.247163	1.981807	0.049105	0.40382
SERPINF1;SRR	-0.36162	-1.97917	0.049404	0.404538
	-0.35849	-1.989	0.048298	0.401619
MARCH6;ENSG00000249396	0.412504	1.982426	0.049035	0.403578
	-0.20419	-1.98197	0.049086	0.403749
COA6	-0.22696	-1.98728	0.04849	0.402056
	-0.18513	-1.98466	0.048784	0.402852
	-0.18934	-1.98446	0.048806	0.402927
	0.128388	1.976364	0.049724	0.405225
DNAJB1;RASAL3;SYDE1;TECR;BRD4;CACNA1A;ZNF333;ENSG00000141854;WIZ	-0.27711	-1.97426	0.049965	0.405923
	-0.16869	-1.98013	0.049295	0.404188
	-0.27496	-1.98084	0.049215	0.404034
	0.20999	1.984165	0.048839	0.403025
CALHM2;USMG5;SLK;SFR1	-0.21361	-1.98137	0.049154	0.403888
	0.191849	1.977771	0.049563	0.40484
	-0.12816	-1.98311	0.048958	0.403348
	-0.23249	-1.98077	0.049223	0.404041

PROZ	0.188765	1.982734	0.049001	0.403502
	0.178636	1.983336	0.048933	0.403261
	-0.14928	-1.98627	0.048603	0.402374
WDR61	-0.2562	-1.97765	0.049577	0.40484
	-0.25599	-1.98263	0.049012	0.403546
	-0.24245	-1.98491	0.048756	0.402756
	0.280973	1.984391	0.048814	0.402927
	0.137243	1.98337	0.048929	0.403245
ZBTB7A;NFIC;ENSG00000167674;PIAS4;TLE2	-0.29758	-1.98064	0.049237	0.404092
	-0.25624	-1.97705	0.049645	0.405034
PIH1D1	0.190282	1.981828	0.049103	0.403808
	-0.13062	-1.98452	0.0488	0.402927
	0.159003	1.979614	0.049354	0.404394
	0.201646	1.980501	0.049253	0.404119
TXN	-0.17351	-1.9837	0.048892	0.403126
	0.15661	1.983879	0.048871	0.40307
	0.338394	1.983146	0.048954	0.403348
VWF;ANO2;AKAP3;NTF3;SCNN1A;CD27;RAD51AP1;KCNA5;CD9	-0.32092	-1.98301	0.048969	0.403374
ENSG00000248222;TENM2	0.303639	1.983324	0.048934	0.403265
	0.284635	1.978867	0.049439	0.404652
	-0.23409	-1.98132	0.04916	0.403888
HMBOX1;FZD3;TMEM66;DUSP4;KIF13B	0.296655	1.976797	0.049674	0.405093
	0.133442	1.981446	0.049146	0.403888
	-0.23152	-1.98453	0.048799	0.402927
GNG7;CFD	-0.39562	-1.97399	0.049995	0.405983
FN3K	0.210231	1.984452	0.048807	0.402927
	-0.20839	-1.98469	0.048781	0.402834
SH2D3C;ENG;CERCAM;RALGPS1;DNM1;PKN3	-0.26949	-1.98381	0.048879	0.40307
EGFR	-0.29479	-1.98678	0.048545	0.402182
SLC22A17;CDH24;RBM23;PSMB5	0.172924	1.979455	0.049372	0.4044
PTP4A3;ENSG00000271959;ENSG00000261655;SLC45A4	-0.35237	-1.97898	0.049426	0.404613
ENSG00000249643;LINC01170;ENSG00000250206	-0.2956	-1.97587	0.04978	0.405381
	-0.11645	-1.98003	0.049306	0.404229
	-0.26506	-1.98236	0.049043	0.403578
	-0.1887	-1.98581	0.048654	0.402478
	0.119804	1.982785	0.048995	0.40347
	0.202159	1.985234	0.048719	0.402698
	0.207511	1.978225	0.049511	0.404712
	-0.20131	-1.97746	0.049599	0.4049
	0.206766	1.98036	0.049269	0.40412
	0.191547	1.97815	0.04952	0.404712
	0.248618	1.983045	0.048965	0.403368
	0.278152	1.985379	0.048703	0.402655
	0.241374	1.982326	0.049047	0.403578
	-0.19115	-1.98389	0.04887	0.40307
PTPRE	-0.2096	-1.986	0.048633	0.402427

TIE1;PTPRF;ERI3	-0.20052	-1.97665	0.049692	0.405146
ENSG00000264198;IKZF3;PPP1R1B	-0.21548	-1.98344	0.048921	0.403224
	0.26086	1.978906	0.049434	0.40464
TSPAN4;IFITM1	-0.26229	-1.98101	0.049196	0.403936
KCNMA1;ZMIZ1;DLG5-AS1	0.229701	1.974076	0.049986	0.405981
RN7SL674P	0.302344	1.984737	0.048775	0.402817
ABHD14B;PBRM1;GLT8D1;PPM1M	0.165438	1.978246	0.049509	0.404712
CD22	-0.22237	-1.98246	0.049031	0.403578
	0.215997	1.976258	0.049736	0.405283
	0.1569	1.978585	0.049471	0.40469
	0.136858	1.98405	0.048852	0.403031
	0.102321	1.982641	0.049011	0.403546
	0.227709	1.982475	0.04903	0.403578
	0.272902	1.975762	0.049793	0.405439
	0.228458	1.980429	0.049261	0.40412
RASSF1	-0.2443	-1.98696	0.048526	0.402137
DIAPH3	-0.24215	-1.98073	0.049228	0.404055
	-0.15153	-1.98019	0.049288	0.404158
	0.095675	1.982027	0.04908	0.403738
	0.259898	1.983829	0.048877	0.40307
	-0.21162	-1.98371	0.04889	0.403126
	0.228993	1.978832	0.049443	0.404652
CACNA1C;CACNA1C-AS4;ERC1;FKBP4	-0.24621	-1.98168	0.04912	0.403853
	0.194038	1.984398	0.048813	0.402927
HPCAL1	0.111921	1.985174	0.048726	0.402707
	0.245275	1.984295	0.048825	0.402947
	-0.23354	-1.98541	0.048699	0.402645
	-0.14747	-1.98126	0.049167	0.403888
	-0.12341	-1.97697	0.049655	0.405057
	0.1832	1.983454	0.048919	0.403222
	0.18736	1.981339	0.049158	0.403888
	0.215147	1.987582	0.048456	0.402001
	0.383594	1.981569	0.049132	0.403857
	-0.15166	-1.98085	0.049213	0.404032
	-0.23383	-1.98311	0.048958	0.403348
ICAM2;SMURF2;GNA13;LRRC37A3;CCDC47;ENSG00000264954	-0.17033	-1.97961	0.049354	0.404394
BCL2L15;OLFML3;DENND2C	0.216862	1.985018	0.048744	0.402731
	0.22499	1.978705	0.049457	0.404686
CDC14B;PTCH1	0.261678	1.982296	0.04905	0.40359
	-0.18532	-1.98236	0.049043	0.403578
	-0.43118	-1.98412	0.048844	0.403031
	0.181079	1.980543	0.049248	0.404117
	-0.16607	-1.98437	0.048816	0.402934
SH3RF3-AS1;GCC2;SULT1C4;CCDC138	0.255042	1.982346	0.049044	0.403578
	0.205298	1.981046	0.049191	0.403929
REPIN1;GIMAP8;ACTR3C;ENSG00000240449	-0.26552	-1.97976	0.049337	0.404344

	0.198629	1.985522	0.048687	0.402625
	0.189935	1.976004	0.049765	0.405352
	0.307887	1.978953	0.049429	0.404613
AGPAT3;TRPM2	0.272569	1.979419	0.049376	0.404407
	0.234329	1.981732	0.049114	0.403849
	-0.12928	-1.98119	0.049175	0.403888
	0.271438	1.98303	0.048967	0.403374
ACVR2B;TTC21A	0.28815	1.983618	0.048901	0.403165
	-0.18541	-1.97904	0.049419	0.404613
	0.128697	1.980052	0.049304	0.404224
	-0.19715	-1.98233	0.049046	0.403578
	0.302485	1.98028	0.049278	0.404141
	0.127775	1.977306	0.049616	0.404919
FMN1	0.191607	1.978968	0.049427	0.404613
PTPRS	-0.20463	-1.98404	0.048853	0.403031
	-0.14078	-1.97925	0.049395	0.404494
	-0.12981	-1.98383	0.048878	0.40307
	0.256432	1.981227	0.049171	0.403888
	-0.15413	-1.97445	0.049943	0.405849
	-0.24893	-1.97452	0.049934	0.405835
SNTG2;ACP1	0.181005	1.978783	0.049448	0.404661
	0.165805	1.982391	0.049039	0.403578
ENSG00000199899;ENSG00000257877	0.196018	1.983607	0.048902	0.403165
	0.257278	1.98557	0.048681	0.402604
	0.150572	1.98044	0.04926	0.40412
	0.284091	1.981623	0.049126	0.403857
SHISA6	0.261004	1.9862	0.048611	0.402398
	-0.2202	-1.97421	0.049971	0.405941
	-0.16707	-1.9811	0.049185	0.403903
	0.22276	1.984795	0.048768	0.402778
ENSG00000234450	-0.27516	-1.98114	0.049181	0.403897
	-0.32134	-1.98002	0.049308	0.404232
	-0.19418	-1.9794	0.049378	0.404414
TSPAN18	-0.25572	-1.9828	0.048993	0.40347
	0.301657	1.976023	0.049763	0.405352
	0.143506	1.974791	0.049904	0.405756
UTRN;FBXO30;EPM2A	-0.34573	-1.97504	0.049875	0.405646
	-0.25294	-1.9797	0.049344	0.404363
	0.247667	1.981389	0.049153	0.403888
	0.286599	1.982852	0.048987	0.40347
	0.267758	1.976395	0.04972	0.40522
	0.142063	1.981401	0.049151	0.403888
	0.161452	1.982651	0.04901	0.403546
CYGB	-0.16986	-1.9761	0.049754	0.405337
	-0.19188	-1.97822	0.049512	0.404712
	0.1451	1.978232	0.049511	0.404712
PIK3R6;ACAP1	-0.20672	-1.98505	0.04874	0.402731

	0.143113	1.984334	0.04882	0.402934
MAP1LC3B2	0.197118	1.981562	0.049133	0.403857
	0.174852	1.975179	0.049859	0.405643
NPR1	0.171957	1.980513	0.049252	0.404119
	-0.29362	-1.98349	0.048915	0.40321
	0.22313	1.983818	0.048878	0.40307
MRPL23;TSPAN4;LRRC56;DEAF1;MUC5AC;MOB2;TALDO1	-0.17093	-1.97757	0.049587	0.40484
	0.196814	1.979476	0.049369	0.4044
	0.17528	1.979272	0.049392	0.404494
	0.286423	1.977574	0.049586	0.40484
	0.268789	1.984537	0.048798	0.402927
	0.237554	1.977958	0.049542	0.404778
CARD11;TTYH3;IQCE	-0.31952	-1.98496	0.04875	0.402731
	-0.3123	-1.98262	0.049014	0.403546
	-0.18336	-1.98364	0.048899	0.403165
FNBP1	-0.23294	-1.9835	0.048915	0.40321
	0.172367	1.982659	0.049009	0.403546
	-0.14795	-1.9803	0.049275	0.404138
	-0.13123	-1.97703	0.049648	0.405046
	-0.15907	-1.9805	0.049253	0.404119
	0.134654	1.975963	0.04977	0.405352
	0.152333	1.978707	0.049457	0.404686
ENSG00000240050	0.112087	1.975006	0.049879	0.405663
S100A14;ILF2;JTB;S100A2;S100A16;RAB13;UBE2Q1;S100A6	-0.24906	-1.98588	0.048647	0.402478
VAMP8;TCF7L1	-0.37429	-1.98381	0.048879	0.40307
	0.151672	1.978396	0.049492	0.404703
	-0.15385	-1.98244	0.049034	0.403578
	0.163314	1.976239	0.049738	0.405283
	0.130553	1.980402	0.049264	0.40412
	0.166932	1.977557	0.049588	0.40484
CCDC141	0.247592	1.979904	0.049321	0.404307
IQCE;PSMG3-AS1;C7orf50	-0.26786	-1.98075	0.049225	0.404045
	-0.18754	-1.97663	0.049693	0.405146
	-0.33888	-1.98229	0.049051	0.40359
IARS;OGN;SPTLC1;ROR2;ECM2	0.163795	1.978475	0.049483	0.404697
	0.200329	1.977594	0.049583	0.40484
KEL;ZYX	-0.14916	-1.98127	0.049166	0.403888
	-0.27056	-1.97762	0.049581	0.40484
PRRG4;PIGCP1;TCP11L1	-0.19189	-1.98255	0.049022	0.403578
FAU	0.175236	1.980771	0.049222	0.404041
	0.196629	1.976171	0.049746	0.405304
	0.263475	1.977405	0.049605	0.404916
	-0.26246	-1.98064	0.049238	0.404092
	0.276925	1.98236	0.049043	0.403578
	-0.25854	-1.98431	0.048823	0.402944

	0.157696	1.981449	0.049146	0.403888
	0.239582	1.981253	0.049168	0.403888
	-0.20449	-1.98306	0.048964	0.403361
RAB37;SDK2	-0.27776	-1.97902	0.049422	0.404613
	-0.25664	-1.97829	0.049505	0.404712
	0.388042	1.984857	0.048762	0.402763
HAPLN3;POLG	0.338716	1.979539	0.049362	0.4044
SYCP2L;NEDD9;TMEM14B	0.186596	1.975886	0.049778	0.405379
	-0.33009	-1.97865	0.049464	0.404687
	-0.30066	-1.98207	0.049076	0.403715
	0.153609	1.975532	0.049819	0.405552
VN1R108P	-0.12446	-1.97946	0.049372	0.4044
	-0.18688	-1.97513	0.049865	0.405643
HMGN2;TRNP1;PIGV;PDIK1L;TMEM50A;SYF2	0.165255	1.978434	0.049488	0.4047
	-0.28831	-1.97947	0.04937	0.4044
	-0.18448	-1.98058	0.049245	0.404117
	-0.20741	-1.98298	0.048973	0.40339
LAMC2;RNASEL;COLGALT2;GLUL;DHX9	-0.19522	-1.9825	0.049027	0.403578
	-0.18908	-1.98123	0.049171	0.403888
ZNFX1	0.250985	1.978661	0.049462	0.404687
	-0.10198	-1.9795	0.049367	0.4044
	-0.25293	-1.98155	0.049134	0.403857
	0.285741	1.980238	0.049283	0.404145
	0.229915	1.979848	0.049327	0.404321
	0.177764	1.977348	0.049611	0.404919
	0.141012	1.983828	0.048877	0.40307
	-0.18129	-1.97946	0.049371	0.4044
GCLC;TRAM2;TMEM14A;ENSG00000236740;LRRC1;ELOVL5	-0.39095	-1.98006	0.049303	0.404224
ENSG00000196960	-0.22755	-1.97805	0.049531	0.40475
	-0.27193	-1.98338	0.048928	0.403245
RPP25	-0.17538	-1.98323	0.048944	0.40331
	0.245356	1.982458	0.049032	0.403578
	-0.34246	-1.97757	0.049586	0.40484
	-0.1974	-1.97766	0.049576	0.40484
	0.191554	1.979578	0.049358	0.4044
	-0.11576	-1.9813	0.049163	0.403888
	0.100304	1.97524	0.049852	0.405643
	0.26988	1.982366	0.049042	0.403578
	0.167287	1.981214	0.049172	0.403888
	-0.19707	-1.97804	0.049532	0.404752
	0.107111	1.979611	0.049354	0.404394
	-0.14601	-1.97527	0.049849	0.405643
	-0.16823	-1.97683	0.049671	0.405087
	0.152385	1.979034	0.049419	0.404613
	-0.19137	-1.97871	0.049456	0.404686
HYI	0.245882	1.974298	0.04996	0.405923

	-0.13795	-1.97642	0.049717	0.40522
	-0.17684	-1.98159	0.04913	0.403857
SLC5A4;CPSF1P1;TIMP3	-0.35484	-1.9783	0.049503	0.404712
	0.21816	1.977394	0.049606	0.404916
	0.172929	1.981005	0.049196	0.403936
	0.174859	1.975776	0.049791	0.405433
	0.206782	1.98204	0.049079	0.403735
	-0.23994	-1.97539	0.049835	0.405584
WWC1	0.23276	1.978808	0.049445	0.404652
TESC	-0.34607	-1.97713	0.049636	0.404995
	0.125326	1.979246	0.049395	0.404494
	0.190663	1.976236	0.049738	0.405283
NXPH3;COL1A1;CACNA1G;SGCA;ANKRD40;MYCBPAP;NGFR	0.390596	1.97947	0.04937	0.4044
	-0.21356	-1.97831	0.049502	0.404712
HEBP2;PERP;NHSL1;CCDC28A;KIAA1244	-0.23266	-1.97604	0.049761	0.405352
	0.192777	1.981691	0.049118	0.403849
ARHGAP22	0.234276	1.980346	0.049271	0.40412
CRELD2	-0.28556	-1.97524	0.049852	0.405643
ADARB1;ICOSLG;ITGB2;C21orf67;ITGB2-AS1;LRRC3DN	-0.19361	-1.97449	0.049938	0.405837
	0.257583	1.978749	0.049452	0.404677
FUOM;STK32C;TTC40;LRRC27	-0.52954	-1.98291	0.048981	0.403449
	0.201333	1.981847	0.049101	0.403798
SELENBP1;BNIPL;THEM4;S100A11;CGN;SEMA6C;HRNR;POGZ;P				
SMD4;FAM63A	0.344209	1.978218	0.049512	0.404712
GRASP;POU6F1;ACVRL1;KRT80;DAZAP2;SLC11A2;SMAGP;KRT7				
;ACVR1B;LARP4;METTL7A;ATF1	-0.31426	-1.97948	0.049369	0.4044
	-0.30242	-1.97762	0.04958	0.40484
	0.20943	1.979683	0.049346	0.404366
	-0.21012	-1.97516	0.049862	0.405643
	0.288357	1.976471	0.049712	0.405219
PDGFA;PRKAR1B;PSMG3;FAM20C;ENSG00000249574;ELFN1;G				
PR146	0.240685	1.981294	0.049163	0.403888
C12orf49	0.235693	1.978475	0.049483	0.404697
	0.263009	1.978637	0.049465	0.404688
	0.170514	1.97983	0.049329	0.40433
	-0.12275	-1.97783	0.049557	0.404814
	0.245266	1.97885	0.04944	0.404652
	-0.26025	-1.97513	0.049865	0.405643
GNA15;GNG7;ADAMTSL5;MUM1	-0.32486	-1.98207	0.049076	0.403715
DOCK2;LCP2	0.159908	1.978167	0.049518	0.404712
	-0.20583	-1.97614	0.049749	0.405315
	-0.20956	-1.98046	0.049258	0.40412
	0.256448	1.977922	0.049546	0.404784
	0.147356	1.979234	0.049397	0.404497
	0.262873	1.976854	0.049668	0.405087
	-0.18806	-1.97946	0.049371	0.4044

CALHM2;SLK;COL17A1;OBFC1	-0.26196	-1.97894	0.04943	0.404613
ERAL1	0.195911	1.97807	0.049529	0.40475
	-0.2221	-1.97797	0.04954	0.404777
	-0.12255	-1.975	0.04988	0.405663
DHRS7B;LGALS9B	-0.37982	-1.98078	0.049222	0.404041
	-0.28401	-1.98535	0.048706	0.402665
	-0.14889	-1.97622	0.04974	0.405292
	0.189872	1.97649	0.049709	0.405211
GNG7	-0.29179	-1.97964	0.049351	0.404391
CCNB2;MYO1E	0.275387	1.97974	0.049339	0.404344
COMP	0.15711	1.981717	0.049115	0.403849
	0.16411	1.982351	0.049044	0.403578
	-0.23114	-1.97799	0.049539	0.404776
RNU1-1	-0.21909	-1.97912	0.049409	0.404553
	0.163614	1.978145	0.049521	0.404712
	-0.23341	-1.97849	0.049481	0.404697
	-0.19966	-1.98174	0.049113	0.403849
	0.163851	1.974454	0.049942	0.405849
BAG6	-0.17227	-1.97836	0.049496	0.404712
CCT5	0.21092	1.978015	0.049535	0.404771
	-0.13902	-1.97768	0.049574	0.40484
	0.184143	1.974805	0.049902	0.405751
	0.146991	1.974664	0.049918	0.405805
TEAD2;CPT1C;MYH14;RRAS;RCN3;PRRG2;VRK3;CLEC11A;ZNF4				
73;KLK12;KLK11;FCGRT	0.242379	1.97836	0.049496	0.404712
	-0.20491	-1.97786	0.049553	0.404805
	0.130839	1.979163	0.049405	0.404539
	0.222336	1.978956	0.049428	0.404613
	0.173269	1.981717	0.049115	0.403849
	0.102066	1.980628	0.049239	0.404092
MRPS15	0.161742	1.981186	0.049175	0.403888
	0.240764	1.974628	0.049922	0.405805
	-0.19054	-1.98077	0.049222	0.404041
	-0.32376	-1.97458	0.049928	0.405806
	0.301703	1.980546	0.049248	0.404117
	-0.27407	-1.98242	0.049036	0.403578
	0.292909	1.976632	0.049693	0.405146
SLC25A29;MEG3;ENSG00000225746;MEG8;ENSG0000023201				
8	-0.2646	-1.97407	0.049986	0.405981
	0.191576	1.978844	0.049441	0.404652
	-0.14639	-1.97458	0.049927	0.405806
	0.240521	1.975723	0.049797	0.405459
	0.200555	1.975686	0.049801	0.405478
RAB7L1;ENSG00000240710	0.224039	1.982079	0.049075	0.403715
	0.213268	1.975816	0.049786	0.405419
	-0.11256	-1.98234	0.049045	0.403578
H2AFY;SKP1;PPP2CA;SAR1B	-0.27166	-1.97764	0.049578	0.40484

FBLN7;RABL2A;CHCHD5	-0.27473	-1.9796	0.049355	0.404397
TTC28;TTC28-AS1;MN1	0.251679	1.981246	0.049169	0.403888
	0.185947	1.97691	0.049661	0.405057
	0.183954	1.975315	0.049844	0.405622
ENSG00000173862;BBS9	-0.3321	-1.9741	0.049983	0.405981
RPS16	0.207594	1.97744	0.049601	0.404904
	-0.1648	-1.97773	0.049568	0.40484
	0.208509	1.978508	0.049479	0.404697
	-0.148	-1.98197	0.049087	0.403749
	-0.32028	-1.98055	0.049247	0.404117
	0.185883	1.977284	0.049619	0.404925
MEG3;RTL1;EVL	-0.20038	-1.97822	0.049512	0.404712
TSPAN18	-0.17021	-1.98155	0.049134	0.403857
	0.189276	1.980258	0.049281	0.404141
	-0.10847	-1.97515	0.049862	0.405643
	0.20901	1.977667	0.049575	0.40484
TSPAN1;TAL1;TRABD2B;STIL;CYP4B1	0.179373	1.98022	0.049285	0.404146
	-0.19033	-1.97471	0.049912	0.405797
	0.102536	1.974169	0.049975	0.405953
ALS2CR12;ICA1L	-0.20217	-1.98027	0.04928	0.404141
DYSF;ADD2	-0.177	-1.97808	0.049528	0.40475
	0.149523	1.981223	0.049171	0.403888
FLT3	-0.2899	-1.97733	0.049614	0.404919
	0.154795	1.980455	0.049258	0.40412
ELF3;RNPEP;PPP1R12B;LGR6;LMOD1;CSRP1;NAV1;IPO9	-0.24755	-1.97462	0.049923	0.405805
TRMT112;UBXN1	-0.23589	-1.97756	0.049588	0.40484
	0.180054	1.976912	0.049661	0.405057
	-0.30758	-1.98155	0.049134	0.403857
	0.181227	1.980875	0.049211	0.404026
MLLT4	0.267592	1.980124	0.049296	0.404189
GRASP;ACVRL1;KRT80;KRT7;SLC11A2;POU6F1;KRT18;GALNT6;				
DAZAP2;KRT8;SMAGP	-0.33546	-1.9783	0.049503	0.404712
SNX8;NUDT1;PSMG3;FTSJ2	0.162522	1.9788	0.049446	0.404652
	-0.30574	-1.97868	0.049459	0.404687
	-0.16883	-1.98004	0.049305	0.404228
	-0.24268	-1.97432	0.049958	0.405923
IGHGP;IGHG2;KIF26A;PLD4;ENSG00000257556	-0.26133	-1.98028	0.049279	0.404141
	0.274419	1.98017	0.049291	0.404169
	0.270497	1.975077	0.049871	0.405643
	0.202192	1.981029	0.049193	0.403936
	-0.13973	-1.97914	0.049407	0.404542
	0.133286	1.977623	0.04958	0.40484
	-0.1814	-1.98035	0.04927	0.40412
	0.4258	1.979777	0.049335	0.404344
CPNE5;TBC1D22B;CDKN1A;PI16;FGD2	-0.29897	-1.97545	0.049828	0.405582
	0.139655	1.976857	0.049667	0.405087
	0.22779	1.982441	0.049034	0.403578

