IL-22 suppresses IFN-γ–mediated lung inflammation in asthmatic patients

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Background: IL-22 controls tissue homeostasis by both proinflammatory and anti-inflammatory effects. However, the anti-inflammatory mechanisms of IL-22 remain poorly investigated.

Objective: We sought to investigate the anti-inflammatory role for IL-22 in human asthma.

Methods: T-cell lines derived from lung biopsy specimens of asthmatic patients were characterized by means of flow cytometry. Human bronchial epithelial cells from healthy and asthmatic subjects were stimulated with IL-22, IFN-γ, or the combination of both cytokines. Effects of cytokine stimulation were investigated by using whole-genome analysis, ELISA, and flow cytometry. The functional consequence of cytokine stimulation was evaluated in an *in vitro* wound repair model and T cell–mediated cytotoxicity experiments. *In vivo* cytokine expression was measured by using immunohistochemistry and Luminex assays in bronchoalveolar lavage fluid of healthy and asthmatic patients.

Results: The current study identifies a tissue-restricted antagonistic interplay of IL-22 and the proinflammatory cytokine IFN-γ. On the one hand, IFN-γ antagonized IL-22–mediated induction of the antimicrobial peptide S100A7 and epithelial cell migration in bronchial epithelial cells. On the other hand, IL-22 decreased epithelial susceptibility to T cell–mediated cytotoxicity by inhibiting the IFN-γ–induced expression of MHC-I, MHC-II, and CD54/intercellular adhesion molecule 1 molecules. Likewise, IL-22 inhibited IFN-γ–induced secretion of the proinflammatory chemokines CCL5/RANTES and CXCL10/interferon-inducible protein 10 *in vitro*. Consistently, the IL-22 expression in bronchoalveolar lavage fluid of asthmatic patients inversely correlated with the expression of CCL5/RANTES and CXCL10/interferon-inducible protein 10 *in vivo*.

Conclusions: IL-22 might control the extent of IFN-γ–mediated lung inflammation and therefore play a tissue-restricted regulatory role. (J Allergy Clin Immunol 2012;■■■:■■■-■■■.)

Key words: *T_H22 cells, IL-22, IFN-γ, asthma, human bronchial epithelial cells, epithelial regulation*

Asthma is a chronic inflammatory disorder of the airways characterized by airway obstruction with characteristics of remodeling and evidence of ongoing epithelial injury and repair.[1] T cells contribute to chronic asthma by inducing direct tissue damage in epithelial airways, secreting proinflammatory cytokines, and releasing factors that contribute to epithelial remodeling. T_H2 cells are primary effector cells in asthmatic patients because they secrete IL-4, IL-5, and IL-13, leading to IgE production of B cells and eosinophil-, mast cell–, and basophil-mediated inflammation. T_H1, T_H17, and cytotoxic T cells (Tc) contribute to lung inflammation through the release of a large number of cytokines, such as IFN-γ, IL-17, and IL-22, and induction of apoptosis in lung epithelial cells.[2,3]

IFN-γ is a key proinflammatory cytokine in lung inflammation. It stimulates epithelial cells to release chemokines[4] relevant for the recruitment of immune cells and therefore amplifies the ongoing immune reaction.[5-7] IFN-γ also promotes the induction of MHC class I (MHC-I), MHC class II (MHC-II), and intercellular adhesion molecule 1 (ICAM-1) expression on epithelial cells, thereby enhancing adhesion of T cells and induction of apoptosis by $CD8^+$ and $CD4^+$ T cells.[8-11]

Although the role of IFN-γ in the inflammatory process has been extensively investigated, the contribution of IL-22 remains unclear. IL-22 is a member of the IL-10 cytokine family, which is produced by many immune cells, such as natural killer cells, $CD11c^+$ myeloid cells, lymphoid tissue inducer–like cells, T_H1 cells, T_H17 cells, and the recently described T_H22 T-cell

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Supported by the German Research Foundation (DFG) (SFB/ Tr22), Hochschulwissenschaftsprogramm (HWP) and Kommission Klinische Forschung (KKF) of the Technical University Munich, Bayerische Forschungsstiftung (BFS), and the CK Care Foundation.

Disclosure of potential conflict of interest: P. K. Bhavsar has received one or more grants from or has one or more grants pending with GlaxoSmithKline. R. Effner is employed by ZAUM (the Center of Allergy and Environment). K. Eyerich has received one or more payments for lecturing from or is on the speakers' bureau for Abbott. K. F. Chung has been supported by one or more grants from the Wellcome Trust and Asthma UK; is an Advisory Board member for GlaxoSmithKline, Gilead, and Boehringer Ingelheim; has received one or more grants from or has one or more grants pending with the Medical Research Council, the Wellcome Trust, Asthma UK, and the NIH/NIESH/NIHR; has received honoraria for lecturing from GlaxoSmithKline, Novartis, and AstraZeneca; and has received one or more payments for attendance at international meetings from Novartis and Boehringer Ingelheim. C. B. Schmidt-Weber has been supported by one or more grants from SFB TR22; has consultancy arrangements with the Patent Law Office, GLB Consultants; has received one or more grants from or has one or more grants pending with DFG, CK Care, Allergopharma, Helmholtz-Gemeinschaft, Pfizer, Zeller AG, and Novartis; and has received one or more payments for lecturing from or is on the speakers' bureau for the University of Coimbra, the European Academy of Allergy and Clinical Immunology, and Allergopharma. The rest of the authors declare that they have no relevant conflicts of interest.

Received for publication March 12, 2012; revised September 16, 2012; accepted for publication September 27, 2012.

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0091-6749/$36.00

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http://dx.doi.org/10.1016/j.jaci.2012.09.036

Abbreviations used
BALF: Bronchoalveolar lavage fluid
DHBE: Asthmatic human bronchial epithelial cell
ICAM-1: Intercellular adhesion molecule 1
IL-22R: IL-22 receptor
IP-10: Interferon-inducible protein 10
MHC-I: MHC class I
MHC-II: MHC class II
NHBE: Normal human bronchial epithelial cell

subset.[12-18] The IL-22 receptor (IL-22R) is a heterodimer that consists of IL-22R and the IL-10 receptor β subunit and is expressed by epithelial cells of nonhematopoietic origin mainly in the skin, kidney, liver, gut, and lung.[19] The expression pattern of IL-22R implies that IL-22 exerts its effects exclusively on tissue cells.[20] The engagement of IL-22R was demonstrated to be essential for innate immune defenses in the gut,[15] skin,[21,22] and airways.[23] IL-22 protects the mucosal surface from extracellular pathogens by inducing the secretion of antimicrobial peptides in epithelial cells.[12,21,23] Furthermore, IL-22 maintains epithelial integrity by preventing injury and accelerating epithelial repair after a variety of lung insults.[19]

The inflammatory properties of IL-22 in the lung are conflicting. IL-22 has been shown to induce the recruitment of granulocytes synergistically with IL-17 and thus increases inflammation in mouse models of lung fibrosis and allergic asthma. However, mice lacking IL-17 production in these disease models show less inflammation, decreased numbers of infiltrating cells, and reduced airway tissue damage after injection of IL-22.[24,25] Although IL-22 has shown to be involved in lung inflammatory disorders, its anti-inflammatory role in human lung diseases has been poorly investigated.

Here we demonstrate that IL-22 and IFN-γ have reciprocal antagonistic effects on human bronchial epithelial cells. IFN-γ impairs the main IL-22 effects, such as the induction of S100A7 and migration of epithelial cells.

On the other hand, IL-22 inhibits IFN-γ–mediated upregulation of MHC-I and MHC-II, protecting the epithelium from T cell–mediated damage. Moreover, it impairs IFN-γ–mediated regulation of proinflammatory chemokines, such as CCL5/RANTES and CXCL10/interferon-inducible protein 10 (IP-10), both *in vitro* and *in vivo*. Thus IL-22 might protect the lung epithelium from IFN-γ–mediated inflammation.

This new immune axis is of special interest because it provides the first indication, to our knowledge, of a T-cell cytokine inhibiting the proinflammatory effects of IFN-γ on tissue cells.

METHODS

Patients

Healthy subjects (n = 11) and asthmatic patients (n = 28) were included according to the American Thoracic Society Workshop on Refractory Asthma.[26] Patients affected by mild (n = 14) and severe (n = 14) asthma were included in the study. Pulmonary function tests were performed and biopsy specimens and bronchoalveolar lavage fluid (BALF) were taken during baseline symptoms. The baseline symptoms correlated with pulmonary function test results. Bronchial biopsies and bronchial alveolar lavage were performed according to the local ethics committee. Each participant provided informed consent.

Cytokines and antibodies

The following antibodies were used for flow cytometric analysis: CD4–peridinin-chlorophyll-protein complex (SK3), IFN-γ–V450 (B27; both from BD Biosciences, San Jose, Calif), CD8-phycoerythrin (RPA-T8), CD8–APC-Cy7 (SK1), IL-17A–Alexa Fluor 488 (N49-653; all from BD PharMingen, San Jose, Calif), IL-4–phycoerythrin (3010.211, BD FastImmune), IL-22–allophycocyanin (142928), CD54–fluorescein isothiocyanate (BBIG-I1; both from R&D Systems, Minneapolis, Minn), HLA-DR–allophycocyanin (LN3), and HLA A-B-C–fluorescein isothiocyanate (W6/32; both from eBioscience, San Diego, Calif). For cell culture, stimulation, and blocking experiments, the following recombinant cytokines and antibodies were used: IL-2 (Novartis, Basel, Switzerland), IL-22 and IFN-γ (R&D Systems), purified anti-CD3 (UCHT1) and anti-CD28 (CD28.2; both from BD Bioscience), anti–IFN-γR1 (MAB6732), anti–IL-22Rα1 (AF2770), mouse IgG_1 (MAB002), and polyclonal goat IgG (AB-108-C; all from R&D Systems).

Isolation and expansion of lung-derived T cells

Lung biopsy specimens of asthmatic patients were cultured in complete RPMI 1640 supplemented with 100 U/mL penicillin, 100 mg/mL streptomycin (all from Invitrogen, Carlsbad, Calif), 5% human serum (Sigma, St Louis, Mo), and 20 U of IL-2/mL (Novartis). Emigrating cells were expanded by means of anti-CD3/anti-CD28 stimulation. After 10 to 13 days, T-cell lines were collected and characterized by using flow cytometry.

Flow cytometric analysis

Surface and intracellular cytokine staining were performed with the Cytofix/Cytoperm kit (BD Biosciences), according to the manufacturer's instructions. Acquisition and analysis were performed with the FACSCanto II (BD Biosciences).

Human bronchial epithelial cell culture and stimulation

Primary human bronchial epithelial cells derived from 3 healthy subjects (NHBE cells) and 3 asthmatic patients (DHBE cells) were purchased from Lonza (Basel, Switzerland). Bronchial epithelial cells were cultured in complete human bronchial epithelial cells (BEGM, Lonza). Cells of the first, second, and third passages were used in experiments. Confluent and subconfluent epithelial cells were stimulated with recombinant 50 ng/mL IL-22 and 10 ng/mL IFN-γ in growth factor–free BEBM (Lonza). After 36 hours of stimulation, flow cytometric staining of MHC-I (HLA-A, B, C), MHC-II (HLA-DR), and CD54 (ICAM-1) were performed. Supernatants were collected after 48 hours of stimulation, and the content of CCL5/RANTES was analyzed by using ELISA (R&D Systems).

Whole-genome microarray analysis and real-time PCR

The total RNA sample was amplified and Cy3 labeled by using the 1-color Low Input Quick Amp Labeling Kit, according to the manufacturer's protocol. Hybridization to SurePrint G3 Human Gene Expression 8x60K Microarrays was performed by using the Gene Expression Hybridization Kit. Differential gene expression was analyzed with the Genespring Software GX 11.0 (Agilent Technologies, Santa Clara, Calif). Genes regulated more than 2-fold change were further analyzed by using the paired Student *t* test and filtered for *P* value ($P \leq .05$). The primers listed in Table E1 in this article's Online Repository at www.jacionline.org were used in real-time PCR to validate the microarray data.

Wound repair assay

Confluent monolayers of NHBE cells and DHBE cells were scratched with the tip of a pipette to create a uniform cell-free zone in each well. Wounded monolayers were then incubated with IL-22 (50 ng/mL) alone or in combination with IFN-γ (10 ng/mL). BEBM basal medium represented the negative

control. In some experiments blocking anti–IFN-γ receptor 1 and the relative isotype control were added to the cultures. Closure of the wounded area was monitored microscopically at 0 hours and 16 hours after stimulation and recorded with a digital camera. The residual gap between migrating cells was measured with a computer-assisted image analysis system (AxioVision 4.5; Carl Zeiss, Oberkochen, Germany) and expressed as a percentage of the initial scratched area.

T cell–mediated cytotoxicity experiments

The cytotoxicity assay was performed with the cytotoxicity detection kit LDH, according to the manufacturer's instructions (Roche, Mannheim, Germany). Briefly, NHBE cells were seeded in flat-bottom 96-well plates in complete BEGM. Confluent NHBE cells were washed with PBS and stimulated with recombinant cytokines (10 ng/mL IFN-γ and 50 ng/mL IL-22) in basal BEBM. After 36 hours, NHBE cells were extensively washed and cocultured for 6 hours with heterologous $CD8^+$ and $CD4^+$ cells and isolated with the $CD8^+$ and $CD4^+$ T-cell isolation kit (Miltenyi Biotech, Bergisch Gladbach, Germany), respectively.

Immunohistochemistry

Lung biopsy specimens of asthmatic (n = 6) and healthy (n = 3) donors were paraffin embedded. Five-micrometer sections were dewaxed in xylene and ethanol and boiled in Tris-EDTA buffer (pH 9.0) at 96°C. After quenching endogenous peroxidase, the slides were incubated in PBS containing 1% BSA and subsequently incubated with anti-human IL-22 rabbit polyclonal or polyclonal rabbit IgG (both from Novus Biologicals, Littleton, Colo). The staining was developed with the avidin-biotin-immunoperoxidase system (Vector Laboratories, Burlingame, Calif), followed by counterstaining with hematoxylin.

BALF

BALF collected from asthmatic (n = 22) and healthy (n = 8) donors was concentrated 50- to 70-fold by using the Amicon Centripep Ulatracel-3K Centrifugal Filter Devise (Millipore, Temecula, Calif). ELISA (R&D Systems) and 27 multiplex analysis (Bio-Rad Laboratories, Hercules, Calif) were performed to measure cytokine and chemokine content. The results were corrected for concentration factor and thus represent the unconcentrated content of proteins in BALF (Table I).

Statistical analysis

Mann-Whitney *U* analysis and 1-way ANOVA with the Bonferroni multiple comparison test were used to determine significant differences between groups. The Spearman test was used to evaluate correlations (Prism 5; GraphPad Software, La Jolla, Calif). Data are expressed as means ± SEMs. Statistically significant differences were defined as *P* values of less than .05, less than .01, and less than .001.

TABLE I. Study subjects' characteristics

	Healthy control subjects	Asthmatic patients
Sex (F/M)	5/6	14/14
Age (y)	28.6 ± 11.7	44.6 ± 12.5
Duration of asthma (y)	NA	32.9 ± 19
FEV_1 (% predicted)	94.8 ± 8.1	74.6 ± 13.7†
FEV_1/FVC ratio (%)	79.3 ± 5.4	68.9 ± 10.4
Bronchodilator response§	NA	14.4 ± 12.7
BDP equivalent (μg/d)	NA	1373 ± 640
Atopy	NA	24/28
Total IgE (IU)	NA	423 ± 139
Smokers	0/11	0/28
BALF: total cell count (× 10^6)	9.33 ± 6	6.39 ± 2.65
Macrophages (%)	98.8 ± 1.1	90.82 ± 11.7
Lymphocytes (%)	0.46 ± 0.64	5.41 ± 11.04
Eosinophils (%)	0.04 ± 0.1	1.25 ± 1.94
IFN-γ (pg/mL)	0.92 ± 0.18	1.82 ± 1.48
IL-4 (pg/mL)	0.058 ± 0.019	0.076 ± 0.036
IL-5 (pg/mL)	0.0059 ± 0.011	0.080 ± 0.09*
IL-13 (pg/mL)	0.1162 ± 0.040	0.1594 ± 0.0086
IL-17 (pg/mL)	0.279 ± 0.3285	0.7564 ± 0.4612‡
IL-22 (pg/mL)	0.159 ± 0.17	0.709 ± 1.104*

Values represent means ± SDs.
BAL, Bronchoalveolar lavage; *BDP*, beclomethasone dipropionate; *F*, female; *FVC*, forced vital capacity; *M*, male; *NA*, not applicable.
*$P < .05$, †$P < .01$, and ‡$P < .001$ compared with healthy subjects.
§Measured as percentage increase in FEV_1 after 400 mg of aerosolized albuterol.

RESULTS

T cells from lung biopsy specimens of asthmatic patients display distinct IL-22–producing T-cell subsets

T-cell lines were generated from lung biopsy specimens of asthmatic patients and analyzed by using multicolor flow cytometric staining to characterize IL-22–producing T cells in asthmatic patients. On ionomycin/phorbol 12-myristate 13-acetate stimulation, the majority of lung-derived T cells produced IFN-γ (Fig 1, *A* and *B*). The frequency of $IL\text{-}22^+$ cells was comparable with that of $IL\text{-}17^+$ and $IL\text{-}4^+$ infiltrating T cells (Fig 1, *A* and *B*, and see Fig E1 in this article's Online Repository at www.jacionline.org). Only a minority of total lung $IL\text{-}22^+$ T cells coexpressed IL-17, confirming that IL-22 and IL-17 are weakly associated in human tissues (Fig 1, *A*). The majority of the IL-22–producing T cells belonged to the $CD4^+$ subset (Fig 1, *C*), whereas $CD8^+IL\text{-}22^+$ cells represented a minor population (Fig 1, *F*). Among the $IL\text{-}22^+$ lung T cells, 4 $CD4^+$ T-cell subsets were identified on the basis of their cytokine profile: $T_H1/IL\text{-}22^+$, T_H17, $T_H0/IL\text{-}22^+$, and T_H22 cells (Fig 1, *D*). $T_H1/IL\text{-}22^+$ cells were the major IL-22–producing T-cell subset, indicating that during asthma, IL-22 can be cosecreted commonly with IFN-γ (Fig 1, *D* and *E*). The frequency of T_H22 cells ranged between 10% to 15% of the total $IL\text{-}22^+$ population, suggesting that T_H22 is not a skin-restricted T-cell subset (Fig 1, *D* and *E*). Among $CD8^+IL\text{-}22^+$ cells, $T_C1/IL\text{-}22$ cells were most frequent, whereas T_C22 and T_C17 cells were rarely detected (Fig 1, *G*). $CD8^+IL\text{-}22^+$ cells were almost exclusively producing IFN-γ alone or together with IL-17 (Fig 1, *G* and *H*). Together, these data suggest that T cells produce IL-22 alone or in combination with IFN-γ in patients with chronic lung inflammation.