	0.146306	1.975459	0.049827	0.405582
	0.234883	1.97651	0.049707	0.405211
	0.193824	1.979515	0.049365	0.4044
	0.257119	1.980292	0.049277	0.404141
	0.173507	1.978677	0.04946	0.404687
	-0.20947	-1.97521	0.049856	0.405643
SRSF12;BACH2	-0.34091	-1.97842	0.049489	0.4047
NCKAP1L;TESPA1	0.233016	1.97823	0.049511	0.404712
	0.123719	1.977624	0.04958	0.40484
	0.117126	1.977655	0.049576	0.40484
	-0.26705	-1.97492	0.049888	0.405694
	-0.21999	-1.97492	0.049889	0.405694
	-0.16739	-1.97793	0.049545	0.404784
TNRC6C;ST6GALNAC1;SPHK1;SYNGR2	0.201146	1.977709	0.04957	0.40484
CDIP1	0.238461	1.977226	0.049625	0.404956
FAM117A;EPN3;ABI3;NXPH3;PHOSPHO1	-0.20549	-1.97442	0.049947	0.405866
	0.191603	1.981181	0.049176	0.403888
	-0.13439	-1.97926	0.049394	0.404494
	0.097132	1.978469	0.049484	0.404697
	0.178996	1.982092	0.049073	0.403715
	0.135637	1.978814	0.049445	0.404652
	-0.34052	-1.98154	0.049135	0.403858
	0.096124	1.977333	0.049613	0.404919
SMIM5;UNC13D;ST6GALNAC2;SPHK1;RHBDF2;RNF157-AS1;SMIM6;GALK1;TRIM65	0.28108	1.977017	0.049649	0.40505
	0.156928	1.978478	0.049483	0.404697
	0.147168	1.975599	0.049811	0.405528
RSPO3	-0.28562	-1.97929	0.04939	0.404488
LPCAT1	0.256964	1.980095	0.049299	0.4042
RHBDL2;MACF1;HEYL;MFSD2A	-0.29672	-1.97849	0.049482	0.404697
	0.23852	1.980778	0.049222	0.404041
	0.230157	1.980575	0.049245	0.404117
	-0.18719	-1.97792	0.049546	0.404784
ENSG00000187607	0.238789	1.978408	0.049491	0.4047
TCF7;SKP1;SAR1B	0.257643	1.977153	0.049634	0.404993
	-0.18411	-1.98116	0.049178	0.403895
	-0.16211	-1.97509	0.049869	0.405643
	0.282937	1.976741	0.049681	0.405122
ENSG00000242299	-0.15176	-1.97862	0.049466	0.40469
	-0.30705	-1.97526	0.04985	0.405643
SLC35C1;MDK;CREB3L1	0.178063	1.976054	0.049759	0.405352
IL22RA1;RUNX3;IFNLR1;PAQR7	0.256904	1.976995	0.049652	0.405054
	-0.20306	-1.97573	0.049796	0.405459
	0.164162	1.977378	0.049608	0.404919
MSMB	-0.32197	-1.97696	0.049655	0.405057
	-0.25611	-1.97778	0.049562	0.404839
	0.271237	1.974889	0.049892	0.405711

MTMR9	0.350304	1.98123	0.049171	0.403888
	0.222124	1.978238	0.04951	0.404712
ERN1;CD79B;LIMD2	0.238321	1.975104	0.049868	0.405643
GALE;CLIC4	-0.20046	-1.9821	0.049072	0.403715
LAX1;PIK3C2B	0.31198	1.97975	0.049338	0.404344
	0.234491	1.981526	0.049137	0.403863
	-0.12996	-1.97824	0.04951	0.404712
	-0.25817	-1.97746	0.049599	0.4049
ENSG00000271811;DNM3OS	0.26688	1.977692	0.049572	0.40484
	0.187697	1.976442	0.049715	0.40522
	0.285133	1.978482	0.049482	0.404697
	0.150575	1.977124	0.049637	0.404997
	-0.18917	-1.97395	0.05	0.405989
	0.285903	1.979413	0.049376	0.404407
	0.190298	1.97849	0.049481	0.404697
TMC8;TMC6;RHBDF2	-0.24326	-1.98038	0.049266	0.40412
GAS6;TMEM255B;F10;GAS6-AS1;TMCO3	-0.21246	-1.97506	0.049873	0.405646
RNF213	0.276635	1.978385	0.049493	0.404705
	-0.16279	-1.97764	0.049579	0.40484
	0.244957	1.976369	0.049723	0.405225
TTC21B;TTC21B-AS1	0.249726	1.976388	0.049721	0.40522
	-0.11653	-1.97642	0.049717	0.40522
WIBG;ENSG00000258056	0.216937	1.979419	0.049376	0.404407
	-0.21938	-1.98038	0.049267	0.40412
	0.242787	1.975512	0.049821	0.405563
	-0.17299	-1.97719	0.049629	0.404966
	0.177404	1.978995	0.049424	0.404613
	-0.14236	-1.97679	0.049675	0.405093
LRRC48;ATPAF2;FBXW10;SNORD3A;B9D1;ENSG00000232344;S				
NORD3B-1;SNORD3D	-0.21238	-1.97886	0.04944	0.404652
	0.143003	1.975978	0.049768	0.405352
PSMB8	-0.30643	-1.97776	0.049565	0.40484
NECAP2	-0.30192	-1.97595	0.049771	0.405352
PSMG3;SUN1	0.288379	1.979546	0.049361	0.4044
	-0.21139	-1.97898	0.049425	0.404613
ZBP1	0.201356	1.9824	0.049038	0.403578
CNPPD1	-0.14413	-1.97397	0.049998	0.405988
	0.188705	1.974339	0.049955	0.405922
WIPF1;CHN1	0.240175	1.977485	0.049596	0.404893
ERLIN1;DNMBP;MRPL43	0.332768	1.976511	0.049707	0.405211
CTTN;MRGPRF	-0.22634	-1.97883	0.049443	0.404652
	0.216014	1.98049	0.049254	0.40412
TIPARP;SLC33A1;LEKR1	-0.28812	-1.9746	0.049926	0.405805
	0.177616	1.976849	0.049668	0.405087
	0.261584	1.978342	0.049498	0.404712
	0.209761	1.974607	0.049925	0.405805
	0.249265	1.978151	0.04952	0.404712

CBFA2T3;PIEZO1;ENSG00000259881;ENSG00000224888;ENSG00000261226;RNF166;SPATA33;GAS8;SPIRE2;ENSG00000182376;ENSG00000260121;ANKRD11	-0.26152	-1.97789	0.04955	0.404797
MYCBPAP	-0.1746	-1.9773	0.049617	0.404919
	0.204437	1.977215	0.049627	0.404959
	0.200832	1.975618	0.049809	0.405518
	0.205653	1.978589	0.04947	0.40469
	0.198162	1.977265	0.049621	0.404936
P2RX4;P2RX7	0.28867	1.978772	0.049449	0.404663
	0.242505	1.97979	0.049334	0.404344
HN1L;IFT140;NHLRC4;CCDC78;ENSG00000261659;NME4;RGS11;TMEM204;ENSG00000196674;SNRNP25;BAIAP3;UNKL;SOX8;POLR3K;RHBDF1;METRN;MSLN;HAGHL;MRPL28	-0.37797	-1.97598	0.049768	0.405352
	-0.14916	-1.97848	0.049483	0.404697
	0.160041	1.976797	0.049674	0.405093
	-0.31853	-1.98145	0.049145	0.403888
	0.295716	1.977453	0.049599	0.4049
	-0.23858	-1.97492	0.049889	0.405694
RN7SKP198	0.181676	1.976829	0.049671	0.405087
MFNG;CSF2RB;APOL3;IL2RB;RAC2;CYTH4;APOL2;NCF4;C22orf23;LGALS2;IFT27;ANKRD54;MYH9;SOX10;LGALS1	0.282107	1.977827	0.049557	0.404814
	-0.17465	-1.9773	0.049617	0.404919
	-0.17426	-1.97649	0.04971	0.405211
	0.169687	1.981277	0.049165	0.403888
	0.222942	1.975112	0.049867	0.405643
	0.174771	1.976702	0.049685	0.405135
	-0.1825	-1.97675	0.04968	0.405122
RHOH	-0.34674	-1.97842	0.049489	0.4047
	0.227536	1.977967	0.049541	0.404777
	-0.14833	-1.97655	0.049703	0.405207
	-0.15699	-1.97601	0.049765	0.405352
	0.138647	1.975216	0.049855	0.405643
	-0.15023	-1.97605	0.04976	0.405352
HOXB4;HOXB3;PRR15L;CALCOCO2;HOXB-AS2;ITGB3;TBKBP1;COPZ2;HOXB6;MIR10A	-0.29779	-1.97594	0.049772	0.405352
TMEM258	-0.22622	-1.9745	0.049938	0.405837
	-0.17514	-1.97425	0.049965	0.405923
CECR2	-0.22213	-1.97915	0.049407	0.404542
	-0.13529	-1.97701	0.04965	0.405051
	-0.21285	-1.97981	0.049331	0.404337
	-0.14096	-1.97692	0.04966	0.405057
	-0.27123	-1.97739	0.049606	0.404916
	0.19852	1.975784	0.04979	0.405433
TNFRSF1B	0.288222	1.979744	0.049339	0.404344
	0.285175	1.975109	0.049867	0.405643
	0.227184	1.978155	0.04952	0.404712

	0.199018	1.976248	0.049737	0.405283
	-0.22144	-1.98062	0.04924	0.404095
	-0.25926	-1.97696	0.049656	0.405057
	-0.25169	-1.97529	0.049846	0.405635
	-0.2258	-1.98165	0.049123	0.403857
	0.113193	1.978256	0.049508	0.404712
P2RX4;P2RX7	-0.27309	-1.9786	0.049468	0.40469
SMPD2	-0.26334	-1.97919	0.049402	0.404528
PIK3CD;CASZ1;SLC2A5;SPSB1	0.312724	1.97829	0.049504	0.404712
	0.289434	1.979524	0.049364	0.4044
FGGY;RN7SL475P	-0.25976	-1.97482	0.0499	0.405751
AHR	-0.3018	-1.97532	0.049843	0.405622
	0.198878	1.979015	0.049422	0.404613
	-0.18836	-1.97428	0.049962	0.405923
	0.222978	1.974239	0.049967	0.405923
LINC01132;LYST	-0.30311	-1.98011	0.049298	0.404195
	0.197727	1.9754	0.049834	0.405584
	0.194473	1.977985	0.049539	0.404776
FRA10AC1	-0.24458	-1.97843	0.049488	0.4047
	0.301353	1.978006	0.049536	0.404772
	-0.14484	-1.97546	0.049827	0.405582
	-0.18811	-1.97585	0.049782	0.405393
	0.151398	1.973962	0.049999	0.405988
	-0.14417	-1.97943	0.049374	0.404407
SDK1;ENSG00000234432	0.223552	1.976143	0.049749	0.405315
	0.278889	1.97692	0.04966	0.405057
TSPAN32;C11orf21	-0.21729	-1.97852	0.049477	0.404697
	0.199641	1.974266	0.049964	0.405923
	-0.13988	-1.9746	0.049925	0.405805
P2RX4;P2RX7;KNTC1	0.23592	1.976683	0.049687	0.40514
	0.15947	1.977324	0.049614	0.404919
POLG	0.123448	1.974674	0.049917	0.405805
	-0.22029	-1.97595	0.049771	0.405352
	0.126101	1.974642	0.049921	0.405805
	0.270734	1.978566	0.049473	0.404697
AGPAT3;PWP2;LRRC3	-0.32319	-1.97821	0.049513	0.404712
NLGN2	0.116739	1.974612	0.049924	0.405805
HN1L;TMEM204;IL32;CLUAP1;ENSG00000262370;PAQR4;PRSS				
22;CCDC64B;ENSG00000205890;PDPK1;ABCA3;IFT140	-0.29555	-1.97406	0.049987	0.405981
LINC01121	0.314654	1.97975	0.049338	0.404344
	0.203716	1.974762	0.049907	0.405767
	-0.24053	-1.97527	0.049849	0.405643
	0.236548	1.975407	0.049833	0.405584
	-0.18378	-1.97858	0.049471	0.40469
	-0.26887	-1.97694	0.049658	0.405057
	-0.22018	-1.97492	0.049889	0.405694

	0.216393	1.975471	0.049826	0.405582
ARHGAP28	0.191713	1.974242	0.049967	0.405923
	0.160187	1.977075	0.049643	0.405034
	-0.14028	-1.97606	0.049759	0.405352
	-0.17134	-1.97757	0.049586	0.40484
TAP2;HCP5;TAP1;HLA-DMA;HLA-B;HSPA1B;HSPA1A;PSMB9;HLA-C;HLA-DMB;HLA-DOA;PPT2;TAPSAR1	-0.34077	-1.97532	0.049843	0.405622
	-0.19173	-1.9779	0.049548	0.404793
	0.178102	1.97517	0.04986	0.405643
PIAS1;KIF23;CORO2B	0.231503	1.976706	0.049685	0.405135
ALPL;LDLRAD2	-0.24755	-1.97867	0.049461	0.404687
YARS;AK2;TXLNA	-0.15781	-1.97641	0.049718	0.40522
	0.100952	1.97469	0.049915	0.405805
	0.284358	1.980227	0.049284	0.404146
	0.298089	1.980554	0.049247	0.404117
	0.574775	1.976663	0.04969	0.40514
	0.158731	1.977341	0.049612	0.404919
	0.268826	1.97606	0.049758	0.405352
	0.344163	1.974632	0.049922	0.405805
ERAP1	0.27024	1.974003	0.049994	0.405981
	-0.28479	-1.97508	0.049871	0.405643
	0.227036	1.975797	0.049789	0.405429
	-0.17336	-1.97651	0.049707	0.405211
SCARF1;FAM101B;YWHAE;ENSG00000262777;GLOD4	0.237734	1.978943	0.04943	0.404613
TRGV10	0.188107	1.976107	0.049753	0.405337
	-0.27726	-1.97513	0.049865	0.405643
	0.189228	1.974821	0.0499	0.405751
	0.282676	1.97732	0.049615	0.404919
PDE3B	-0.28043	-1.97397	0.049998	0.405988
	0.238312	1.975442	0.049829	0.405582
CR1L	-0.2069	-1.97602	0.049763	0.405352
	0.203411	1.97401	0.049993	0.405981
	0.269745	1.976717	0.049683	0.405135
	0.122581	1.974126	0.04998	0.405981
ZNRD1-AS1	-0.16641	-1.97592	0.049775	0.405365
	-0.27641	-1.9762	0.049743	0.405294
	-0.18325	-1.97668	0.049688	0.40514
	0.240304	1.975133	0.049864	0.405643
	0.202355	1.975555	0.049816	0.405544
MRGPRF;TPCN2	-0.24006	-1.97401	0.049993	0.405981
	-0.16993	-1.97811	0.049524	0.404726
	0.182226	1.978561	0.049473	0.404697
	0.284035	1.974862	0.049895	0.405728
	-0.14867	-1.97628	0.049733	0.40528
	0.248417	1.974031	0.049991	0.405981
	0.245846	1.975561	0.049816	0.405544

DVL3;PSMD2;ECE2;C3orf70;B3GNT5;MAGEF1	0.232226	1.97448	0.049939	0.405838
	0.234672	1.974309	0.049959	0.405923
	-0.25553	-1.97436	0.049953	0.405911
	0.281463	1.974058	0.049988	0.405981
	0.167636	1.974044	0.049989	0.405981
	0.139173	1.976498	0.049708	0.405211
RASGRP2;EFEMP2;SIPA1;MAP4K2;FERMT3;LTBP3;NRXN2;EHD1	-0.1429	-1.97449	0.049938	0.405837
CIRBP-AS1	-0.23601	-1.97443	0.049946	0.405865
	0.18289	1.975954	0.049771	0.405352
ITGAL;MVP	0.183883	1.9757	0.0498	0.405473
	-0.15925	-1.97428	0.049962	0.405923
	0.244736	1.976933	0.049659	0.405057
	-0.21036	-1.97511	0.049867	0.405643
	-0.14851	-1.97714	0.049635	0.404994
	0.315349	1.976832	0.04967	0.405087
	0.168015	1.976666	0.049689	0.40514
TSSC1	0.189496	1.974165	0.049975	0.405953
ARL17A;KANSL1-AS1;KANSL1;LRRC37A	0.303246	1.977819	0.049558	0.404815
	0.20864	1.976447	0.049714	0.40522
	0.179575	1.974499	0.049937	0.405837
ENSG00000260425	-0.25986	-1.97706	0.049645	0.405034
	0.265584	1.974926	0.049888	0.405694
	-0.21957	-1.97658	0.0497	0.405191
	-0.14413	-1.97547	0.049826	0.405582
	0.28472	1.9762	0.049742	0.405294
ENSG00000261659;CCDC78;NME4;IFT140;BAIAP3;ENSG00000				
196674	-0.22989	-1.97741	0.049604	0.404916
	0.145943	1.974077	0.049986	0.405981
USP25	0.296208	1.975052	0.049874	0.405646
ENSG00000264198;IKZF3;PLXDC1;ERBB2;IGFBP4;MED24	-0.29272	-1.97457	0.049929	0.405806
ACAP1;CLEC10A;CLDN7;TNFSF12;ACADVL;CTC1	0.205725	1.975883	0.049779	0.405379
	0.15619	1.975395	0.049834	0.405584
	0.214793	1.974035	0.04999	0.405981
	-0.2517	-1.97725	0.049622	0.40494
ENSG00000224992	-0.14715	-1.97478	0.049905	0.405762
	-0.156	-1.97769	0.049573	0.40484
	-0.20273	-1.97595	0.049771	0.405352
	-0.2328	-1.97628	0.049733	0.40528
TRAC	-0.26338	-1.97639	0.049721	0.40522
	0.263065	1.978126	0.049523	0.404722
MZB1;ECSCR	-0.17618	-1.9764	0.04972	0.40522
CXCR6;XCR1;ZDHHC3	-0.37454	-1.97534	0.049841	0.405621
ZNF831;FAM217B	-0.19354	-1.97555	0.049817	0.405544
SEMA7A	0.222321	1.974055	0.049988	0.405981
EBF2	-0.28725	-1.97453	0.049933	0.405834
	0.187857	1.974023	0.049992	0.405981

	-0.23656	-1.97468	0.049916	0.405805
	0.168534	1.975563	0.049815	0.405544
	-0.17694	-1.97504	0.049875	0.405646
TAP1;HLA-DMB;TAP2;HLA-DOA;HLA-DPB1;PSMB9;HLA-DMA;HLA-DPA1;TAPSAR1;HLA-DRA;GPSM3;HLA-DRB1;PSMB8;C2;RPL32P1	0.307062	1.975185	0.049859	0.405643
TENM2	0.145605	1.974925	0.049888	0.405694
FLNB;DNASE1L3	-0.24969	-1.97512	0.049866	0.405643
	-0.18327	-1.97624	0.049738	0.405283
	-0.19165	-1.9748	0.049902	0.405751
	-0.25398	-1.97475	0.049908	0.40577
INPP5J;CPSF1P1;SMTN;ENSG00000198832	-0.28704	-1.975	0.04988	0.405663
	0.435722	1.975627	0.049808	0.405518
ADAM33	-0.14987	-1.97619	0.049744	0.405297
	0.267729	1.975098	0.049869	0.405643
VEZF1;MIR142;COIL;EPX;MRPS23	-0.2836	-1.97594	0.049772	0.405352
SLK	0.323863	1.974324	0.049957	0.405923
CIITA;TXNDC11;CPPED1;LITAF	-0.28282	-1.97543	0.04983	0.405582
	-0.29726	-1.97408	0.049985	0.405981
	-0.22951	-1.97417	0.049975	0.405953
TWF1P1	0.233134	1.974267	0.049964	0.405923

chr	start	end	min_p	n_probes	z_p	z_sidak_p	t.pos.t.neg	t.sum	refGene_name	refGene_distance	refGene_feature	cpgIslandExt_name	cpgIslandExt_distance	cpgIslandExt_feature	gene	sym	cpgs
3	42977776	42978248	4.58E-18	8	1.06E-22	9.55E-20	8/0	34.042136	KRBOX1-AS1;KRBOX1	0;0	nc_exon;TSS+intron+exon+utr5	CpG: 24	0	island	ENSG00000144648	ACKR2	cg01990997;cg27084712;cg11303738;cg22714811;cg08111629;cg21104412;cg08364654;cg18516471
19	50666237	50666552	5.55E-10	6	1.78E-14	2.41E-11	6/0	22.470396	IZUMO2	0	TSS+utr5+cds	CpG: 30	0	island	ENSG00000142541	RPL13A	cg10374084;cg14742716;cg09697795;cg08188330;cg24296452;cg01857260
11	124746753	124747263	0.001567	6	9.24E-11	7.75E-08	6/0	18.728444	ROBO3	0	intron+cds	CpG: 73	0	island	ENSG00000154134	ROBO3	cg08833670;cg07451926;cg21071117;cg01253160;cg17272642;cg02940147
17	1094028	1094555	4.30E-05	7	1.07E-10	8.64E-08	0/7	-20.72645	ABR	0	intron	CpG: 120	10195				cg16441919;cg10718894;cg25334860;cg20612875;cg01466631;cg17224892;cg18709110
8	1049166	1049477	7.75E-05	5	4.21E-09	5.78E-06	0/5	-15.42122	DLGAP2;DLGAP2	0;0	nc_intron;intron	CpG: 48	293	shore			cg09618773;cg04106395;cg21515003;cg15682797;cg17119279
15	45671000	45671347	0.0001178	10	2.53E-08	3.11E-05	10/0	24.149962	GATM	0	intron+utr5	CpG: 98	0	island	ENSG00000171766;ENSG00000140279;ENSG00000104133;ENSG00000166710;ENSG00000138606	GATM;DUOX2;SPG11;B2M;SHF	cg26796135;cg24328539;cg05896902;cg04025675;cg20381115;cg18435832;cg15744692;cg11032707;cg00767496;cg04980849
3	142666107	142666476	0.001219	4	1.14E-07	0.0001322	4/0	12.191294	LOC100507389	4729	intergenic	CpG: 35	0	island	ENSG00000175066	GK5	cg12987312;cg07264726;cg21136104;cg19513207
15	75251490	75251733	0.001514	3	1.31E-07	0.000231	3/0	10.217229	RPP25	-1715	intergenic	CpG: 28	0	island	ENSG00000140481;ENSG00000129009	CCDC33;ISLR	cg21523564;cg05627522;cg18612461
1	119532043	119532352	0.001514	8	1.99E-07	0.0002749	8/0	19.026165	TBX15	0	TSS+exon+utr5	CpG: 19	0	island			cg14565725;cg24884142;cg07892597;cg10703826;cg05940231;cg25340966;cg26272623;cg12664119
11	1891931	1892307	0.0006939	10	2.88E-07	0.0003267	09-Jan	20.741317	LSP1;LSP1;LSP1;LSP1	0;0;0;0	TSS+intron+exon+utr5;intron+utr5;TSS+exon+utr5;intron	CpG: 45	0	island	ENSG00000110665;ENSG00000130592;ENSG00000064201;ENSG00000184682	C11orf21;LSP1;TSPAN32;C11orf89	cg08276062;cg05443390;cg24552015;cg09989681;cg20331155;cg21529477;cg22043296;cg26897904;cg26868156;cg15079934
5	150325953	150326312	0.002239	7	3.35E-07	0.0003989	7/0	17.262623	ZNF300P1	0	nc_exon	CpG: 25	0	island	ENSG00000123643;ENSG00000197083	SLC36A1;ZNF300P1	cg15996534;cg13790719;cg05016408;cg27079680;cg19585597;cg26212163;cg07499553
8	41167847	41168072	0.003669	4	2.71E-07	0.0005149	4/0	11.983767	SFRP1	-855	intergenic	CpG: 147	707	shore			cg06166767;cg14824386;cg07935886;cg01074584

6	32797175	32797476	0.0002881	7	3.75E-07	0.0005329	7/0	17.213816	TAP2	0	intron+cds	CpG: 39	-8808	ENSG00000242574;ENSG00000204257;ENSG00000240065;ENSG00000204252;ENSG00000204287;ENSG00000204261;ENSG00000231389;ENSG00000223865;ENSG00000232629;ENSG00000204385	HLA-DMB;HLA-DMA;PSMB9;HLA-DOA;HLA-DRA;TAPSAR1;HLA-DPA1;HLA-DPB1;HLA-DQB2;SLC44A4	cg00340328;cg11752829;cg20366633;cg26070383;cg07023208;cg14812313;cg19887824
13	37004535	37004853	0.001071	10	1.01E-06	0.001353	10/0	21.497948	CCNA1	-1113	intergenic	CpG: 103	-728	shore	ENSG00000172915	NBEA	cg19866195;cg14089714;cg01040523;cg26345046;cg03871460;cg13711394;cg21754388;cg23831735;cg07962128;cg17215831
4	940643	941054	0.005179	3	1.51E-06	0.001566	3/0	9.2838098	TMEM175	0	intron+utr5	CpG: 48	0	island			cg23939001;cg20814179;cg08222618
6	100912821	100913250	0.005079	6	1.65E-06	0.001641	6/0	14.579176	SIM1	-1270	intergenic	CpG: 109	0	island	ENSG00000112249	ASCC3	cg18528367;cg21684012;cg27252696;cg17380661;cg12233363;cg14176752
10	27703246	27703547	0.003627	8	1.50E-06	0.002126	8/0	18.297373	PTCHD3	0	TSS+exon+utr5	CpG: 73	0	island			cg27363617;cg00650361;cg02933909;cg00632657;cg14174317;cg15283904;cg09544380;cg04500084
12	122658721	122658897	0.00419	3	9.02E-07	0.002188	0/3	-9.520487	LRRC43;IL31	0;0	intron+utr5;TSS+exon+utr5	CpG: 54	-8751		ENSG00000130779;ENSG00000256304;ENSG00000251497;ENSG00000009075	CLIP1;ENSG00000256304;ENSG00000025147;PITPNM2	cg23878205;cg09368704;cg24271203
6	29521406	29521803	0.003627	23	2.22E-06	0.002387	23/0	41.072837	UBD	1585	intergenic	CpG: 80	0	island	ENSG00000214922;ENSG00000224157;ENSG00000204619;ENSG00000204681;ENSG00000176998	HLA-F-AS1;HCG14;PPP1R11;GABBR1;HCG4	cg03402459;cg22305167;cg15818307;cg21133153;cg06087185;cg20723129;cg09205920;cg15490715;cg06613392;cg18488157;cg00370229;cg12217400;cg03409187;cg19690984;cg16044251;cg18588589;cg06378770;cg22617773;cg14278853;cg20034792;cg26131286;cg21153898;cg26142965
4	6728935	6729199	0.004292	4	1.58E-06	0.002548	4/0	11.113304	BLOC1S4	9548	intergenic	CpG: 22	0	island			cg14858014;cg23418467;cg00146756;cg08695418
8	103750820	103751006	0.005029	4	1.15E-06	0.002646	0/4	-11.33271	LOC101927245	51869	intergenic	CpG: 18	0	island			cg16172099;cg09129067;cg23958704;cg05288172
19	56135915	56136136	0.01184	6	1.63E-06	0.003142	0/6	-14.96102	ZNF784	0	TSS+utr5+cds	CpG: 20	0	island	ENSG00000197483;ENSG00000267298	ZNF628;ENSG00000297628	cg16954928;cg23844497;cg14332223;cg17954957;cg22981738;cg00766729
12	54954336	54954400	0.003103	3	4.94E-07	0.003292	3/0	9.7698341	PDE1B;PDE1B	0;0	intron;intron+utr5	CpG: 53	-27533				cg08816590;cg07681579;cg00660843

6	44186913	44187132	0.006525	8	1.79E-06	0.00348	8/0	17.941953	SLC29A1	-109	intergenic	CpG: 24	-54	shore	ENSG00000146232;ENSG00000180992	NFKBIE;RPL14	cg17217665;cg04742345;cg02433882;cg11452354;cg22122174;cg10519140;cg13793145;cg07053014
6	26240306	26240528	0.008291	4	2.47E-06	0.004745	4/0	11.062211	HIST1H4F	-125	intergenic	CpG: 28	-169	shore	ENSG00000112763	BTN2A1	cg00620190;cg00436476;cg12260798;cg22723502
12	7858591	7858848	0.008704	6	2.92E-06	0.004849	05-Jan	8.7477102	DPPA3	-5180	intergenic	CpG: 24	0	island			cg27092986;cg01226865;cg13733545;cg10935615;cg01860189;cg19875936
13	37249425	37249481	0.003627	3	6.76E-07	0.005146	3/0	9.6252298	SERTM1	0	intron+utr5	CpG: 60	962	shore			cg25217100;cg21121616;cg25072733
4	85403914	85404099	0.007789	3	2.30E-06	0.005288	3/0	9.1657132	NKX6-1	10336	intergenic	CpG: 57	0	island	ENSG00000163623	NKX6-1	cg25174438;cg24813038;cg13582816
6	26016673	26016808	0.008704	3	2.75E-06	0.008666	3/0	9.0868359	HIST1H1A	451	intergenic	CpG: 41	-3863		ENSG00000026950;ENSG00000186470	BTN3A1;BTN3A2	cg26174326;cg23259375;cg17261676
13	31506684	31506837	0.01086	6	3.92E-06	0.01088	6/0	14.262915	TEX26;TEX26;TEX26-AS1	0;0;0	nc_exon;TSS+exon+utr5;nc_exon	CpG: 85	25579		ENSG00000175664	TEX26	cg16290689;cg02247178;cg10923408;cg13614409;cg27420922;cg00424169
15	69744389	69744684	0.01287	4	8.22E-06	0.01184	4/0	10.407152	RPLP1	-472	intergenic	CpG: 66	-365	shore			cg04774597;cg26218577;cg07513768;cg00469015
1	247694040	247694275	0.01711	4	6.85E-06	0.01237	4/0	10.56725	OR2C3;GCSAML;GCSAML-AS1	0;0;0	exon+utr3;intron+utr5;nc_exon	CpG: 51	0	island	ENSG00000223519	KIF28P	cg17545182;cg13930544;cg12754571;cg12758973
19	36909605	36909913	0.002319	3	1.12E-05	0.01541	3/0	8.5408993	ZFP82	-29	intergenic	CpG: 66	0	island	ENSG00000232677;ENSG00000161281	LINC00665;COX7A1	cg13304274;cg13252583;cg09257332
12	69327448	69327531	0.01178	3	3.04E-06	0.01554	3/0	9.1386721	CPM	0	intron+utr5	CpG: 62	0	island	ENSG00000240087	ENSG00000240087	cg25778262;cg27076669;cg21211357
8	145162904	145163136	0.02015	4	8.53E-06	0.0156	4/0	10.442186	WDR97	0	intron+cds	CpG: 216	0	island	ENSG00000179698;ENSG00000104522	KIAA1875;TSTA3	cg07195118;cg26272248;cg14631276;cg06239191
1	63249196	63249213	0.003627	4	6.55E-07	0.01634	4/0	11.534671	ATG4C	-563	intergenic	CpG: 113	94847				cg09756865;cg24082680;cg22683036;cg06366791
19	58520846	58521057	0.00205	3	8.86E-06	0.01779	3/0	8.6473254	LOC100128398	2272	intergenic	CpG: 41	0	island	ENSG00000176593;ENSG00000152439;ENSG00000083814;ENSG00000001967 24;ENSG00000179909;ENSG00000171649	ENSG00000176593;ZNF773;ZNF671;ZNF418;ZNF154;ZIK1	cg06610849;cg02428119;cg25550390
19	36247866	36248077	0.02715	4	1.39E-05	0.02778	4/0	10.178981	HSPB6	0	TSS+utr5+cds	CpG: 127	0	island	ENSG00000267053;ENSG00000161249	ENSG00000267053;DMKN	cg13558754;cg24673765;cg10790747;cg15125472
14	57261701	57262049	0.01034	3	2.41E-05	0.0292	3/0	8.1767166	OTX2	5375	intergenic	CpG: 98	0	island			cg12710899;cg00107772;cg08235161
19	18344321	18344520	0.01835	2	1.46E-05	0.03087	2/0	6.6003186	PDE4C	0	intron+utr5	CpG: 63	125	shore	ENSG00000105671	DDX49	cg13899108;cg15215348

6	28601268	28601519	0.03598	13	2.28E-05	0.0381	13/0	23.565383	LINC00533	14543	intergenic	CpG: 32	-1334	shore	ENSG00000184348;ENSG00000184357;ENSG00000197153	HIST1H2AK;HIST1H1B;HIST1H3J	cg16731266;cg07017437;cg25653641;cg22572476;cg27535677;cg22497095;cg26865747;cg03759229;cg13565129;cg20851828;cg14654363;cg00990380;cg12763978
6	74072241	74072447	0.03303	7	1.92E-05	0.03914	7/0	14.878036	KHDC3L	0	TSS+exon+utr5	CpG: 23	-847	shore			cg20048521;cg19146112;cg16074228;cg27237745;cg13001017;cg26550861;cg12070285

chr	start	end	min_p	n_probes	z_p	z_sidak_p	t.pos.t.neg	t.sum	refGene_name	refGene_distance	refGene_feature	cpgIslandExt_name	cpgIslandExt_distance	cpgIslandExt_feature	gene	sym	cpgs
10	135340444	135341025	2.68E-12	9	4.67E-15	3.43E-12	0/9	-32.14482	CYP2E1	0	TSS+utr5+cds	CpG: 119	-230	shore	ENSG00000148803;ENSG00000130640;ENSG00000127884;ENSG00000203772	FUOM;TUBGCP2;ECHS1;SPRN	cg07381788;cg09208540;cg10986462;cg01465364;cg00436603;cg14250048;cg19571004;cg19837601;cg21024264
16	4714079	4714815	1.97E-06	7	6.65E-13	3.86E-10	0/7	-24.4211	MGRN1;MGRN1	0;0	intron+cds;nc_intron+nc_exon	CpG: 21	11228		ENSG00000166246;ENSG00000262246;ENSG00000267795;ENSG00000140632;ENSG00000089486;ENSG00000153446;ENSG00000266994;ENSG00000103184;ENSG00000126603;ENSG00000090447;ENSG00000262686	C16orf71;CORO7;SMIM22;GLYR1;CDIP1;C16orf89;ENSG00000266994;SEC14L5;GLIS2;TFAP4;ENSG00000262686	cg02647929;cg06323332;cg27193519;cg01922891;cg04962621;cg01156249;cg07635227
1	147245484	147245626	1.47E-08	3	1.38E-13	4.14E-10	3/0	14.812761	NBPF19	0	intron	CpG: 80	102566		ENSG00000116128	BCL9	cg08307963;cg17941330;cg26191449
11	69919474	69920054	7.41E-05	5	2.49E-12	1.83E-09	5/0	18.635707	LINC02584	0	nc_intron	CpG: 106	-4284		ENSG00000162105;ENSG00000226627;ENSG00000171671;ENSG00000236262;ENSG00000227726;ENSG00000085733	SHANK2;SHANK2-AS1;SHANK2-AS3;SHANK2-AS2;ENSG00000227726;CTTN	cg04530028;cg14637111;cg08288074;cg24996981;cg10653607
1	9380565	9381431	3.16E-06	5	8.00E-12	3.95E-09	0/5	-18.14314	SPSB1	0	intron+utr5	CpG: 24	-34695		ENSG00000234546;ENSG00000171621;ENSG00000188807;ENSG00000162426;ENSG00000049239;ENSG00000171608;ENSG00000171603;ENSG00000054523;ENSG00000162444;ENSG00000142583	ENSG00000234546;SPSB1;TMEM201;SLC45A1;H6PD;PIK3CD;CLSTN1;KIF1B;RBP7;SLC2A5	cg23632432;cg06349050;cg19820919;cg12221621;cg03116948
8	145018815	145019839	3.44E-06	17	1.78E-11	7.42E-09	0/17	-43.54785	PLEC;MIR661;PLEC	0;0;0	intron;nc_gene;TSS+intron+utr5+cds	CpG: 29	0	island	ENSG00000203499;ENSG00000104529;ENSG00000254389;ENSG00000255224;ENSG00000265660;ENSG00000184428;ENSG00000147799;ENSG00000196378;ENSG00000160949;ENSG00000254973;ENSG00000181085;ENSG00000182851;ENSG00000180921;ENSG00000167701;ENSG00000178896;ENSG00000104522;ENSG00000177335	FAM83H-AS1;EEF1D;RHPN1-AS1;ENSG00000255224;MIR4664;TOP1MT;ARH GAP39;ZNF34;TONSL;ENSG00000254973;MAP K15;GPIHBP1;FAM83H;GPT;EXOSC4;TSTA3;C8orf31	cg13984060;cg07898713;cg17960164;cg07690326;cg11956819;cg03537810;cg16783170;cg09406760;cg00128812;cg10451724;cg24120597;cg16434940;cg26373812;cg00611614;cg09235308;cg04018533;cg02140559
13	114812176	114813015	4.45E-05	6	1.86E-11	9.46E-09	0/6	-20.11687	RASA3;RASA3	0;0	intron;intron+utr5	CpG: 43	-927	shore	ENSG00000150403;ENSG00000130177;ENSG00000153531;ENSG00000184497;ENSG00000185989;ENSG00000150401;ENSG00000183087;ENSG00000126226;ENSG00000198176	TMCO3;CDC16;ADPRHL1;TMEM255B;RASA3;DCUN1D2;GAS6;PCID2;TFDP1	cg11759552;cg20028528;cg12667002;cg08707963;cg12938556;cg03646740
14	105932811	105933283	2.45E-07	4	1.19E-11	1.08E-08	0/4	-16.06537	MTA1;MTA1	0;0	intron+exon+utr3;intron+cds	CpG: 25	0	island	ENSG00000140104;ENSG00000185100;ENSG00000203485;ENSG00000211943;ENSG00000211941;ENSG00000211947;ENSG00000211949;ENSG00000211899;ENSG00000211895;ENSG00000226777;ENSG00000211959;ENSG00000237111;ENSG00000184916;ENSG00000211893;ENSG00000211890	C14orf79;ADSSL1;INF2;IGHV3-15;IGHV3-11;IGHV3-21;IGHV3-23;IGHM;IGHA1;KIAA0125;IGHV4-39;IGHJ3P;JAG2;IGHG2;IGHA2	cg27156542;cg26338030;cg14480449;cg25023215
12	132219327	132219529	2.56E-07	2	9.10E-12	1.93E-08	0/2	-10.64871	SFSWAP	0	intron	CpG: 18	0	island	ENSG00000177084;ENSG00000111450;ENSG00000111452;ENSG00000185163;ENSG00000177169;ENSG00000198598	POLE;STX2;GPR133;DDX51;ULK1;MMP17	cg10454857;cg13327785
14	94392717	94392932	2.56E-07	4	1.20E-11	2.38E-08	0/4	-16.36553	FAM181A;FAM181A-AS1;FAM181A	0;0;0	intron;nc_exon;intron+utr5	CpG: 118	-12303		ENSG00000119698;ENSG00000133958;ENSG00000100628;ENSG00000170270;ENSG00000258987;ENSG00000258584;ENSG00000175785;ENSG00000170099;ENSG00000165943;ENSG00000140093;ENSG00000197249;ENSG00000140067;ENSG00000119632	PPP4R4;UNC79;ASB2;C14orf142;ENSG00000258987;FAM181A-AS1;PRIMA1;SERPINA6;MOAP1;SERPINA10;SERPINA1;FAM181A;IFI27L2	cg13026754;cg19591003;cg26267081;cg12173661

21	43786626	43786997	2.56E-07	6	3.26E-11	3.76E-08	0/6	-20.87904	TFF1	0	TSS+exon+utr5	CpG: 37	60310	ENSG00000160190;ENSG00000160182;ENSG00000160183;ENSG00000160179;ENSG00000236384;ENSG00000177398;ENSG00000160188;ENSG00000235772;ENSG00000160200;ENSG00000225431;ENSG00000184012;ENSG00000184385;ENSG00000160191;ENSG00000227702;ENSG00000237232;ENSG00000160180;ENSG00000141956;ENSG00000237989	SLC37A1;TFF1;TMPRSS3;ABCG1;LINC00479;UMODL1;RSPH1;ENSG0000 0235772;CBS;ENSG0000 0225431;TMPRSS2;C21orf128;PDE9A;LINC00111;ZNF295-AS1;TFF3;PRDM15;ENSG00000237989	cg06099014;cg22438247;cg02643667;cg19247032;cg27405706;cg01886855
5	476496	476842	2.57E-07	4	3.17E-11	3.91E-08	0/4	-15.73635	SLC9A3-AS1;SLC9A3	0;0	nc_intron+nc_exon;intron+cds	CpG: 48	0 island	ENSG00000153395;ENSG00000171368;ENSG00000249915;ENSG00000188242;ENSG00000066230	LPCAT1;TPPP;PDCD6;ENSG00000188242;SLC9A3	cg06852942;cg08758174;cg01295188;cg16235679
6	10520873	10521715	8.73E-06	6	8.46E-11	4.29E-08	0/7	-21.92197	GCNT2	0	TSS+intron+exon+utr5	CpG: 43	94235	ENSG00000137210;ENSG00000153157;ENSG00000111843;ENSG00000111859;ENSG00000137434	TMEM14B;SYCP2L;TMEM14C;NEDD9;C6orf52	cg14112601;cg24690479;cg08382072;cg22378252;cg19657351;cg26781466;cg1163612 7
10	51548894	51549656	4.18E-05	5	1.14E-10	6.38E-08	0/5	-17.80303	TIMM23B-AGAP6;MSMB;TIMM23B;TIMM23B	0;0;0;0	nc_intron;TSS+intron+utr5+cds;nc_intron;intron	CpG: 53	-15415	ENSG00000138294;ENSG00000227345;ENSG00000235618;ENSG00000197444;ENSG00000138297	MSMB;PARG;ENSG0000 0235618;OGDHL;TIMM23B	cg27607126;cg17030820;cg26191747;cg10326726;cg12083644
17	4621204	4621252	2.56E-07	3	1.01E-11	9.01E-08	0/3	-13.60835	ARRB2;ARRB2	0;0;0	cds;exon+utr5;nc_exon	CpG: 100	6781	ENSG00000180787;ENSG00000261863;ENSG00000141480;ENSG00000182557;ENSG00000129219;ENSG00000161920;ENSG00000161929;ENSG00000182853;ENSG00000141503;ENSG00000261879;ENSG00000161905;ENSG00000167842;ENSG00000129250	ZFP3;ENSG00000261863;ARRB2;SPNS3;PLD2;MED11;SCIMP;VMO1;MINK1;ENSG00000261879;ALOX15;MIS12;KIF1C	cg02286380;cg07971820;cg13466002
3	11267019	11267627	0.0004749	5	2.70E-10	1.90E-07	0/5	-16.81836	HRH1	0	intron+utr5	CpG: 31	-46262	ENSG00000196639	HRH1	cg17660833;cg05551003;cg11702866;cg17571559;cg09666573
6	134491420	134491531	1.19E-06	3	8.06E-11	3.11E-07	0/3	-12.95703	SGK1	0	cds	CpG: 118	-4408	ENSG00000118526;ENSG00000112319;ENSG00000118515	TCF21;EYA4;SGK1	cg21366688;cg18566177;cg17284168
17	75096201	75096382	1.96E-06	3	1.79E-10	4.23E-07	0/3	-12.73256	SEC14L1	0	intron+utr5	CpG: 36	11116	ENSG00000129657;ENSG00000185262;ENSG00000267128;ENSG00000129654;ENSG00000176170;ENSG00000070731;ENSG00000161542;ENSG00000267506;ENSG00000182534;ENSG00000078687;ENSG00000161544;ENSG00000070526;ENSG00000163597;ENSG00000124225;ENSG00000132819;	SEC14L1;UBALD2;RNF157-AS1;FOXJ1;SPHK1;ST6GALNAC2;PRPSAP1;ENSG00000267506;MXRA7;TNRC6C;CYGB;ST6GALNAC1;SNHG16 PMEPA1;RBM38;TFAP2C	cg20610950;cg11597902;cg11186858
20	55968729	55969282	0.002206	2	6.79E-10	5.25E-07	0/2	-9.295756	RBM38	0	intron	CpG: 75	1765 shore	ENSG00000087510		cg17799760;cg10336935
1	40364869	40365499	0.003127	2	8.66E-10	5.87E-07	2/0	9.2353362	MYCL;MYCL	0;0	intron;exon+utr3	CpG: 171	-1096 shore	ENSG00000116990;ENSG00000168389	MYCL;MFSD2A	cg00295382;cg16163765
22	46473038	46473343	0.0006591	3	4.24E-10	5.94E-07	0/3	-12.12447	LOC642648	-6137	intergenic	CpG: 249	4510	ENSG00000100422;ENSG00000130943;ENSG00000234869	CERK;PKDREJ;ENSG00000234869	cg25487405;cg17342469;cg27214856
8	1992554	1992965	1.20E-06	4	5.91E-10	6.14E-07	0/4	-14.93053	MYOM2	-195	intergenic	CpG: 17	-10844	ENSG00000104728;ENSG00000183117	ARHGEF10;CSMD1	cg22843712;cg10700718;cg25898146;cg25541958
17	1553340	1553661	3.16E-06	8	5.45E-10	7.26E-07	0/8	-24.65263	RILP	-180	intergenic	CpG: 130	91 shore	ENSG00000167721;ENSG00000132376;ENSG00000177374;ENSG00000074660;ENSG00000263050;ENSG00000108953;ENSG00000174238	TSR1;INPP5K;HIC1;SCARF1;ENSG00000263050;YWHAE;PITPNA	cg15380836;cg05548425;cg08625564;cg24096415;cg23488607;cg03044281;cg19502936;cg04049033
7	2672399	2673197	0.002458	4	2.71E-09	1.45E-06	0/4	-13.75458	TTYH3	0	intron	CpG: 69	462 shore			cg15934804;cg23694492;cg09956615;cg09055236

19	827714	827843	3.16E-06	5	4.56E-10	1.51E-06	0/5	-17.50974	AZU1	0	TSS+exon+utr5	CpG: 153	5045	ENSG00000070404;ENSG00000099812;ENSG00000198858;ENSG00000141934;ENSG00000099864;ENSG00000185761;ENSG00000130005;ENSG00000129946;ENSG00000116032;ENSG00000167470;ENSG00000071564;ENSG00000160953;ENSG00000197766;ENSG00000115257;ENSG00000167468	FSTL3;MISP;R3HDM4;PAP2C;PALM;ADAMTSL5;GAMT;SHC2;GRIN3B;MIDN;TCF3;MUM1;CFD;PCSK4;GPX4	cg02147126;cg14663914;cg10752406;cg15610437;cg16643542
13	114261868	114261986	3.16E-06	3	4.89E-10	1.77E-06	0/3	-12.41064	TFDP1;TFDP1	0;0	intron;nc_intron	CpG: 30	1303 shore	ENSG00000185989;ENSG00000126226;ENSG00000126218;ENSG00000183087;ENSG00000130177;ENSG00000150403	RASA3;PCID2;F10;GAS6;CDC16;TMCO3	cg17707487;cg08183317;cg21598343
8	19540209	19540576	5.08E-06	7	1.79E-09	2.08E-06	0/7	-21.29503	CSGALNACT1;CSGALNACT1;CSGALNACT1	0;0;0	intron+utr5;nc_intron;nc_exon	CpG: 128	-73555	ENSG00000147408;ENSG00000061337	CSGALNACT1;LZTS1	cg20450123;cg14854503;cg18325192;cg14818701;cg15379858;cg11155735;cg11505841
4	6695202	6695698	6.54E-06	8	2.42E-09	2.08E-06	0/8	-23.16604	S100P	0	TSS+utr5+cds	CpG: 72	-15250	ENSG00000163993;ENSG00000072840;ENSG00000173013;ENSG00000173040;ENSG00000170871;ENSG00000072832;ENSG00000178597;ENSG00000184985;ENSG00000251580;ENSG00000186222;ENSG00000132405	S100P;EVC;CCDC96;EVC2;KIAA0232;CRMP1;PSAPL1;SORCS2;ENSG00000251580;BLOC1S4;TBC1D14	cg14323984;cg27027375;cg14900031;cg14140379;cg25083732;cg07210669;cg26233331;cg22266967
5	1320684	1320734	2.54E-06	2	2.68E-10	2.29E-06	0/2	-9.825905	CLPTM1L	0	intron+cds	CpG: 18	-14343	ENSG00000171368;ENSG00000145494;ENSG00000145506;ENSG00000063438;ENSG00000249915;ENSG00000049656;ENSG00000171421	TPPP;NDUFS6;NKD2;AHRR;PDCD6;CLPTM1L;MRPL36	cg08929612;cg26224791
11	128812461	128813470	0.0002309	15	6.02E-09	2.55E-06	0/15	-35.58892	TP53AIP1	0	TSS+intron+exon+utr5	CpG: 77	51228	ENSG00000120471;ENSG00000151702;ENSG00000134909;ENSG00000134954;ENSG00000254703;ENSG00000151715;ENSG00000043039;ENSG00000174370	TP53AIP1;FLI1;ARHGAP32;ETS1;SENCR;TMEM45B;BARX2;C11orf45	cg25022327;cg21033709;cg19889666;cg22837015;cg04817300;cg19275133;cg09847882;cg24908198;cg09682051;cg13962286;cg09615719;cg10116840;cg03996398;cg08432383;cg23811942
13	47125800	47126551	0.0004819	7	4.70E-09	2.67E-06	0/7	-19.8669	LRCH1	-744	intergenic	CpG: 152	-419 shore	ENSG00000136141	LRCH1	cg26075356;cg06765814;cg23869158;cg01205267;cg11342437;cg19038230;cg19833103
6	112375185	112375333	5.13E-06	6	9.71E-10	2.81E-06	0/6	-19.60425	CCN6;CCN6	0;0	TSS+exon+utr5;nc_exon	CpG: 49	-33073	ENSG00000112769;ENSG00000237234;ENSG00000271208;ENSG00000226440;ENSG00000112394;ENSG00000270661;ENSG00000255389;ENSG00000010810;ENSG00000203778	LAMA4;ENSG00000237234;ENSG00000271208;ENSG00000226440;SLC16A10;ENSG00000270661;ENSG00000255389;FYN;FAM229B	cg19804071;cg17694848;cg26528298;cg07709205;cg21773633;cg10525372
1	151810886	151810904	1.64E-06	4	1.30E-10	3.09E-06	4/0	15.457211	C2CD4D-AS1;C2CD4D	0;0	nc_exon;cds	CpG: 122	0 island	ENSG00000159445;ENSG00000163141;ENSG00000143375;ENSG00000163191;ENSG00000143434;ENSG00000143416;ENSG00000159352;ENSG00000197915;ENSG00000234614	THEM4;BNIPL;CGN;S100A11;SEMA6C;SELENBP1;PSMD4;HRNR;ENSG00000234614	cg15015892;cg05021743;cg10781408;cg04296699
6	110736771	110737053	8.45E-07	5	2.25E-09	3.41E-06	0/5	-16.98502	DDO;DDO	0;0	TSS+exon+utr5;nc_exon	CpG: 43	15141	ENSG00000155115;ENSG00000112394;ENSG00000203797;ENSG00000135587	GTF3C6;SLC16A10;DDO;SMPD2	cg02872426;cg06413398;cg00804078;cg07164639;cg14956327
3	5027596	5028143	0.0009699	3	4.83E-09	3.78E-06	0/3	-11.31458	BHLHE40	731	intergenic	CpG: 43	-266 shore			cg01607932;cg14029912;cg18471664
16	1041052	1041333	9.42E-06	6	2.65E-09	4.03E-06	0/6	-19.0142	SOX8	4073	intergenic	CpG: 29	0 island	ENSG00000103202;ENSG00000131634;ENSG00000059145;ENSG00000196557;ENSG00000206053;ENSG00000076344;ENSG00000196674;ENSG00000005513;ENSG00000102854;ENSG00000180185	NME4;TMEM204;UNKL;CACNA1H;HN1L;RGS11;ENSG00000196674;SOX8;MSLN;FAHD1	cg03123979;cg03630386;cg07773186;cg06557580;cg26923862;cg27128311