IL-22 and IFN-γ mediate reciprocal antagonistic effects on primary bronchial human epithelial cells

To understand the potential pathologic mechanism of IL-22 and IFN-γ cosecretion in the context of airway inflammation, we investigated the gene expression profile of primary human bronchial epithelial cells (NHBE cells) exposed to either IL-22 or IFN-γ alone or in combination.

Genes regulated more than 2-fold compared with untreated cells were hierarchically clustered (Fig 2, *A-C*) and filtered for *P* value ($P \leq .05$). Hierarchic gene expression analysis highlighted clusters of antagonism between IL-22 and IFN-γ (Fig 2, *A-C*). IL-22 was antagonizing genes regulated by IFN-γ (Fig 2, B, and see Tables E10 and E11 in this article's Online

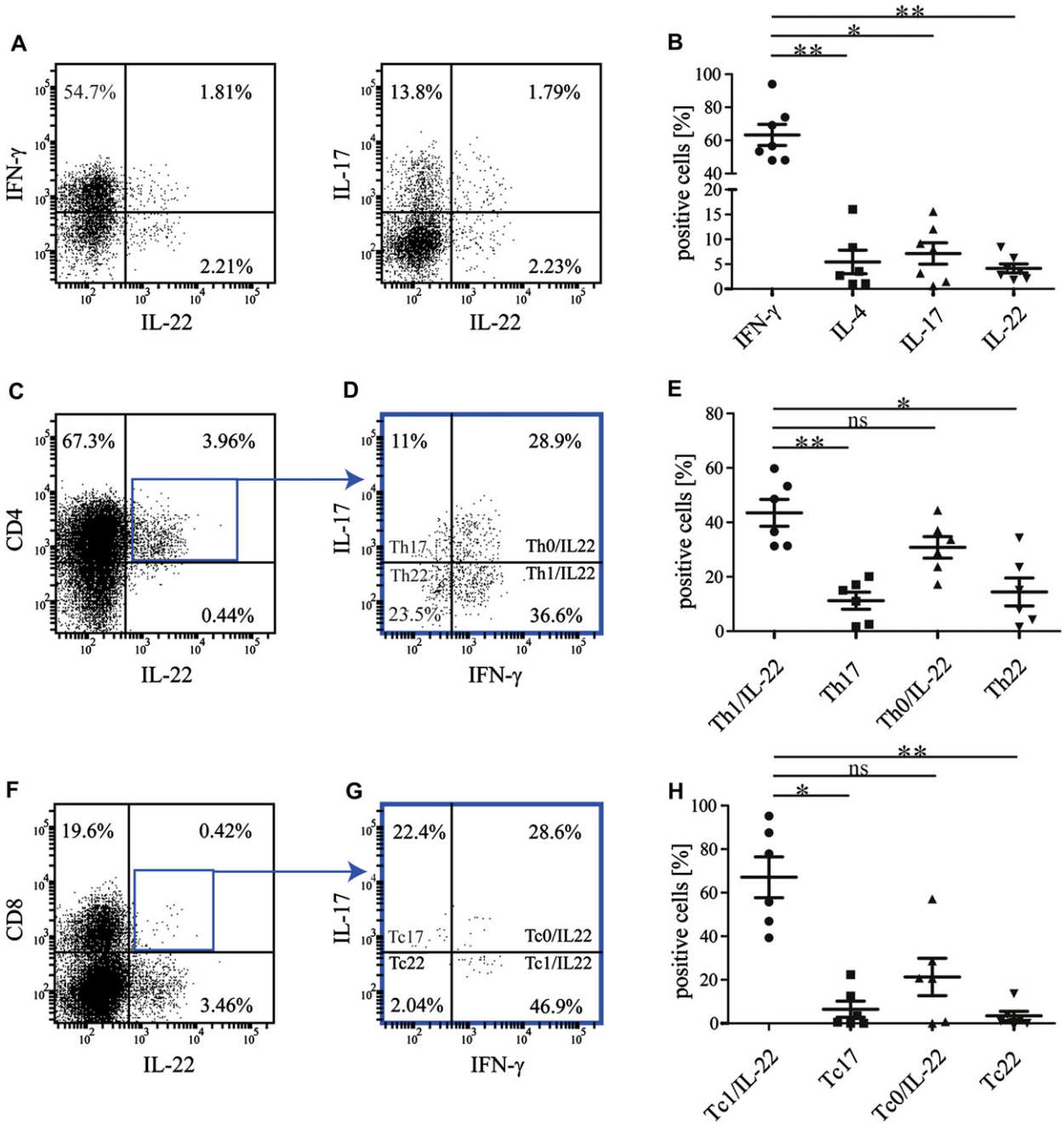

FIG 1. Distinct IL-22–producing T-cell subsets infiltrate the lungs of asthmatic patients. **A, C,** and **F,** Lung-derived T cells showing IL-22 expression in IFN-γ^+ and IL-17^+ (Fig 1, *A*), $CD4^+$ (Fig 1, *C*), and $CD8^+$ (Fig 1, *F*) infiltrating T cells. **B,** Total IFN-γ–, IL-17–, IL-4–, and IL-22–expressing T cells. **D,** Relative distribution of the T_H22, T_H17, T_H1/IL-22, and T_H0/IL-22 subsets. **G,** Relative distribution of the T_C22, T_C17, T_C1/IL-22, and T_C0/IL-22 subsets. **E** and **H,** Summary of values of the IL-22^+ subsets in 6 asthmatic patients. $^*P < .05$ and $^{**}P < .01$. *ns,* Not significant. *Error bars* represent means ± SEMs.

Repository at www.jacionline.org), and conversely, IFN-γ inhibited IL-22–regulated genes (Fig 2, *C*, and see Tables E8 and E9 in this article's Online Repository at www.jacionline.org). IFN-γ treatment induced 2920 genes in NHBE cells compared with untreated cells (see Tables E4 and E5 in this article's Online Repository at www.jacionline.org). Among those genes, many proinflammatory mediators were upregulated, such as the T_H1 chemoattractants CXCL10, CXCL9, and CXCL11 and the eosinophil-recruiting chemokines, CCL5, CCL2, CCL7, and CCL8, thus supporting the propagation of inflammation (see Table E4). In contrast, IL-22 significantly regulated only 118 genes (see Tables E2 and E3 in this article's Online Repository at www.jacionline.org). Consistent with its role in host defense, IL-22 specifically induced the antimicrobial peptide psoriasin (S100A7) in NHBE cells. Furthermore, IL-22 modulated several genes involved in cell survival and remodeling, such as *SERPINB3* and *SERPINB4* involved in mucin secretion and cell survival,[27,28] *VWA1* involved in matrix deposition,[29,30]

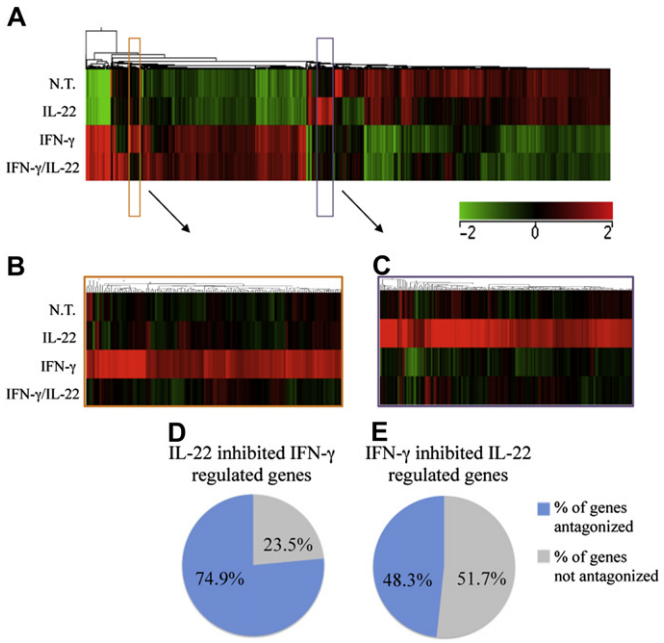

FIG 2. Antagonistic gene regulation in primary human bronchial epithelial cells by IL-22 and IFN-γ. **A,** Hierarchic clustering analysis of genes regulated at least 2-fold induction compared with untreated *(N.T.)*. **B** and **C,** Representative cluster of IFN-γ–induced genes suppressed by IL-22 (Fig 2, *B*) and IL-22–induced genes suppressed by IFN-γ (Fig 2, *C*). **D** and **E,** Percentage of the number of IFN-γ–regulated genes significantly antagonized by IL-22 (Fig 2, *D*) and IL-22–regulated genes significantly antagonized by IFN-γ (Fig 2, *E*). *$P \leq .05$.

Asprv1 involved in skin regeneration,[31] and the transcription factor *NFE2* involved in cell maturation[32] (see Fig E2 in this article's Online Repository at www.jacionline.org). The IFN-γ/IL-22 combination regulated 2623 genes compared with untreated cells (see Tables E6 and E7 in this article's Online Repository at www.jacionline.org). Consistent with antagonistic features, IFN-γ inhibited the expression of both host defense and remodeling genes regulated by IL-22 (see Fig E2 and Tables E8 and E9), whereas IL-22 inhibited most of the proinflammatory IFN-γ–regulated genes, such as chemokines and HLA molecules (see Fig E3 and Tables E10 and E11 in this article's Online Repository at www.jacionline.org).

Among the genes significantly regulated, IFN-γ inhibited 57 (48.3%) of 118 genes regulated by IL-22 (Fig 2, *E*), whereas IL-22 inhibited 2203 (74.9%) (Fig 2, *D*) of 2920 genes modulated by IFN-γ (Fig 2, *B-D*, and see Figs E2 and E3).

Taken together, these data suggest that IL-22 and IFN-γ can act antagonistically on bronchial epithelium.

IFN-γ inhibits IL-22–mediated *in vitro* wound healing

To evaluate the functional consequence of the IFN-γ/IL-22 antagonism, we investigated the effect of IFN-γ on IL-22–mediated wound closure in an *in vitro* wound-healing model performed on both NHBE and DHBE primary epithelial cells. IL-22 but not IFN-γ significantly enhanced epithelial migration. In line with the antagonism of both cytokines, IL-22–induced wound healing was impaired by IFN-γ in bronchial epithelial cells from both healthy and asthmatic subjects (Fig 3 and see Fig E4 in this article's Online Repository at www.jacionline.org). The IFN-γ effect was reversed by blocking the IFN-γ receptor (see Fig E5 in this article's Online Repository at www.jacionline.org).

These results confirm that IL-22 induces epithelial migration and suggest that when coproduced with IFN-γ, IL-22 functions might be inhibited.

IL-22 impairs proinflammatory activities of IFN-γ

On IFN-γ exposure, epithelial cells upregulate a plethora of proinflammatory cytokines, chemokines, and adhesion molecules that promote recruitment of immune cells and T cell–mediated damage.[9] IFN-γ induced many proinflammatory mediators in primary bronchial epithelial cells (see Table E4). Consistent with the antagonistic activities of IL-22 on IFN-γ, IL-22 diminished the induction of HLA haplotypes, CD54/ICAM-1, and the chemokines CXCL10, CXCL9, CXCL2, CXCL17, CXCL16, CXCL11, CCL8, CCL5, CCL7, and CCL2 by IFN-γ in the microarray assay. Confirming observations at the level of gene expression, IL-22 inhibited the IFN-γ–mediated expression of CCL5/RANTES at the protein level (Fig 4, *A*). To confirm the MHC-I and MHC-II regulation observed in the microarray, we performed flow cytometric analysis of ICAM-1 (Fig 4, *C*), the MHC-II haplotype HLA-DR (Fig 4, *B*), and the MHC-I haplotypes HLA-A, HLA-B, and HLA-C (Fig 4, *D*). Consistently, IL-22 suppressed the IFN-γ–mediated induction of MHC-I (Fig 4, *D*), MHC-II (Fig 4, *B*), and ICAM-1 (Fig 4, *C*) on the surface of both NHBE and DHBE cells (see Fig E4). The IL-22 inhibitory effects were reverted by blocking IL-22R (see Fig E6 in this article's Online Repository at www.jacionline.org).

Taken together, these data suggest that IL-22 suppresses IFN-γ–mediated inflammation.

Inhibition of IFN-γ–mediated MHC-I expression leads to a reduced CD8-dependent cytotoxicity

MHC-I, MHC-II, and CD54/ICAM-1 upregulation on epithelial cells enables CD8- and CD4-mediated cytotoxicity.[8,9] To investigate the functional consequences of the IL-22–mediated inhibition of MHC-I and MHC-II upregulation, we measured the T cell–mediated cytotoxicity. Untreated epithelial cells were slightly prone to CD4- and CD8-mediated cytotoxicity, whereas IFN-γ–treated epithelial cells upregulated MHC-I and MHC-II and became highly susceptible to T cell–mediated cytotoxicity. Treatment of primary epithelial cells with the combination of IFN-γ and IL-22 greatly reduced CD8-mediated cytotoxicity compared with IFN-γ–treated NHBE cells (Fig 4, *F*). A similar but not significant tendency was observed for $CD4^+$-mediated cytotoxicity (Fig 4, *E*).

Together, these results suggest that by impairing IFN-γ–mediated expression of MHC-I, MHC-II, and ICAM-1 molecules, IL-22 can protect the lung epithelium from T cell–mediated damage.

IL-22 expression inversely correlates with IFN-γ–dependent proinflammatory mediators *in vivo*

To investigate the expression and *in vivo* relevance of IL-22–mediated suppression of IFN-γ, we performed immunohistochemical staining of sections from lung biopsy specimens from healthy and asthmatic subjects and measurement of BALF content (Table I). Immunohistochemistry showed IL-22–producing cells infiltrating

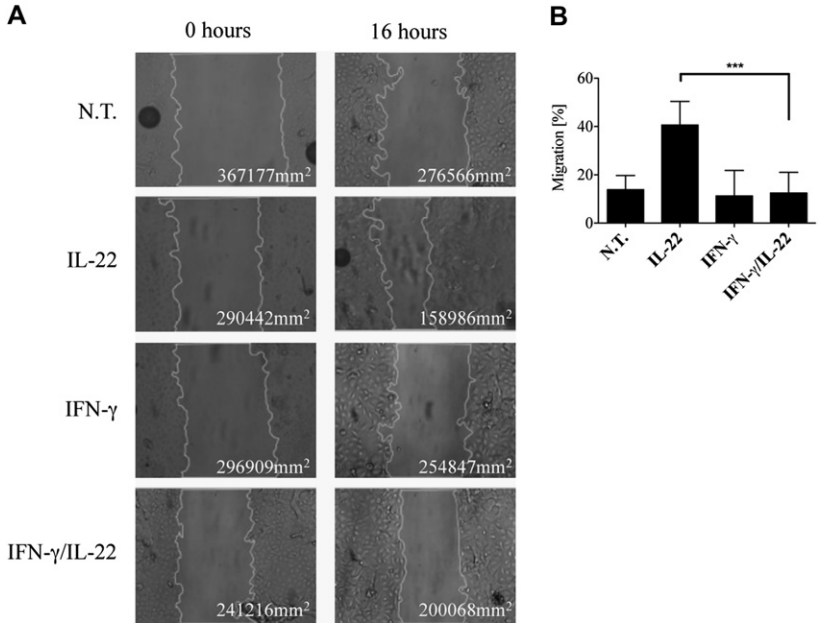

FIG 3. IFN-γ suppresses IL-22–induced wound healing in a functional *in vitro* injury model. **A,** Representative wound-healing experiment. **B,** Data from 6 independent experiments are shown. ***$P < .001$. *Error bars* represent means ± SEMs. *N.T.*, Untreated.

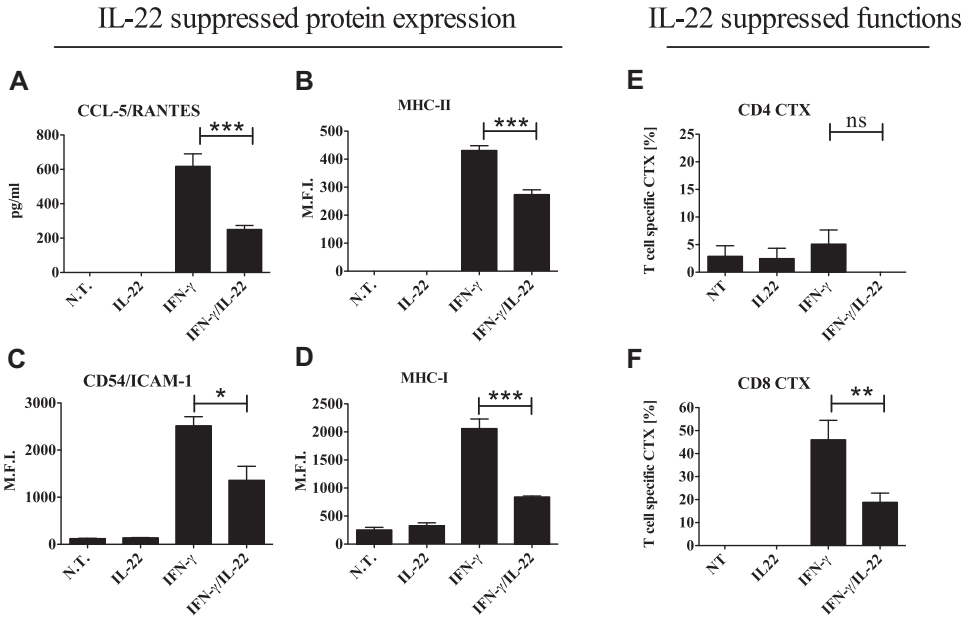

FIG 4. IL-22 suppresses IFN-γ–induced molecules and CD8-meditated cytotoxicity. Primary epithelial cells were treated with recombinant cytokines. **A,** CCL5/RANTES secretion. **B-D,** MHC-II (Fig 4, *B*), CD54/ICAM-1 (Fig 4, *C*), and MHC-I (Fig 4, *D*) expression shown as mean florescence intensity *(MFI)*. **E** and **F,** After 36 hours of stimulation, NHBE cells were cocultured with heterologous $CD8^+$ and $CD4^+$ cells, and specific cytotoxicity *(CTX)* was evaluated. *Error bars* indicate SEMs. *$P \leq .05$, **$P \leq .01$, and ***$P \leq .001$. *ns*, Not significant.

the epithelium of the bronchial mucosa in asthmatic patients, whereas few IL-22^+ cells were detected in healthy subjects (Fig 5, *A*). Because cytokines are normally undetectable in neat BALF of asthmatic patients, we measured cytokine levels in concentrated BALF. We corrected the values for concentration factor and expressed them as representative of the unconcentrated BALF. The expression of IL-22 was increased in BALF of asthmatic patients compared with that of healthy control subjects (Fig 5, *B*). To evaluate whether IL-22 might have a suppressive effect on IFN-γ–mediated inflammation *in vivo*, we examined whether there was a correlation between the IL-22/IFN-γ ratio and the content of the IFN-γ–inducible chemokines CXCL10/IP-10 and