5	663638	664666	0.004686	7	1.17E-08	4.87E-06	0/7	-19.00593	TPPP	0	exon+utr3	CpG: 95	236	shore	ENSG00000171368;ENSG00000145506;ENSG00000249915;ENSG00000066230;ENSG00000153395;ENSG00000188242;ENSG00000225138;ENSG00000268885;ENSG00000071539;ENSG00000188002;ENSG00000063438;ENSG00000206077;ENSG00000073578	TPPP;NKD2;PDCD6;SLC9A3;LPCAT1;ENSG00000188242;ENSG00000225138;ENSG00000268885;TRIP13;ENSG00000188002;AHRR;ZDHHC11B;SDHA	cg01969115;cg22936884;cg09075149;cg14593418;cg05631486;cg01950495;cg15191887
12	120663811	120663824	1.78E-06	2	1.50E-10	4.93E-06	0/2	-9.973309	PXN;PXN	0;0	intron+utr5;intron	CpG: 17	11868		ENSG00000183273;ENSG00000248008;ENSG00000135127;ENSG00000022840;ENSG00000175970;ENSG00000089159;ENSG00000088986;ENSG00000110917;ENSG00000248636;ENSG00000089041;ENSG00000111786;ENSG00000111775	CCDC60;DYNLL1-AS1;CCDC64;RNF10;UNC119B;PXN;DYNLL1;MLEC;ENSG00000248636;P2RX7;SRSF9;COX6A1	cg01015899;cg11696165
8	9182009	9182401	1.11E-05	3	4.54E-09	4.96E-06	01-Feb	-5.209661	LOC157273	-159	intergenic	CpG: 126	172656		ENSG00000173273;ENSG00000254153;ENSG00000104626;ENSG00000182319;ENSG00000233609	TNKS;ENSG00000254153;ERI1;ENSG00000182319;ENSG00000233609	cg05718771;cg10120652;cg17371580
5	169815770	169816472	0.002731	4	8.44E-09	5.14E-06	0/4	-13.3824	KCNMB1;KCNIP1	0;0	TSS+intron+exon+utr5;intron	CpG: 50	-114593		ENSG00000145936	KCNMB1	cg27044591;cg19502709;cg01495509;cg16317923
5	14406584	14406732	9.09E-06	3	2.00E-09	5.77E-06	0/3	-12.02706	TRIO;TRIO	0;0	intron+cds;nc_intron+nc_exon	CpG: 39	-54398				cg14612133;cg26060817;cg04646987
17	75315080	75317185	1.12E-05	9	3.08E-08	6.25E-06	Feb-14	-35.29633	SEPT9;SEPT9;SEPT9	0;0;0	intron;TSS+intron+utr5+cds;intron+utr5	CpG: 80	36908		ENSG00000070526;ENSG00000070731;ENSG00000078687;ENSG00000167895;ENSG00000141524;ENSG00000129667;ENSG00000234912;ENSG00000204282	ST6GALNAC1;ST6GALNAC2;TNRC6C;TMC8;TMC6;RHBDF2;LINC00338;TNRC6C-AS1	cg03221483;cg07863022;cg09903452;cg04650676;cg03568017;cg07101841;cg02633924;cg25690715;cg25416067;cg16366686;cg04452095;cg03330678;cg15401418;cg20305489;cg18271897;cg15661536
4	3254968	3255174	1.17E-05	4	3.18E-09	6.60E-06	0/4	-14.7068	MSANTD1	0	cds	CpG: 20	0	island	ENSG00000206113;ENSG00000248399;ENSG00000249428;ENSG00000087266;ENSG00000243894;ENSG00000087269;ENSG00000251669;ENSG00000261643	ENSG00000206113;ENSG00000248399;ENSG00000249428;SH3BP2;ENSG00000243894;NOP14;FAM86EP;ENSG00000261643	cg26343761;cg27319971;cg25261181;cg05450563
17	48970356	48971001	0.003778	3	1.04E-08	6.90E-06	0/3	-11.10504	TOB1-AS1	24624	intergenic	CpG: 197	25413		ENSG00000006283;ENSG00000006282;ENSG00000108829;ENSG00000108821;ENSG00000011260;ENSG00000049283;ENSG00000108823;ENSG00000167100;ENSG00000248954;ENSG00000108819	CACNA1G;SPATA20;LRRC59;COL1A1;UTP18;EPN3;SGCA;SAMD14;ENSG00000248954;PPP1R9B	cg00777445;cg19538115;cg01135464
7	151217574	151217961	0.0004477	5	7.27E-09	8.02E-06	0/5	-15.69032	RHEB	-593	intergenic	CpG: 188	0	island	ENSG00000181652;ENSG00000196329;ENSG00000106560;ENSG00000133561;ENSG00000179144;ENSG00000133574;ENSG00000213203	ATG9B;GIMAP5;GIMAP2;GIMAP6;GIMAP7;GIMAP4;GIMAP1	cg22589161;cg03998173;cg21134096;cg24531520;cg06603923
16	48269104	48269424	1.35E-05	3	6.39E-09	8.54E-06	0/3	-11.46802	ABCC11	-16	intergenic	CpG: 52	-8634				cg25274975;cg04388863;cg08404739
20	62562545	62562848	1.43E-05	3	6.93E-09	9.78E-06	0/3	-11.40471	DNAJC5	0	intron+cds	CpG: 28	0	island	ENSG00000267848;ENSG00000125531;ENSG00000197457;ENSG00000125520;ENSG00000203883;ENSG00000196700;ENSG00000196421;ENSG00000130584;ENSG00000026036	ENSG00000267848;C20orf195;STMN3;SLC2A4RG;SOX18;ZNF512B;LINC00176;ZBTB46;RTEL1-TNFRSF6B	cg12713040;cg05116443;cg15457037

3	9233413	9234107	0.001395	3	1.62E-08	1.00E-05	01-Feb	-3.852206	SRGAP3	0	intron	CpG: 46	55224	ENSG00000228723;ENSG00000206567;ENSG00000163704;ENSG00000171135;ENSG00000114026;ENSG00000156990;ENSG00000071282;ENSG00000269982;ENSG00000215160;ENSG00000180914	SRGAP3-AS2;ENSG00000206567;PRRT3;JAGN1;OGG1;RPUSD3;LMCD1;ENSG0000269982;OR7E122P;OXTR	cg13889918;cg04421915;cg04497684
4	15375865	15376215	1.53E-05	9	8.99E-09	1.10E-05	9/0	24.841813	C1QTNF7;LOC101929095;C1QTNF7	0;0;0	intron;nc_intron;TSS+exon+utr5	CpG: 127	-280149	ENSG00000163145;ENSG00000251379;ENSG00000004468;ENSG00000007062;ENSG00000118564;ENSG00000137440;ENSG00000048342	C1QTNF7;ENSG00000251379;CD38;PROM1;FBXL5;FGFBP1;CC2D2A	cg11290265;cg25241662;cg05551114;cg06097727;cg01939704;cg07538039;cg2210979 6;cg01198391;cg18434356
19	39303697	39303993	1.55E-05	3	7.72E-09	1.12E-05	0/3	-11.4697	LGALS4	-112	intergenic	CpG: 35	-18271	ENSG00000090924;ENSG00000269190;ENSG00000196218;ENSG00000006712;ENSG00000167642;ENSG00000189144;ENSG00000167641;ENSG00000187994;ENSG00000205076	PLEKHG2;FBXO17;RYR1;PAF1;SPINT2;ZNF573;PPP1R14A;RINL;LGALS7	cg19419519;cg06394229;cg04420917
6	42927939	42928345	3.89E-06	15	1.15E-08	1.21E-05	0/15	-36.71252	CNPY3-GNMT;CNPY3-GNMT	0;0	nc_intron;intron	CpG: 57	0 island	ENSG00000124587;ENSG00000171453;ENSG00000112624;ENSG00000188112;ENSG00000261068;ENSG00000124496;ENSG00000204052;ENSG00000112667;ENSG00000172426	PEX6;POLR1C;GLTSCR1L;C6orf132;ENSG00000261068;TRERF1;LRRC73;DNPH1;RSPH9	cg04706597;cg24815792;cg21280719;cg10862848;cg25671484;cg16682276;cg23093754;cg24153763;cg27588902;cg09436375;cg17345569;cg07941301;cg04013093;cg11409096;cg23696834
3	46506103	46506554	2.69E-05	10	1.35E-08	1.28E-05	0/10	-26.55903	LTF;LTF	0;0	intron+utr5+cds;intron	CpG: 26	0 island	ENSG00000076201;ENSG00000160801;ENSG00000163818;ENSG00000211456;ENSG00000163823;ENSG00000011376	PTPN23;PTH1R;LZTFL1;SACM1L;CCR1;LARS2	cg04910591;cg16975587;cg25930780;cg15261665;cg17527798;cg12295918;cg03933131;cg27314002;cg26307117;cg00716083
11	2555405	2555576	1.64E-05	3	5.15E-09	1.29E-05	0/3	-11.69567	KCNQ1	0	intron	CpG: 16	0 island	ENSG00000167244;ENSG00000130600;ENSG00000110619;ENSG00000205531	IGF2;H19;CARS;NAP1L4	cg07824422;cg02258534;cg05898618
6	158183852	158184542	0.006931	2	2.60E-08	1.61E-05	0/2	-8.367102	SNX9	-59660	intergenic	CpG: 154	-59059	ENSG00000164674;ENSG00000146425;ENSG00000175048	SYTL3;DYNLT1;ZDHHC14	cg00581764;cg12063847
21	36259066	36259460	2.56E-05	4	1.67E-08	1.82E-05	0/4	-13.40835	RUNX1;RUNX1	0;0	intron+cds;intron+utr5+cds	CpG: 53	0 island			cg02869559;cg12477880;cg00994804;cg06758350
16	69143314	69143815	0.003127	5	2.23E-08	1.90E-05	0/5	-15.16635	HAS3	0	cds	CpG: 33	0 island	ENSG00000103067;ENSG00000103044;ENSG00000141076;ENSG00000039068;ENSG00000062038;ENSG00000072736	ESRP2;HAS3;CIRH1A;CDH1;CDH3;NFATC3	cg01271325;cg17248540;cg04320956;cg02730714;cg02562299
1	230882386	230882603	6.69E-06	3	9.79E-09	1.93E-05	0/3	-11.51338	CAPN9	-526	intergenic	CpG: 58	103793	ENSG00000135773;ENSG00000116906;ENSG00000010072;ENSG00000244137;ENSG00000182118;ENSG00000135775	CAPN9;GNPAT;SPRTN;ENSG00000244137;FAM89A;COG2	cg27412093;cg07918814;cg25344142
11	75898131	75898203	1.18E-05	3	3.28E-09	1.95E-05	3/0	11.798201	WNT11	0	cds	CpG: 22	-7514	ENSG00000149260;ENSG00000149257;ENSG00000137491;ENSG00000062282	CAPN5;SERPINH1;SLCO2B1;DGAT2	cg23373850;cg13091717;cg12471171
1	15256053	15256481	0.001524	5	2.01E-08	2.01E-05	0/5	-15.47187	KAZN;KAZN	0;0	TSS+exon+utr5;intron	CpG: 135	4508	ENSG00000116138;ENSG00000189337;ENSG00000142621;ENSG00000197312;ENSG00000162458;ENSG00000228140;ENSG00000116771;ENSG00000237301	DNAJC16;KAZN;FHAD1;DDI2;FBLIM1;ENSG00000228140;AGMAT;ENSG00000237301	cg00763594;cg23020600;cg19520372;cg19710662;cg13469034
16	2133387	2133801	3.37E-05	3	2.05E-08	2.12E-05	3/0	11.072405	TSC2	0	intron+cds	CpG: 28	-458 shore	ENSG00000131634;ENSG00000205890;ENSG00000198736;ENSG00000005001;ENSG00000162069;ENSG00000206053;ENSG00000196557;ENSG00000238098;ENSG00000131653	TMEM204;ENSG00000205890;CDC64B;HN1L;CACNA1H;ABCA17P;TRAF7	cg08404702;cg03444940;cg07706758

9	136149907	136150032	1.94E-05	3	6.25E-09	2.14E-05	0/3	-11.60336	ABO	0	intron	CpG: 145	0	island	ENSG00000197859;ENSG00000148288;ENSG00000123453;ENSG00000160326;ENSG00000225756;ENSG00000148308;ENSG00000148291;ENSG00000148297;ENSG00000160271;ENSG00000160325;ENSG00000175164	ADAMTSL2;GBGT1;SARDH;SLC2A6;DBH-AS1;GTF3C5;SURF2;MED22;RALGDS;CACFD1;ABO	cg11879188;cg21160290;cg22535403
17	998503	998711	2.90E-05	2	1.08E-08	2.22E-05	0/2	-8.936097	ABR	0	intron	CpG: 122	-13133		ENSG00000167703;ENSG00000187624;ENSG00000179409;ENSG00000197879;ENSG00000272636;ENSG00000108953;ENSG00000177374	SLC43A2;C17orf97;GEMIN4;MYO1C;DOC2B;YWHAE;HIC1	cg20497635;cg02135245
10	81075011	81075492	2.04E-05	7	2.88E-08	2.56E-05	0/7	-19.47433	ZMIZ1	0	exon+utr3	CpG: 60	-31590		ENSG00000133678;ENSG00000122359;ENSG00000165424;ENSG00000108175;ENSG00000133661;ENSG00000108179;ENSG00000230091;ENSG00000151224	TMEM254;ANXA11;ZCCHC24;ZMIZ1;SFTPD;PPIF;TMEM254-AS1;MAT1A	cg10313149;cg15733068;cg24752964;cg19666787;cg03707696;cg13676902;cg26300785
3	42265640	42265749	2.31E-05	3	7.74E-09	3.03E-05	0/3	-11.60288	TRAK1;TRAK1	0;0	nc_exon;exon+utr3	CpG: 33	21269		ENSG00000182606;ENSG00000144649;ENSG00000114853;ENSG00000168038;ENSG00000173811;ENSG00000230970;ENSG00000182983;ENSG00000244607;ENSG00000010282	TRAK1;FAM198A;ZBTB47;ULK4;CCDC13-AS1;HHATL-AS1;ZNF662;CCDC13;HHATL	cg18812386;cg14623735;cg07365452
11	129980477	129980529	1.29E-05	3	3.71E-09	3.05E-05	0/3	-11.76921	APLP2;APLP2	0;0	nc_intron;cds	CpG: 23	-12995		ENSG00000151715;ENSG00000134909;ENSG00000255455;ENSG00000120451;ENSG00000175773;ENSG00000043039	TMEM45B;ARHGAP32;ENSG00000255455;SNX19;ENSG00000175773;BARX2	cg06107796;cg23855986;cg16220743
14	31484467	31484496	9.42E-06	2	2.24E-09	3.29E-05	0/2	-9.317536	STRN3	0	intron	CpG: 113	-10298		ENSG00000151413;ENSG00000129493;ENSG00000092148;ENSG00000257831;ENSG00000092108;ENSG00000100478	NUBPL;HEATR5A;HECTD1;ENSG00000257831;SCFD1;AP4S1	cg08274139;cg10195619
15	74290465	74290733	3.80E-05	3	2.36E-08	3.76E-05	0/3	-11.01371	PML	0	cds	CpG: 31	0	island	ENSG00000140497;ENSG00000178741;ENSG00000129009;ENSG00000178718	SCAMP2;COX5A;ISLR;RPP25	cg15038331;cg01180441;cg18136895
21	43816085	43816355	3.92E-05	3	2.48E-08	3.92E-05	0/3	-11.00689	TMPRSS3;TMPRSS3	0;0	nc_exon;TSS+exon+utr5	CpG: 37	89769		ENSG00000160183;ENSG00000160190;ENSG00000160180;ENSG00000160188;ENSG00000225431;ENSG00000184012;ENSG00000227702;ENSG00000237989;ENSG00000184385	TMPRSS3;SLC37A1;TFF3;RSPH1;ENSG00000225431;TMPRSS2;LINC00111;ENSG00000237989;C21orf128	cg01214847;cg18500968;cg25608949
2	238536838	238536869	1.12E-05	2	2.93E-09	4.04E-05	0/2	-9.239725	LRRFIP1	0	intron	CpG: 123	0	island			cg12914965;cg26569295
11	58389986	58390406	0.0022	4	4.84E-08	4.93E-05	02-Feb	-1.484645	ZFP91-CNTF;CNTF	0;0	nc_intron+nc_exon;TSS+intron+utr5+cds	CpG: 138	42665				cg10672108;cg05921232;cg26411814;cg26229648
5	964195	964654	0.009095	4	5.35E-08	4.98E-05	4/0	12.725654	LOC100506688	22637	intergenic	CpG: 32	5023		ENSG00000171368;ENSG00000145506;ENSG00000249915;ENSG00000153395;ENSG00000071539;ENSG00000206077;ENSG00000063438;ENSG00000188002;ENSG00000188818	TPPP;NKD2;PDCD6;LPCAT1;TRIP13;ZDHHC11B;AHRR;ENSG00000188002;ZDHHC11	cg11697194;cg25578949;cg05017994;cg16005592
6	32014147	32014893	0.0001426	12	8.82E-08	5.05E-05	0/12	-28.17966	TNXB	0	intron+cds	CpG: 22	-31922		ENSG00000244731;ENSG00000227507;ENSG00000213654;ENSG00000204252;ENSG00000237541;ENSG00000204257;ENSG00000206337;ENSG00000204267;ENSG00000242574;ENSG00000168394;ENSG00000204261;ENSG00000204482;ENSG00000204287;ENSG00000234745;ENSG00000240065;ENSG00000204315	C4A;LTB;GPSM3;HLA-DOA;HLA-DQA2;HLA-DMA;HCP5;TAP2;HLA-DMB;TAP1;TAPSAR1;LST1;HLA-DRA;HLA-B;PSMB9;FKBPL	cg06824720;cg16385684;cg04182226;cg22616343;cg13409674;cg14630748;cg0748188 6;cg09115485;cg09423875;cg08972588;cg25375757;cg07441854
1	16346119	16346434	5.82E-05	4	3.77E-08	5.12E-05	0/4	-13.20362	HSPB7	-30	intergenic	CpG: 72	43447		ENSG00000116138;ENSG00000142621;ENSG00000132881;ENSG00000189337;ENSG00000228140;ENSG00000142632;ENSG00000116809;ENSG00000238142	DNAJC16;FHAD1;RSG1;KAZN;ENSG00000228140;ARHGEF19;ZBTB17;ENSG00000238142	cg13048591;cg03260781;cg00261668;cg06521827

22	19279881	19280165	5.19E-05	3	3.60E-08	5.42E-05	0/3	-10.85976	CLTCL1		-639	intergenic	CpG: 88	308	shore	ENSG00000099901;ENSG00000184113;ENSG00000070010;ENSG00000185608	RANBP1;CLDN5;UFD1L;MRPL40	cg14755831;cg25970491;cg07251788
6	27185675	27186199	0.0004852	5	7.02E-08	5.72E-05	0/5	-14.70623	PRSS16		-29280	intergenic	CpG: 83	-32593				cg09817162;cg05180451;cg10279314;cg09395805;cg07555084
10	97200910	97201172	5.66E-05	4	3.59E-08	5.86E-05	0/4	-13.2626	SORBS1;SORBS1	0;0		TSS+exon+utr5;intron+exon+utr5	CpG: 80	-119252		ENSG00000138185;ENSG00000226688;ENSG00000095637;ENSG00000269948;ENSG00000173088;ENSG00000234026;ENSG00000059573;ENSG00000119969;ENSG00000138115	ENTPD1;ENTPD1-AS1;SORBS1;ENSG00000269948;C10orf131;ENSG00000234026;ALDH18A1;HELLS;CYP2C8	cg11028075;cg25097946;cg25421530;cg03190891
19	4323033	4323200	5.41E-05	3	2.47E-08	6.33E-05	0/3	-11.15819	FSD1;FSD1	0;0		intron+cds;cds	CpG: 23	0	island	ENSG00000105289;ENSG00000105426;ENSG00000179855	TJP3;PTPRS;GIPC3	cg00341885;cg24015747;cg24918184
7	5270511	5270984	0.001764	5	7.81E-08	7.06E-05	04-Jan	13.90962	WIPI2		0	utr3+cds	CpG: 30	2401	shore	ENSG00000164916;ENSG00000182095;ENSG00000146555;ENSG00000230733	FOXK1;TNRC18;SDK1;ENSG00000230733	cg21585409;cg21764632;cg02667577;cg04153882;cg02665297
8	131439811	131440305	0.005987	2	8.43E-08	7.29E-05	2/0	8.1236127	ASAP1		0	intron+utr5	CpG: 126	-14943				cg06821010;cg11737318
2	236443438	236444021	0.001366	6	1.01E-07	7.43E-05	0/6	-16.50096	AGAP1		0	intron	CpG: 17	0	island	ENSG00000132321	IQCA1	cg26182780;cg06430772;cg01080600;cg00059854;cg25161429;cg06715167
16	8806358	8807043	0.004122	13	1.20E-07	7.47E-05	13/0	29.645336	ABAT;ABAT	0;0		TSS+exon+utr5;intron+utr5	CpG: 45	37739		ENSG00000183044	ABAT	cg07336964;cg01881182;cg16586594;cg26778345;cg08241330;cg08834902;cg00231389;cg00220102;cg04332619;cg01221157;cg10292855;cg05372963;cg26915924
5	160334	160518	7.17E-05	2	3.54E-08	8.22E-05	0/2	-8.564837	PLEKHG4B		0	intron	CpG: 133	-4192		ENSG00000071539;ENSG00000145506;ENSG00000221990;ENSG00000063438;ENSG00000225138;ENSG00000153404;ENSG00000171368	TRIP13;NKD2;C5orf55;AHRR;ENSG00000225138;PLEKHG4B;TPPP	cg26612409;cg09444426
6	16239573	16239799	8.38E-05	2	4.39E-08	8.31E-05	0/2	-8.603061	GMPR		0	intron	CpG: 55	342	shore	ENSG00000137198;ENSG00000230873	GMPR;STMND1	cg10768391;cg20001791
6	31544693	31545473	0.007629	8	1.57E-07	8.60E-05	9/0	21.709886	TNF		0	intron+utr3+cds	CpG: 75	-2963	shore	ENSG00000206337;ENSG00000234745;ENSG00000204569;ENSG00000146112;ENSG00000204287;ENSG00000204525;ENSG00000204516;ENSG00000204389;ENSG00000227507;ENSG00000204536;ENSG00000137411;ENSG00000166278;ENSG00000204580;ENSG00000204385;ENSG00000204438	HCP5;HLA-B;PPP1R10;PPP1R18;HLA-DRA;HLA-C;MICB;HSPA1A;LTB;CCHCR1;VARS2;C2;DDR1;SLC44A4;GPANK1	cg17741993;cg01360627;cg23384708;cg20477259;cg09637172;cg05952498;cg15989608;cg26736341;cg04472685
1	230457630	230457979	0.002775	4	7.91E-08	9.68E-05	0/4	-12.67328	PGBD5		0	exon+utr3	CpG: 25	-10525				cg09938881;cg04095826;cg05266497;cg03347632
8	145726033	145726688	0.008203	3	1.52E-07	9.89E-05	0/3	-10.127	PPP1R16A		0	intron+cds	CpG: 113	0	island	ENSG00000203499;ENSG00000147799	FAM83H-AS1;ARHGAP39	cg13257436;cg00533182;cg17574911
3	3843810	3843887	4.39E-05	2	1.83E-08	0.0001014	0/2	-8.724946	LRRN1		0	intron+utr5	CpG: 188	1038	shore	ENSG00000091181;ENSG00000175928	IL5RA;LRRN1	cg23479065;cg09623845
17	78873698	78873754	3.84E-05	2	1.53E-08	0.0001166	0/2	-8.786128	RPTOR		0	intron	CpG: 40	3255		ENSG00000141519;ENSG00000185813;ENSG00000226137;ENSG00000263069;ENSG00000141577;ENSG00000185168;ENSG00000175866;ENSG00000183048	CCDC40;PCYT2;BAIAP2-AS1;ENSG00000263069;AZI1;LINC00482;BAIAP2;SLC25A10	cg16780847;cg10880603
19	16178194	16179321	0.002761	7	3.09E-07	0.0001172	0/7	-17.72987	TPM4		0	TSS+intron+utr5+cds	CpG: 18	0	island	ENSG00000105122;ENSG00000196684;ENSG00000188039;ENSG00000105137;ENSG00000267275;ENSG00000072958	RASAL3;HSH2D;NWD1;SYDE1;ENSG00000267275;AP1M1	cg22041417;cg27174787;cg22546122;cg22270364;cg09926488;cg21658153;cg24870662

6	31938526	31939224	2.54E-06	18	1.97E-07	0.0001205	Feb-16	-38.23811	DXO;STK19	0;0	intron+cds;nc_intron+nc_exon	CpG: 74	-506	shore	ENSG00000168477;ENSG00000204385;ENSG00000204301;ENSG00000213722;ENSG00000227939	TNXB;SLC44A4;NOTCH4;DDAH2;RPL3P2	cg10201402;cg23514417;cg12456973;cg15063771;cg19864808;cg15965006;cg05626376;cg26837372;cg01883966;cg24870273;cg23945481;cg17339327;cg12776033;cg26029547;cg16190718;cg23906067;cg04142955;cg10914467
19	5913853	5914158	0.000123	5	8.69E-08	0.0001218	0/5	-15.03792	CAPS	-106	intergenic	CpG: 26	-849	shore	ENSG00000087903;ENSG00000105426;ENSG00000105519;ENSG00000174898;ENSG00000167733;ENSG00000125733;ENSG00000130382;ENSG00000267262;ENSG00000267589;ENSG00000266983;ENSG00000267427;ENSG00000031823;ENSG00000174886;ENSG00000267299;ENSG00000130545;ENSG00000125735	RFX2;PTPRS;CAPS;CATSPERD;HSD11B1L;TRIP10;MLLT1;ENSG00000267262;ENSG00000267589;ENSG00000266983;ENSG00000267427;RANBP3;NDUFA11;ENSG00000267299;CRB3;TNFSF14	cg17800124;cg19211619;cg13573245;cg03908904;cg06713671
6	30460243	30460798	0.0001573	7	1.65E-07	0.0001273	7/0	18.446031	HLA-E	0	intron+utr3+cds	CpG: 76	2068	shore	ENSG00000204642;ENSG00000206337;ENSG00000204592;ENSG00000146112;ENSG00000234745;ENSG00000237988;ENSG00000206503;ENSG00000204569;ENSG00000204525;ENSG00000204528;ENSG00000272221;ENSG00000137337;ENSG00000204619;ENSG00000214922;ENSG00000204681	HLA-F;HCP5;HLA-E;PPP1R18;HLA-B;OR2I1P;HLA-A;PPP1R10;HLA-C;PSORS1C3;ENSG00000272221;MDC1;PPP1R11;HLA-F-AS1;GABBR1	cg20105257;cg02678305;cg19109457;cg09569347;cg13036546;cg16535080;cg11019014
13	113348390	113348722	0.01043	2	1.06E-07	0.0001366	0/2	-8.054719	ATP11A	0	intron	CpG: 69	-1756	shore	ENSG00000153531;ENSG00000126218;ENSG00000126216;ENSG00000150403;ENSG00000068650	ADPRHL1;F10;TUBGCP3;TMCO3;ATP11A	cg09507215;cg15980707
13	113652068	113652296	0.0001299	3	7.48E-08	0.0001401	0/3	-10.78697	MCF2L;MCF2L	0;0	intron+utr5;intron	CpG: 84	2467	shore	ENSG00000150403;ENSG00000153531;ENSG00000183087;ENSG00000184497;ENSG00000126218;ENSG00000126216;ENSG00000150401;ENSG00000139835	TMCO3;ADPRHL1;GAS6;TMEM255B;F10;TUBGCP3;DCUN1D2;GRTP1	cg06072822;cg04795700;cg19658665
7	158045979	158046358	0.0001425	6	1.38E-07	0.0001552	6/0	16.778091	PTPRN2	0	intron	CpG: 24	7931				cg27200869;cg16571642;cg06715136;cg02770061;cg06400119;cg10473311
11	2922634	2922852	0.0001426	7	8.64E-08	0.0001693	01-Jun	-15.58595	SLC22A18AS;SLC22A18	0;0	intron+utr5;intron+utr5	CpG: 47	-449	shore	ENSG00000269821;ENSG00000167244;ENSG00000214026;ENSG00000110619;ENSG00000255367;ENSG00000226416;ENSG00000205531	KCNQ1OT1;IGF2;MRPL23;CARS;ENSG00000255367;MRPL23-AS1;NAP1L4	cg24041239;cg09198782;cg07291601;cg25548316;cg10943932;cg02081198;cg05385260
15	69754608	69754714	8.24E-05	3	4.28E-08	0.0001724	0/3	-10.93388	RPLP1	6064	intergenic	CpG: 66	8862				cg10643916;cg22452230;cg01176433
10	104535791	104536121	0.0001138	9	1.38E-07	0.0001784	0/9	-22.96758	WBP1L;WBP1L	0;0	TSS+exon+utr5;intron	CpG: 94	61080				cg03161190;cg17894755;cg15227982;cg25104397;cg23247968;cg14939082;cg26640901;cg27517345;cg09405083
7	630472	630914	0.0009663	5	1.86E-07	0.0001797	0/5	-14.43488	PRKAR1B	0	intron	CpG: 25	-922	shore			cg03120555;cg04952627;cg10251229;cg00541718;cg04191989
1	170635959	170636363	0.009693	3	1.73E-07	0.0001829	3/0	10.202754	PRRX1	0	intron	CpG: 73	1781	shore	ENSG00000188404	SELL	cg21914290;cg20826576;cg23633856
1	1003125	1003529	0.0001848	3	1.85E-07	0.0001954	0/3	-10.30476	LOC100288175	1292	intergenic	CpG: 213	0	island	ENSG00000169885;ENSG00000217801	CALML6;ENSG00000217801	cg10955566;cg08709360;cg15899727

17	73719692	73720840	0.01365	6	5.42E-07	0.0002018	0/7	-17.20727	ITGB4;ITGB4	0;0	TSS+utr5+cds;intron+utr5+cds	CpG: 91	1845	shore	ENSG00000204323;ENSG00000092929;ENSG00000170190;ENSG00000070731;ENSG00000161513;ENSG00000073350;ENSG00000267128;ENSG00000167862;ENSG00000161542;ENSG00000176170;ENSG00000070526;ENSG00000125445;ENSG00000141569;ENSG00000109062;ENSG00000108479;ENSG00000189159;ENSG00000177303;ENSG00000167863;ENSG00000266714;ENSG00000182534;ENSG00000161544;ENSG00000259120;ENSG00000167861;ENSG00000185262	SMIM5;UNC13D;SLC16A5;ST6GALNAC2;FDXR;LLGL2;RNF157-AS1;ICT1;PRPSAP1;SPHK1;ST6GALNAC1;MRPS7;TRIM65;SLC9A3R1;GALK1;HN1;CASKIN2;ATP5H;MYO15B;MXRA7;CYGB;SMIM6;HID1;UBALD2	cg27346988;cg18326022;cg20667796;cg18709893;cg00196660;cg22504104;cg15700850
20	31870774	31871352	0.004122	6	2.87E-07	0.0002122	0/6	-16.59584	BPIFB1	0	TSS+intron+exon+utr5	CpG: 30	-117792		ENSG00000125999;ENSG00000078898;ENSG00000101350;ENSG00000078699;ENSG00000101400;ENSG00000149600;ENSG00000198183;ENSG00000088305;ENSG00000260257	BPIFB1;BPIFB2;KIF3B;CBFA2T2;SNTA1;COMMD7;BPIFA1;DNMT3B;ENSG00000260257	cg19378216;cg03033543;cg16762308;cg11035100;cg08346127;cg22789545
7	921091	921156	6.64E-05	2	3.25E-08	0.0002133	0/2	-8.573078	GET4	0	intron	CpG: 22	3232		ENSG00000164818;ENSG00000230487;ENSG00000164828;ENSG00000177706;ENSG00000197461;ENSG00000002822;ENSG00000242474;ENSG00000225968;ENSG00000249852;ENSG00000188191;ENSG00000157778	HEATR2;PSMG3-AS1;SUN1;FAM20C;PDGFA;MAD1L1;ENSG00000242474;ELFN1;ENSG00000249852;PRKAR1B;PSMG3	cg23397909;cg20776543
21	43442026	43442254	0.0001791	4	1.19E-07	0.000223	01-Mar	-5.385149	ZNF295-AS1;ZNF295-AS1	0;0	nc_exon;nc_intron	CpG: 249	10537		ENSG00000160188;ENSG00000160183;ENSG00000184385;ENSG00000237232;ENSG00000225431;ENSG00000236384;ENSG00000160190;ENSG00000177398;ENSG00000227702;ENSG00000160179;ENSG00000183844;ENSG00000235772;ENSG00000160180;ENSG00000160191;ENSG00000184012;ENSG00000157617;ENSG00000160193;ENSG00000160185	RSPH1;TMPRSS3;C21orf128;ZNF295-AS1;ENSG00000225431;LINC00479;SLC37A1;UMODL1;LINC00111;ABCG1;FAM3B;ENSG00000235772;TFF3;PDE9A;TMPRSS2;C2CD2;WDR4;UBASH3A	cg23736024;cg02518824;cg23711422;cg10569414
5	148758846	148759090	0.0002169	6	1.49E-07	0.0002602	0/6	-17.62907	IL17B;IL17B	0;0	TSS+exon+utr5;intron+utr5	CpG: 52	21082		ENSG00000249669;ENSG00000269936;ENSG00000208035;ENSG00000253864;ENSG00000155846;ENSG00000183111;ENSG00000169252;ENSG00000113716;ENSG00000183876;ENSG00000173210;ENSG00000113721;ENSG00000070814	MIR143HG;MIR145;MIR143;ENSG00000253864;PPARGC1B;ARHGEF37;ADRB2;HMGXB3;ARSI;ABLIM3;PDGFRB;TCOF1	cg01579636;cg01202296;cg05860978;cg26599373;cg03876697;cg25141490
3	120401057	120401095	5.23E-05	2	2.35E-08	0.0002643	0/2	-8.655488	HGD	0	TSS+exon+utr5	CpG: 49	85567		ENSG00000113924;ENSG00000183833;ENSG00000175697;ENSG00000051341;ENSG00000173230;ENSG00000145087;ENSG00000163833;ENSG00000163430	HGD;MAATS1;GPR156;POLQ;GOLGB1;STXBP5L;FBXO40;FSTL1	cg04546097;cg14527029
6	167709236	167709720	0.009693	2	3.02E-07	0.0002666	01-Jan	0.6832312	UNC93A	0	intron+cds	CpG: 50	-54802		ENSG00000130396;ENSG00000228648;ENSG00000213066	MLLT4;ENSG00000228648;FGFR1OP	cg06757935;cg27203351
1	243651345	243651920	0.0004749	4	3.84E-07	0.0002856	0/4	-11.99016	AKT3;SDCCAG8	0;0	intron+exon+utr3;intron	CpG: 38	0	island			cg20276962;cg04164924;cg02528319;cg22950111
6	169689772	169689939	0.000176	3	1.13E-07	0.0002886	0/3	-10.65119	THBS2	-35563	intergenic	CpG: 42	40725		ENSG00000112562	SMOC2	cg03126567;cg08866665;cg23143090
8	1982914	1983405	0.0003392	4	3.48E-07	0.0003029	01-Mar	-7.971645	MYOM2	-9755	intergenic	CpG: 37	10508		ENSG00000104728;ENSG00000182372;ENSG00000176595	ARHGEF10;CLN8;KBTBD11	cg08597799;cg08008144;cg02612228;cg14257773
17	27507916	27508027	0.0001386	2	8.10E-08	0.0003119	0/2	-8.310075	MYO18A	-509	intergenic	CpG: 74	309	shore	ENSG00000063015;ENSG00000160606;ENSG00000076604	SEZ6;TLCD1;TRAF4	cg20142309;cg17129576

16	27523173	27523214	6.40E-05	2	3.10E-08	0.0003228	0/2	-8.578262	GTF3C1	0	cds	CpG: 59	-37765	ENSG00000047578;ENSG00000169189;ENSG00000155666;ENSG00000077238;ENSG00000077235;ENSG00000198156;ENSG00000245888;ENSG00000188322;ENSG00000261329	KIAA0556;NSMCE1;KDM8;IL4R;GTF3C1;NPIPB6;ENSG00000245888;SBK1;ENSG00000261329	cg02840535;cg26620747
6	31913758	31914305	0.0008615	8	4.21E-07	0.0003287	0/8	-19.52028	CFB	0	intron+utr 5+cds	CpG: 52	-12184	ENSG00000206337;ENSG00000204389;ENSG00000204385;ENSG00000213719;ENSG00000204301;ENSG00000204356;ENSG00000204308;ENSG00000168477;ENSG00000204420;ENSG00000204296;ENSG00000213722;ENSG00000204264;ENSG00000204463;ENSG00000204396;ENSG00000204315;ENSG00000227507;ENSG00000243649;ENSG00000240065;ENSG00000204261;ENSG00000168394;ENSG00000237541;ENSG00000242574;ENSG00000204287;ENSG00000232629;ENSG00000204390	HCP5;HSPA1A;SLC44A4;CLIC1;NOTCH4;NELFE;RNF5;TNXB;C6orf25;C6orf10;DDAH2;PSMB8;BAG6;VWA7;FKBPL;LTB;CFB;PSMB9;TAPSAR1;TAP1;HLA-DQA2;HLA-DMB;HLA-DRA;HLA-DQB2;HSPA1L	cg22670819;cg07421596;cg06060835;cg08956226;cg04945153;cg21092021;cg17335741;cg17741572
17	46114236	46114811	0.005169	6	4.50E-07	0.0003342	0/6	-16.34538	COPZ2;MIR152	0;0	intron+cds ;nc_gene	CpG: 44	0 island	ENSG00000120094;ENSG00000263142;ENSG00000159199;ENSG00000159111	HOXB1;LRRC37A17P;AT P5G1;MRPL10	cg03569507;cg21384971;cg24389730;cg10382221;cg05096161;cg06598332
17	42146186	42146261	0.0001065	2	5.88E-08	0.0003351	0/2	-8.401502	LSM12	-1199	intergenic	CpG: 50	-1664 shore	ENSG00000182963;ENSG00000005102;ENSG00000267002;ENSG00000161647;ENSG00000131095;ENSG00000186566;ENSG00000012048;ENSG00000108852;ENSG00000180340;ENSG00000136448;ENSG00000161653;ENSG00000175832;ENSG00000267505;ENSG00000267595;ENSG00000108312;ENSG00000108828	GJC1;MEOX1;ENSG0000267002;MPP3;GFAP;GPATCH8;BRCA1;MPP2;FZD2;NMT1;NAGS;ETV4;ENSG00000267505;ENSG00000267595;UBTF;VAT1	cg14883190;cg12240637
4	1294782	1295078	0.0002111	4	2.48E-07	0.0003586	0/4	-12.33541	MAEA;MAEA	0;0	nc_intron;intron	CpG: 26	-8412	ENSG00000013810;ENSG00000131127;ENSG00000214367;ENSG00000168924;ENSG00000249784;ENSG00000109685;ENSG00000196810;ENSG00000163950;ENSG00000272588;ENSG00000159733	TACC3;ZNF141;HAUS3;LETM1;SCARNA22;WHSC1;CTBP1-AS2;SLBP;ENSG0000027 2588;ZFYVE28	cg21326139;cg24597363;cg23447233;cg21167046
1	110306506	110306642	0.0001791	3	1.19E-07	0.000374	0/3	-10.67505	EPS8L3	0	exon+utr5	CpG: 93	23200	ENSG00000179902;ENSG00000134202;ENSG00000134201;ENSG00000224699;ENSG00000143093;ENSG00000184371;ENSG00000116396;ENSG00000143126;ENSG00000162650;ENSG00000085433;ENSG00000168765;ENSG00000121957;ENSG00000134243;ENSG00000258634;ENSG00000121940;ENSG00000143106;ENSG00000143028;ENSG00000031698;ENSG00000270066;ENSG00000177301;ENSG00000134248;ENSG00000134222;ENSG00000181754	C1orf194;GSTM3;GSTM5;LAMTOR5-AS1;STRIP1;CSF1;KCNC4;CELSR2;ATXN7L2;WDR47;GSTM4;GPSM2;SORT1;ENSG00000258634;CLCC1;PSMA5;SYPL2;SARS;SCARNA2;KCNA2;LAMTOR5;PSRC1;AMIGO1	cg00515905;cg00491404;cg03956353
11	67141421	67142030	0.0005884	9	5.72E-07	0.0004015	0/9	-21.41855	LOC100130987;CLCF1	0;0	nc_intron; TSS+intron +exon+utr 5	CpG: 105	275 shore	ENSG00000167799;ENSG00000254986;ENSG00000132746;ENSG00000175463;ENSG00000172508;ENSG00000084207	NUDT8;DPP3;ALDH3B2;TBC1D10C;CARNS1;GSTP1	cg16225405;cg14096180;cg05357039;cg12472597;cg18476530;cg16788099;cg13037245;cg18101140;cg11169848
22	38714165	38714466	0.0003094	8	2.92E-07	0.0004149	0/8	-20.53398	TPTEP2-CSNK1E	0	intron+utr 5	CpG: 57	832 shore	ENSG00000100060;ENSG00000128346;ENSG00000100311;ENSG00000100097;ENSG00000239713	MFNG;C22orf23;PDGFB;LGALS1;APOBEC3G	cg14995562;cg26449680;cg19781870;cg06748147;cg10142237;cg01441777;cg07313319;cg06991495

17	79816503	79816559	0.0001024	2	5.56E-08	0.0004242	0/2	-8.413874	P4HB	0	intron	CpG: 113	-1671	shore	ENSG00000185269;ENSG00000185332;ENSG00000185168;ENSG00000183010;ENSG00000141580;ENSG00000185624;ENSG00000182446;ENSG00000185813;ENSG00000169683	NOTUM;TMEM105;LINC00482;PYCR1;WDR45B;P4HB;NPLOC4;PCYT2;LRRC45	cg19420720;cg11969813
1	153413640	153413940	5.66E-05	4	3.06E-07	0.0004362	0/4	-12.42126	S100A7	16279	intergenic	CpG: 40	-94484		ENSG00000143515;ENSG00000169418;ENSG00000143614;ENSG00000143543;ENSG00000197956;ENSG00000143621;ENSG00000143578;ENSG00000198837;ENSG00000143624;ENSG00000143554;ENSG00000143612;ENSG00000160741;ENSG00000143553;ENSG00000188015;ENSG00000143575;ENSG00000223599	ATP8B2;NPR1;GATAD2B;JTB;S100A6;ILF2;CREB3L4;DENND4B;INTS3;SLC27A3;C1orf43;CRTC2;SNAPIN;S100A3;HAX1;ENSG00000223599	cg13356175;cg27441409;cg05400869;cg03261155
14	51296585	51296728	0.0002281	3	1.61E-07	0.0004812	0/3	-10.54417	NIN	0	intergenic intron+utr 5	CpG: 184	0	island			cg11087049;cg10169539;cg12812165
14	91818496	91818668	0.0002658	3	1.97E-07	0.0004897	0/3	-10.52711	CCDC88C	0	intron	CpG: 28	48077		ENSG00000198668;ENSG00000100784;ENSG00000015133;ENSG00000119714;ENSG00000165929;ENSG00000260711;ENSG00000183648	CALM1;RPS6KA5;CCDC88C;GPR68;TC2N;ENSG00000260711;NDUFB1	cg22971029;cg10946510;cg01055824
3	48677327	48677773	0.0003801	4	5.32E-07	0.0005094	4/0	11.990838	CELSR3	0	cds	CpG: 27	0	island	ENSG00000185909;ENSG00000172037;ENSG00000164061;ENSG00000047849;ENSG00000114316;ENSG00000145040;ENSG00000225697;ENSG00000114270;ENSG00000114302	KLHDC8B;LAMB2;BSN;MAP4;USP4;UCN2;SLC26A6;COL7A1;PRKAR2A	cg05876340;cg19830849;cg08063452;cg15320272
19	13054426	13054718	0.0002281	4	3.51E-07	0.0005143	01-Mar	-8.744435	CALR	0	intron+cds	CpG: 73	-1740	shore	ENSG00000008441;ENSG00000132000;ENSG00000267610;ENSG00000160877;ENSG00000196646;ENSG00000104915;ENSG00000104903	NFIX;PODNL1;ENSG00000267610;NACC1;ZNF136;STX10;LYL1	cg04334723;cg25605731;cg13466180;cg22625098
19	14552012	14552350	3.30E-05	5	4.13E-07	0.0005223	5/0	14.533009	PKN1	0	intron+cds	CpG: 23	0	island	ENSG00000132000;ENSG00000105137;ENSG00000123146;ENSG00000141854;ENSG00000074181;ENSG00000131355;ENSG00000132016	PODNL1;SYDE1;CD97;ENSG00000141854;NOTCH3;EMR3;C19orf57	cg00159799;cg25590335;cg08514957;cg06564132;cg13964781
19	41782098	41782183	0.0001668	3	1.05E-07	0.0005278	0/3	-10.71914	HNRNPUL1	0	cds	CpG: 108	10985		ENSG00000123815;ENSG00000170956;ENSG00000167601;ENSG00000160570;ENSG00000090006;ENSG00000105223;ENSG00000105227;ENSG00000105737;ENSG00000086548	ADCK4;CEACAM3;AXL;DEDD2;LTBP4;PLD3;PRX;GRIK5;CEACAM6	cg01338474;cg22840076;cg11313468
22	24199007	24199125	0.0002309	3	1.65E-07	0.0005968	0/3	-10.50444	SLC2A11;SLC2A11	0;0	exon+utr5;nc_exon	CpG: 98	0	island	ENSG00000099998;ENSG00000178026;ENSG00000187792	GGT5;FAM211B;ZNF70	cg26133068;cg13824156;cg21495622
7	1606265	1606526	0.01961	2	3.73E-07	0.0006103	0/2	-7.697984	PSMG3	443	intergenic	CpG: 60	-3042		ENSG00000106012;ENSG00000164828;ENSG00000164818;ENSG00000002822;ENSG00000230487;ENSG00000157778;ENSG00000225968;ENSG00000188191;ENSG00000073067;ENSG00000164849;ENSG00000136213	IQCE;SUN1;HEATR2;MAD1L1;PSMG3-AS1;PSMG3;ELFN1;PRKAR1B;CYP2W1;GPR146;CHST12	cg01547654;cg14228177
22	47081633	47081903	0.0003364	3	3.87E-07	0.0006131	0/3	-10.05588	CERK	0	exon+utr3	CpG: 24	0	island			cg05602642;cg24157349;cg18614510
1	153362926	153363489	0.001465	4	8.56E-07	0.0006498	0/4	-11.68109	S100A8;S100A8;S100A8	0;0;0	intron+cds;intron+utr5+cds;TSS+intron+utr5+cds	CpG: 40	-144935		ENSG00000169418;ENSG00000163263;ENSG00000143543;ENSG00000143578;ENSG00000143515;ENSG00000189171;ENSG00000197956;ENSG00000143612;ENSG00000143614;ENSG00000143621;ENSG00000163220;ENSG00000143546	NPR1;C1orf189;JTB;CREB3L4;ATP8B2;S100A13;S100A6;C1orf43;GATAD2B;ILF2;S100A9;S100A8	cg01431057;cg20256009;cg20335425;cg20070090

17	32690254	32690412	0.0009036	3	2.45E-07	0.0006635	0/3	-10.35584	CCL1		-2	intergenic	CpG: 29	205974		ENSG00000108691;ENSG00000005156;ENSG00000166750;ENSG00000092871;ENSG00000141161	CCL2;LIG3;SLFN5;RFFL;UNC45B	cg01387036;cg22186223;cg26101277
15	58723656	58724041	0.0004839	4	6.04E-07	0.0006708	03-Jan	4.5400303	LIPC		-148	intergenic	CpG: 114	-317040		ENSG00000157470;ENSG00000157483;ENSG00000128849;ENSG00000103569;ENSG00000157456;ENSG00000259732	FAM81A;MYO1E;CGNL1;AQP9;CCNB2;ENSG00000259732	cg16391792;cg01733599;cg08441822;cg02952984
22	45072454	45072724	0.0004001	4	4.47E-07	0.0007078	0/4	-12.24624	PRR5;PRR5	0;0		intron+utr5;TSS+exon+utr5	CpG: 71	7362		ENSG00000230922;ENSG00000093000;ENSG00000226328;ENSG00000077942;ENSG00000238120;ENSG00000128408;ENSG00000188677	ENSG00000230922;NUP50;ENSG00000226328;FBLN1;ENSG00000238120;RIBC2;PARVB	cg24019054;cg20339720;cg16166559;cg06849477
10	43866965	43867155	0.0003801	7	3.20E-07	0.00072	0/7	-18.72609	FXYD4		0	TSS+intron+exon+utr 5	CpG: 57	8760		ENSG00000198915;ENSG00000107562;ENSG00000196793;ENSG00000234420;ENSG00000169813;ENSG00000196693;ENSG00000243660;ENSG00000169826;ENSG00000236114	RASGEF1A;CXCL12;ZNF239;ZNF37BP;HNRNPF;ZNF33B;ZNF487;CSGALNACT2;ENSG00000236114	cg24294544;cg22992966;cg03687765;cg00827318;cg25081201;cg06162324;cg12619162
8	143780433	143780576	0.000313	2	2.45E-07	0.000731	2/0	7.9910835	LY6K		-952	intergenic	CpG: 92	-1005	shore			cg00499248;cg10100256
17	17465161	17465476	0.0002494	5	5.48E-07	0.0007432	0/5	-14.2318	PEMT		0	intron	CpG: 19	0	island	ENSG00000171962;ENSG00000232344;ENSG00000171953	LRRC48;ENSG00000232344;ATPAF2	cg11556559;cg05694563;cg18173263;cg02625024;cg22542139
3	11058835	11059050	0.0004261	6	3.82E-07	0.0007587	6/0	16.666414	SLC6A1-AS1;SLC6A1;SLC6A1	0;0;0		nc_intron;utr5+cds;intron+exon+utr5	CpG: 19	0	island	ENSG00000254999;ENSG00000240288;ENSG00000144559;ENSG00000197548	BRK1;GHRLOS;TAMM41;ATG7	cg21611775;cg12296552;cg14673267;cg20241270;cg13889508;cg13418710
3	169381938	169382106	0.0003832	3	3.26E-07	0.0008298	3/0	10.284019	MECOM		-375	intergenic	CpG: 144	882	shore			cg10600701;cg21545313;cg20203114
7	1601984	1602273	0.0004819	4	5.94E-07	0.0008775	4/0	12.070763	PSMG3		4696	intergenic	CpG: 60	-7295		ENSG00000157778;ENSG00000164849;ENSG00000225968;ENSG00000122687;ENSG00000136213;ENSG00000188191;ENSG00000164850	PSMG3;GPR146;ELFN1;FTSJ2;CHST12;PRKAR1B;GPER1	cg03103944;cg07708686;cg15258156;cg21593345
11	67777617	67777952	0.0005564	8	7.55E-07	0.0009625	0/8	-20.08357	ALDH3B1;ALDH3B1	0;0		TSS+intron+exon+utr 5;intron+utr5	CpG: 119	5988		ENSG00000172935;ENSG00000172508;ENSG00000254856;ENSG00000006534;ENSG00000175463;ENSG00000110697;ENSG00000110057;ENSG00000255306;ENSG00000084207	MRGPRF;CARNS1;NDUFA3P2;ALDH3B1;TBC1D10C;PITPNM1;UNC93B1;ENSG00000255306;GSTP1	cg05620821;cg00414166;cg15322932;cg26833538;cg24390938;cg14871333;cg02331303;cg07730301
1	25291904	25292274	0.0005537	10	8.39E-07	0.0009686	10/0	23.515001	RUNX3		-403	intergenic	CpG: 311	32899		ENSG00000020633;ENSG00000182749;ENSG00000142677	RUNX3;PAQR7;IL22RA1	cg09993145;cg07801894;cg14425908;cg12459932;cg23916689;cg11585280;cg06037693;cg16529592;cg19774846;cg13898430
16	4845284	4845708	0.01817	3	9.66E-07	0.000973	0/3	-9.621666	SMIM22;SMIM22	0;0		TSS+intron+exon+utr 5;intron+utr5	CpG: 97	-6409		ENSG00000166246;ENSG00000089486;ENSG00000140632;ENSG00000267795;ENSG00000153446;ENSG00000126603;ENSG00000185739;ENSG00000262246;ENSG00000103184;ENSG00000005339;ENSG00000168101;ENSG00000090447;ENSG00000266994;ENSG00000067836	C16orf71;CDIP1;GLYR1;SMIM22;C16orf89;GLIS2;SRL;CORO7;SEC14L5;CREBBP;NUDT16L1;TFAP4;ENSG00000266994;ROGDI	cg07773582;cg08271443;cg01861131
1	36563429	36563557	0.0003692	2	3.01E-07	0.001003	0/2	-7.930324	COL8A2		0	cds	CpG: 78	8474		ENSG00000092850;ENSG00000116885;ENSG00000116863;ENSG00000232862;ENSG00000142686;ENSG00000163873;ENSG00000116871;ENSG00000201448;ENSG00000142687;ENSG00000054118;ENSG00000196182;ENSG00000171812;ENSG00000126070;ENSG00000116898	TEKT2;OSCP1;ADPRHL2;ENSG00000232862;C1orf216;GRIK3;MAP7D1;ENSG00000201448;KIAA0319L;THRAP3;STK40;COL8A2;AGO3;MRPS15	cg08264297;cg17428913