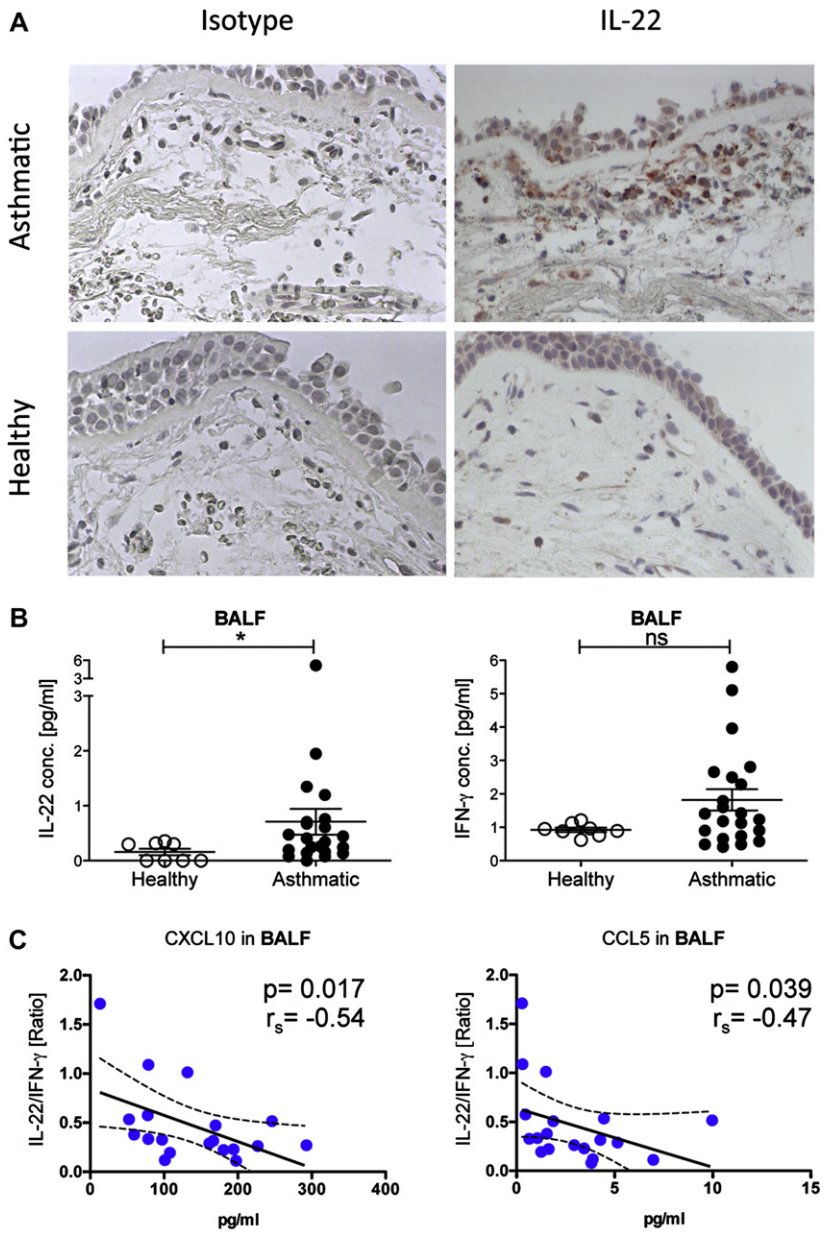

FIG 5. IL-22/IFN-γ ratio inversely correlates with CXCL10/IP-10 and CCL5/RANTES levels in BALF. **A,** Representative IL-22 immunohistochemistry staining with relative controls of an asthmatic and healthy lung biopsy specimen. **B,** IL-22 and IFN-γ expression in BALF. **C,** Correlation between the IL-22/IFN-γ ratio and CXCL10 (IP-10) and CCL5 (RANTES) content in BALF. Correlation was measured with the Spearman rank correlation test *(r_s)*. The Mann-Whitney test was performed to compare the groups of asthmatic and healthy donors. *Error bars* indicate SEMs. $*P \leq .05$, $**P \leq .01$, and $***P \leq .001$. *ns,* Not significant.

CCL5/RANTES (Fig 5, *C*). In line with the *in vitro* data, the IL-22/IFN-γ ratio but not other ratios investigated inversely correlated with the expression of CXCL10/IP-10 and CCL5/RANTES. Taken together, these results suggest that an IL-22–dominated environment might suppress the IFN-γ–mediated inflammation *in vivo*.

DISCUSSION

The current study identifies a regulatory role for IL-22 in the context of IFN-γ–mediated inflammation. We demonstrated that IL-22 and IFN-γ mediate antagonistic effects in lung epithelial cells. These antagonisms become manifest in impaired protective and remodeling activities of IL-22, as well as in dampened IFN-γ–mediated upregulation of proinflammatory molecules. To our knowledge, IL-22 is the first T-cell cytokine described to inhibit IFN-γ–mediated proinflammatory effects on human primary epithelial cells.

In murine models IL-22 shows either proinflammatory or anti-inflammatory properties. Consistently, 2 reports in animal models of lung inflammation conclude that IL-22 can act as an anti-inflammatory cytokine in the absence of IL-17, whereas in the presence of IL-17, IL-22 contributes to the recruitment of

inflammatory cells.[24,25] However, both reports lack a mechanistic explanation for this finding.

We find that T cells infiltrating the lungs of asthmatic patients are a source of IL-22. Both $CD4^+$ and $CD8^+$ cells produce IL-22. Similar to reports studying the skin,[13] different subsets of IL-22–producing T cells were detected. As expected, IL-22 was produced by some T_H17 cells but primarily by T_H1 cells. An additional source of IL-22 in the lung is the recently described T_H22 subset. T_H22 cells were originally described in the skin on the basis of their expression of CCR10, CCR6, and CCR4.[14] However, this chemokine receptor repertoire is also adequate for migration of T cells to the lung.[33] Thus T_H22 seems to be a tissue-restricted rather than a skin-restricted T-cell subset.

In line with previous reports, IL-22 induces antimicrobial peptides in airway epithelial cells, epithelial migration, and genes involved in mucin secretion and matrix deposition.[23] IFN-γ antagonized the majority of IL-22–mediated effects. In fact, antifibrotic properties were previously assigned to IFN-γ, such as inhibition of collagen synthesis, cell-cycle arrest, induction of apoptosis, and activation of natural killer cell cytotoxicity.[34] The role of IL-22 in this context remains to be investigated.

The current study demonstrates that IL-22 impairs IFN-γ–induced chemokine release in airway epithelial cells, which confirms previous studies showing that exogenous IL-22 administration in a mouse model of lung fibrosis reduces inflammation through inhibition of CXCL9, CXCL10, and CXCL11 expression.[35] Consistently, it was shown that administration of IL-22 in an OVA mouse model of asthma impaired the secretion of CCL11 and CCL5 and consecutive eosinophil infiltration.[25] Thus IL-22 antagonism of IFN-γ might explain the anti-inflammatory effects of IL-22 in mice and human subjects.

Interestingly, the IL-22/IFN-γ antagonism only partially affects the innate related molecules. In fact, molecules such as Toll-like receptors 2 and 3 induced by IFN-γ on epithelial cells (see Table E4) were not inhibited by IL-22. This observation suggests that the interplay between IFN-γ and IL-22 results in a different rather than diminished response to microbial invasion compared with the effects of the single cytokines.

Notably, IL-22 is the first T-cell cytokine that diminishes IFN-γ–induced expression of MHC-I and MHC-II on primary epithelial cells and reduces CD8-mediated cytotoxicity. This finding is consistent with reports showing that IL-22 is an effective cytokine for the clearance of extracellular, but not intracellular, pathogens in which MHC-I recognition by $CD8^+$ cells is critical.[23,36,37] In fact, it was previously demonstrated that lower lung viral titers were observed after treatment with anti–IL-22 in a mouse model of influenza virus, and this suggests that IL-22 might promote influenza virus replication.[38]

Viruses play an important role in asthma exacerbation and are implicated in the development of chronic asthma.[39,40] In this context IL-22 might have a Janus-faced role: on the one hand, IL-22 can protect the lung from an excessive IFN-γ–mediated inflammation, and on the other hand, it might be involved in the propagation, perpetuation, or both of virus-mediated asthma or unwanted remodeling of the airway structure.

IFN-γ–mediated inflammation and MHC-I recognition are of critical relevance in several medical fields, such as tumor immunology, transplantation immunology, autoimmunity, and intracellular infectious diseases. Further studies are needed to clarify the role of IL-22 in MHC-I–dependent diseases and to further investigate its role in pathogen-dependent aggravation of inflammation.

The present report links the murine evidence to human data and investigates in detail how and in what context IL-22 might act as an anti-inflammatory cytokine.

In summary, IL-22 might control the extent of IFN-γ–mediated lung inflammation and therefore plays a regulatory role in tissue inflammation. These results raise possibilities for new therapies using recombinant IL-22 to limit tissue inflammation and anti–IL-22 to enhance IFN-γ–mediated tissue immunity.

We thank Gaby Pleyl-Wisgickl and Juliette Kranz for excellent technical assistance.

Key messages

- **T_H22 cells infiltrate the lung during asthma.**
- **IL-22 and IFN-γ exert tissue-restricted antagonistic functions in the lung.**
- **IL-22 protects the epithelium from T cell–mediated cytotoxicity by reducing the IFN-γ–induced MHC-I and MHC-II expression on bronchial epithelial cells.**
- **IL-22 might limit tissue inflammation, whereas anti–IL-22 might enhance IFN-γ–mediated tissue immunity.**

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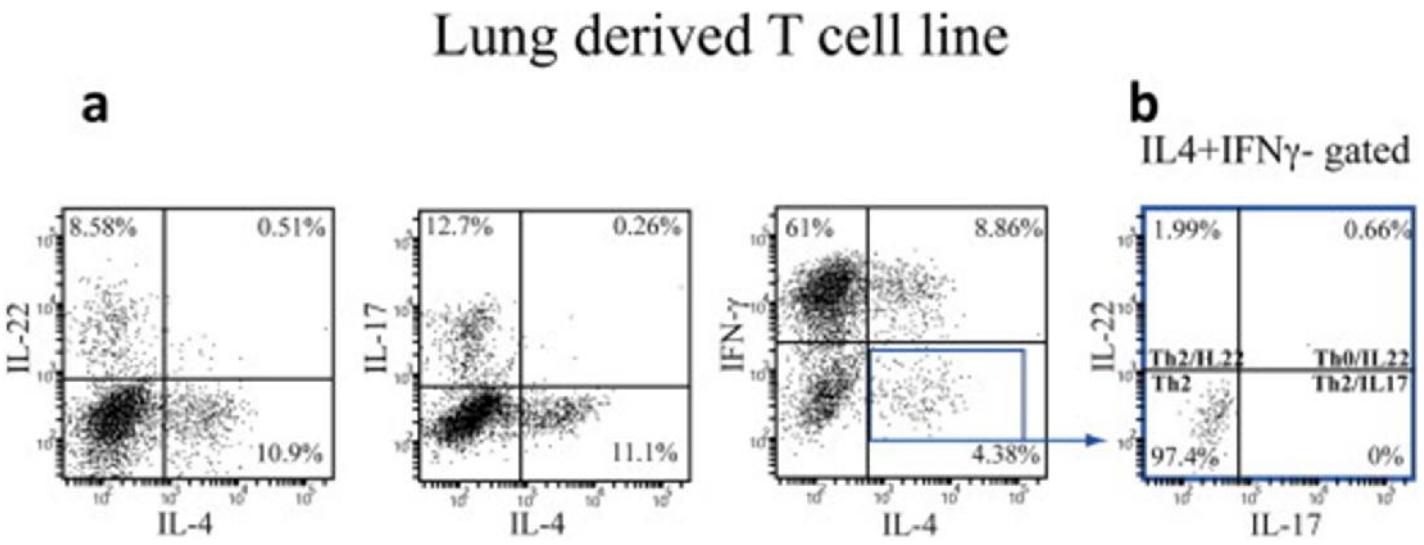

Fig E1

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IL-22 suppresses IFN-??mediated lung inflammation in asthmatic patients

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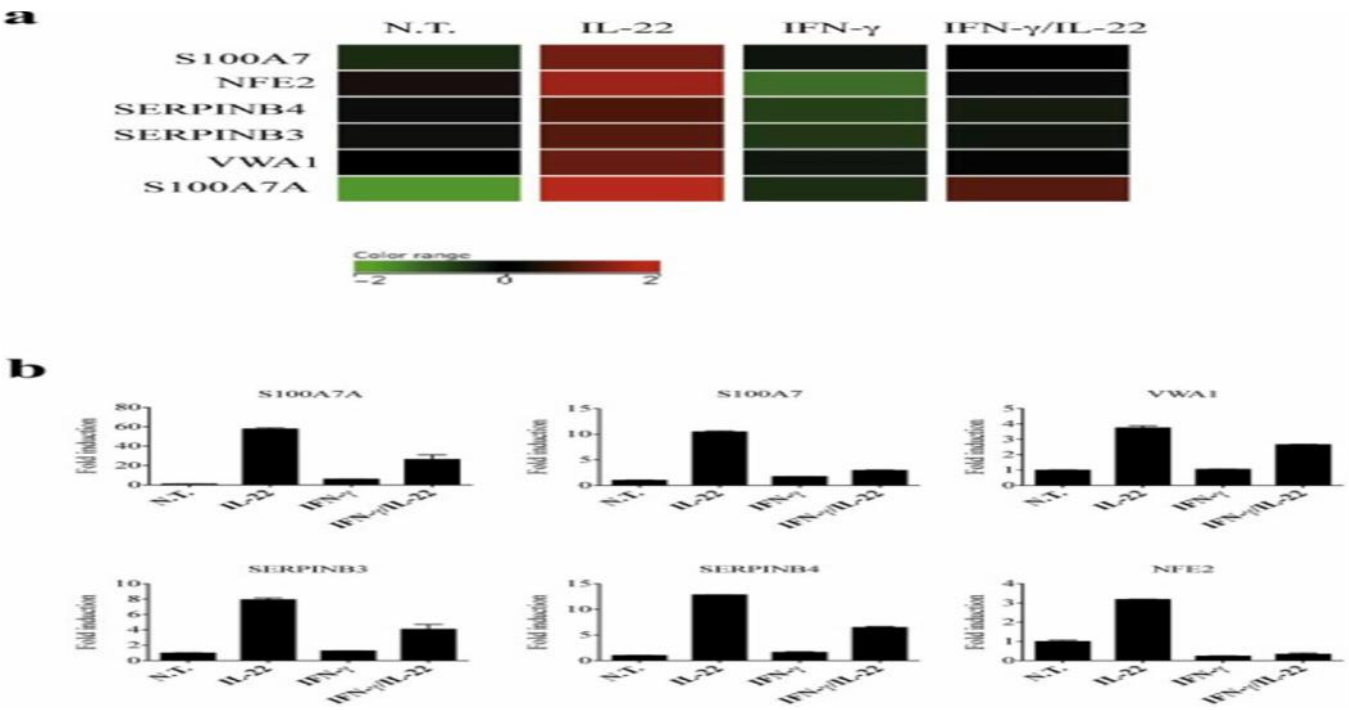

Fig E2

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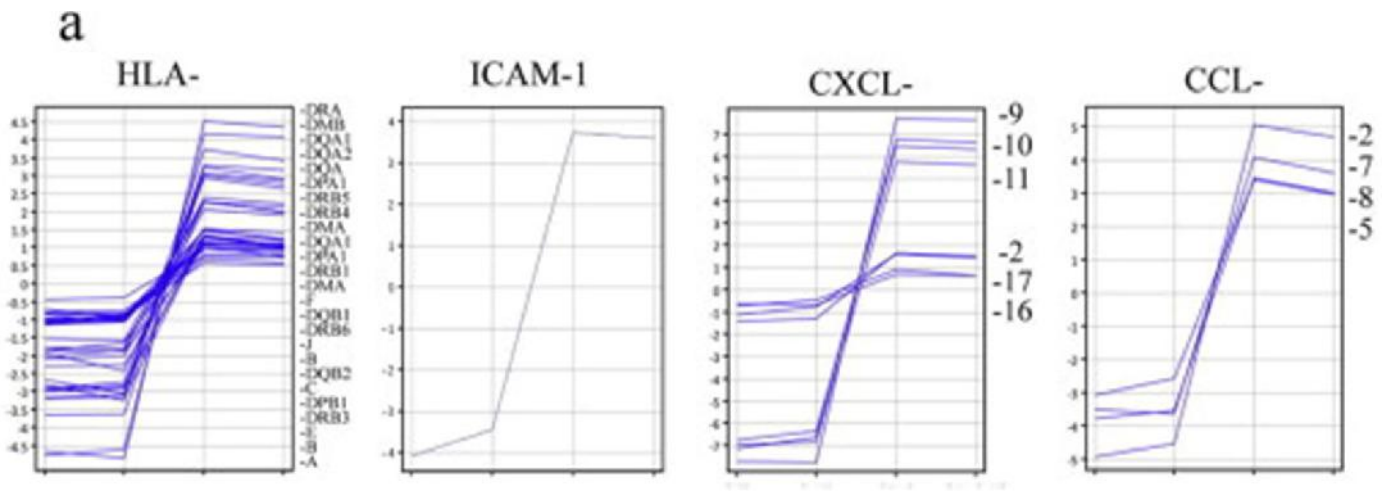

Fig E3

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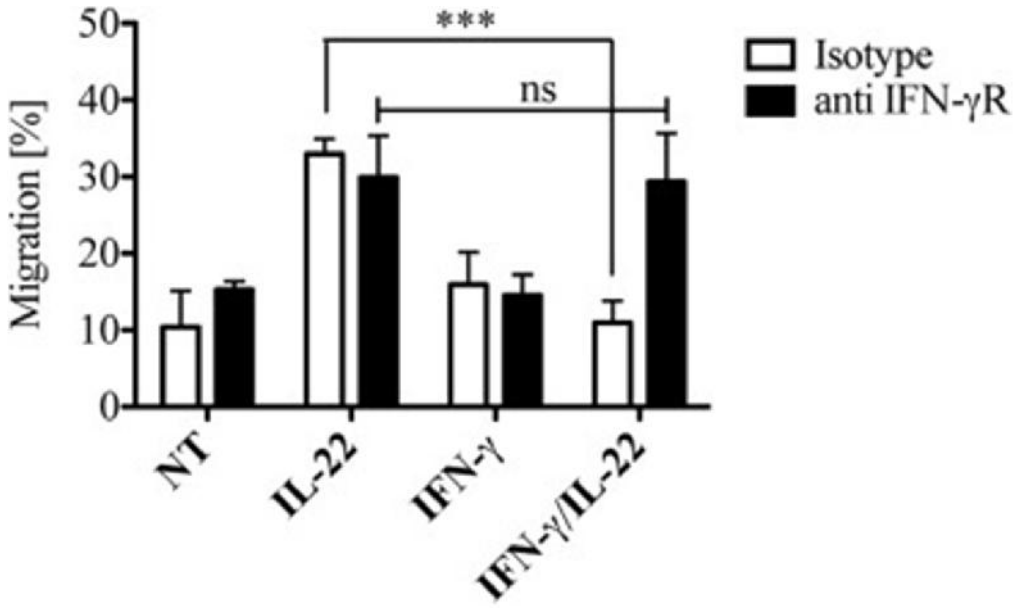