3	58652345	58653196	0.01178	3	2.11E-06	0.001058	0/4	-11.19377	FAM3D	0	TSS+exon+utr5	CpG: 48	79442	ENSG00000163684;ENSG00000163689;ENSG00000242428;ENSG00000174839;ENSG00000163686;ENSG00000136068;ENSG00000198643	RPP14;C3orf67;ENSG00000242428;DENND6A;ABHD6;FLNB;FAM3D	cg02194211;cg24121168;cg21770617;cg26334888
4	77507245	77507651	0.0004023	5	1.01E-06	0.001066	0/5	-13.90763	SHROOM3	0	intron	CpG: 23	0 island	ENSG00000186212;ENSG00000138771;ENSG00000138744;ENSG00000189157	SOWAHB;SHROOM3;NAAA;FAM47E	cg24201034;cg22050253;cg04127765;cg18628449;cg17484699
10	71087833	71088038	0.0005351	4	5.35E-07	0.001114	0/4	-12.17957	HK1;HK1	0;0	intron+utr5;intron	CpG: 155	8456	ENSG00000138336;ENSG00000197467;ENSG00000099282;ENSG00000260400	TET1;COL13A1;TSPAN15;ENSG00000260400	cg06834661;cg08567142;cg13763181;cg19170991
17	7287270	7287740	0.0005621	4	1.23E-06	0.001117	4/0	11.59496	TNK1	0	intron+cds	CpG: 69	0 island	ENSG00000181885;ENSG00000262943;ENSG00000072818;ENSG00000161940;ENSG00000132514;ENSG00000178971;ENSG00000129195;ENSG00000004975;ENSG00000252835;ENSG00000072778	CLDN7;ALOX12P2;ACAP1;BCL6B;CLEC10A;CTC1;FAM64A;DVL2;SCARNA21;ACADVL	cg15610667;cg23878564;cg25827022;cg11838224
17	14213224	14213798	0.00173	5	1.64E-06	0.001218	0/5	-13.30707	HS3ST3B1;HS3ST3B1	0;0	nc_intron;intron	CpG: 47	436 shore	ENSG00000109099	PMP22	cg05871254;cg21982941;cg00437360;cg02112229;cg11351809
17	1477842	1478208	0.0006942	3	1.10E-06	0.001281	0/3	-9.631929	SLC43A2	0	exon+utr3	CpG: 16	0 island			cg10025200;cg06126721;cg23837623
13	110961403	110961824	0.0008549	4	1.28E-06	0.001293	0/4	-11.74803	COL4A2	0	intron	CpG: 19	260 shore			cg08318510;cg22382805;cg22232704;cg24384882
1	2058416	2059086	0.01185	5	2.03E-06	0.001295	0/5	-13.06971	PRKCZ;PRKCZ;PRKCZ	0;0;0	intron+utr5;intron;nc_intron	CpG: 20	-4696	ENSG00000160075;ENSG00000157933;ENSG00000177133;ENSG00000162576;ENSG00000008130;ENSG00000235098;ENSG00000157916;ENSG00000142611;ENSG00000179403;ENSG00000175756	SSU72;SKI;LINC00982;MXRA8;NADK;ANKRD65;RER1;PRDM16;VWA1;AURKAIP1	cg12718519;cg09261593;cg13480549;cg18188739;cg15481172
11	1891871	1892307	1.08E-05	11	1.35E-06	0.001326	01-Oct	-27.03937	LSP1;LSP1;LSP1;LSP1	0;0;0;0;0	TSS+exon+utr5;TSS+intron+exon+utr5;intron+exon+utr5;intron	CpG: 45	0 island	ENSG00000110665;ENSG00000130592;ENSG00000064201;ENSG00000184682	C11orf21;LSP1;TSPAN32;C11orf89	cg27261733;cg08276062;cg05443390;cg24552015;cg09989681;cg20331155;cg21529477;cg22043296;cg26897904;cg26868156;cg15079934
8	143625596	143625967	0.0007359	3	1.19E-06	0.00137	0/3	-9.60773	ADGRB1	0	utr3+cds	CpG: 54	0 island	ENSG00000181790	BAI1	cg08464177;cg27039312;cg15527230
2	71787500	71787827	0.0007115	5	1.14E-06	0.00149	0/5	-13.73424	DYSF	0	intron	CpG: 33	0 island	ENSG00000124357	NAGK	cg14236413;cg07138437;cg01171786;cg01407254;cg06875255
11	62104019	62104662	0.02145	2	2.28E-06	0.001512	0/2	-7.104074	ASRGL1	-111	intergenic	CpG: 98	-117 shore			cg26280685;cg04728402
17	2907894	2908369	0.001432	5	1.70E-06	0.001531	0/5	-13.32161	RAP1GAP2	0	intron	CpG: 35	-43608	ENSG00000083457;ENSG00000083454;ENSG00000108381;ENSG00000177602;ENSG00000167723;ENSG00000177374;ENSG00000108405;ENSG00000074356	ITGAE;P2RX5;ASPA;GSG2;TRPV3;HIC1;P2RX1;C17orf85	cg09915396;cg00739778;cg15030415;cg01076459;cg14999189
8	8749073	8749494	0.0008615	4	1.65E-06	0.001672	0/4	-11.49956	MFHAS1	0	cds	CpG: 197	0 island			cg01022370;cg01784220;cg00372375;cg08961196
1	50886781	50886969	0.0006672	4	7.42E-07	0.001685	4/0	12.040779	DMRTA2	0	cds	CpG: 480	0 island	ENSG00000142700;ENSG00000085831;ENSG00000123080	DMRTA2;TTC39A;CDKN2C	cg16732616;cg04455430;cg25191628;cg12756396
20	61583829	61584159	0.0009131	8	1.33E-06	0.001718	0/8	-19.52227	SLC17A9	0	TSS+exon+utr5	CpG: 29	0 island	ENSG00000197457	STMN3	cg05534403;cg00199007;cg16552454;cg07173972;cg26329715;cg04478428;cg01817521;cg14686919

17	37894164	37894636	0.001128	6	1.93E-06	0.001744	0/6	-15.42045	GRB7;GRB7;GRB7	0;0;0	TSS+exon+utr5;TSS+intron+exon+utr5;intron+exon+utr5	CpG: 59	7154	ENSG00000161381;ENSG00000141736;ENSG00000264198;ENSG00000263818;ENSG00000161405;ENSG00000126368	PLXDC1;ERBB2;ENSG00000264198;ENSG00000263818;IKZF3;NR1D1	cg24967701;cg23836594;cg11183072;cg13761998;cg17740645;cg08500763
6	30038790	30039403	0.0001729	27	2.58E-06	0.0018	26-Jan	53.328771	RNF39;RNF39	0;0	utr3+cds;intron+utr3+cds	CpG: 64	0 island	ENSG00000137404;ENSG00000146112;ENSG00000204569;ENSG00000206503;ENSG00000137337;ENSG00000204681;ENSG00000066379;ENSG00000204576;ENSG00000204619;ENSG00000204580;ENSG00000204590;ENSG00000204616;ENSG00000234127;ENSG00000204560;ENSG00000214922;ENSG00000137411;ENSG00000273340;ENSG00000204568;ENSG00000176998	NRM;PPP1R18;PPP1R10;HLA-A;MDC1;GABBR1;ZNRD1;PRR3;PPP1R11;DDR1;GNL1;TRIM31;TRIM26;DHX16;HLA-F-AS1;VARS2;MICE;MRPS18B;HCG4	cg17322683;cg17968668;cg09093485;cg09533428;cg21175940;cg05827186;cg19046933;cg27363141;cg24330456;cg03293507;cg16582419;cg23793213;cg12736877;cg24637044;cg01286685;cg05563515;cg08491487;cg23712018;cg00947782;cg18930910;cg03343571;cg13185413;cg06249604;cg20249327;cg15877520;cg13918754;cg09279736
11	64310370	64310508	0.0005808	2	6.05E-07	0.001871	0/2	-7.723356	SLC22A11	-12564	intergenic	CpG: 23	-19012	ENSG00000110076;ENSG00000173511;ENSG00000168056;ENSG00000068976;ENSG00000188070;ENSG00000168439;ENSG00000133321;ENSG00000167770;ENSG00000133328;ENSG00000168067;ENSG00000168060;ENSG00000068831	NRXN2;VEGFB;LTBP3;PYGM;C11orf95;STIP1;RARRES3;OTUB1;HRASLS2;MAP4K2;NAALADL1;RASGRP2	cg22380161;cg01925891
7	834455	834565	0.0005099	2	5.05E-07	0.001959	0/2	-7.809913	DNAAF5	8339	intergenic	CpG: 131	11821	ENSG00000164828;ENSG00000164818;ENSG00000197461;ENSG00000230487;ENSG00000177706;ENSG00000225968;ENSG00000188191;ENSG00000157778;ENSG00000242474;ENSG00000073067;ENSG00000164849;ENSG00000249852	SUN1;HEATR2;PDGFA;PSMG3-AS1;FAM20C;ELFN1;PRKAR1B;PSMG3;ENSG00000242474;CYP2W1;GPR146;ENSG00000249852	cg09678829;cg20441130
6	1684514	1684567	0.0003145	2	2.48E-07	0.001998	0/2	-7.992046	GMDS	0	intron	CpG: 111	59046	ENSG00000137273;ENSG00000164379;ENSG00000145949;ENSG00000054598	FOXF2;FOXQ1;MYLK4;FOXC1	cg09510246;cg25320587
1	3605885	3606082	0.0008021	4	9.42E-07	0.002042	4/0	11.951356	TP73	0	intron	CpG: 40	-1014 shore	ENSG00000227372;ENSG00000162591	TP73-AS1;MEGF6	cg06202149;cg24356964;cg23052055;cg00589002
13	111522650	111522985	0.0005859	6	1.63E-06	0.002077	0/6	-15.57528	LINC00346	0	nc_exon	CpG: 206	-43501			cg13698168;cg05348852;cg22131172;cg15703035;cg13531120;cg22790835
22	43342937	43343084	0.0006591	2	7.24E-07	0.002104	0/2	-7.670777	PACSIN2;PACSIN2	0;0	TSS+exon+utr5;intron+utr5	CpG: 96	-67337	ENSG00000100266;ENSG00000223843;ENSG00000186976;ENSG00000233157	PACSIN2;EFCAB6-AS1;EFCAB6;ENSG00000233157	cg18869709;cg18919659
1	6659204	6659366	0.0007342	4	8.31E-07	0.002191	0/4	-11.98946	KLHL21	0	cds	CpG: 27	0 island	ENSG00000069812;ENSG00000187017;ENSG00000171735;ENSG00000041988;ENSG00000116254	HES2;ESPN;CAMTA1;THAP3;CHD5	cg09265619;cg00103568;cg21899939;cg14823363
7	100730470	100730578	0.0005564	3	5.68E-07	0.002247	0/3	-10.01209	TRIM56	0	intron+utr5	CpG: 33	-1510 shore	ENSG00000239521;ENSG00000066923;ENSG00000106333;ENSG00000205277;ENSG00000172354;ENSG00000197093;ENSG00000196411;ENSG00000166924;ENSG00000106367	ENSG00000239521;STAG3;PCOLCE;MUC12;GNB2;GAL3ST4;EPHB4;NYAP1;AP1S1	cg08955669;cg00013374;cg14640865
19	1395364	1395646	0.0009497	4	1.49E-06	0.002252	0/4	-11.67709	NDUFS7;NDUFS7	0;0	intron+utr3+cds;exon+utr3	CpG: 37	0 island	ENSG00000099812;ENSG00000115255;ENSG00000116017;ENSG00000172081;ENSG00000180448;ENSG00000167468;ENSG00000129946;ENSG00000070404	MISP;REEP6;ARID3A;MOB3A;HMHA1;GPX4;SHC2;FSTL3	cg26864950;cg21715536;cg20074859;cg25973354

11	45825355	45825579	0.001054	8	1.35E-06	0.002565	0/8	-19.71401	SLC35C1	-43	intergenic	CpG: 119	-36	shore	ENSG00000157570;ENSG00000121653;ENSG00000121671	TSPAN18;MAPK8IP1;CRY2	cg19527995;cg00927035;cg01838971;cg27363529;cg09452027;cg17695841;cg08794544;cg11925488
21	46129246	46129620	0.001197	3	2.25E-06	0.002568	0/3	-9.379653	TSPEAR;TSPEAR	0;0	intron+utr5;intron	CpG: 30	0	island	ENSG00000223768	LINC00205	cg27251694;cg19683410;cg04837104
14	65005950	65006281	0.0002861	9	1.99E-06	0.002572	0/9	-21.49656	LOC102723809	0	nc_intron	CpG: 205	-593	shore	ENSG00000179841;ENSG00000126821;ENSG00000054654;ENSG00000125952	AKAP5;SGPP1;SYNE2;MAX	cg20014063;cg27026695;cg12120359;cg26421140;cg24765602;cg01520924;cg26357885;cg26078793;cg21035222
1	200841804	200842145	0.0008565	5	2.08E-06	0.002609	5/0	13.245302	GPR25	0	TSS+exon	CpG: 124	-51	shore	ENSG00000116852;ENSG00000116833	KIF21B;NR5A2	cg23260502;cg18758335;cg24550456;cg01711322;cg04983977
16	89043526	89043707	0.0009131	3	1.11E-06	0.002625	0/3	-9.747184	CBFA2T3	-22	intergenic	CpG: 20	9233				cg06436854;cg01404893;cg04416981
16	30124802	30125047	0.0006044	4	1.58E-06	0.002754	0/4	-11.79621	GDPD3	0	TSS+exon+utr5	CpG: 32	-9173		ENSG00000196118;ENSG00000013364;ENSG00000099381;ENSG00000156873;ENSG00000103496;ENSG00000229809;ENSG00000149932;ENSG00000149927;ENSG00000151006;ENSG00000179918;ENSG00000180096;ENSG00000149923;ENSG00000102886;ENSG00000103485;ENSG00000150281;ENSG00000196927;ENSG00000156858;ENSG00000102879;ENSG00000005844;ENSG00000197471;ENSG00000102870;ENSG00000260219;ENSG00000174938;ENSG00000261690;ENSG00000185905	C16orf93;MVP;SETD1A;PHKG2;STX4;ZNF688;TMEM219;DOC2A;PRSS53;SEPHS2;SEPT1;PPP4C;GDPD3;QPRT;CTF1;ENSG00000196927;PRR14;CORO1A;ITGAL;SPN;ZNF629;ENSG00000260219;SEZ6L2;ENSG00000261690;C16orf54	cg04833731;cg02335376;cg07824081;cg08047629
12	322513	322888	0.001189	8	2.50E-06	0.002839	0/8	-19.02544	SLC6A12;SLC6A12;SLC6A12	0;0;0	TSS+exon+utr5;intron+utr5;TSS+intron+exon+utr5	CpG: 72	9182		ENSG00000139044;ENSG00000082805	B4GALNT3;ERC1	cg11145776;cg18170229;cg15350661;cg24744557;cg11249486;cg12415569;cg07702819;cg14093792
4	57975792	57976034	0.001201	3	1.64E-06	0.002884	0/3	-9.709556	IGFBP7;IGFBP7-AS1	0;0	intron;nc_exon	CpG: 121	0	island			cg19861288;cg12372106;cg03876618
17	78694591	78694856	0.001054	3	1.87E-06	0.003014	3/0	9.4413085	RPTOR	0	intron	CpG: 30	-5971		ENSG00000175866	BAIAP2	cg26733897;cg16918327;cg25673241
1	846154	846195	0.0003879	2	3.33E-07	0.003466	0/2	-7.903646	LINC02593	6002	intergenic	CpG: 153	271	shore	ENSG00000187634;ENSG00000162576;ENSG00000217801;ENSG00000223764	SAMD11;MXRA8;ENSG0000217801;ENSG00000223764	cg05151709;cg08546707
12	123352599	123352774	0.0011	3	1.43E-06	0.003495	0/3	-9.661686	VPS37B	0	intron	CpG: 25	681	shore	ENSG00000090975;ENSG00000158023;ENSG00000130779;ENSG00000256304;ENSG00000139722	PITPNM2;WDR66;CLIP1;ENSG00000256304;VPS37B	cg13299728;cg19979750;cg15617609
14	94576830	94577218	0.001637	5	3.47E-06	0.00381	0/5	-13.35012	IFI27;IFI27	0;0	TSS+exon+utr5;TSS+intron+exon+utr5	CpG: 72	29165		ENSG00000165949;ENSG00000119698	IFI27;PPP4R4	cg18443806;cg16341979;cg03447547;cg10778971;cg08036899
17	909981	910391	0.001732	3	3.79E-06	0.003946	0/3	-9.178485	ABR	0	intron	CpG: 50	0	island	ENSG00000167703;ENSG00000187624;ENSG00000197879;ENSG00000108953;ENSG00000185561;ENSG00000167693;ENSG00000132376;ENSG00000074660	SLC43A2;C17orf97;MYO1C;YWHAE;TLCD2;NXN;INPP5K;SCARF1	cg10024094;cg06932713;cg10230533
7	12443879	12444115	0.001487	5	2.19E-06	0.003966	0/5	-13.51907	VWDE	-312	intergenic	CpG: 45	174	shore	ENSG00000146530;ENSG00000230333;ENSG00000005108	VWDE;ENSG00000230333;THSD7A	cg06484146;cg20607287;cg10578991;cg03579179;cg19397885
17	1094028	1094299	0.0005523	3	2.55E-06	0.004006	3/0	9.3864332	ABR	0	intron	CpG: 120	10195				cg16441919;cg10718894;cg25334860
16	70688051	70688171	0.0009242	3	1.13E-06	0.004027	0/3	-9.909041	IL34	0	intron	CpG: 67	-9403		ENSG00000157368;ENSG00000157350;ENSG00000140832	IL34;ST3GAL2;MARVELD3	cg00618711;cg06563504;cg02602352

5	1555790	1555887	0.0008021	3	9.40E-07	0.004133	0/3	-9.833292	SDHAP3	16185	intergenic	CpG: 18	2521	shore	ENSG00000071539;ENSG00000145506;ENSG00000171368;ENSG00000145494;ENSG00000153395;ENSG00000171421;ENSG00000188818;ENSG00000113504;ENSG00000185986;ENSG00000188002	TRIP13;NKD2;TPPP;NDUFS6;LPCAT1;MRPL36;ZDHHC11;SLC12A7;SDHAP3;ENSG00000188002ENSG00000229951;FAM	cg23939096;cg13005202;cg23010507
2	29202811	29203230	0.001732	4	4.29E-06	0.004368	0/4	-11.08605	TOGARAM2	-933	intergenic	CpG: 79	84786		ENSG00000229951;ENSG00000189350;ENSG00000226833;ENSG00000115295	179A;ENSG00000226833;CLIP4	cg02182081;cg04026326;cg25553279;cg16944977
16	29830907	29830973	0.0006459	2	6.94E-07	0.004482	0/2	-7.683858	PAGR1	0	cds	CpG: 125	2605	shore	ENSG00000174938;ENSG00000196118;ENSG00000013364;ENSG00000261690;ENSG00000156873;ENSG00000180096;ENSG00000103502;ENSG00000229809;ENSG00000103485	SEZ6L2;C16orf93;MVP;ENSG00000261690;PHKG2;SEPT1;CDIPT;ZNF688;QPRT	cg05164406;cg08168844
8	141588117	141588242	0.0011	3	1.42E-06	0.004856	0/3	-9.654868	AGO2	0	intron	CpG: 20	28749		ENSG00000184489;ENSG00000105339;ENSG00000167632	PTP4A3;DENND3;TRAPPC9	cg05744888;cg23287005;cg05827089
1	2003863	2004163	0.001651	3	3.47E-06	0.004927	3/0	9.2497774	PRKCZ	0	intron	CpG: 36	-1016	shore	ENSG00000237330	RNF223	cg00095688;cg24842354;cg08439149
11	118214761	118215112	0.001637	5	4.10E-06	0.00498	5/0	12.978015	CD3G	0	TSS+exon+utr5	CpG: 22	-15052		ENSG00000110324;ENSG00000160654;ENSG00000172375;ENSG00000110395;ENSG00000167286;ENSG00000198851;ENSG00000177103;ENSG00000076706;ENSG00000248712;ENSG00000118096;ENSG00000160588;ENSG00000160703;ENSG00000160593;ENSG00000118058;ENSG00000188486;ENSG00000256269;ENSG00000019144;ENSG00000137731	IL10RA;CD3G;C2CD2L;CBL;CD3D;CD3E;DSCAML1;MCAM;CCDC153;IFT46;MPZL3;NLRX1;AMICA1;KMT2A;H2AFX;HMBS;PHLDB1;FXYD2	cg05160234;cg03254928;cg13750061;cg07545925;cg15880738
5	177824352	177824403	0.0005778	2	5.99E-07	0.005007	2/0	7.7498032	COL23A1	0	intron	CpG: 191	487	shore	ENSG00000087116;ENSG00000050767;ENSG00000196923;ENSG00000177932;ENSG00000131758;ENSG00000131188;ENSG00000145916	ADAMTS2;COL23A1;PDLIM7;ZNF354C;DBN1;PRR7;RMND5B	cg08354401;cg11770816
7	2518683	2518824	0.001223	3	1.68E-06	0.005076	0/3	-9.640034	GRIFIN	-2666	intergenic	CpG: 17	18556		ENSG00000146535;ENSG00000002822;ENSG00000106012;ENSG00000157778;ENSG00000136213;ENSG00000136295;ENSG00000106003;ENSG00000106009;ENSG00000225968	GNA12;MAD1L1;IQCE;PSMG3;CHST12;TTYH3;LFNG;BRAT1;ELFN1	cg18291703;cg27484582;cg03277898
12	56390797	56391077	0.001544	10	3.34E-06	0.005088	0/10	-22.68585	SUOX	0	TSS+exon+utr5	CpG: 36	-10006		ENSG00000170581	STAT2	cg15460809;cg05368555;cg01105256;cg07060074;cg16853842;cg09689944;cg22580629;cg21625520;cg19627869;cg12084688
2	97136507	97136729	0.001691	3	2.67E-06	0.00512	3/0	9.42182	NEURL3	26650	intergenic	CpG: 59	-29479		ENSG00000196843;ENSG00000144021;ENSG00000114982;ENSG00000273305	ARID5A;CIAO1;KANSL3;ENSG00000273305	cg27553926;cg04706655;cg14984341
17	2898744	2898878	0.001271	3	1.77E-06	0.005616	0/3	-9.596726	RAP1GAP2	0	intron+cds	CpG: 35	-53099		ENSG00000108381;ENSG00000263050;ENSG00000177374;ENSG00000074356;ENSG00000167723;ENSG00000108405;ENSG00000262758;ENSG00000074370	ASPA;ENSG00000263050;HIC1;C17orf85;TRPV3;P2RX1;ENSG00000262758;ATP2A3	cg15070283;cg15965094;cg25028189
2	8723905	8724060	0.001432	3	2.08E-06	0.005723	0/3	-9.525844	LINC01814	0	nc_exon	CpG: 22	0	island	ENSG00000119203;ENSG00000236008	CPSF3;ENSG00000236008	cg00085123;cg09061684;cg18091469
15	49254318	49254494	0.001582	2	2.39E-06	0.005789	0/2	-7.331121	SHC4	0	intron	CpG: 47	-490	shore	ENSG00000185634	SHC4	cg00628178;cg20665205
1	3058821	3059267	0.002234	5	6.18E-06	0.0059	5/0	12.748967	PRDM16	0	intron	CpG: 17	0	island	ENSG00000157933;ENSG00000162591;ENSG00000227372;ENSG00000157916	SKI;MEGF6;TP73-AS1;RER1	cg22510139;cg24968931;cg14516243;cg13388191;cg01047045
7	1607600	1607868	0.001911	4	3.88E-06	0.006163	0/4	-11.22155	PSMG3	0	intron	CpG: 60	-1700	shore	ENSG00000164828;ENSG00000157778;ENSG00000002822;ENSG00000164818;ENSG00000106012	SUN1;PSMG3;MAD1L1;HEATR2;IQCE	cg18958693;cg23903588;cg00375608;cg13042250
2	242606121	242606353	0.002175	3	3.71E-06	0.006817	3/0	9.2939121	ATG4B	0	intron+cds	CpG: 36	0	island	ENSG00000168395;ENSG00000162804	ING5;SNED1	cg18278899;cg15550100;cg25428929