Fig E5

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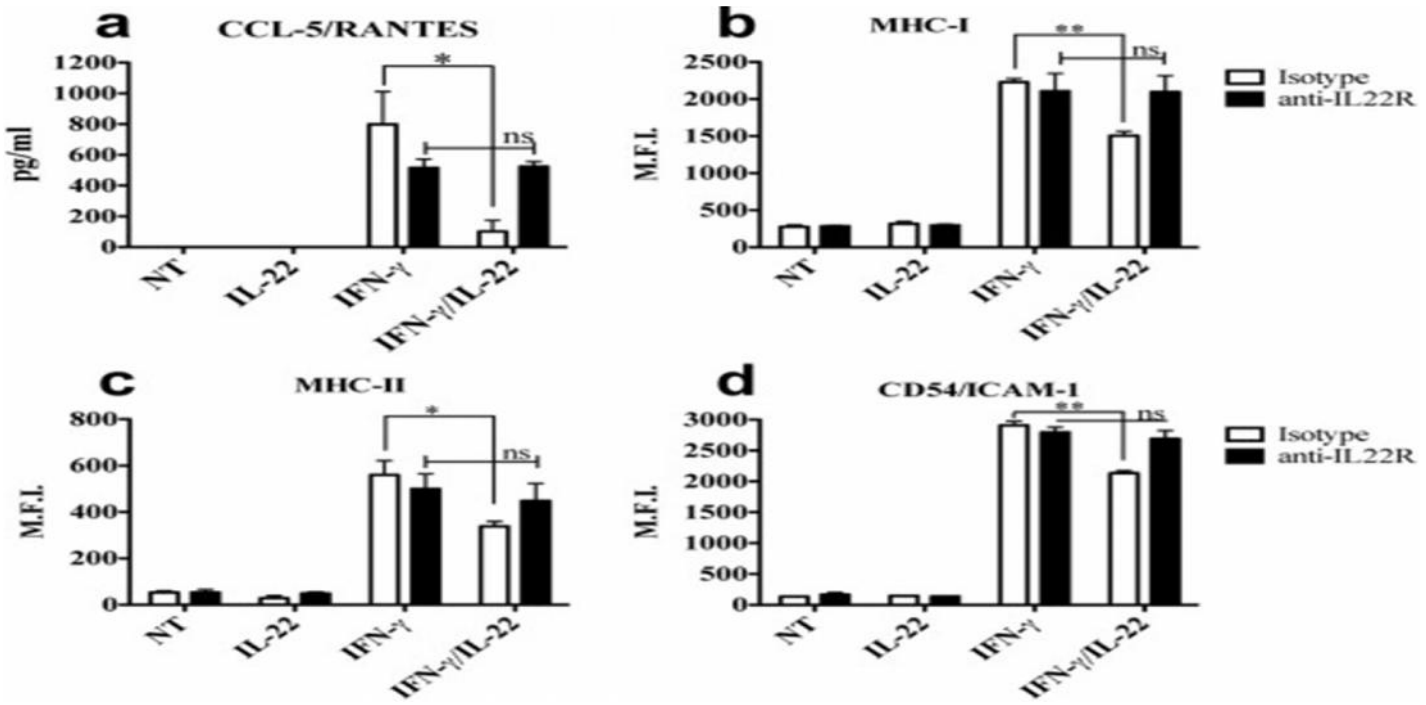

Fig E6

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IL-22 suppresses IFN-??mediated lung inflammation in asthmatic patients

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http://dx.doi.org/10.1016/j.jaci.2012.09.036

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IL-22 suppresses IFN-¥ mediated lung inflammation in asthma

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Online Repository Figure Legends

Fig E1. Distinct IL-4 producing T cell subsets infiltrate the asthmatic lung. (**a)** Five color intracellular staining of lung derived T cells stimulated for 6 hours with Ionomycin/PMA shows IL-4, IL-22, IFN-γ, and IL-17 expression. (**b**) Analysis of IL-22 and IL-17 within the IL-4+/IFN-γ- population showing the relative distribution of Th2, Th2/IL-22, Th2/IL-17 and Th0/IL-22 subsets.

Fig E2. IFN-γ antagonizes IL-22 gene induction on lung epithelium. (a) Heat map and (b) real time PCR of genes expressed in NHBE cells after 12 hours of stimulation with medium, recombinant IFN-γ, recombinant IL-22 or the combination of both cytokines.

Fig E3. IL-22 inhibits IFN-γ induced genes. Primary human bronchial epithelial cells derived from three healthy donors were stimulated 12 hours with recombinant IFN-γ, IL-22 or the combination of both cytokines. (a) Signal intensity of IFN-γ up-regulated HLA haplotypes, CD54/ICAM-1, and chemokines.

Fig E4. IFN-γ and IL-22 similarly affects both, Healthy (NHBE) and Asthmatic (DHBE) human primary bronchial epithelial cells.(a) CCL5/RANTES secretion. (b) MHC-I (c) CD54/ICAM-1 and (d) MHC-II expression shown as mean florescence intensity (MFI). (e) Epithelial cell migration in the *in vitro* wound healing experiment. Error bars indicate SEM. *$p \leq 0.05$, ** $p \leq 0.01$, *** $p \leq 0.001$.

Fig E5. IFN-γ suppression of IL-22 induced wound healing is reverted by blocking the IFN-γ-R antibody. A gap was induced in confluent primary human bronchial epithelial cells before stimulation with medium alone or recombinant cytokines in presence of blocking IFN-γ-R or Isotype antibodies. Free area was measured at time points 0 and after 16 hours after stimulation. Error bars indicate SEM. *$p \leq 0.05$, ** $p \leq 0.01$, *** $p \leq 0.001$.

Fig E6. IL-22 suppression of IFN-γ induced molecules is reverted by blocking the IL-22R. Primary NHBE cells were treated for 36 hours with recombinant cytokines in presence of blocking IL-22R or Isotype antibodies. (**a**) CCL5/RANTES secretion was measured by ELISA. (**b**) CD54/ICAM-1 (**c**) MHC-II, (**d**) MHC-I expression was determined by flow cytometry and shown as mean fluorescence intensity (MFI). Error bars indicate SEM. *$p \leq 0.05$, ** $p \leq 0.01$, *** $p \leq 0.001$.

Supplementary Table I. Primers list.

SERPINB4
Fw: AGAAGATTAACTCCTGGGTGGA
Rw: AGAACCAGTGTCGTATCATTG
SERPINB3
Fw: AACACCACAGGAAAAGCTGC
Rw: AAGAGCTTGTTGGCGATCTT
VWA1
FW: ATGCAGGAGCTCAAGGACCTG
RW: ACGTGATCTCCGTGGCATGGA
NFE2
FW: GGAACTGACTTGGCAGGAGA
RW: TTGAGCAGGGGCAGTAAGTT
S100A7A
FW: ACCGGACGTGATGGCAAGATTG
RW: TCACTGGCTTCCCCCAGAACA
S100A7
FW: GCT GAC GAT GAT GAA GGA GAA CT
RW: GTA ATT TGT GCC CTT TTT GTC ACA

Supplementary Table E2, IL-22 up-regulated genes

Gene Symbol	Chr	p-value	Fold change (IL-22 *vs* N.T.)	Fold change (IFN-¥ *vs* N.T.)	Fold change (IFN-¥/IL-22 *vs* N.T.)	Description
S100A7A	1	5.71E-03	22.14	2.14	5.77	Homo sapiens S100 calcium binding protein A7A (S100A7A), mRNA [NM_176823]
P2RY6	11	6.34E-05	8.12	17.38	18.61	Homo sapiens pyrimidinergic receptor P2Y, G-protein coupled, 6 (P2RY6), transcript variant 2, mRNA [NM_176798]
DEFB103B	8	5.83E-04	4.22	33.08	30.19	Homo sapiens defensin, beta 103B (DEFB103B), mRNA [NM_018661]
PLAT	8	1.07E-03	3.82	6.19	7.34	Homo sapiens plasminogen activator, tissue (PLAT), transcript variant 1, mRNA [NM_000930]
	3	1.35E-03	3.44	19.02	14.38	PREDICTED: Homo sapiens cytokine receptor CRL2 (LOC100287290), mRNA [XM_002342405]
	2	3.41E-02	3.17	2.86	2.55	lincRNA:chr2:70571096-70619246 reverse strand
S100A7	1	2.88E-02	3.13	1.17	1.54	Homo sapiens S100 calcium binding protein A7 (S100A7), mRNA [NM_002963]
LYNX1	8	1.82E-02	3.07	-1.66	-1.18	Homo sapiens Ly6/neurotoxin 1 (LYNX1), transcript variant 1, mRNA [NM_023946]
ENKUR	10	1.37E-05	3.03	6.80	10.03	Homo sapiens enkurin, TRPC channel interacting protein (ENKUR), mRNA [NM_145010]
H2BFXP	X	2.42E-02	2.84	-1.18	1.07	Homo sapiens H2B histone family, member X, pseudogene (H2BFXP), non-coding RNA [NR_003238]
SOCS3	17	2.08E-04	2.80	17.31	15.69	Homo sapiens suppressor of cytokine signaling 3 (SOCS3), mRNA [NM_003955]

IL17C	16	4.70E-03	2.78	19.36	18.16	Homo sapiens interleukin 17C (IL17C), mRNA [NM_013278]
PDZK1IP1	1	1.30E-03	2.59	6.55	6.52	Homo sapiens PDZK1 interacting protein 1 (PDZK1IP1), mRNA [NM_005764]
	14	5.95E-03	2.58	2.47	3.57	lincRNA:chr14:61528822-61594047 reverse strand
FAM20A	17	4.63E-03	2.57	17.57	16.10	Homo sapiens family with sequence similarity 20, member A (FAM20A), transcript variant 1, mRNA [NM_017565]
NNMT	11	1.18E-05	2.50	72.48	64.56	Homo sapiens nicotinamide N-methyltransferase (NNMT), mRNA [NM_006169]
OVCH2	11	4.93E-02	2.44	-1.30	1.16	Homo sapiens ovochymase 2 (gene/pseudogene) (OVCH2), mRNA [NM_198185]
LOC285965	7	3.57E-02	2.42	3.14	4.41	Homo sapiens hypothetical LOC285965 (LOC285965), non-coding RNA [NR_033897]
XLOC_014105	21	2.64E-02	2.34	-6.03	-5.20	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
	14	3.89E-02	2.29	1.23	1.15	T cell receptor alpha variable 12-1 [Source:HGNC Symbol;Acc:12105] [ENST00000390433]
C1S	12	1.48E-06	2.26	62.99	60.08	Homo sapiens complement component 1, s subcomponent (C1S), transcript variant 2, mRNA [NM_001734]
NFE2	12	1.04E-03	2.22	-2.94	-1.44	Homo sapiens nuclear factor (erythroid-derived 2), 45kDa (NFE2), transcript variant 1, mRNA [NM_006163]
SERPINB3	18	4.50E-02	2.19	-1.30	-1.03	Homo sapiens serpin peptidase inhibitor, clade B (ovalbumin), member 3 (SERPINB3), mRNA [NM_006919]
RNF183	9	2.46E-03	2.18	4.00	3.70	Homo sapiens ring finger protein 183 (RNF183), mRNA [NM_145051]

	1	3.10E-07	2.18	61.93	49.16	lincRNA:chr1:89873237-89890493 forward strand
C9orf148	9	3.30E-04	2.17	11.82	13.27	PREDICTED: Homo sapiens chromosome 9 open reading frame 148 (C9orf148), partial miscRNA [XR_108994]
	21	3.03E-02	2.16	1.04	2.21	PREDICTED: Homo sapiens FLJ45139 protein (FLJ45139), miscRNA [XR_109674]
ZFYVE28	4	7.05E-04	2.12	14.52	11.35	Homo sapiens zinc finger, FYVE domain containing 28 (ZFYVE28), transcript variant 2, mRNA [NM_020972]
VWA1	1	7.52E-03	2.10	-1.24	-1.08	Homo sapiens von Willebrand factor A domain containing 1 (VWA1), transcript variant 1, mRNA [NM_022834]
SERPINB4	18	2.75E-02	2.06	-1.41	-1.12	Homo sapiens serpin peptidase inhibitor, clade B (ovalbumin), member 4 (SERPINB4), mRNA [NM_002974]
CNTN3	3	4.26E-03	2.06	-2.74	-2.02	Homo sapiens contactin 3 (plasmacytoma associated) (CNTN3), mRNA [NM_020872]
	22	1.54E-02	2.04	2.28	2.59	lincRNA:chr22:43389281-43405581 reverse strand
TNFRSF6B	20	6.40E-06	2.04	10.42	12.04	Homo sapiens tumor necrosis factor receptor superfamily, member 6b, decoy (TNFRSF6B), mRNA [NM_003823]
TMC5	16	3.57E-02	2.03	1.70	2.18	Homo sapiens transmembrane channel-like 5 (TMC5), transcript variant 3, mRNA [NM_024780]
CLEC18C	16	1.92E-02	2.02	1.74	3.11	Homo sapiens C-type lectin domain family 18, member C (CLEC18C), mRNA [NM_173619]
LYPD5	19	4.40E-06	2.01	27.68	25.43	Homo sapiens LY6/PLAUR domain containing 5 (LYPD5), transcript variant B, mRNA [NM_182573]

Supplementary Table E3, IL-22 down-regulated genes

Gene	Chr	p-value	Fold change (IL-22 *vs* N.T.)	Fold change (IFN-¥ *vs* N.T.)	Fold change (IFN-¥/IL-22 *vs* N.T.)	Description
KCNAB2	1	4.24E-02	-9.04	-10.60	-8.21	Homo sapiens potassium voltage-gated channel, shaker-related subfamily, beta member 2 (KCNAB2), transcript variant 1, mRNA [NM_003636]
CLDN17	21	6.99E-03	-6.68	-8.65	-13.97	Homo sapiens claudin 17 (CLDN17), mRNA [NM_012131]
RPTN	1	7.68E-04	-5.60	-5.90	-25.06	Homo sapiens repetin (RPTN), mRNA [NM_001122965]
	9	4.31E-02	-3.70	-2.74	-1.64	lincRNA:chr9:118701880-118718967 forward strand
YIPF7	4	4.52E-02	-3.70	-4.12	-4.24	Homo sapiens Yip1 domain family, member 7 (YIPF7), mRNA [NM_182592]
FAM155A	13	1.82E-02	-3.49	-2.83	-3.21	Homo sapiens family with sequence similarity 155, member A (FAM155A), mRNA [NM_001080396]
	8	4.76E-02	-3.48	-2.53	-1.58	lincRNA:chr8:124472369-124499694 forward strand
LIPK	10	3.47E-02	-3.34	-5.63	-6.35	Homo sapiens lipase, family member K (LIPK), mRNA [NM_001080518]
MGAT3	22	4.90E-02	-3.24	-2.82	-3.33	Homo sapiens mannosyl (beta-1,4-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase (MGAT3), transcript variant 1, mRNA [NM_002409]
C3orf57	3	1.33E-04	-3.09	-7.58	-9.83	Homo sapiens chromosome 3 open reading frame 57 (C3orf57), mRNA [NM_001040100]
SMYD1	2	2.29E-02	-3.08	-3.29	-3.74	Homo sapiens SET and MYND domain containing 1 (SMYD1), mRNA [NM_198274]
	2	2.94E-03	-3.01	-2.67	-2.79	lincRNA:chr2:136988322-136990815 forward strand

PEG3	19	4.00E-02	-3.00	-4.33	-2.13	Homo sapiens paternally expressed 3 (PEG3), transcript variant 1, mRNA [NM_006210]
		1.85E-02	-2.91	-3.57	-3.01	lincRNA:chr15:96788096-96828896 reverse strand
LOC100129373	X	1.71E-02	-2.83	-1.03	-1.13	Homo sapiens cDNA FLJ46014 fis, clone SPLEN2011252. [AK127907]
	20	3.92E-02	-2.71	-2.17	-1.78	lincRNA:chr20:23121750-23135225 reverse strand
CHD2	15	4.60E-02	-2.70	-1.35	-1.64	Homo sapiens CHD2 mRNA, complete cds. [AF006514]
ASPRV1	2	4.35E-02	-2.66	-1.73	-3.77	Homo sapiens aspartic peptidase, retroviral-like 1 (ASPRV1), mRNA [NM_152792]
	2	4.81E-02	-2.65	-1.19	-1.14	lincRNA:chr2:177039979-177049079 forward strand
ATG9B	7	4.64E-02	-2.62	-2.29	-2.78	Homo sapiens ATG9 autophagy related 9 homolog B (S. cerevisiae) (ATG9B), mRNA [NM_173681]
XKRX	X	1.08E-02	-2.59	-11.44	-16.00	Homo sapiens XK, Kell blood group complex subunit-related, X-linked (XKRX), mRNA [NM_212559]
	X	1.21E-02	-2.58	-2.38	-4.55	lincRNA:chrX:73050901-73051109 forward strand
ELF5	11	5.20E-03	-2.58	-3.24	-5.06	Homo sapiens E74-like factor 5 (ets domain transcription factor) (ELF5), transcript variant 1, mRNA [NM_198381]
FAT3	11	3.68E-02	-2.56	-2.76	-2.73	Homo sapiens FAT tumor suppressor homolog 3 (Drosophila) (FAT3), mRNA [NM_001008781]
	2	2.35E-03	-2.55	-2.96	-3.23	lincRNA:chr2:55848496-55861395 forward strand
PNMA3	X	2.14E-02	-2.55	-1.92	1.05	Homo sapiens paraneoplastic antigen MA3 (PNMA3), mRNA [NM_013364]
C1orf64	1	2.58E-02	-2.54	-1.37	-1.42	Homo sapiens chromosome 1 open reading frame 64 (C1orf64), mRNA [NM_178840]
	14	2.12E-02	-2.53	-3.73	-2.84	lincRNA:chr14:66896649-66896875 reverse strand