6	166824870	166825084	0.002037	3	3.46E-06	0.006895	3/0	9.3400822	RPS6KA2	0	exon+utr3	CpG: 48	-743	shore				cg01474925;cg07109551;cg08109681
7	73894572	73895278	0.006723	3	1.20E-05	0.00721	0/7	-15.85053	GTF2IRD1	0	intron+utr 5	CpG: 27	0	island	ENSG00000071462;ENSG00000106665;ENSG00000232415;ENSG00000160828;ENSG00000106077;ENSG00000165171;ENSG00000225969;ENSG00000189143;ENSG00000106682;ENSG00000086730;ENSG00000232561	WBSCR22;CLIP2;ENSG00000232415;STAG3L2;ABHD11;WBSCR27;LINC00035;CLDN4;EIF4H;LAT2;GTF2IP1	cg25544461;cg04292993;cg12209693;cg09756225;cg25714115;cg04376123;cg24702341
5	1514510	1514608	0.001271	2	1.76E-06	0.007647	2/0	7.4198254	LPCAT1	0	intron	CpG: 146	-8417		ENSG00000066230	SLC9A3	cg00281273;cg04843690
20	44097319	44097731	0.002668	4	7.43E-06	0.007677	0/4	-10.8286	WFDC2	-661	intergenic	CpG: 94	-549	shore	ENSG00000204070;ENSG00000101448;ENSG00000025772;ENSG00000243543;ENSG00000124116;ENSG00000229900;ENSG00000124145;ENSG00000168734;ENSG00000101443;ENSG00000101457;ENSG00000124155;ENSG00000215452;ENSG00000124107;ENSG00000064205;ENSG00000198026;ENSG00000269549;ENSG00000225849;ENSG00000080189;ENSG00000196839	SYS1;EPPIN;TOMM34;WFDC6;WFDC3;HSPD1P21;SDC4;PKIG;WFDC2;DNTTIP1;PIGT;ZNF663P;SLPI;WISP2;ZNF335;ENSG00000269549;MKRN7P;SLC35C2;ADA	cg20299254;cg00500048;cg00325113;cg26086948
13	112786004	112786133	0.001619	2	2.47E-06	0.008149	0/2	-7.291034	LOC100506016	23337	intergenic	CpG: 23	24891				cg25928208;cg10300728
5	141931206	141931455	0.002662	3	4.90E-06	0.008367	3/0	9.1809787	FGF1	40287	intergenic	CpG: 81	194226		ENSG00000113555;ENSG00000120318;ENSG00000187678;ENSG00000145819;ENSG00000156453;ENSG00000081791	PCDH12;ARAP3;SPRY4;ARHGAP26;PCDH1;KIAA0141	cg19598567;cg07875146;cg20474271
11	70507824	70508329	0.003859	7	9.95E-06	0.00839	7/0	16.04184	SHANK2;SHANK2;SHANK2	0;0;0	TSS+utr5+cds;intron;nc_exon	CpG: 30	0	island	ENSG00000131620;ENSG00000085733;ENSG00000162105;ENSG00000171671;ENSG00000226627	ANO1;CTTN;SHANK2;SHANK2-AS3;SHANK2-AS1	cg10362475;cg21202716;cg03578926;cg19942459;cg14537332;cg04396791;cg03395558
21	38937108	38937316	0.002398	2	4.20E-06	0.008586	0/2	-7.172323	DYRK1A	38449	intergenic	CpG: 64	562	shore	ENSG00000157554	ERG	cg23474190;cg17731209
11	2292360	2293117	0.008011	15	1.53E-05	0.008614	Oct-13	-4.255225	ASCL2	-178	intergenic	CpG: 312	0	island	ENSG00000110619;ENSG00000129757;ENSG00000174672;ENSG00000205531;ENSG00000244242;ENSG00000167244	CARS;CDKN1C;BRSK2;NAP1L4;IFITM10;IGF2	cg02964724;cg27252164;cg20912770;cg05309948;cg19459876;cg15790820;cg06272038;cg10526374;cg11772171;cg13330341;cg06347739;cg14308479;cg07333715;cg01156550;cg21063716;cg03306615;cg19284039;cg26051413;cg13762320;cg11644479;cg24353535;cg05068202;cg20392764
11	45717985	45718464	0.002673	6	9.91E-06	0.008804	6/0	14.366784	MIR7154	-4659	intergenic	CpG: 151	30490				cg14745748;cg04378288;cg13326175;cg05136848;cg23542274;cg26004221
14	105147460	105147781	0.003198	5	7.36E-06	0.009748	0/5	-12.89163	MIR4710	-3374	intergenic	CpG: 25	2957	shore	ENSG00000211893;ENSG00000185567;ENSG00000211892;ENSG00000211890;ENSG00000166428;ENSG00000253755;ENSG00000066735;ENSG00000099814;ENSG00000156411;ENSG00000185347;ENSG00000257556	IGHG2;AHNAK2;IGHG4;IGHA2;PLD4;IGHGP;KIF26A;CEP170B;C14orf2;C14orf80;ENSG00000257556	cg23592421;cg26256521;cg01854676;cg18228531;cg26333564
1	155931628	155931858	0.002831	3	5.33E-06	0.00986	0/3	-9.136879	ARHGEF2	0	intron+cds	CpG: 22	10730		ENSG00000187800;ENSG00000185499;ENSG00000169241;ENSG00000116539;ENSG00000132688;ENSG00000198952;ENSG00000160688;ENSG00000173171;ENSG00000132718;ENSG00000132698;ENSG00000116586;ENSG00000143321;ENSG00000116604;ENSG00000163468	PEAR1;MUC1;SLC50A1;ASH1L;NES;SMG5;FLAD1;MTX1;SYT11;RAB25;LAMTOR2;HDGF;MEF2D;CCT3	cg20847292;cg13921921;cg14204586

17	71824805	71824917	0.001679	2	2.61E-06	0.009924	0/2	-7.302029	LINC00469	-129	intergenic	CpG: 40	-73053		ENSG00000069188;ENSG00000141540;ENSG00000180616;ENSG00000172794;ENSG00000171595;ENSG00000166685;ENSG00000196169;ENSG00000109062;ENSG00000133195	SDK2;TTYH2;SSTR2;RAB37;DNAI2;COG1;KIF19;SLC9A3R1;SLC39A11	cg19786648;cg19159964
12	9360853	9360986	0.001911	3	3.13E-06	0.01001	0/3	-9.388068	PZP	0	intron+utr5+cds	CpG: 18	-31473		ENSG00000150048;ENSG00000126838;ENSG00000175899;ENSG00000226711;ENSG00000197614;ENSG00000171847;ENSG00000110852;ENSG00000260423;ENSG00000256937	CLEC1A;PZP;A2M;FAM66C;MFAP5;FAM90A1;CLEC2B;ENSG00000026042;ENSG00000256937	cg01714932;cg10479063;cg08729600
12	54954336	54954400	0.001156	3	1.55E-06	0.01028	0/3	-9.63159	PDE1B;PDE1B	0;0	intron;intron+utr5	CpG: 53	-27533				cg08816590;cg07681579;cg00660843
16	1730560	1730594	0.0007359	3	8.44E-07	0.01056	0/3	-9.856506	JPT2	0	intron	CpG: 113	1702	shore	ENSG00000162004;ENSG00000187535;ENSG00000206053;ENSG00000007516;ENSG00000063854;ENSG00000103253;ENSG00000140992;ENSG00000261659;ENSG00000103260;ENSG00000103275;ENSG00000205937;ENSG00000198736;ENSG00000005513;ENSG00000162040;ENSG00000127554;ENSG00000059145;ENSG00000127580;ENSG00000260807;ENSG00000127586;ENSG00000131634;ENSG00000196557	CCDC78;IFT140;HN1L;BAIAP3;HAGH;HAGHL;PDPK1;ENSG00000261659;METRN;UBE2I;RNPS1;MSRB1;SOX8;HS3ST6;GFER;UNKL;WDR24;ENSG00000260807;CHTF18;TMEM204;CACNA1H	cg27039467;cg09979311;cg09386771
4	186559937	186560403	0.04365	4	1.22E-05	0.01112	5/0	12.182917	SORBS2;SORBS2	0;0	intron+cds;intron	CpG: 28	0	island	ENSG00000151725;ENSG00000109794;ENSG00000151729;ENSG00000164305;ENSG00000154553;ENSG00000186352;ENSG00000251008	CENPU;FAM149A;SLC25A4;CASP3;PDLIM3;ANKRD37;ORAOV1P1	cg06936803;cg14516100;cg06213327;cg24132991;cg01441113
6	28889875	28890069	0.002769	4	5.16E-06	0.01131	0/4	-11.24337	TRIM27	0	intron	CpG: 119	-882	shore	ENSG00000197279;ENSG00000204681;ENSG00000224157;ENSG00000137338;ENSG00000219891;ENSG00000158691;ENSG00000272009;ENSG00000273340;ENSG00000197062;ENSG00000214922;ENSG00000204713;ENSG00000235109;ENSG00000176998;ENSG00000198315	ZNF165;GABBR1;HCG14;PGBD1;ZSCAN12P1;ZSCAN12;ENSG00000272009;MICE;ENSG00000197062;HLA-F-AS1;TRIM27;ZSCAN31;HCG4;ZKSCAN8	cg22355525;cg25525825;cg19400926;cg12896170
3	5024760	5024963	0.002903	5	5.54E-06	0.01159	0/5	-13.02924	BHLHE40	0	cds	CpG: 18	0	island			cg03598297;cg02220837;cg26344982;cg18768347;cg01864791
11	818751	819128	0.0001386	6	1.03E-05	0.01161	0/6	-15.3852	PNPLA2	0	TSS+intron+exon+utr5	CpG: 131	0	island	ENSG00000214063;ENSG00000161328;ENSG00000177156;ENSG00000142089;ENSG00000117984;ENSG00000177030;ENSG00000250397;ENSG00000251661;ENSG00000099849;ENSG00000182208;ENSG00000215182;ENSG00000182272	TSPAN4;LRRC56;TALDO1;IFITM3;CTSD;DEAF1;ENSG00000250397;ENSG00000251661;RASSF7;MOB2;MUC5AC;B4GALNT4	cg06196145;cg14522803;cg24427660;cg18313182;cg22016649;cg04519421
1	6526128	6526583	0.003575	8	1.25E-05	0.01164	8/0	17.671281	PLEKHG5;TNFRSF25	0;0	exon+utr3;TSS+intron+utr5+cds	CpG: 24	0	island	ENSG00000069812;ENSG00000187017;ENSG00000069424	HES2;ESPN;KCNAB2	cg10059687;cg10539898;cg02064442;cg03893150;cg23114616;cg16681526;cg04500986;cg26056577
11	1506935	1507347	0.001907	6	1.14E-05	0.01177	0/6	-14.26326	MOB2	0	intron	CpG: 17	14180		ENSG00000215182;ENSG00000214063;ENSG00000214026;ENSG00000161328;ENSG00000177030;ENSG00000070047;ENSG00000182208;ENSG00000177156;ENSG00000167244;ENSG00000064201;ENSG00000110665;ENSG00000130592;ENSG00000184682	MUC5AC;TSPAN4;MRPL23;LRRC56;DEAF1;PHRF1;MOB2;TALDO1;IGF2;TSPAN32;C11orf21;LSP1;C11orf89	cg13534999;cg20737909;cg15470102;cg11611244;cg03565674;cg23419447

10	134361888	134362170	0.002662	6	7.90E-06	0.01191	0/6	-14.49026	INPP5A	0	intron	CpG: 17	804	shore	ENSG00000148814;ENSG00000171811;ENSG00000068383;ENSG00000171813;ENSG00000130640;ENSG00000171798;ENSG00000148803;ENSG00000165752;	LRRC27;TTC40;INPP5A;PWWP2B;TUBGCP2;KNDC1;FUOM;STK32C;AD	cg14827481;cg03735043;cg05670885;cg11771383;cg10967866;cg19137806
5	150028552	150028577	0.0006475	2	7.02E-07	0.01192	2/0	7.6769938	SYNPO	0	cds	CpG: 33	-368	shore	ENSG00000151651	AM8	cg03634767;cg15122343
1	11795745	11795985	0.003368	7	6.75E-06	0.01195	0/7	-16.62415	AGTRAP	-156	intergenic	CpG: 27	0	island	ENSG00000130940;ENSG00000177674;ENSG00000028137;ENSG00000171824	CASZ1;AGTRAP;TNFRSF1B;EXOSC10	cg04444949;cg08425760;cg08945450;cg21826784;cg15527643;cg25467652;cg15449870
16	87988630	87988862	0.00336	3	6.72E-06	0.01231	0/3	-9.248501	BANP	0	intron+utr 5	CpG: 22	-2425	shore	ENSG00000103335;ENSG00000141012;ENSG00000140948;ENSG00000129993;ENSG00000224888;ENSG00000260121;ENSG00000182376	PIEZO1;GALNS;ZCCHC14;CBFA2T3;ENSG00000224888;ENSG00000260121;ENSG00000182376	cg02331262;cg01541600;cg06245967
22	41763092	41763512	0.003564	10	1.22E-05	0.01233	0/10	-21.25991	TEF	0	TSS+exon+utr5	CpG: 93	-13918		ENSG00000128285	MCHR1	cg20534570;cg02589672;cg10169194;cg23915792;cg00952322;cg26297819;cg18503793;cg07197642;cg22626522;cg13228442
15	100879198	100879503	0.003091	4	8.92E-06	0.01242	0/4	-10.75255	ADAMTS17	0	intron	CpG: 143	-1454	shore	ENSG00000232386;ENSG00000259363	ENSG00000232386;ENSG00000259363	cg07199183;cg13861126;cg00884844;cg17745628
20	1975275	1975372	0.00178	2	2.89E-06	0.01265	0/2	-7.245221	PDYN-AS1	0	nc_intron	CpG: 28	47157		ENSG00000125775	SDCBP2	cg11320144;cg24377694
20	31595114	31595432	4.59E-05	4	9.79E-06	0.01307	01-Mar	-10.92301	BPIFB2	-77	intergenic	CpG: 64	186990		ENSG00000235217;ENSG00000101412;ENSG00000101350;ENSG00000101331;ENSG00000125999;ENSG00000078699;ENSG00000101400;ENSG00000149600;ENSG00000078898	TSPY26P;E2F1;KIF3B;CCM2L;BPIFB1;CBFA2T2;SNTA1;COMMD7;BPIFB2	cg02191985;cg10968815;cg13696012;cg08918845
7	112120784	112121036	0.002478	5	7.79E-06	0.01312	01-Apr	-10.24713	LSMEM1	0	TSS+exon+utr5	CpG: 108	29372		ENSG00000214194	LINC00998	cg16109415;cg09243037;cg10399210;cg20249277;cg09246302
16	81528944	81528989	0.0011	3	1.43E-06	0.0135	0/3	-9.683911	CMIP;CMIP	0;0	intron;TSS+exon+utr 5	CpG: 99	49594		ENSG00000261609;ENSG00000153815;ENSG00000260682	GAN;CMIP;ENSG00000260682	cg02814118;cg04851702;cg02746658
19	18705945	18706136	0.003161	2	6.21E-06	0.01381	2/0	7.0764826	CRLF1	0	intron	CpG: 16	0	island	ENSG00000130520;ENSG00000179913;ENSG00000005007;ENSG00000105700	LSM4;B3GNT3;UPF1;KXD1	cg13407975;cg18376352
12	89748725	89749142	0.003575	9	1.36E-05	0.01386	0/9	-19.26861	DUSP6	-2089	intergenic	CpG: 259	581	shore	ENSG00000139323	POC1B	cg08802841;cg15296664;cg05589489;cg12414174;cg05403689;cg13519918;cg22466678;cg01093028;cg26635451
7	130606227	130606499	0.003388	3	9.07E-06	0.01415	0/3	-8.81711	LINC00513	0	nc_intron+nc_exon	CpG: 185	-183859				cg17884698;cg22124221;cg10540679
5	1076016	1076166	0.00273	2	5.04E-06	0.01426	2/0	7.0638979	SLC12A7	0	intron	CpG: 19	-1678	shore			cg26500588;cg27585120
3	52478873	52479108	0.003646	6	7.98E-06	0.01441	0/6	-14.89975	SEMA3G	0	TSS+intron+utr5+cds	CpG: 58	-10309		ENSG00000010327;ENSG00000164088;ENSG00000010319;ENSG00000163939;ENSG00000163932;ENSG00000164087;ENSG00000023330;ENSG00000163938;ENSG00000162267;ENSG00000163931;ENSG00000163935;ENSG00000016864;ENSG00000114841	STAB1;PPM1M;SEMA3G;PBRM1;PRKCD;POC1A;ALAS1;GNL3;ITIH3;TKT;SFMBT1;GLT8D1;DNAH1	cg04338788;cg16362603;cg15287092;cg17910586;cg01113435;cg27386912;cg22861340;cg00151709;cg06221449;cg10387543;cg10782019
1	29101848	29102153	0.003978	5	1.06E-05	0.01473	0/5	-12.65576	YTHDF2	5561	intergenic	CpG: 26	0	island	ENSG00000117751;ENSG00000198492;ENSG00000120656	PPP1R8;YTHDF2;TAF12	
3	52828582	52828818	0.003682	5	8.26E-06	0.01485	5/0	12.794356	ITIH3	0	TSS+exon+utr5	CpG: 61	23454		ENSG00000010319;ENSG00000114902;ENSG00000090097;ENSG00000163932;ENSG00000016864;ENSG00000162267;ENSG00000010327;ENSG00000163939	SEMA3G;SPCS1;PCBP4;PRKCD;GLT8D1;ITIH3;STAB1;PBRM1	cg05299048;cg25865553;cg15485378;cg26099316;cg16423337

1	110156681	110156820	0.002662	2	4.87E-06	0.01487	0/2	-7.094169	GNAT2	-976	intergenic	CpG: 23	-5644	ENSG00000134248;ENSG00000184371	LAMTOR5;CSF1	cg02492799;cg12234947
6	5997718	5997791	0.001685	2	2.63E-06	0.01529	0/2	-7.275744	NRN1	441	intergenic	CpG: 36	304	shore			cg07143961;cg00518266
2	9235897	9235972	0.001711	3	2.72E-06	0.01537	0/3	-9.407897	MBOAT2	-92018	intergenic	CpG: 109	91267				cg20610452;cg24231854;cg04575202
8	61823026	61823275	0.001607	2	9.16E-06	0.0156	0/2	-6.960238	CHD7	42440	intergenic	CpG: 70	0	island	ENSG00000171316	CHD7	cg20904475;cg06011086
2	208635636	208635942	0.0008047	4	1.15E-05	0.01594	4/0	10.761992	FZD5	-1006	intergenic	CpG: 309	702	shore			cg05365735;cg18866599;cg22705959;cg13278353
11	121466429	121466629	0.003646	3	8.03E-06	0.01701	01-Feb	-7.892489	SORL1	0	intron+cds	CpG: 73	143127				cg15724159;cg11586591;cg17510957
22	50451053	50451245	0.003604	4	7.76E-06	0.01713	0/4	-11.03344	IL17REL	0	TSS+exon+utr5	CpG: 83	1532	shore	ENSG00000188511;ENSG00000188130;ENSG00000213279;ENSG00000235111;ENSG00000079974;ENSG00000185386;ENSG00000196576;ENSG00000251322	C22orf34;MAPK12;ENSG00000213279;ENSG00000235111;RABL2B;MAPK11;PLXNB2;SHANK3	cg14278345;cg15565576;cg26206185;cg03721641
3	124732721	124732817	0.002246	4	3.89E-06	0.01717	0/4	-11.44605	HEG1	0	cds	CpG: 77	-41429		ENSG00000160145;ENSG00000114547;ENSG00000173706;ENSG00000189366;ENSG00000171084;ENSG00000114520;ENSG00000173702	KALRN;ROPN1B;HEG1;ALG1L;FAM86JP;SNX4;MUC13	cg04425094;cg11890301;cg25201381;cg03323614
3	111804829	111805005	0.007024	5	7.33E-06	0.01765	0/5	-12.9059	C3orf52	-176	intergenic	CpG: 68	0	island			cg11874323;cg14018690;cg21572731;cg05570980;cg07741984
10	6264624	6264776	0.003198	3	6.34E-06	0.01766	0/3	-9.06567	PFKFB3;PFKFB3 LOC107986	0;0	nc_intron;intron	CpG: 20	1753	shore	ENSG00000198879;ENSG00000232807;ENSG00000065675	SFMBT2;ENSG00000232807;PRKCQ	cg03457284;cg13782176;cg16546349
7	128020863	128021037	0.003575	2	7.61E-06	0.01853	01-Jan	1.4676929	845	-5698	intergenic	CpG: 92	18797		ENSG00000128594;ENSG00000128602	LRRC4;SMO	cg14523734;cg26802119
11	67206262	67206434	0.003582	4	7.69E-06	0.01892	4/0	10.970569	CORO1B	0	intron+cds	CpG: 26	2600	shore	ENSG00000175463;ENSG00000213402;ENSG00000255306;ENSG00000239306;ENSG00000006534;ENSG00000160172	TBC1D10C;PTPRCAP;ENSG00000255306;RBM14;ALDH3B1;FAM86C2P	cg23468927;cg12044599;cg02740606;cg17690322
14	91758470	91758641	0.003582	2	7.68E-06	0.01901	0/2	-6.925675	CCDC88C	0	intron	CpG: 26	2906	shore	ENSG00000133962;ENSG00000165914;ENSG00000165929;ENSG00000183648;ENSG00000198668;ENSG00000100815;ENSG00000165934	CATSPERB;TTC7B;TC2N;NDUFB1;CALM1;TRIP11;CPSF2	cg05015297;cg10837846
1	7842158	7842406	0.004667	4	1.16E-05	0.01985	0/4	-10.74677	VAMP3	666	intergenic	CpG: 20	-1054	shore	ENSG00000162426;ENSG00000171735;ENSG00000142599	SLC45A1;CAMTA1;RERE	cg22229039;cg14511923;cg02277850;cg23987789
1	64058522	64058672	0.003036	3	7.16E-06	0.02019	0/3	-9.042914	PGM1	-409	intergenic	CpG: 104	-265	shore	ENSG00000185483	ROR1	cg15590153;cg24370698;cg24585453
1	12123734	12124114	0.005657	4	1.88E-05	0.02088	4/0	10.462246	TNFRSF8;TNFRSF8	0;0	intron;intron+utr5	CpG: 63	0	island			cg07166679;cg04506109;cg16305333;cg07731304
11	3177621	3177865	0.001691	3	1.21E-05	0.02091	0/3	-8.804758	OSBPL5	0	intron+utr5	CpG: 43	-3709				cg06005892;cg25627263;cg03174521
19	34111482	34111733	0.004871	4	1.25E-05	0.02101	4/0	10.753476	CHST8	-1125	intergenic	CpG: 232	-546	shore	ENSG00000213965	NUDT19	cg08639586;cg02625404;cg10020290;cg18823272
3	11178364	11178798	0.005302	7	2.18E-05	0.02127	0/7	-15.61973	HRH1	0	TSS+exon+utr5	CpG: 83	-17103		ENSG00000240288	GHRLOS	cg13593758;cg16929739;cg12179658;cg06457736;cg08831077;cg25677394;cg27092248
22	50746890	50747040	0.003575	3	7.61E-06	0.02145	01-Feb	-3.830272	DENND6B	418	intergenic	CpG: 95	765	shore	ENSG00000079974;ENSG00000205593;ENSG00000177989;ENSG00000025770;ENSG00000025708;ENSG00000188130	RABL2B;DENND6B;ODF3B;NCAPH2;TYMP;MAPK12	cg15269226;cg19553402;cg17939585
11	330871	331179	0.005037	4	1.57E-05	0.0216	4/0	10.533975	IFITM3	-9957	intergenic	CpG: 23	0	island			cg05327844;cg23326607;cg14957089;cg04537282
12	52388016	52388360	0.005159	3	1.76E-05	0.02164	0/3	-8.565141	ACVR1B	0	exon+utr3	CpG: 138	-12107		ENSG00000161835;ENSG00000139567;ENSG00000167767;ENSG00000184271;ENSG00000139629;ENSG00000111057	GRASP;ACVRL1;KRT80;POU6F1;GALNT6;KRT18	cg17516106;cg15540623;cg10615271