FETUB	3	7.09E-03	-2.51	-2.03	-2.95	Homo sapiens fetuin B (FETUB), mRNA [NM_014375]
PADI1	1	1.93E-02	-2.51	-2.53	-3.61	Homo sapiens peptidyl arginine deiminase, type I (PADI1), mRNA [NM_013358]
	18	4.14E-02	-2.47	-2.60	-2.40	lincRNA:chr18:22513427-22567638 reverse strand
EGR3	8	2.53E-02	-2.46	-3.00	-4.93	Homo sapiens early growth response 3 (EGR3), transcript variant 1, mRNA [NM_004430]
	16	4.67E-02	-2.44	-1.11	-1.61	lincRNA:chr16:51197849-51212449 reverse strand
LRP2	2	1.41E-02	-2.42	-4.69	-2.62	Homo sapiens low density lipoprotein receptor-related protein 2 (LRP2), mRNA [NM_004525]
	11	1.36E-02	-2.37	-5.01	-2.58	lincRNA:chr11:120050990-120061540 forward strand
APOC3	11	1.59E-02	-2.36	-3.12	-1.97	Homo sapiens apolipoprotein C-III (APOC3), mRNA [NM_000040]
	7	3.12E-02	-2.33	-5.28	-1.93	lincRNA:chr7:33664500-33886275 forward strand
	2	2.47E-02	-2.32	-1.40	-1.42	lincRNA:chr2:8026944-8039786 reverse strand
KPRP	1	4.57E-03	-2.32	-2.74	-4.12	Homo sapiens keratinocyte proline-rich protein (KPRP), mRNA [NM_001025231]
SHISA9	16	2.74E-03	-2.32	-1.22	-1.59	Homo sapiens shisa homolog 9 (Xenopus laevis) (SHISA9), transcript variant 2, mRNA [NM_001145205]
	X	4.25E-02	-2.32	-1.74	1.06	lincRNA:chrX:68406650-68432200 reverse strand
KIAA1257	3	4.90E-03	-2.31	-4.49	-3.81	Homo sapiens KIAA1257 (KIAA1257), mRNA [NM_020741]
TXNDC3	7	7.49E-03	-2.29	-1.14	1.37	Homo sapiens thioredoxin domain containing 3 (spermatozoa) (TXNDC3), mRNA [NM_016616]
KRTAP4-8	17	2.78E-02	-2.26	-3.38	-3.12	Homo sapiens keratin associated protein 4-8 (KRTAP4-8), mRNA [NM_031960]

ENDOU	12	1.99E-02	-2.22	-3.41	-4.18	Homo sapiens endonuclease, polyU-specific (ENDOU), transcript variant 2, mRNA [NM_006025]
	3	2.21E-02	-2.22	-3.16	-2.83	lincRNA:chr3:170458139-170459154 forward strand
KIAA1239	4	8.08E-03	-2.21	-1.28	-1.08	Homo sapiens KIAA1239 (KIAA1239), mRNA [NM_001144990]
MOBP	3	1.03E-02	-2.20	-1.03	-1.17	Homo sapiens myelin-associated oligodendrocyte basic protein (MOBP), mRNA [NM_182935]
NFU1	2	1.05E-02	-2.20	-1.36	-2.18	Homo sapiens mRNA; cDNA DKFZp686H1983 (from clone DKFZp686H1983). [BX538347]
C6orf15	6	1.54E-02	-2.20	-1.69	-1.65	Homo sapiens chromosome 6 open reading frame 15 (C6orf15), mRNA [NM_014070]
POPDC2	3	4.30E-02	-2.19	-1.18	-1.15	Homo sapiens popeye domain containing 2 (POPDC2), mRNA [NM_022135]
PRPF18	10	7.88E-03	-2.17	-2.17	-1.94	PRP18 pre-mRNA processing factor 18 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:17351] [ENST00000320054]
HES5	1	2.52E-03	-2.16	-3.31	-4.17	Homo sapiens hairy and enhancer of split 5 (Drosophila) (HES5), mRNA [NM_001010926]
HS3ST6	16	6.36E-03	-2.15	-8.44	-12.04	Homo sapiens heparan sulfate (glucosamine) 3-O-sulfotransferase 6 (HS3ST6), mRNA [NM_001009606]
	4	2.83E-02	-2.14	1.26	1.41	DA825750 PERIC2 Homo sapiens cDNA clone PERIC2006931 5', mRNA sequence [DA825750]
TTTY2	Y	1.99E-02	-2.14	-2.24	-2.67	Homo sapiens testis-specific transcript, Y-linked 2 (non-protein coding) (TTTY2), non-coding RNA [NR_001536]
	2	3.14E-02	-2.13	-2.37	-1.70	lincRNA:chr2:47558914-47559517 reverse strand

LRAT	4	3.51E-03	-2.13	-4.03	-6.86	Homo sapiens lecithin retinol acyltransferase (phosphatidylcholine--retinol O-acyltransferase) (LRAT), mRNA [NM_004744]
	14	1.87E-02	-2.11	-1.15	1.56	lincRNA:chr14:103212622-103220047 reverse strand
XLOC_005127	6	1.23E-02	-2.10	-2.64	-2.62	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
ANKRD35	1	3.51E-03	-2.10	-4.32	-5.33	Homo sapiens ankyrin repeat domain 35 (ANKRD35), mRNA [NM_144698]
CLEC4F	2	2.01E-02	-2.10	-1.07	1.00	Homo sapiens C-type lectin domain family 4, member F (CLEC4F), mRNA [NM_173535]
C2orf54	2	4.34E-02	-2.09	-1.22	-1.77	Homo sapiens chromosome 2 open reading frame 54 (C2orf54), transcript variant 2, mRNA [NM_024861]
	15	3.86E-02	-2.09	-2.03	-1.25	lincRNA:chr15:96838163-96841252 reverse strand
ECEL1P2	2	2.09E-02	-2.09	-2.12	-1.57	Homo sapiens endothelin converting enzyme-like 1, pseudogene 2 (ECEL1P2), non-coding RNA [NR_028501]
FCGR2A	1	4.54E-03	-2.08	5.57	4.71	Homo sapiens Fc fragment of IgG, low affinity IIa, receptor (CD32) (FCGR2A), transcript variant 1, mRNA [NM_001136219]
GUCY1B3	4	2.22E-02	-2.06	-1.70	-2.81	Homo sapiens guanylate cyclase 1, soluble, beta 3 (GUCY1B3), mRNA [NM_000857]
CALML5	10	8.58E-04	-2.06	-4.53	-6.77	Homo sapiens calmodulin-like 5 (CALML5), mRNA [NM_017422]
ABCC6	16	3.67E-02	-2.05	-1.94	-1.61	Homo sapiens ATP-binding cassette, sub-family C (CFTR/MRP), member 6 (ABCC6), transcript variant 2, mRNA [NM_001079528]

MMD2	7	2.57E-02	-2.05	-1.68	-1.42	Homo sapiens monocyte to macrophage differentiation-associated 2 (MMD2), transcript variant 2, mRNA [NM_198403]
GRAMD1B	11	1.22E-04	-2.04	3.83	3.84	Homo sapiens GRAM domain containing 1B (GRAMD1B), mRNA [NM_020716]
		2.28E-03	-2.04	-4.52	-3.92	Homo sapiens hCG2042718, mRNA (cDNA clone MGC:157828 IMAGE:40127380), complete cds. [BC127725]
DERL3	22	2.86E-02	-2.04	-1.25	2.09	Homo sapiens Der1-like domain family, member 3 (DERL3), transcript variant 3, mRNA [NM_198440]
GPR1	2	3.24E-02	-2.03	-3.55	-2.62	Homo sapiens G protein-coupled receptor 1 (GPR1), transcript variant 1, mRNA [NM_005279]
XLOC_003303	3	4.55E-02	-2.03	-1.55	-2.55	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
TRIM15	6	1.43E-03	-2.02	35.39	28.26	Homo sapiens tripartite motif containing 15 (TRIM15), mRNA [NM_033229]
PLEKHG4B	5	2.27E-03	-2.01	1.06	-1.04	Homo sapiens pleckstrin homology domain containing, family G (with RhoGef domain) member 4B (PLEKHG4B), mRNA [NM_052909]
	12	2.71E-02	-2.00	-1.47	-1.01	lincRNA:chr12:131176597-131195494 forward strand

Supplementary Table E4, IFN-¥ up-regulated genes

GeneSymbol	Chr	p-value	Fold change (IFN-¥ vs N.T.)	Fold change (IL-22 vs N.T.)	Fold change (IFN-¥/IL-22 vs N.T.)	Description
CXCL9	4	1,04E-10	44307,63	-1,00	42377,30	Homo sapiens chemokine (C-X-C motif) ligand 9 (CXCL9), mRNA [NM_002416]
CXCL10	4	1,49E-08	15380,77	1,45	13876,09	Homo sapiens chemokine (C-X-C motif) ligand 10 (CXCL10), mRNA [NM_001565]
CXCL10	4	2,07E-08	9262,72	1,30	8378,90	Homo sapiens chemokine (C-X-C motif) ligand 10 (CXCL10), mRNA [NM_001565]
UBD	6	3,78E-08	7776,31	1,68	7384,25	Homo sapiens ubiquitin D (UBD), mRNA [NM_006398]
CXCL11	4	1,39E-06	6563,29	1,07	6041,58	Homo sapiens chemokine (C-X-C motif) ligand 11 (CXCL11), mRNA [NM_005409]
IDO1	8	3,34E-09	1982,50	1,26	1801,92	Homo sapiens indoleamine 2,3-dioxygenase 1 (IDO1), mRNA [NM_002164]
CIITA	16	4,58E-08	1639,19	1,34	1397,66	Homo sapiens class II, major histocompatibility complex, transactivator (CIITA), mRNA [NM_000246]
CCL2	17	8,34E-07	996,07	1,31	788,00	Homo sapiens chemokine (C-C motif) ligand 2 (CCL2), mRNA [NM_002982]
GBP5	1	2,14E-07	661,49	-1,24	611,11	Homo sapiens guanylate binding protein 5 (GBP5), transcript variant 1, mRNA [NM_052942]
HLA-DRA	6	3,81E-06	581,08	-1,14	514,77	Homo sapiens major histocompatibility complex, class II, DR alpha (HLA-DRA), mRNA [NM_019111]
ETV7	6	2,32E-06	545,84	1,05	422,66	Homo sapiens ets variant 7 (ETV7), transcript variant 1, mRNA [NM_016135]
HLA-DMB	6	5,83E-06	490,49	1,12	462,90	Homo sapiens major histocompatibility complex, class II, DM beta (HLA-DMB), mRNA [NM_002118]
APOL4	22	3,30E-06	412,74	1,97	356,18	Homo sapiens apolipoprotein L, 4 (APOL4), transcript variant a, mRNA [NM_030643]
APOL3	22	2,71E-08	365,30	-1,02	321,48	Homo sapiens

						apolipoprotein L, 3 (APOL3), transcript variant beta/a, mRNA [NM_145641]
BATF2	11	4,60E-10	347,10	1,10	315,71	Homo sapiens basic leucine zipper transcription factor, ATF-like 2 (BATF2), mRNA [NM_138456]
ZBP1	20	1,29E-05	344,36	1,73	261,18	Homo sapiens Z-DNA binding protein 1 (ZBP1), transcript variant 1, mRNA [NM_030776]
XAF1	17	2,52E-06	297,31	1,68	248,11	Homo sapiens XIAP associated factor 1 (XAF1), transcript variant 1, mRNA [NM_017523]
XAF1	17	1,49E-06	228,41	1,37	210,66	Homo sapiens XIAP associated factor 1 (XAF1), transcript variant 1, mRNA [NM_017523]
ICAM1	19	5,19E-08	226,76	1,55	205,19	Homo sapiens intercellular adhesion molecule 1 (ICAM1), mRNA [NM_000201]
AIM2	1	1,07E-05	223,30	1,93	210,08	Homo sapiens absent in melanoma 2 (AIM2), mRNA [NM_004833]
CCL7	17	6,55E-07	195,13	-1,08	140,61	Homo sapiens chemokine (C-C motif) ligand 7 (CCL7), mRNA [NM_006273]
GBP4	1	9,23E-09	181,42	-1,11	160,44	Homo sapiens guanylate binding protein 4 (GBP4), mRNA [NM_052941]
CMPK2	2	2,71E-07	173,56	1,01	145,61	Homo sapiens cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial (CMPK2), nuclear gene encoding mitochondrial protein, mRNA [NM_207315]
GBP2	1	2,70E-08	161,45	1,27	139,11	Homo sapiens guanylate binding protein 2, interferon-inducible (GBP2), mRNA [NM_004120]
SECTM1	17	7,69E-08	159,10	1,75	133,57	Homo sapiens secreted and transmembrane 1 (SECTM1), mRNA [NM_003004]
ZBP1	20	1,96E-06	158,53	1,36	116,48	Homo sapiens Z-DNA binding protein 1 (ZBP1), transcript variant 4, mRNA [NM_001160419]
RSAD2	2	4,05E-05	153,64	-1,21	115,35	Homo sapiens radical S-adenosyl methionine domain

						containing 2 (RSAD2), mRNA [NM_080657]
CCL8	17	4,94E-06	150,67	1,17	111,42	Homo sapiens chemokine (C-C motif) ligand 8 (CCL8), mRNA [NM_005623]
IFIT3	10	4,97E-07	149,14	1,58	132,82	Homo sapiens interferon-induced protein with tetratricopeptide repeats 3 (IFIT3), transcript variant 1, mRNA [NM_001549]
KDR	4	2,89E-04	148,40	1,11	104,79	Homo sapiens kinase insert domain receptor (a type III receptor tyrosine kinase) (KDR), mRNA [NM_002253]
HLA-DQA1	6	3,02E-06	118,02	1,05	97,26	Homo sapiens major histocompatibility complex, class II, DQ alpha 1 (HLA-DQA1), mRNA [NM_002122]
CCRL1	3	8,90E-07	117,61	1,07	98,43	Homo sapiens chemokine (C-C motif) receptor-like 1 (CCRL1), transcript variant 1, mRNA [NM_178445]
IFI44L	1	1,27E-05	113,04	-1,61	88,62	Homo sapiens interferon-induced protein 44-like (IFI44L), mRNA [NM_006820]
HLA-DRB5	6	1,10E-04	100,76	1,02	83,25	Homo sapiens major histocompatibility complex, class II, DR beta 5 (HLA-DRB5), mRNA [NM_002125]
GBP1	1	1,77E-08	95,41	1,20	81,15	Homo sapiens guanylate binding protein 1, interferon-inducible (GBP1), mRNA [NM_002053]
NLRC5	16	1,74E-05	94,67	1,77	82,21	Homo sapiens NLR family, CARD domain containing 5 (NLRC5), mRNA [NM_032206]
CCL5	17	7,76E-04	88,45	1,41	64,81	Homo sapiens chemokine (C-C motif) ligand 5 (CCL5), mRNA [NM_002985]
ZNF114	19	5,36E-04	88,29	1,19	39,81	Homo sapiens zinc finger protein 114 (ZNF114), mRNA [NM_153608]
GJD3	17	1,26E-05	80,49	-1,18	79,95	Homo sapiens gap junction protein, delta 3, 31.9kDa (GJD3), mRNA [NM_152219]
IFIT2	10	4,62E-06	78,37	1,49	63,33	Homo sapiens interferon-induced protein with tetratricopeptide

						repeats 2 (IFIT2), mRNA [NM_001547]
MX1	21	4,89E-07	76,40	1,40	65,14	Homo sapiens myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse) (MX1), transcript variant 2, mRNA [NM_002462]
CTSS	1	5,72E-06	75,86	1,50	78,12	Homo sapiens cathepsin S (CTSS), transcript variant 1, mRNA [NM_004079]
NNMT	11	1,18E-05	72,48	2,50	64,56	Homo sapiens nicotinamide N-methyltransferase (NNMT), mRNA [NM_006169]
TMPRSS3	21	1,93E-04	71,89	1,82	55,38	Homo sapiens transmembrane protease, serine 3 (TMPRSS3), transcript variant D, mRNA [NM_032405]
NOS2	17	4,13E-04	68,66	1,41	67,24	Homo sapiens nitric oxide synthase 2, inducible (NOS2), mRNA [NM_000625]
HLA-DPA1	6	4,19E-08	67,59	1,07	58,49	Homo sapiens major histocompatibility complex, class II, DP alpha 1 (HLA-DPA1), transcript variant 1, mRNA [NM_033554]
HLA-DOA	6	1,14E-06	66,23	-1,34	52,80	Homo sapiens major histocompatibility complex, class II, DO alpha (HLA-DOA), mRNA [NM_002119]
C1S	12	1,48E-06	62,99	2,26	60,08	Homo sapiens complement component 1, s subcomponent (C1S), transcript variant 2, mRNA [NM_001734]
LOC100131733	12	1,20E-08	62,80	1,33	55,59	Homo sapiens hypothetical LOC100131733 (LOC100131733), non-coding RNA [NR_038996]
IFIT2	10	5,96E-06	62,12	1,38	56,97	Homo sapiens interferon-induced protein with tetratricopeptide repeats 2 (IFIT2), mRNA [NM_001547]
HLA-DQA2	6	7,87E-04	61,97	-1,31	56,52	Homo sapiens major histocompatibility complex, class II, DQ alpha 2 (HLA-DQA2), mRNA [NM_020056]
	1	3,10E-07	61,93	2,18	49,16	lincRNA:chr1:89873237-89890493 forward strand

C1R	12	1,42E-07	60,20	1,72	62,39	Homo sapiens complement component 1, r subcomponent (C1R), mRNA [NM_001733]
WARS	14	1,41E-08	59,61	1,01	56,47	Homo sapiens tryptophanyl-tRNA synthetase (WARS), transcript variant 1, mRNA [NM_004184]
IRF1	5	1,52E-07	59,47	1,29	54,40	Homo sapiens interferon regulatory factor 1 (IRF1), mRNA [NM_002198]
FAM107A	3	2,63E-05	59,46	1,04	42,50	Homo sapiens family with sequence similarity 107, member A (FAM107A), transcript variant 1, mRNA [NM_007177]
	13	4,82E-04	59,08	-1,18	43,87	immunoresponsive 1 homolog (mouse) [Source:HGNC Symbol;Acc:33904] [ENST00000449753]
HLA-DRB4		6,47E-05	57,81	1,14	47,02	Homo sapiens major histocompatibility complex, class II, DR beta 4 (HLA-DRB4), mRNA [NM_021983]
IL18BP	11	8,50E-07	55,28	-1,00	46,63	Homo sapiens interleukin 18 binding protein (IL18BP), transcript variant A, mRNA [NM_173042]
GBP7	1	4,97E-06	55,11	1,04	37,38	Homo sapiens guanylate binding protein 7 (GBP7), mRNA [NM_207398]
C1R	12	3,18E-07	54,59	1,79	54,26	Homo sapiens complement component 1, r subcomponent (C1R), mRNA [NM_001733]
SSTR2	17	3,88E-06	50,98	1,03	34,73	Homo sapiens somatostatin receptor 2 (SSTR2), mRNA [NM_001050]
SLC15A3	11	4,81E-09	49,16	1,12	43,76	Homo sapiens solute carrier family 15, member 3 (SLC15A3), transcript variant 1, mRNA [NM_016582]
CD74	5	2,87E-07	48,42	1,07	44,40	Homo sapiens CD74 molecule, major histocompatibility complex, class II invariant chain (CD74), transcript variant 3, mRNA [NM_001025158]
SAMD9L	7	2,25E-08	47,78	1,14	41,74	Homo sapiens sterile alpha motif domain containing 9-like (SAMD9L), mRNA

						[NM_152703]
PDGFRA	4	4,26E-06	47,58	1,32	41,00	Homo sapiens platelet-derived growth factor receptor, alpha polypeptide (PDGFRA), mRNA [NM_006206]
SAMD9L	7	9,17E-09	47,11	1,11	38,50	Homo sapiens sterile alpha motif domain containing 9-like (SAMD9L), mRNA [NM_152703]
HAPLN3	15	1,28E-08	46,61	1,03	39,21	Homo sapiens hyaluronan and proteoglycan link protein 3 (HAPLN3), mRNA [NM_178232]
OSTalpha	3	4,77E-04	46,35	-1,08	35,05	Homo sapiens organic solute transporter alpha (OSTalpha), mRNA [NM_152672]
CLIC5	6	5,38E-06	46,04	-1,12	35,70	Homo sapiens chloride intracellular channel 5 (CLIC5), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA [NM_016929]
EPSTI1	13	1,06E-09	41,17	-1,09	37,73	Homo sapiens epithelial stromal interaction 1 (breast) (EPSTI1), transcript variant 2, mRNA [NM_033255]
IL32	16	1,21E-05	39,88	1,14	40,38	Homo sapiens interleukin 32 (IL32), transcript variant 4, mRNA [NM_001012633]
STAT1	2	1,38E-08	38,79	1,24	35,93	Homo sapiens signal transducer and activator of transcription 1, 91kDa (STAT1), transcript variant beta, mRNA [NM_139266]
IL32	16	1,18E-05	38,46	1,13	39,08	Homo sapiens interleukin 32 (IL32), transcript variant 1, mRNA [NM_001012631]
SERPING1	11	1,76E-03	37,68	1,30	33,13	Homo sapiens serpin peptidase inhibitor, clade G (C1 inhibitor), member 1 (SERPING1), transcript variant 1, mRNA [NM_000062]
BCL2L14	12	2,96E-06	36,63	-1,21	31,11	Homo sapiens BCL2-like 14 (apoptosis facilitator) (BCL2L14), transcript

						variant 1, mRNA [NM_138722]
TRIM15	6	1,43E-03	35,39	-2,02	28,26	Homo sapiens tripartite motif containing 15 (TRIM15), mRNA [NM_033229]
APOL4	22	1,76E-07	34,88	1,56	32,45	Homo sapiens apolipoprotein L, 4 (APOL4), transcript variant a, mRNA [NM_030643]
SAMHD1	20	1,13E-07	34,82	1,06	28,41	Homo sapiens SAM domain and HD domain 1 (SAMHD1), mRNA [NM_015474]
TAP1	6	4,79E-08	34,40	1,19	31,47	Homo sapiens transporter 1, ATP-binding cassette, sub-family B (MDR/TAP) (TAP1), mRNA [NM_000593]
C1S	12	7,51E-06	34,17	1,52	30,49	Homo sapiens complement component 1, s subcomponent (C1S), transcript variant 1, mRNA [NM_201442]
IL7	8	5,00E-06	33,78	1,63	35,78	Homo sapiens interleukin 7 (IL7), transcript variant 1, mRNA [NM_000880]
SERPING1	11	6,36E-04	33,51	-1,03	29,61	Homo sapiens serpin peptidase inhibitor, clade G (C1 inhibitor), member 1 (SERPING1), transcript variant 1, mRNA [NM_000062]
PSMB9	6	2,78E-07	33,35	1,01	33,70	Homo sapiens proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional peptidase 2) (PSMB9), mRNA [NM_002800]
DEFB103B	8	5,83E-04	33,08	4,22	30,19	Homo sapiens defensin, beta 103B (DEFB103B), mRNA [NM_018661]
APOL6	22	3,74E-07	33,05	1,31	28,11	Homo sapiens apolipoprotein L, 6 (APOL6), mRNA [NM_030641]
CLIC2	X	3,22E-06	31,86	-1,44	24,99	Homo sapiens chloride intracellular channel 2 (CLIC2), mRNA [NM_001289]
GIMAP2	7	1,57E-05	30,18	1,19	26,82	Homo sapiens GTPase, IMAP family member 2 (GIMAP2), mRNA [NM_015660]

C1orf68	1	7,43E-06	29,89	-1,05	24,25	Homo sapiens chromosome 1 open reading frame 68 (C1orf68), mRNA [NM_001024679]
EDNRA	4	1,77E-05	29,21	1,53	24,74	Homo sapiens endothelin receptor type A (EDNRA), transcript variant 1, mRNA [NM_001957]
IL15	4	2,22E-07	28,55	1,27	27,68	Homo sapiens interleukin 15 (IL15), transcript variant 2, mRNA [NM_172175]
LYPD5	19	4,40E-06	27,68	2,01	25,43	Homo sapiens LY6/PLAUR domain containing 5 (LYPD5), transcript variant B, mRNA [NM_182573]
	1	5,23E-07	26,53	1,46	23,30	chromosome 1 open reading frame 167 [Source:HGNC Symbol;Acc:25262] [ENST00000433342]
RNF213	17	2,08E-06	26,45	1,29	26,60	Homo sapiens ring finger protein 213 (RNF213), transcript variant 1, mRNA [NM_020914]
OAS1	12	4,97E-07	26,37	1,07	20,89	Homo sapiens 2',5'-oligoadenylate synthetase 1, 40/46kDa (OAS1), transcript variant 2, mRNA [NM_002534]
IFITM1	11	1,10E-06	26,29	1,54	26,15	Homo sapiens interferon induced transmembrane protein 1 (9-27) (IFITM1), mRNA [NM_003641]
TRIM22	11	9,02E-08	25,99	1,30	23,61	Homo sapiens tripartite motif containing 22 (TRIM22), transcript variant 1, mRNA [NM_006074]
IFI44	1	2,48E-06	25,98	1,32	21,82	Homo sapiens interferon-induced protein 44 (IFI44), mRNA [NM_006417]
APOL6	22	5,01E-06	25,93	1,27	23,31	Homo sapiens apolipoprotein L, 6 (APOL6), mRNA [NM_030641]
IL1R2	2	5,54E-03	25,29	1,15	32,97	Homo sapiens interleukin 1 receptor, type II (IL1R2), transcript variant 1, mRNA [NM_004633]
IFITM1	11	1,51E-06	25,00	1,55	24,81	Homo sapiens interferon induced transmembrane protein 1 (9-27) (IFITM1), mRNA [NM_003641]
C13orf16	13	1,17E-06	24,71	-1,11	21,65	Homo sapiens

						chromosome 13 open reading frame 16 (C13orf16), mRNA [NM_152324]
APOL2	22	7,30E-07	24,47	1,55	22,07	Homo sapiens apolipoprotein L, 2 (APOL2), transcript variant beta, mRNA [NM_145637]
IFI35	17	7,05E-08	24,18	1,06	21,36	Homo sapiens interferon-induced protein 35 (IFI35), mRNA [NM_005533]
OAS2	12	8,78E-08	24,00	1,11	20,84	Homo sapiens 2'-5'-oligoadenylate synthetase 2, 69/71kDa (OAS2), transcript variant 1, mRNA [NM_016817]
	2	2,34E-03	23,67	1,26	33,72	lincRNA:chr2:102600227-102601998 forward strand
CLIC5	6	3,61E-03	22,77	1,36	19,33	Homo sapiens chloride intracellular channel 5 (CLIC5), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA [NM_016929]
CX3CL1	16	3,83E-05	22,34	-1,04	15,16	Homo sapiens chemokine (C-X3-C motif) ligand 1 (CX3CL1), mRNA [NM_002996]
TRIM40	6	1,19E-04	22,27	1,03	17,68	Homo sapiens tripartite motif containing 40 (TRIM40), mRNA [NM_138700]
LOC100506328	2	2,36E-03	22,23	1,15	32,71	Homo sapiens cDNA FLJ31315 fis, clone LIVER1000303. [AK055877]
FAM78B	1	7,09E-05	22,06	-1,14	18,65	Homo sapiens family with sequence similarity 78, member B (FAM78B), mRNA [NM_001017961]
PLXDC1	17	6,07E-06	22,04	1,30	14,22	Homo sapiens plexin domain containing 1 (PLXDC1), mRNA [NM_020405]
HLA-DPB1	6	5,53E-03	21,89	1,02	18,81	Homo sapiens major histocompatibility complex, class II, DP beta 1 (HLA-DPB1), mRNA [NM_002121]
CCDC109B	4	2,57E-07	21,43	1,63	19,61	Homo sapiens coiled-coil domain containing 109B (CCDC109B), mRNA [NM_017918]
XLOC_006507	7	2,72E-05	21,37	1,22	18,75	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)

HLA-DMA	6	3,74E-07	21,36	1,12	18,88	Homo sapiens major histocompatibility complex, class II, DM alpha (HLA-DMA), mRNA [NM_006120]
OAS3	12	2,47E-07	21,31	1,05	19,42	Homo sapiens 2'-5'-oligoadenylate synthetase 3, 100kDa (OAS3), mRNA [NM_006187]
APOL6	22	4,55E-07	21,30	1,09	23,41	Homo sapiens apolipoprotein L, 6 (APOL6), mRNA [NM_030641]
APOBEC3G	22	1,50E-05	20,80	1,22	20,39	Homo sapiens apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G (APOBEC3G), mRNA [NM_021822]
WDFY4	10	2,68E-04	20,75	-1,03	18,53	Homo sapiens WDFY family member 4 (WDFY4), mRNA [NM_020945]
GBP1P1	1	3,22E-06	20,49	1,05	17,69	Homo sapiens guanylate binding protein 1, interferon-inducible pseudogene 1 (GBP1P1), non-coding RNA [NR_003133]
UBE2L6	11	1,66E-07	20,08	1,18	18,26	Homo sapiens ubiquitin-conjugating enzyme E2L 6 (UBE2L6), transcript variant 2, mRNA [NM_198183]
DDX60	4	5,61E-06	19,77	1,32	18,22	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 60 (DDX60), mRNA [NM_017631]
OAS2	12	5,92E-08	19,67	1,07	17,58	Homo sapiens 2'-5'-oligoadenylate synthetase 2, 69/71kDa (OAS2), transcript variant 2, mRNA [NM_002535]
HLA-DPB1	6	4,45E-03	19,54	1,08	15,74	Homo sapiens major histocompatibility complex, class II, DP beta 1 (HLA-DPB1), mRNA [NM_002121]
RARRES1	3	1,16E-05	19,52	1,02	17,17	Homo sapiens retinoic acid receptor responder (tazarotene induced) 1 (RARRES1), transcript variant 2, mRNA [NM_002888]
IL17C	16	4,70E-03	19,36	2,78	18,16	Homo sapiens interleukin 17C (IL17C), mRNA [NM_013278]
	3	1,35E-03	19,02	3,44	14,38	PREDICTED: Homo sapiens cytokine receptor CRL2

						(LOC100287290), mRNA [XM_002342405]
HLA-DPB1	6	2,85E-03	18,77	1,03	15,31	Homo sapiens major histocompatibility complex, class II, DP beta 1 (HLA-DPB1), mRNA [NM_002121]
SOD2	6	1,91E-05	18,64	1,44	18,04	Homo sapiens superoxide dismutase 2, mitochondrial (SOD2), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA [NM_001024465]
PARP9	3	1,89E-06	18,57	1,80	15,75	Homo sapiens poly (ADP-ribose) polymerase family, member 9 (PARP9), transcript variant 1, mRNA [NM_031458]
HLA-DQA1	6	6,12E-05	18,37	-1,39	16,94	Homo sapiens major histocompatibility complex, class II, DQ alpha 1 (HLA-DQA1), mRNA [NM_002122]
FRMD3	9	3,44E-06	18,10	-1,15	17,72	Homo sapiens FERM domain containing 3 (FRMD3), mRNA [NM_174938]
OAS3	12	1,97E-07	18,01	1,12	16,55	Homo sapiens 2'-5'-oligoadenylate synthetase 3, 100kDa (OAS3), mRNA [NM_006187]
RTP4	3	3,84E-07	17,99	1,24	17,21	Homo sapiens receptor (chemosensory) transporter protein 4 (RTP4), mRNA [NM_022147]
HLA-DMA	6	1,55E-06	17,86	1,06	15,86	Homo sapiens major histocompatibility complex, class II, DM alpha (HLA-DMA), mRNA [NM_006120]
LOC100130278	3	1,38E-05	17,83	-1,12	17,70	Homo sapiens cDNA FLJ36795 fis, clone ADRGL2006767. [AK094114]
		2,45E-03	17,77	1,05	16,27	major histocompatibility complex, class II, DQ beta 1 [Source:HGNC Symbol;Acc:4944] [ENST00000399670]
IFI30	19	4,81E-07	17,73	1,14	16,85	Homo sapiens interferon, gamma-inducible protein 30 (IFI30), mRNA [NM_006332]
LAP3	4	6,27E-07	17,68	1,04	16,65	Homo sapiens leucine aminopeptidase 3 (LAP3), mRNA

						[NM_015907]
FAM20A	17	4,63E-03	17,57	2,57	16,10	Homo sapiens family with sequence similarity 20, member A (FAM20A), transcript variant 1, mRNA [NM_017565]
	3	4,38E-07	17,45	1,13	15,93	lincRNA:chr3:158458205-158461305 forward strand
WDFY4	10	1,52E-03	17,39	1,06	14,90	Homo sapiens WDFY family member 4 (WDFY4), mRNA [NM_020945]
P2RY6	11	6,34E-05	17,38	8,12	18,61	Homo sapiens pyrimidinergic receptor P2Y, G-protein coupled, 6 (P2RY6), transcript variant 2, mRNA [NM_176798]
INPP1	2	3,08E-06	17,34	1,08	13,53	Homo sapiens inositol polyphosphate-1-phosphatase (INPP1), transcript variant 2, mRNA [NM_002194]
SOCS3	17	2,08E-04	17,31	2,80	15,69	Homo sapiens suppressor of cytokine signaling 3 (SOCS3), mRNA [NM_003955]
FRMD3	9	9,17E-08	17,21	1,16	17,13	FERM domain containing 3 [Source:HGNC Symbol;Acc:24125] [ENST00000304195]
ATP10A	15	7,58E-04	17,09	1,10	15,11	Homo sapiens ATPase, class V, type 10A (ATP10A), mRNA [NM_024490]
	1	2,95E-06	17,05	-1,19	15,59	lincRNA:chr1:89874262-89947412 forward strand
TBX21	17	3,66E-04	16,87	-1,32	11,91	Homo sapiens T-box 21 (TBX21), mRNA [NM_013351]
BST2	19	5,18E-06	16,49	1,24	15,10	Homo sapiens bone marrow stromal cell antigen 2 (BST2), mRNA [NM_004335]
TRAF1	9	1,49E-03	16,39	-1,33	15,26	Homo sapiens TNF receptor-associated factor 1 (TRAF1), transcript variant 1, mRNA [NM_005658]
HLA-DPA1	6	3,76E-07	16,36	1,01	13,68	Homo sapiens major histocompatibility complex, class II, DP alpha 1 (HLA-DPA1), transcript variant 2, mRNA [NM_001242524]
SERPING1	11	2,21E-06	15,99	1,10	12,98	Homo sapiens serpin peptidase inhibitor, clade G (C1 inhibitor), member 1 (SERPING1),

						transcript variant 1, mRNA [NM_000062]
OASL	12	1,04E-04	15,95	-1,09	11,43	Homo sapiens 2'-5'-oligoadenylate synthetase-like (OASL), transcript variant 1, mRNA [NM_003733]
RARRES3	11	2,44E-07	15,92	1,02	14,58	Homo sapiens retinoic acid receptor responder (tazarotene induced) 3 (RARRES3), mRNA [NM_004585]
CSF3	17	4,58E-03	15,91	1,43	21,07	Homo sapiens colony stimulating factor 3 (granulocyte) (CSF3), transcript variant 1, mRNA [NM_000759]
BATF3	1	2,66E-03	15,89	1,29	14,56	Homo sapiens basic leucine zipper transcription factor, ATF-like 3 (BATF3), mRNA [NM_018664]
DDX58	9	8,25E-07	15,87	1,15	15,02	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 58 (DDX58), mRNA [NM_014314]
BST2	19	3,52E-06	15,66	1,16	14,66	bone marrow stromal cell antigen 2 [Source:HGNC Symbol;Acc:1119] [ENST00000252593]
IFIH1	2	2,47E-07	15,55	1,14	13,23	Homo sapiens interferon induced with helicase C domain 1 (IFIH1), mRNA [NM_022168]
TNFRSF1B	1	1,12E-04	15,54	-1,52	11,46	Homo sapiens tumor necrosis factor receptor superfamily, member 1B (TNFRSF1B), mRNA [NM_001066]
PION	7	1,10E-05	15,31	1,03	14,24	Homo sapiens pigeon homolog (Drosophila) (PION), mRNA [NM_017439]
IL15RA	10	1,22E-05	15,31	1,42	15,12	Homo sapiens interleukin 15 receptor, alpha (IL15RA), transcript variant 2, mRNA [NM_172200]
CLU	8	1,82E-05	15,06	-1,04	10,91	Homo sapiens clusterin (CLU), transcript variant 2, mRNA [NM_203339]
PLA2G3	22	1,87E-04	14,95	1,42	10,69	Homo sapiens phospholipase A2, group III (PLA2G3), mRNA [NM_015715]
PARP14	3	3,18E-08	14,93	1,09	12,22	Homo sapiens poly (ADP-ribose) polymerase family, member 14 (PARP14), mRNA

						[NM_017554]
SP110	2	3,20E-07	14,69	1,37	12,97	Homo sapiens SP110 nuclear body protein (SP110), transcript variant b, mRNA [NM_004510]
C5orf56	5	4,72E-05	14,61	1,05	16,19	Homo sapiens chromosome 5 open reading frame 56 (C5orf56), transcript variant 4, mRNA [NM_001207003]
ZFYVE28	4	7,05E-04	14,52	2,12	11,35	Homo sapiens zinc finger, FYVE domain containing 28 (ZFYVE28), transcript variant 2, mRNA [NM_020972]
TNFSF13B	13	3,79E-06	14,39	-1,11	11,55	Homo sapiens tumor necrosis factor (ligand) superfamily, member 13b (TNFSF13B), transcript variant 1, mRNA [NM_006573]
SOCS1	16	4,07E-06	14,29	-1,14	11,33	Homo sapiens suppressor of cytokine signaling 1 (SOCS1), mRNA [NM_003745]
IL12RB2	1	4,74E-07	14,16	1,08	13,80	Homo sapiens interleukin 12 receptor, beta 2 (IL12RB2), mRNA [NM_001559]
	17	1,80E-05	14,14	1,36	14,31	lincRNA:chr17:78296530-78306830 reverse strand
LAMP3	3	2,19E-03	14,09	1,20	10,91	Homo sapiens lysosomal-associated membrane protein 3 (LAMP3), mRNA [NM_014398]
ITK	5	4,31E-04	13,98	1,04	9,84	Homo sapiens IL2-inducible T-cell kinase (ITK), mRNA [NM_005546]
HLA-DRB1	6	2,53E-06	13,89	-1,05	11,39	Homo sapiens major histocompatibility complex, class II, DR beta 1 (HLA-DRB1), mRNA [NM_002124]
ARHGAP20	11	1,83E-04	13,88	-1,03	12,12	Homo sapiens Rho GTPase activating protein 20 (ARHGAP20), mRNA [NM_020809]
NINJ1	9	4,21E-05	13,86	1,05	12,56	Homo sapiens ninjurin 1 (NINJ1), mRNA [NM_004148]
GLDC	9	3,62E-06	13,80	-1,10	11,87	Homo sapiens glycine dehydrogenase (decarboxylating) (GLDC), nuclear gene encoding mitochondrial protein, mRNA