6	134210137	134210307	0.001935	7	8.81E-06	0.0219	7/0	16.902543	TCF21;TARID	0;0		TSS+exon+utr5;nc_exon	CpG: 51	-332	shore	ENSG00000118526;ENSG00000112319;ENSG00000028839;ENSG00000146411	TCF21;EYA4;TBPL1;SLC2A12	cg09988461;cg20986996;cg12359158;cg10066534;cg12468478;cg17470942;cg24157171
8	1725118	1725179	0.001937	3	3.23E-06	0.02238	0/3	-9.423818	CLN8		0	intron	CpG: 60	-8088		ENSG00000104728;ENSG00000036448	ARHGEF10;MYOM2	cg12723350;cg17051905;cg19198358
6	1594033	1594411	0.003574	4	2.02E-05	0.02259	0/4	-10.4489	FOXCUT	-11354		intergenic	CpG: 24	-4679		ENSG00000218027;ENSG00000137273;ENSG00000112699;ENSG00000054598	ENSG00000218027;FOXF2;GMDS;FOXC1	cg16071029;cg14825735;cg17396305;cg22198853
14	24422367	24422419	0.001755	2	2.83E-06	0.02296	0/2	-7.284156	DHRS4-AS1		0	nc_intron	CpG: 32	-351	shore	ENSG00000215256;ENSG00000100842;ENSG00000129467	DHRS4-AS1;EFS;ADCY4	cg01878807;cg18981338
17	80189961	80190154	0.004404	7	1.09E-05	0.02375	0/7	-16.33462	SLC16A3;SLC16A3	0;0		TSS+exon+utr5;intron+utr5	CpG: 293	0	island	ENSG00000141580;ENSG00000224877;ENSG00000169689	WDR45B;C17orf89;STRA13	cg17932802;cg10377245;cg23224090;cg19284277;cg18083597;cg27355141;cg03956820
17	7461420	7461775	0.005976	4	2.03E-05	0.02413	0/4	-10.42121	TNFSF13;TNFSF13;TNFSF13;TNFSF12-TNFSF13	0;0;0;0		TSS+intron+exon+utr5;TSS+exon+utr5;nc_exon;intron	CpG: 108	-2891	shore	ENSG00000132514;ENSG00000072818;ENSG00000213859	CLEC10A;ACAP1;KCTD11	cg10479431;cg05514680;cg23161218;cg13358186
14	105116394	105116606	0.00484	3	1.23E-05	0.02454	0/3	-8.998016	LINC02280		10850	intergenic	CpG: 41	0	island			cg04378287;cg13658186;cg02722532
17	53499746	53499954	0.004792	2	1.21E-05	0.02463	0/2	-6.778432	MMD		-550	intergenic	CpG: 97	200	shore			cg10052118;cg14861570
6	31590512	31590870	0.005657	10	2.13E-05	0.02508	0/10	-20.92231	SNORA38;PRRC2A	0;0		nc_exon;intron+utr5+cds	CpG: 104	1488	shore	ENSG00000204301;ENSG00000213719;ENSG00000204296;ENSG00000204356;ENSG00000204560;ENSG00000146112;ENSG00000204385;ENSG00000168477;ENSG00000204580;ENSG00000206337;ENSG00000204389;ENSG00000204428;ENSG00000137404;ENSG00000204388;ENSG00000204463;ENSG00000244731;ENSG00000137411;ENSG00000213654;ENSG00000204536;ENSG00000234745;ENSG00000227507;ENSG00000204390;ENSG00000204396;ENSG00000225914	NOTCH4;CLIC1;C6orf10;NELFE;DHX16;PPP1R18;SLC44A4;TNXB;DDR1;HCP5;HSPA1A;LY6G5C;NRM;HSPA1B;BAG6;C4A;VARS2;GPSM3;CCHCR1;HLA-B;LTB;HSPA1L;VWA7;ENSG00000225914	cg11643442;cg08484337;cg06023161;cg16291917;cg18305324;cg07708721;cg13704497;cg18020072;cg08500171;cg00774102
19	10602690	10602877	0.01685	2	1.12E-05	0.02524	0/2	-6.830219	KEAP1		0	cds	CpG: 60	0	island	ENSG00000213339	QTRT1	cg07695362;cg10505024
3	137834570	137834755	0.004488	6	1.11E-05	0.0254	0/6	-14.68233	DZIP1L		-120	intergenic	CpG: 78	0	island			cg07253126;cg21538194;cg09151521;cg05987030;cg18095506;cg21459229
6	167104600	167104926	0.005481	5	1.96E-05	0.02541	0/5	-12.18694	RPS6KA2		0	intron	CpG: 172	62921		ENSG00000026297	RNASET2	cg00267142;cg17087907;cg16500987;cg25840433;cg01929744
9	133794518	133794590	0.002493	2	4.46E-06	0.0261	0/2	-7.10971	FIBCD1		0	intron	CpG: 17	0	island	ENSG00000130713	EXOSC2	cg13744508;cg02530222
19	1255282	1255516	0.00548	3	1.49E-05	0.02686	0/3	-8.826894	MIDN		0	intron+cds	CpG: 35	0	island	ENSG00000099864	PALM	cg27172769;cg08176140;cg24300446
6	27018040	27018112	0.00258	2	4.64E-06	0.02715	0/2	-7.091139	LINC00240		26287	intergenic	CpG: 43	29966		ENSG00000204789;ENSG00000228223;ENSG00000124613;ENSG00000111801;ENSG00000224843;ENSG00000124549	ZNF204P;HCG11;ZNF391;BTN3A3;LINC00240;B TN2A3P	cg11823142;cg23634477
19	38794553	38794845	0.005577	6	1.90E-05	0.02738	0/6	-13.99781	YIF1B;C19orf33	0;0		exon+utr3;TSS+exon+utr5	CpG: 34	-11640		ENSG00000189164;ENSG00000167642;ENSG00000171817;ENSG00000196381;ENSG00000167641;ENSG00000130669;ENSG00000189144;ENSG00000099341;ENSG00000198182;ENSG00000104814	ZNF527;SPINT2;ZNF540;;ZNF781;PPP1R14A;PAK4;ZNF573;PSMD8;ZNF607;MAP4K1	cg27174108;cg07665060;cg03049863;cg11708454;cg11272232;cg00412772
3	45927588	45927630	0.001716	3	2.74E-06	0.02748	0/3	-9.529458	LZTFL1;LZTFL1	0;0		intron;intron+utr5	CpG: 50	43728		ENSG00000163818;ENSG00000163814;ENSG00000163817;ENSG00000163815;ENSG00000160801	LZTFL1;CDCP1;SLC6A20;CLEC3B;PTH1R	cg27198997;cg09033997;cg06519172

7	2030228	2030301	0.002654	2	4.83E-06	0.02785	2/0	7.0912772	MAD1L1	0	intron	CpG: 17	902	shore	ENSG00000157778;ENSG00000146535;ENSG00000164849;ENSG00000106012;ENSG00000225968	PSMG3;GNA12;GPR146;IQCE;ELFN1	cg05434287;cg21782813
17	80401664	80401857	0.004971	2	1.28E-05	0.02803	0/2	-6.766143	CYBC1;CYBC1	0;0	exon+utr3;nc_exon	CpG: 18	0	island	ENSG00000141556;ENSG00000141580	TBCD;WDR45B	cg22810684;cg12699647
12	110211320	110211642	0.006025	6	2.15E-05	0.02809	0/6	-13.99489	FAM222A-AS1	-28	intergenic	CpG: 24	54824		ENSG00000256139;ENSG00000076555;ENSG00000174527;ENSG00000110906;ENSG00000122970;ENSG00000204852;ENSG00000111199;ENSG00000139445;ENSG00000111229;ENSG00000196850	ENSG00000256139;ACACB;MYO1H;KCTD10;IFT81;TCTN1;TRPV4;FOXN4;ARPC3;PPTC7	cg06892868;cg09251362;cg16266358;cg06840837;cg16635128;cg11256214
6	28875353	28875370	0.000939	3	1.16E-06	0.02876	0/3	-9.821425	TRIM27	0	intron	CpG: 18	11808		ENSG00000197279;ENSG00000204681;ENSG00000137338;ENSG00000272009;ENSG00000204642;ENSG00000158691;ENSG00000224157	ZNF165;GABBR1;PGBD1;ENSG00000272009;HLA-F;ZSCAN12;HCG14	cg11389756;cg14059339;cg08279189
13	110398141	110398293	0.004348	3	1.06E-05	0.02931	3/0	8.885182	IRS2	6748	intergenic	CpG: 548	-36173				cg06894723;cg12746120;cg24687655
7	97844909	97844947	0.001691	2	2.65E-06	0.02934	0/2	-7.267704	TECPR1	0	exon+utr3	CpG: 41	2904	shore	ENSG00000185467;ENSG00000006453;ENSG00000180535;ENSG00000166448;ENSG00000205356;ENSG00000272950;ENSG00000164713;ENSG00000070669	KPNA7;BAIAP2L1;BHLHA15;TMEM130;TECPR1;ENSG00000272950;BRI3;ASNS	cg24090529;cg23265009
11	2847257	2847642	0.003112	3	2.69E-05	0.02943	0/3	-8.518531	KCNQ1	0	intron	CpG: 34	18373				cg06485603;cg12141659;cg10151367
15	28259936	28260052	0.003654	2	8.12E-06	0.02949	01-Jan	1.261252	OCA2	0	cds	CpG: 58	10770				cg16973568;cg01677142
3	43405623	43405871	0.006025	2	1.74E-05	0.02951	2/0	6.7478263	ANO10	1946	intergenic	CpG: 18	0	island	ENSG00000144649;ENSG00000114853;ENSG00000182983;ENSG00000181061;ENSG00000011198;ENSG00000008324;ENSG00000241939	FAM198A;ZBTB47;ZNF662;HIGD1A;ABHD5;SS18L2;RN7SL517P	cg24074783;cg10670501
10	88727829	88728361	0.005351	7	3.80E-05	0.03009	0/7	-15.1343	ADIRF	0	TSS+utr5+cds	CpG: 59	0	island	ENSG00000173269	MMRN2	cg12261786;cg11805311;cg01754756;cg09573585;cg26395382;cg09715672;cg14753599
18	55862576	55862872	0.003476	7	2.23E-05	0.03175	0/7	-15.95738	NEDD4L;NEDD4L;NEDD4L	0;0;0	intron+utr5;TSS+exon+utr5;intron	CpG: 19	0	island	ENSG00000074657;ENSG00000166562;ENSG00000081923;ENSG00000172175;ENSG00000049759	ZNF532;SEC11C;ATP8B1;MALT1;NEDD4L	cg27105827;cg15733882;cg15245625;cg25693302;cg21068094;cg14186816;cg17889402
1	3331986	3332264	0.005992	6	2.12E-05	0.03206	6/0	13.987698	PRDM16	0	intron	CpG: 19	0	island	ENSG00000157916;ENSG00000272235;ENSG00000162591;ENSG00000142611;ENSG00000227372;ENSG00000157881;ENSG00000177133;ENSG00000225931	RER1;ENSG00000272235;MEGF6;PRDM16;TP73-AS1;PANK4;LINC00982;ENSG00000225931	cg02999781;cg10588310;cg14841011;cg08007925;cg14171460;cg18396811
11	12133014	12133196	0.00526	2	1.40E-05	0.03229	0/2	-6.727367	MICAL2;MICAL2	0;0	nc_intron;intron+utr5	CpG: 119	0	island	ENSG00000187079	TEAD1	cg12122057;cg24022152
12	95840312	95840596	0.005992	3	2.21E-05	0.03277	3/0	8.4554304	METAP2	-27225	intergenic	CpG: 39	-26988				cg10621809;cg06159896;cg27614751
11	1884987	1885097	0.003845	2	8.77E-06	0.03351	0/2	-6.921866	LSP1	0	intron	CpG: 45	-6940		ENSG00000130592;ENSG00000110665;ENSG00000184682;ENSG00000167244;ENSG00000064201;ENSG00000130600	LSP1;C11orf21;C11orf89;IGF2;TSPAN32;H19	cg09060789;cg05928581
14	105859134	105859242	0.003815	2	8.65E-06	0.03364	0/2	-6.894286	PACS2	0	intron+cds	CpG: 94	-5238		ENSG00000140104;ENSG00000185100;ENSG00000203485;ENSG00000170779;ENSG00000211949;ENSG00000211947;ENSG00000184916;ENSG00000213145;ENSG00000211938;ENSG00000184986;ENSG00000211943;ENSG00000211890	C14orf79;ADSSL1;INF2;CDCA4;IGHV3-23;IGHV3-21;JAG2;CRIP1;IGHV3-7;TMEM121;IGHV3-15;IGHA2	cg25112002;cg01947482

8	124195132	124195402	0.004802	3	2.20E-05	0.03427	0/3	-8.471924	FAM83A	0	cds	CpG: 54	21591		ENSG00000178764;ENSG00000214814;ENSG00000147689;ENSG00000156787;ENSG00000181171;ENSG00000204949;ENSG00000254000;ENSG00000156804;ENSG00000253868	ZHX2;FER1L6;FAM83A;TBC1D31;FER1L6-AS1;FAM83A-AS1;FBXO32;FER1L6-AS2	cg23067535;cg22384356;cg19924352
10	126314679	126314798	0.004122	3	9.82E-06	0.03464	0/3	-9.028038	FAM53B	0	intron	CpG: 37	10466		ENSG00000121898;ENSG00000175029;ENSG00000065154;ENSG00000107902;ENSG00000182022	CPXM2;CTBP2;OAT;LHPP;CHST15	cg04426802;cg26725552;cg07984614
6	136172686	136172947	0.006363	5	2.17E-05	0.0349	0/5	-12.26854	PDE7B	0	TSS+exon+utr5	CpG: 84	353526		ENSG00000220660	ENSG00000220660	cg04152196;cg08109136;cg08378567;cg27306443;cg24283684
11	133804742	133805057	0.006825	4	2.62E-05	0.03493	0/4	-10.27108	IGSF9B	0	intron	CpG: 21	3811		ENSG00000166086;ENSG00000255545	JAM3;ENSG00000255545	cg11070420;cg16461134;cg08170519;cg04625914
10	104182413	104182753	0.02183	3	2.88E-05	0.03555	0/3	-8.261415	FBXL15	0	intron+utr3+cds	CpG: 139	371	shore			cg14202146;cg10337322;cg10754935
14	38071284	38071393	0.004024	3	9.34E-06	0.03595	3/0	8.926009	TTC6	0	intron+utr5	CpG: 123	2077	shore	ENSG00000176435	CLEC14A	cg07115626;cg18252039;cg01739725
22	44568698	44568913	0.00623	7	1.85E-05	0.03617	0/7	-16.00829	PARVG	0	TSS+exon+utr5	CpG: 101	147908		ENSG00000159307;ENSG00000093000;ENSG00000226328;ENSG00000188677;ENSG00000230922;ENSG00000056487	SCUBE1;NUP50;ENSG00000226328;PARVB;ENSG00000230922;PHF21B	cg16873414;cg17542751;cg25353896;cg02911509;cg13429423;cg08271031;cg03903451
5	4511581	4511755	0.005534	2	1.51E-05	0.03645	0/2	-6.715736	LINC02114	-261838	intergenic	CpG: 39	-354562		ENSG00000164151	KIAA0947	cg18482690;cg26485159
1	3807167	3807312	0.004919	2	1.27E-05	0.03664	0/2	-6.969187	C1orf174	0	cds	CpG: 48	-1178	shore	ENSG00000116198;ENSG00000158109	CEP104;TPRG1L	cg16349667;cg09262197
19	1851749	1852165	0.00731	5	3.65E-05	0.03678	5/0	11.848243	KLF16	232	intergenic	CpG: 55	0	island	ENSG00000116017;ENSG00000176533;ENSG00000160953;ENSG00000133243;ENSG00000172081;ENSG00000180448;ENSG00000130270;ENSG00000185761	ARID3A;GNG7;MUM1;BTBD2;MOB3A;HMHA1;ATP8B3;ADAMTSL5	cg08620751;cg13382072;cg11434705;cg07355926;cg05006231
16	90050101	90050151	0.002478	3	4.42E-06	0.03704	3/0	9.2295334	AFG3L1P	0	nc_intron	CpG: 93	10518				cg09104284;cg02760445;cg07794169
6	35992081	35992219	0.004802	2	1.22E-05	0.03707	0/2	-6.774364	SLC26A8;SLC26A8	0;0	intron+exon+utr5;intron+utr5	CpG: 98	-3026		ENSG00000124762	CDKN1A	cg15674432;cg15117372
16	474270	474528	0.006418	4	2.32E-05	0.03769	0/4	-10.34434	RAB11FIP3	-1120	intergenic	CpG: 188	-394	shore	ENSG00000261659;ENSG00000103260;ENSG00000196674;ENSG00000162004;ENSG00000007541	ENSG00000261659;MET RN;ENSG00000196674;CCDC78;PIGQ	cg09555736;cg02102075;cg06502279;cg03363565
1	36615844	36616030	0.005954	3	1.69E-05	0.03802	0/3	-8.696628	TRAPPC3	0	intron+utr5	CpG: 61	382	shore	ENSG00000116898;ENSG00000119535;ENSG00000196182;ENSG00000116863	MRPS15;CSF3R;STK40;ADPRHL2	cg00039326;cg08909156;cg19822229
1	156893791	156893873	0.003582	2	7.65E-06	0.03909	0/2	-6.926975	LRRC71	0	cds	CpG: 62	0	island	ENSG00000143297;ENSG00000254726;ENSG00000027869;ENSG00000116586;ENSG00000117036;ENSG00000163468	FCRL5;MEX3A;SH2D2A;LAMTOR2;ETV3;CCT3	cg24638326;cg06374307
19	55417360	55417647	0.002814	6	2.73E-05	0.03987	6/0	14.149288	NCR1	0	TSS+intron+utr5+cds	CpG: 28	-33175		ENSG00000179943;ENSG00000104972;ENSG00000142408;ENSG00000125505;ENSG00000088053;ENSG00000104974	FIZ1;LILRB1;CACNG8;MBOAT7;GP6;LILRA1	cg12123879;cg13518366;cg18832619;cg17804112;cg14550066;cg12952132
1	210407472	210407755	0.005159	7	2.71E-05	0.04013	0/7	-15.68993	SERTAD4	0	intron+utr5	CpG: 20	0	island	ENSG00000054392	HHAT	cg04282788;cg25876656;cg20270863;cg08900371;cg18265162;cg05723989;cg16118387
12	56120815	56121015	0.006418	2	1.95E-05	0.04073	0/2	-6.615787	CD63;CD63	0;0	intron+cds;intron+utr5+cds	CpG: 96	-1002	shore	ENSG00000065361;ENSG00000135424;ENSG00000135426;ENSG00000123342;ENSG00000172551;ENSG00000110958;ENSG00000170473;ENSG00000076067;ENSG00000135414;ENSG00000139613;ENSG00000123353;ENSG00000135404	ERBB3;ITGA7;TESPA1;MMP19;MUCL1;PTGES3;WIBG;RBMS2;GDF11;SMARCC2;ORMDL2;CD63	cg21008399;cg11848173

7	105319436	105319679	0.006691	5	2.41E-05	0.04142	0/5	-12.26555	ATXN7L1;ATXN7L1;TXN7L1	0;0	TSS+intron+exon+utr5;intron	CpG: 27	95586				cg14427668;cg00423035;cg18527241;cg05803296;cg08645907
2	230933542	230933934	0.008667	4	3.89E-05	0.04147	01-Mar	-5.64887	SLC16A14	0	TSS+exon+utr5	CpG: 107	0	island	ENSG00000153823;ENSG00000153832;ENSG00000187957	PID1;FBXO36;DNER	cg16273133;cg13062396;cg01172899;cg25621735
1	236318426	236318545	0.004704	3	1.18E-05	0.04152	0/3	-8.839664	GPR137B	0	intron	CpG: 98	11752		ENSG00000116962;ENSG00000198626;ENSG00000116984;ENSG00000162885;ENSG00000116957;ENSG00000077522	NID1;RYR2;MTR;B3GALNT2;TBCE;ACTN2	cg01514015;cg23237976;cg23655242
6	29521271	29521751	0.006682	20	4.85E-05	0.04225	20/0	36.234506	UBD	1637	intergenic	CpG: 80	0	island	ENSG00000204681;ENSG00000214922;ENSG00000224157;ENSG00000204619;ENSG00000176998	GABBR1;HLA-F-AS1;HCG14;PPP1R11;HCG4	cg22762215;cg21632158;cg03402459;cg22305167;cg15818307;cg21133153;cg06087185;cg20723129;cg09205920;cg15490715;cg06613392;cg18488157;cg00370229;cg12217400;cg03409187;cg19690984;cg16044251;cg18588589;cg06378770;cg22617773
6	75912546	75912711	0.006142	3	1.79E-05	0.04527	0/3	-8.678705	COL12A1	0	intron+utr5	CpG: 43	413	shore	ENSG00000196586	MYO6	cg13647382;cg21112099;cg03503642
2	33359280	33359688	0.008203	5	4.43E-05	0.04539	0/5	-11.64135	LTBP1;LTBP1	0;0	TSS+exon+utr5;intron	CpG: 155	186116		ENSG00000152689	RASGRP3	cg15135286;cg13652008;cg03906115;cg08357990;cg14102437
19	36247866	36248077	0.007028	4	2.32E-05	0.04582	0/4	-10.46362	HSPB6	0	TSS+utr5+cds	CpG: 127	0	island	ENSG00000267053;ENSG00000161249	ENSG00000267053;DMKN	cg13558754;cg24673765;cg10790747;cg15125472
2	7171868	7172097	0.007394	4	2.52E-05	0.04586	0/4	-10.38425	RNF144A	0	intron	CpG: 19	-199	shore	ENSG00000151692	RNF144A	cg05087455;cg27281690;cg21486510;cg13464573
21	36041526	36041699	0.006367	6	1.92E-05	0.04626	6/0	14.203602	CLIC6	0	utr5+cds	CpG: 204	0	island	ENSG00000241837;ENSG00000159216;ENSG00000224598	ATP5O;RUNX1;RPS5P2	cg20343048;cg18371700;cg19200589;cg18074297;cg11528328;cg10722799
16	67022471	67022719	0.007957	3	2.86E-05	0.04816	0/3	-8.571196	CES4A	0	TSS+utr5+cds	CpG: 68	-11751		ENSG00000039523;ENSG00000183723;ENSG00000179776;ENSG00000124067;ENSG00000159720;ENSG00000159753;ENSG00000067955;ENSG00000166595;ENSG00000140931;ENSG00000213398;ENSG00000141098;ENSG00000168701;ENSG00000159714;ENSG00000172831;ENSG00000102904;ENSG00000102871;ENSG00000141084;ENSG00000172824;ENSG00000124074;ENSG00000159713;ENSG00000196155;ENSG00000166592;ENSG00000159708	FAM65A;CMTM4;CDH5;SLC12A4;ATP6V0D1;RLTPR;CBFB;FAM96B;CMTM3;LCAT;GFOD2;TMEM208;ZDHHC1;CES2;TSNAXIP1;TRADD;RANBP10;CES4A;ENKD1;TPPP3;PLEKHG4;RRAD;LRRC36	cg09232225;cg26762050;cg07323447
5	501862	502074	0.007427	4	2.54E-05	0.04985	0/4	-10.6866	SLC9A3	0	intron	CpG: 26	0	island	ENSG00000066230;ENSG00000153395;ENSG00000188242;ENSG00000171368;ENSG00000249915	SLC9A3;LPCAT1;ENSG00000188242;TPPP;PDCD6	cg12833872;cg22572362;cg13340126;cg19301897
1	207262189	207262553	0.008886	3	4.36E-05	0.04995	0/3	-8.163007	C4BPB;C4BPB	0;0	intron+exon+utr5;TSS+intron+exon+utr5	CpG: 47	35347		ENSG00000162896;ENSG00000123836;ENSG00000174059;ENSG00000117335;ENSG00000196533;ENSG00000076356;ENSG00000143479;ENSG00000197721;ENSG00000163486;ENSG00000143466	PIGR;PFKFB2;CD34;CD46;C1orf186;PLXNA2;DYRK3;CR1L;SRGAP2;IKBKE	cg05659947;cg14740771;cg21571160

	bas1	bas2	bas.act	bas.cyc	b.cel	cil	club	cyc	fib	gob	gob.cil	ion	lum.mac	mast	neu	pul.den	smo.mus	sub.gla	t.cel	vas.end
cg12173661	1.58E-216	1.13E-217	4.40E-188	4.25E-76	9.87E-66	0	1.89E-97	1.67E-24	3.75E-182	2.01E-79	1.04E-195	1.16E-85	2.03E-66	8.22E-75	9.73E-66	6.97E-71	2.06E-167	1.19E-118	1.35E-70	4.11E-165
cg23932332	4.71E-208	4.97E-206	2.34E-179	8.04E-80	2.46E-70	0	6.37E-96	4.78E-36	2.95E-159	7.71E-83	1.48E-183	6.35E-86	1.46E-72	1.59E-79	1.50E-76	4.64E-77	2.05E-158	3.90E-107	1.19E-75	1.88E-170
cg01716603	2.49E-203	1.19E-199	2.95E-175	1.78E-65	5.58E-71	0	7.81E-88	1.46E-29	5.57E-177	1.67E-75	9.03E-186	1.00E-81	4.77E-69	3.65E-81	6.22E-71	2.48E-79	2.89E-179	4.00E-96	9.58E-76	1.25E-178
cg06947286	5.40E-116	6.18E-61	1.75E-94	1.38E-24	6.35E-94	1.49E-120	2.03E-81	9.48E-70	5.26E-245	7.71E-83	2.22E-82	2.35E-79	1.23E-92	4.00E-96	2.24E-99	3.63E-92	1.66E-254	1.16E-45	7.21E-72	1.04E-205
cg20001791	4.50E-182	7.03E-144	2.29E-139	1.38E-31	1.01E-65	1.63E-244	3.35E-94	2.42E-23	2.73E-165	1.65E-87	6.08E-136	1.43E-72	9.16E-61	1.02E-75	9.31E-68	7.68E-70	8.97E-140	2.40E-95	9.05E-57	8.46E-126
cg10986462	8.77E-81	1.19E-61	4.35E-61	2.36E-22	2.16E-117	6.82E-107	1.54E-52	1.95E-108	6.82E-190	2.09E-69	4.07E-85	5.39E-64	2.88E-104	8.83E-125	3.75E-132	6.56E-133	7.26E-201	9.73E-36	1.92E-125	6.28E-191
cg23916878	5.98E-181	4.10E-122	3.90E-134	1.65E-26	5.80E-86	2.56E-253	5.97E-93	7.62E-35	1.84E-256	5.85E-95	5.25E-131	9.83E-76	3.06E-74	9.96E-102	7.91E-87	3.52E-103	7.72E-244	2.00E-75	1.52E-92	3.52E-194
cg07224931	1.19E-153	1.89E-198	1.94E-140	2.12E-78	1.75E-53	0	2.76E-58	1.15E-23	9.30E-66	1.74E-49	9.82E-173	2.08E-62	9.93E-46	1.68E-53	1.22E-48	3.35E-55	5.72E-39	4.65E-107	1.21E-63	4.33E-67
cg18763536	1.15E-23	1.85E-23	1.01E-27	0.000318	1.07E-44	1.31E-21	9.38E-24	3.13E-31	0.000234	8.68E-28	3.38E-22	3.31E-18	1.36E-68	4.26E-39	1.04E-77	1.59E-68	0.003147	1.60E-24	1.60E-37	2.29E-14
cg18091275	0.938487	0.999678	0.799857	0.022554	1.28E-16	0.995591	0.901783	4.48E-53	0.084472	0.992138	0.573984	0.018044	1.94E-09	7.17E-08	1.06E-17	6.59E-11	0.998523	0.6384888	1.00E-29	0.116922
cg13525448	1.67E-12	9.28E-05	1.77E-08	7.07E-29	7.76E-15	0.000495	2.91E-19	1.71E-41	6.50E-87	1.54E-21	0.001326	2.09E-24	1.15E-18	2.30E-16	3.95E-19	2.74E-20	6.96E-56	1.43E-06	2.15E-19	2.81E-54
cg08307963	3.25E-09	3.98E-06	0.010529	0.999941	4.52E-11	3.00E-25	0.5046	1.78E-06	7.57E-05	0.205711	2.63E-17	0.00913	1.40E-15	9.43E-13	3.34E-16	8.79E-29	0.22937	0.0704362	1.27E-36	0.29483
cg08364654	0.340044	0.379541	0.973179	0.841458	1	0.780106	0.985532	1	1	0.823472	0.760113	0.719665	0.999998	0.999999	1	0.999994	1	0.5925189	0.999999	1
cg04886217	1	1	1	1	0.980958	1	1	1	1	0.999952	1	1	1	1	1	1	1	1	1	1
cg00741675	0.224838	1.26E-17	0.096791	3.29E-15	1	0.008441	0.488833	1	1	0.107818	1.80E-05	0.969531	1	0.999999	1	1	1	0.0027588	0.999999	1
cg23805470	0.93951	0.99344	0.993239	0.024718	0.999925	1	0.114241	0.999963	1	0.001186	1	0.998947	1	0.999762	1	0.999989	0.999843	0.99853	0.999827	1