						[NM_000170]
SLAMF8	1	3,55E-04	13,79	1,06	11,56	Homo sapiens SLAM family member 8 (SLAMF8), mRNA [NM_020125]
ISG15	1	6,50E-06	13,79	1,14	12,32	Homo sapiens ISG15 ubiquitin-like modifier (ISG15), mRNA [NM_005101]
TLR2	4	1,22E-04	13,74	1,52	13,77	Homo sapiens toll-like receptor 2 (TLR2), mRNA [NM_003264]
KIF19	17	4,58E-05	13,61	1,16	12,70	Homo sapiens kinesin family member 19 (KIF19), mRNA [NM_153209]
	2	5,61E-03	13,47	1,03	20,18	lincRNA:chr2:102600225-102602007 forward strand
IL15RA	10	1,66E-07	13,43	1,33	12,62	Homo sapiens interleukin 15 receptor, alpha (IL15RA), transcript variant 2, mRNA [NM_172200]
RIPK2	8	4,02E-07	13,35	-1,00	12,31	Homo sapiens receptor-interacting serine-threonine kinase 2 (RIPK2), mRNA [NM_003821]
IRF8	16	3,85E-03	13,32	1,17	10,46	Homo sapiens interferon regulatory factor 8 (IRF8), mRNA [NM_002163]
PDCD1LG2	9	2,54E-07	13,19	1,37	12,23	Homo sapiens programmed cell death 1 ligand 2 (PDCD1LG2), mRNA [NM_025239]
MRGPRX3	11	2,28E-04	13,11	1,32	11,97	Homo sapiens MAS-related GPR, member X3 (MRGPRX3), mRNA [NM_054031]
STEAP4	7	1,52E-04	13,09	1,27	10,52	Homo sapiens STEAP family member 4 (STEAP4), transcript variant 2, mRNA [NM_001205315]
	6	5,99E-04	13,09	-1,01	10,48	major histocompatibility complex, class II, DQ beta 1 [Source:HGNC Symbol;Acc:4944] [ENST00000547498]
PDCD1LG2	9	7,32E-08	13,07	1,16	12,40	Homo sapiens programmed cell death 1 ligand 2 (PDCD1LG2), mRNA [NM_025239]
PSMB8	6	6,48E-07	12,91	1,22	10,73	Homo sapiens proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional

						peptidase 7) (PSMB8), transcript variant 1, mRNA [NM_004159]
	1	8,34E-05	12,84	-1,21	13,24	lincRNA:chr1:89874262-89947412 reverse strand
DDX60L	4	1,05E-06	12,77	1,16	11,48	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 60-like (DDX60L), mRNA [NM_001012967]
CD274	9	3,17E-06	12,75	1,04	11,48	Homo sapiens CD274 molecule (CD274), mRNA [NM_014143]
TAP2	6	9,23E-07	12,57	1,07	12,49	Homo sapiens transporter 2, ATP-binding cassette, sub-family B (MDR/TAP) (TAP2), transcript variant 1, mRNA [NM_000544]
LOC100129935	19	1,14E-03	12,50	1,04	9,00	Homo sapiens lectin, galactoside-binding, soluble, 14 pseudogene (LOC100129935), non-coding RNA [NR_026870]
IL4I1	19	1,14E-03	12,45	-1,05	10,86	Homo sapiens interleukin 4 induced 1 (IL4I1), transcript variant 2, mRNA [NM_172374]
ST3GAL1	8	1,46E-04	12,27	1,10	10,62	Homo sapiens ST3 beta-galactoside alpha-2,3-sialyltransferase 1 (ST3GAL1), transcript variant 1, mRNA [NM_003033]
KLHDC7B	22	7,94E-05	12,23	1,18	10,33	Homo sapiens kelch domain containing 7B (KLHDC7B), mRNA [NM_138433]
	6	8,61E-04	12,17	1,05	10,45	major histocompatibility complex, class II, DQ alpha 1 [Source:HGNC Symbol;Acc:4942] [ENST00000477036]
SEPX1	16	4,69E-06	12,14	1,34	10,83	Homo sapiens selenoprotein X, 1 (SEPX1), mRNA [NM_016332]
HCAR3	12	2,35E-05	12,07	1,46	11,39	Homo sapiens hydroxycarboxylic acid receptor 3 (HCAR3), mRNA [NM_006018]
HLA-DPB1	6	5,66E-04	12,05	1,03	10,25	Homo sapiens major histocompatibility complex, class II, DP beta 1 (HLA-DPB1), mRNA [NM_002121]
CD274	9	3,16E-07	11,94	-1,09	10,69	Homo sapiens

						CD274 molecule (CD274), mRNA [NM_014143]
FAM167B	1	3,77E-06	11,88	1,22	11,12	Homo sapiens family with sequence similarity 167, member B (FAM167B), mRNA [NM_032648]
NEURL3	2	9,24E-05	11,88	-1,17	11,24	Homo sapiens neuralized homolog 3 (Drosophila) pseudogene (NEURL3), non-coding RNA [NR_026875]
C9orf148	9	3,30E-04	11,82	2,17	13,27	PREDICTED: Homo sapiens chromosome 9 open reading frame 148 (C9orf148), partial miscRNA [XR_108994]
OAS2	12	6,85E-05	11,70	1,27	11,58	Homo sapiens 2'-5'-oligoadenylate synthetase 2, 69/71kDa (OAS2), transcript variant 3, mRNA [NM_001032731]
RNF213	17	3,59E-06	11,69	1,18	11,34	Homo sapiens ring finger protein 213 (RNF213), transcript variant 2, mRNA [NM_020954]
CCRL2	3	5,39E-04	11,58	1,43	8,93	Homo sapiens chemokine (C-C motif) receptor-like 2 (CCRL2), transcript variant 1, mRNA [NM_003965]
PSMB10	16	6,70E-08	11,51	-1,01	12,29	Homo sapiens proteasome (prosome, macropain) subunit, beta type, 10 (PSMB10), mRNA [NM_002801]
NMI	2	4,66E-07	11,51	1,24	10,89	Homo sapiens N-myc (and STAT) interactor (NMI), mRNA [NM_004688]
	16	1,14E-04	11,28	1,05	10,78	Homo sapiens, clone IMAGE:5170250, mRNA. [BC029255]
SGPP2	2	7,03E-04	11,26	1,05	9,64	sphingosine-1-phosphate phosphatase 2 [Source:HGNC Symbol;Acc:19953] [ENST00000321276]
TNFAIP2	14	1,91E-03	10,88	-1,06	8,61	Homo sapiens tumor necrosis factor, alpha-induced protein 2 (TNFAIP2), mRNA [NM_006291]
EDNRA	4	6,22E-07	10,80	1,19	8,73	Homo sapiens endothelin receptor type A (EDNRA), transcript variant 1,

						mRNA [NM_001957]
PLSCR4	3	1,51E-05	10,76	1,74	9,61	Homo sapiens phospholipid scramblase 4 (PLSCR4), transcript variant 2, mRNA [NM_020353]
ZC3HAV1	7	3,17E-06	10,76	1,16	10,13	Homo sapiens zinc finger CCCH-type, antiviral 1 (ZC3HAV1), transcript variant 2, mRNA [NM_024625]
TNFRSF6B	20	6,40E-06	10,42	2,04	12,04	Homo sapiens tumor necrosis factor receptor superfamily, member 6b, decoy (TNFRSF6B), mRNA [NM_003823]
HLA-F	6	2,33E-05	10,36	1,16	9,50	Homo sapiens major histocompatibility complex, class I, F (HLA-F), transcript variant 3, mRNA [NM_001098478]
VNN3	6	1,11E-04	10,34	1,82	11,00	Homo sapiens vanin 3 (VNN3), transcript variant 1, non-coding RNA [NR_028291]
STAT5A	17	1,53E-04	10,25	1,23	9,02	Homo sapiens signal transducer and activator of transcription 5A (STAT5A), mRNA [NM_003152]
G0S2	1	1,20E-04	10,11	-1,12	10,15	Homo sapiens G0/G1switch 2 (G0S2), mRNA [NM_015714]
	17	4,49E-07	10,04	-1,16	11,66	lincRNA:chr17:78302232-78306261 forward strand
TRIM17	1	1,94E-05	9,94	1,03	8,20	Homo sapiens tripartite motif containing 17 (TRIM17), transcript variant 1, mRNA [NM_016102]
PDE4DIP	1	2,48E-07	9,86	1,05	7,24	Homo sapiens phosphodiesterase 4D interacting protein (PDE4DIP), transcript variant 3, mRNA [NM_022359]
ACSL5	10	1,55E-05	9,84	-1,12	10,30	Homo sapiens acyl-CoA synthetase long-chain family member 5 (ACSL5), transcript variant 3, mRNA [NM_203380]
FRMD3	9	3,19E-04	9,73	1,02	8,07	Homo sapiens FERM domain containing 3 (FRMD3), mRNA [NM_174938]
ACE2	X	7,55E-07	9,64	1,06	8,72	Homo sapiens angiotensin I converting enzyme (peptidyl-dipeptidase

						A) 2 (ACE2), mRNA [NM_021804]
MMP25	16	1,20E-07	9,62	1,09	8,45	Homo sapiens matrix metallopeptidase 25 (MMP25), mRNA [NM_022468]
	17	4,39E-07	9,59	-1,11	10,15	lincRNA:chr17:78301614-78306077 forward strand
MLKL	16	3,69E-06	9,46	1,26	8,90	Homo sapiens mixed lineage kinase domain-like (MLKL), transcript variant 1, mRNA [NM_152649]
	5	2,32E-04	9,37	-1,93	8,59	lincRNA:chr5:131798076-131807951 forward strand
		1,90E-05	9,35	1,12	8,77	major histocompatibility complex, class I, B [Source:HGNC Symbol;Acc:4932] [ENST00000466304]
	1	1,28E-03	9,33	-1,05	8,75	lincRNA:chr1:204566252-204573127 forward strand
KCTD14	11	1,07E-05	9,31	1,19	8,68	Homo sapiens potassium channel tetramerisation domain containing 14 (KCTD14), mRNA [NM_023930]
PML	15	7,59E-07	9,24	1,23	9,01	Homo sapiens promyelocytic leukemia (PML), transcript variant 1, mRNA [NM_033238]
ABCB9	12	2,66E-06	9,24	1,02	7,70	ATP-binding cassette, sub-family B (MDR/TAP), member 9 [Source:HGNC Symbol;Acc:50] [ENST00000537276]
IL7R	5	5,74E-05	9,16	1,21	8,73	Homo sapiens interleukin 7 receptor (IL7R), mRNA [NM_002185]
C12orf34	12	6,13E-04	9,14	1,12	5,14	Homo sapiens chromosome 12 open reading frame 34 (C12orf34), mRNA [NM_032829]
HCAR2	12	8,05E-05	9,13	1,33	8,46	Homo sapiens hydroxycarboxylic acid receptor 2 (HCAR2), mRNA [NM_177551]
MDGA1	6	5,22E-03	9,09	1,36	8,01	Homo sapiens MAM domain containing glycosylphosphatidylinositol anchor 1 (MDGA1), mRNA [NM_153487]
	17	8,17E-07	8,95	-1,12	10,34	lincRNA:chr17:78296530-78306830 forward strand
BIRC3	11	1,06E-03	8,85	1,00	7,69	Homo sapiens baculoviral IAP

						repeat containing 3 (BIRC3), transcript variant 1, mRNA [NM_001165]
PRIC285	20	8,48E-07	8,83	1,13	8,72	Homo sapiens peroxisomal proliferator-activated receptor A interacting complex 285 (PRIC285), transcript variant 1, mRNA [NM_001037335]
04-set	17	2,93E-06	8,74	1,71	9,47	Homo sapiens septin 4 (SEPT4), transcript variant 1, mRNA [NM_004574]
SGPP2	2	1,03E-03	8,60	1,08	8,02	Homo sapiens sphingosine-1-phosphate phosphatase 2 (SGPP2), mRNA [NM_152386]
LOC100288902	Un_gl000213	1,70E-02	8,60	-1,30	4,33	PREDICTED: Homo sapiens hypothetical protein LOC100288902 (LOC100288902), mRNA [XM_002343872]
IFIT1B	10	7,48E-03	8,60	-1,30	7,59	Homo sapiens interferon-induced protein with tetratricopeptide repeats 1B (IFIT1B), mRNA [NM_001010987]
HCP5	6	4,58E-06	8,56	1,08	7,64	Homo sapiens HLA complex P5 (HCP5), mRNA [NM_006674]
STX11	6	2,15E-06	8,45	1,17	6,35	Homo sapiens syntaxin 11 (STX11), mRNA [NM_003764]
CXCL2	4	7,50E-07	8,43	1,10	7,67	Homo sapiens chemokine (C-X-C motif) ligand 2 (CXCL2), mRNA [NM_002089]
FBLN5	14	4,29E-05	8,43	1,07	7,21	Homo sapiens fibulin 5 (FBLN5), mRNA [NM_006329]
	8	3,66E-04	8,39	-1,08	7,03	lincRNA:chr8:90617816-90618164 reverse strand
ISG20	15	3,63E-06	8,37	-1,14	8,13	Homo sapiens interferon stimulated exonuclease gene 20kDa (ISG20), mRNA [NM_002201]
TMEM158	3	1,30E-05	8,36	1,09	7,69	Homo sapiens transmembrane protein 158 (gene/pseudogene) (TMEM158), mRNA [NM_015444]
HERC6	4	1,80E-07	8,35	1,20	7,66	Homo sapiens hect domain and RLD 6 (HERC6), transcript variant 1, mRNA [NM_017912]

CD7	17	8,51E-04	8,32	-1,27	6,73	Homo sapiens CD7 molecule (CD7), mRNA [NM_006137]
MRGPRX4	11	3,59E-04	8,27	1,07	7,78	Homo sapiens MAS-related GPR, member X4 (MRGPRX4), mRNA [NM_054032]
TNFRSF6B	20	5,53E-06	8,26	1,78	9,62	Homo sapiens tumor necrosis factor receptor superfamily, member 6b, decoy (TNFRSF6B), mRNA [NM_003823]
SIGLEC16	19	6,30E-06	8,22	1,03	7,79	Homo sapiens sialic acid binding Ig-like lectin 16 (gene/pseudogene) (SIGLEC16), non-coding RNA [NR_002825]
PMCH	12	8,84E-04	8,10	1,13	6,44	Homo sapiens pro-melanin-concentrating hormone (PMCH), mRNA [NM_002674]
RNF19B	1	4,65E-06	8,08	-1,02	7,04	Homo sapiens ring finger protein 19B (RNF19B), transcript variant 1, mRNA [NM_153341]
C8orf4	8	3,42E-04	8,07	1,10	10,43	Homo sapiens chromosome 8 open reading frame 4 (C8orf4), mRNA [NM_020130]
MMP1	11	1,14E-02	8,06	1,38	7,29	Homo sapiens matrix metallopeptidase 1 (interstitial collagenase) (MMP1), transcript variant 1, mRNA [NM_002421]
MEI1	22	2,15E-03	8,03	-1,10	8,04	Homo sapiens meiosis inhibitor 1 (MEI1), mRNA [NM_152513]
	3	3,65E-05	7,99	1,03	7,36	lincRNA:chr3:158458223-158461125 forward strand
HSH2D	19	1,16E-05	7,98	1,07	6,50	Homo sapiens hematopoietic SH2 domain containing (HSH2D), mRNA [NM_032855]
PDE4DIP	1	1,33E-06	7,89	-1,05	6,19	Homo sapiens phosphodiesterase 4D interacting protein (PDE4DIP), transcript variant 3, mRNA [NM_022359]
TNF	6	1,92E-04	7,81	-1,02	7,61	Homo sapiens tumor necrosis factor (TNF), mRNA [NM_000594]
RBM11	21	1,08E-03	7,77	1,21	5,66	Homo sapiens RNA binding motif protein 11 (RBM11), mRNA [NM_144770]

PLSCR1	3	3,38E-07	7,77	1,05	7,19	Homo sapiens phospholipid scramblase 1 (PLSCR1), mRNA [NM_021105]
TSIX	X	9,49E-05	7,76	-1,07	6,91	Homo sapiens TSIX transcript, XIST antisense RNA (non-protein coding) (TSIX), antisense RNA [NR_003255]
PDE4DIP	1	2,06E-07	7,72	1,02	5,41	Homo sapiens phosphodiesterase 4D interacting protein (PDE4DIP), transcript variant 1, mRNA [NM_014644]
MX2	21	1,29E-04	7,72	1,27	6,76	Homo sapiens myxovirus (influenza virus) resistance 2 (mouse) (MX2), mRNA [NM_002463]
ALOX12	17	1,04E-03	7,71	-1,10	7,38	Homo sapiens arachidonate 12-lipoxygenase (ALOX12), mRNA [NM_000697]
DPYD	1	1,01E-06	7,70	1,21	6,97	Homo sapiens dihydropyrimidine dehydrogenase (DPYD), transcript variant 1, mRNA [NM_000110]
BATF	14	9,18E-07	7,69	-1,09	6,25	Homo sapiens basic leucine zipper transcription factor, ATF-like (BATF), mRNA [NM_006399]
DUOXA2	15	2,97E-03	7,67	-1,13	6,15	Homo sapiens dual oxidase maturation factor 2 (DUOXA2), mRNA [NM_207581]
CLCA3P	1	1,38E-05	7,64	1,05	6,55	Homo sapiens chloride channel accessory 3, pseudogene (CLCA3P), non-coding RNA [NR_024604]
PARP12	7	2,89E-07	7,63	1,18	7,38	Homo sapiens poly (ADP-ribose) polymerase family, member 12 (PARP12), mRNA [NM_022750]
CD53	1	4,57E-03	7,63	-1,21	5,33	Homo sapiens CD53 molecule (CD53), transcript variant 1, mRNA [NM_001040033]
C5orf56	5	1,82E-05	7,59	-1,42	8,10	Homo sapiens chromosome 5 open reading frame 56 (C5orf56), transcript variant 1, mRNA [NM_001013717]
HCG26	6	4,24E-04	7,59	1,04	6,93	Homo sapiens HLA complex group 26 (non-protein coding)

						(HCG26), non-coding RNA [NR_002812]
HLA-DQB1	6	1,36E-03	7,46	-1,02	6,18	Homo sapiens major histocompatibility complex, class II, DQ beta 1 (HLA-DQB1), mRNA [NM_002123]
CAND2	3	4,84E-05	7,45	-1,02	5,63	Homo sapiens cullin-associated and neddylation-dissociated 2 (putative) (CAND2), transcript variant 2, mRNA [NM_012298]
C2CD4A	15	2,08E-04	7,45	1,65	6,79	Homo sapiens C2 calcium-dependent domain containing 4A (C2CD4A), mRNA [NM_207322]
TMEM217	6	2,24E-04	7,43	1,10	5,78	Homo sapiens transmembrane protein 217 (TMEM217), transcript variant 1, mRNA [NM_145316]
	1	6,71E-04	7,42	1,06	5,23	phosphodiesterase 4D interacting protein [Source:HGNC Symbol;Acc:15580] [ENST00000479369]
IGFLR1	19	8,57E-06	7,41	1,08	6,36	Homo sapiens IGF-like family receptor 1 (IGFLR1), mRNA [NM_024660]
SLC28A3	9	2,87E-04	7,40	1,29	6,61	Homo sapiens solute carrier family 28 (sodium-coupled nucleoside transporter), member 3 (SLC28A3), transcript variant 2, mRNA [NM_022127]
RASGRP3	2	9,46E-05	7,39	1,29	6,16	Homo sapiens RAS guanyl releasing protein 3 (calcium and DAG-regulated) (RASGRP3), transcript variant 2, mRNA [NM_170672]
TRIM17	1	1,10E-05	7,38	1,02	6,68	Homo sapiens tripartite motif containing 17 (TRIM17), transcript variant 4, mRNA [NM_001134855]
C6orf222	6	3,55E-03	7,36	1,09	5,57	Homo sapiens chromosome 6 open reading frame 222 (C6orf222), mRNA [NM_001010903]
GCH1	14	2,60E-04	7,35	1,11	6,55	Homo sapiens GTP cyclohydrolase 1 (GCH1), transcript variant 1, mRNA [NM_000161]
MUC1	1	1,10E-04	7,33	1,48	6,43	Homo sapiens mucin 1, cell surface associated (MUC1), transcript variant 1,

						mRNA [NM_002456]
BCL2A1	15	2,31E-03	7,32	1,11	6,68	Homo sapiens BCL2-related protein A1 (BCL2A1), transcript variant 1, mRNA [NM_004049]
	11	1,17E-03	7,32	1,23	6,75	lincRNA:chr11:59026224-59031774 reverse strand
DTX3L	3	6,60E-06	7,28	1,31	7,31	Homo sapiens deltex 3-like (Drosophila) (DTX3L), mRNA [NM_138287]
HAS3	16	6,40E-05	7,28	1,26	6,16	Homo sapiens hyaluronan synthase 3 (HAS3), transcript variant 1, mRNA [NM_005329]
CBR3	21	3,49E-05	7,27	1,19	6,28	Homo sapiens carbonyl reductase 3 (CBR3), mRNA [NM_001236]
LOC283485	13	6,92E-04	7,26	-1,03	6,85	Homo sapiens cDNA FLJ36543 fis, clone TRACH2006194. [AK093862]
DHX58	17	9,92E-07	7,23	1,14	6,98	Homo sapiens DEXH (Asp-Glu-X-His) box polypeptide 58 (DHX58), mRNA [NM_024119]
MAFB	20	8,50E-05	7,22	1,51	6,61	Homo sapiens v-maf musculoaponeurotic fibrosarcoma oncogene homolog B (avian) (MAFB), mRNA [NM_005461]
PLAUR	19	5,17E-04	7,21	1,22	6,45	Homo sapiens plasminogen activator, urokinase receptor (PLAUR), transcript variant 3, mRNA [NM_001005377]
ART3	4	1,32E-04	7,17	1,01	7,21	Homo sapiens ADP-ribosyltransferase 3 (ART3), transcript variant 3, mRNA [NM_001130017]
RASGRP1	15	7,24E-04	7,16	1,34	6,39	Homo sapiens RAS guanyl releasing protein 1 (calcium and DAG-regulated) (RASGRP1), transcript variant 1, mRNA [NM_005739]
	17	1,27E-02	7,13	-1,04	6,52	Homo sapiens, Similar to nitric oxide synthase 2A (inducible, hepatocytes), clone IMAGE:5168672, mRNA. [BC044655]
CFB	6	5,40E-05	7,13	1,32	6,37	Homo sapiens complement factor B (CFB), mRNA [NM_001710]
PDE4DIP	1	4,11E-06	7,11	1,03	5,42	Homo sapiens phosphodiesterase

						4D interacting protein (PDE4DIP), transcript variant 9, mRNA [NM_001198834]
PRDM1	6	1,05E-03	7,11	-1,17	6,13	Homo sapiens PR domain containing 1, with ZNF domain (PRDM1), transcript variant 1, mRNA [NM_001198]
MYOM3	1	8,05E-06	7,10	1,34	6,82	Homo sapiens myomesin family, member 3 (MYOM3), mRNA [NM_152372]
IFIT5	10	4,15E-05	6,96	1,10	6,96	Homo sapiens interferon-induced protein with tetratricopeptide repeats 5 (IFIT5), mRNA [NM_012420]
TRIM31	6	1,53E-04	6,96	-1,34	6,94	Homo sapiens tripartite motif containing 31 (TRIM31), mRNA [NM_007028]
KIF12	9	3,99E-03	6,95	1,36	7,24	Homo sapiens kinesin family member 12 (KIF12), mRNA [NM_138424]
SP100	2	1,15E-05	6,95	1,16	6,26	Homo sapiens SP100 nuclear antigen (SP100), transcript variant 2, mRNA [NM_003113]
SLC4A1	17	3,29E-04	6,92	1,11	5,17	Homo sapiens solute carrier family 4, anion exchanger, member 1 (erythrocyte membrane protein band 3, Diego blood group) (SLC4A1), mRNA [NM_000342]
MAFB	20	7,90E-05	6,83	1,57	6,11	Homo sapiens v-maf musculoaponeurotic fibrosarcoma oncogene homolog B (avian) (MAFB), mRNA [NM_005461]
ARHGAP25	2	3,98E-06	6,82	1,18	6,19	Homo sapiens Rho GTPase activating protein 25 (ARHGAP25), transcript variant 1, mRNA [NM_001007231]
ENKUR	10	1,37E-05	6,80	3,03	10,03	Homo sapiens enkurin, TRPC channel interacting protein (ENKUR), mRNA [NM_145010]
KIAA1644	22	8,50E-03	6,79	1,48	4,61	Homo sapiens KIAA1644 (KIAA1644), mRNA [NM_001099294]
CYP27B1	12	1,19E-04	6,76	1,60	7,16	Homo sapiens cytochrome P450, family 27, subfamily

						B, polypeptide 1 (CYP27B1), nuclear gene encoding mitochondrial protein, mRNA [NM_000785]
CSF2	5	1,11E-02	6,75	-1,06	6,65	Homo sapiens colony stimulating factor 2 (granulocyte-macrophage) (CSF2), mRNA [NM_000758]
CXCL2	4	6,84E-05	6,68	1,30	5,98	Homo sapiens chemokine (C-X-C motif) ligand 2 (CXCL2), mRNA [NM_002089]
FBXO6	1	1,41E-05	6,67	1,14	5,66	Homo sapiens F-box protein 6 (FBXO6), mRNA [NM_018438]
CH25H	10	1,76E-03	6,64	-1,33	6,24	Homo sapiens cholesterol 25-hydroxylase (CH25H), mRNA [NM_003956]
PDZK1IP1	1	1,30E-03	6,55	2,59	6,52	Homo sapiens PDZK1 interacting protein 1 (PDZK1IP1), mRNA [NM_005764]
PDE4DIP	1	3,59E-06	6,54	1,11	5,55	Homo sapiens phosphodiesterase 4D interacting protein (PDE4DIP), transcript variant 9, mRNA [NM_001198834]
	1_gl000192_random	1,22E-04	6,53	-1,09	6,14	Homo sapiens cDNA clone IMAGE:6499259, partial cds. [BC070144]
GGT6	17	7,31E-05	6,52	-1,21	4,61	Homo sapiens gamma-glutamyltransferase 6 (GGT6), transcript variant 2, mRNA [NM_153338]
CD40	20	3,44E-05	6,47	1,07	6,28	Homo sapiens CD40 molecule, TNF receptor superfamily member 5 (CD40), transcript variant 1, mRNA [NM_001250]
C4B	6	3,66E-07	6,46	-1,04	4,64	Homo sapiens complement component 4B (Chido blood group) (C4B), mRNA [NM_001002029]
MTMR9LP	1	6,17E-06	6,45	-1,07	6,27	Homo sapiens myotubularin related protein 9-like, pseudogene (MTMR9LP), non-coding RNA [NR_026850]
	6	1,88E-03	6,44	1,18	5,64	lincRNA:chr6:22147357-22194410 reverse

						strand
	8	6,00E-04	6,42	-1,05	6,28	lincRNA:chr8:90736857-90737871 reverse strand
PTAFR	1	1,27E-03	6,40	1,19	5,46	Homo sapiens platelet-activating factor receptor (PTAFR), transcript variant 3, mRNA [NM_000952]
SLC10A2	13	3,55E-02	6,39	-1,40	5,34	Homo sapiens solute carrier family 10 (sodium/bile acid cotransporter family), member 2 (SLC10A2), mRNA [NM_000452]
PDP1	8	8,37E-06	6,36	1,23	6,09	Homo sapiens pyruvate dehyrogenase phosphatase catalytic subunit 1 (PDP1), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA [NM_001161779]
C2	6	7,69E-04	6,35	-1,13	5,39	Homo sapiens complement component 2 (C2), transcript variant 3, mRNA [NM_001178063]
INHBB	2	8,58E-03	6,35	1,50	4,62	Homo sapiens inhibin, beta B (INHBB), mRNA [NM_002193]
PRRT2	16	1,02E-04	6,33	-1,11	6,56	Homo sapiens proline-rich transmembrane protein 2 (PRRT2), mRNA [NM_145239]
BTC	4	1,72E-04	6,30	-1,25	5,58	Homo sapiens betacellulin (BTC), mRNA [NM_001729]
LOC646999	7	3,26E-05	6,29	-1,20	5,25	Homo sapiens akirin 1 pseudogene (LOC646999), non-coding RNA [NR_024390]
GBP3	1	5,37E-07	6,27	1,05	6,45	Homo sapiens guanylate binding protein 3 (GBP3), mRNA [NM_018284]
HERC6	4	2,99E-04	6,26	-1,30	4,35	Homo sapiens hect domain and RLD 6 (HERC6), transcript variant 2, mRNA [NM_001165136]
NRP2	2	4,90E-05	6,25	1,19	5,63	Homo sapiens neuropilin 2 (NRP2), transcript variant 6, mRNA [NM_201264]
SP140L	2	2,83E-06	6,24	1,01	5,51	Homo sapiens SP140 nuclear body protein-like (SP140L), mRNA [NM_138402]

PLAT	8	1,07E-03	6,19	3,82	7,34	Homo sapiens plasminogen activator, tissue (PLAT), transcript variant 1, mRNA [NM_000930]
ITPKC	19	2,21E-04	6,17	1,09	5,04	Homo sapiens inositol-trisphosphate 3-kinase C (ITPKC), mRNA [NM_025194]
HLA-DRB6	6	9,19E-05	6,15	1,05	5,18	Homo sapiens major histocompatibility complex, class II, DR beta 6 (pseudogene) (HLA-DRB6), non-coding RNA [NR_001298]
PRDM1	6	1,76E-03	6,13	-1,18	4,69	Homo sapiens PR domain containing 1, with ZNF domain (PRDM1), transcript variant 1, mRNA [NM_001198]
APOL1	22	4,93E-05	6,07	-1,08	6,28	Homo sapiens apolipoprotein L, 1 (APOL1), transcript variant 2, mRNA [NM_145343]
CD38	4	1,17E-04	6,04	-1,28	5,10	Homo sapiens CD38 molecule (CD38), mRNA [NM_001775]
	3	1,57E-04	6,04	1,05	5,64	lincRNA:chr3:158458205-158460904 forward strand
LOC100128697	10	2,01E-03	6,03	1,58	5,99	Homo sapiens cDNA FLJ42049 fis, clone SPLEN2041720. [AK124043]
MAP3K8	10	5,71E-04	6,02	1,34	4,76	Homo sapiens mitogen-activated protein kinase kinase kinase 8 (MAP3K8), mRNA [NM_005204]
VEGFC	4	2,11E-07	6,02	1,14	6,33	Homo sapiens vascular endothelial growth factor C (VEGFC), mRNA [NM_005429]
IL33	9	1,63E-03	6,01	1,19	6,38	Homo sapiens interleukin 33 (IL33), transcript variant 1, mRNA [NM_033439]
PTN	7	5,37E-05	6,01	-1,55	4,74	Homo sapiens pleiotrophin (PTN), mRNA [NM_002825]
HSPA6	1	1,19E-04	6,00	1,71	4,97	Homo sapiens heat shock 70kDa protein 6 (HSP70B') (HSPA6), mRNA [NM_002155]
CXorf65	X	6,52E-04	6,00	1,32	4,62	Homo sapiens chromosome X open reading frame 65 (CXorf65), transcript variant 1, mRNA [NM_001025265]
ERAP2	5	4,65E-07	5,98	1,19	6,11	Homo sapiens endoplasmic reticulum

						aminopeptidase 2 (ERAP2), transcript variant 1, mRNA [NM_022350]
CTSO	4	8,96E-09	5,95	1,08	5,86	Homo sapiens cathepsin O (CTSO), mRNA [NM_001334]
TLR3	4	7,61E-05	5,94	1,30	5,73	Homo sapiens toll-like receptor 3 (TLR3), mRNA [NM_003265]
LMO2	11	4,42E-05	5,94	1,12	5,49	Homo sapiens LIM domain only 2 (rhombotin-like 1) (LMO2), transcript variant 1, mRNA [NM_005574]
MMP3	11	2,63E-03	5,93	1,99	7,08	Homo sapiens matrix metallopeptidase 3 (stromelysin 1, progelatinase) (MMP3), mRNA [NM_002422]
TRIM21	11	7,05E-07	5,92	1,14	5,65	Homo sapiens tripartite motif containing 21 (TRIM21), mRNA [NM_003141]
CEACAM1	19	1,66E-05	5,91	1,16	5,66	Homo sapiens carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein) (CEACAM1), transcript variant 1, mRNA [NM_001712]
HSD17B2	16	3,73E-04	5,86	1,62	5,82	Homo sapiens hydroxysteroid (17-beta) dehydrogenase 2 (HSD17B2), mRNA [NM_002153]
ASB2	14	1,14E-04	5,86	1,03	4,43	Homo sapiens ankyrin repeat and SOCS box containing 2 (ASB2), transcript variant 2, mRNA [NM_016150]
FAM20A	17	1,80E-02	5,82	1,04	6,66	Homo sapiens family with sequence similarity 20, member A (FAM20A), transcript variant 1, mRNA [NM_017565]
GAS1	9	2,40E-04	5,82	1,16	4,71	Homo sapiens growth arrest-specific 1 (GAS1), mRNA [NM_002048]
CD40	20	2,65E-05	5,79	1,03	5,33	Homo sapiens CD40 molecule, TNF receptor superfamily member 5 (CD40), transcript variant 1, mRNA [NM_001250]
IL15RA	10	8,18E-06	5,78	1,30	5,34	Homo sapiens interleukin 15 receptor, alpha (IL15RA), transcript variant 1, mRNA [NM_002189]

DACT1	14	2,55E-03	5,78	-1,03	4,03	Homo sapiens dapper, antagonist of beta-catenin, homolog 1 (Xenopus laevis) (DACT1), transcript variant 1, mRNA [NM_016651]
IRF7	11	3,72E-06	5,77	1,27	5,09	Homo sapiens interferon regulatory factor 7 (IRF7), transcript variant d, mRNA [NM_004031]
APOBEC3A	22	6,36E-03	5,76	-1,96	3,96	Homo sapiens apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3A (APOBEC3A), transcript variant 1, mRNA [NM_145699]
SP140	2	5,47E-07	5,75	-1,04	5,57	Homo sapiens SP140 nuclear body protein (SP140), transcript variant 1, mRNA [NM_007237]
	13	1,97E-05	5,71	1,11	5,93	Q5FW56_MOUSE (Q5FW56) Gm687 protein (Fragment), partial (19%) [THC2712321]
C16orf7	16	7,13E-07	5,69	1,02	5,20	Homo sapiens chromosome 16 open reading frame 7 (C16orf7), mRNA [NM_004913]
CTSC	11	1,63E-04	5,64	1,11	5,15	Homo sapiens cathepsin C (CTSC), transcript variant 3, mRNA [NM_001114173]
CA13	8	6,26E-07	5,64	1,02	5,72	Homo sapiens carbonic anhydrase XIII (CA13), mRNA [NM_198584]
TDRD7	9	2,32E-05	5,63	1,06	5,30	Homo sapiens tudor domain containing 7 (TDRD7), mRNA [NM_014290]
OSR1	2	9,48E-03	5,61	-1,25	5,65	Homo sapiens odd-skipped related 1 (Drosophila) (OSR1), mRNA [NM_145260]
STARD8	X	6,98E-04	5,59	-1,37	4,63	Homo sapiens StAR-related lipid transfer (START) domain containing 8 (STARD8), transcript variant 2, mRNA [NM_014725]
LOC642924	8	8,91E-04	5,58	1,05	6,07	Homo sapiens hypothetical LOC642924 (LOC642924), non-coding RNA [NR_033858]
ADCY4	14	2,60E-04	5,58	1,30	5,45	Homo sapiens adenylate cyclase 4 (ADCY4), transcript variant 2, mRNA

						[NM_139247]
CIITA	16	1,62E-03	5,58	1,17	4,71	Homo sapiens class II, major histocompatibility complex, transactivator (CIITA), mRNA [NM_000246]
FCGR2A	1	4,54E-03	5,57	-2,08	4,71	Homo sapiens Fc fragment of IgG, low affinity IIa, receptor (CD32) (FCGR2A), transcript variant 1, mRNA [NM_001136219]
VSNL1	2	3,79E-05	5,55	1,17	5,35	Homo sapiens visinin-like 1 (VSNL1), mRNA [NM_003385]
LOC151657	3	4,82E-04	5,53	-1,00	6,63	Homo sapiens cDNA FLJ33795 fis, clone CTONG1000097. [AK091114]
MYCN	2	1,62E-02	5,52	1,08	4,18	Homo sapiens v-myc myelocytomatosis viral related oncogene, neuroblastoma derived (avian) (MYCN), mRNA [NM_005378]
KLHDC7B	22	5,89E-06	5,50	1,13	5,36	Homo sapiens kelch domain containing 7B (KLHDC7B), mRNA [NM_138433]
LOC100134229	7	7,87E-07	5,49	1,28	5,68	Homo sapiens hypothetical LOC100134229 (LOC100134229), non-coding RNA [NR_024451]
TAPBPL	12	1,42E-04	5,49	1,08	5,30	Homo sapiens TAP binding protein-like (TAPBPL), mRNA [NM_018009]
GRAMD3	5	2,09E-06	5,46	1,06	4,94	Homo sapiens GRAM domain containing 3 (GRAMD3), transcript variant 2, mRNA [NM_023927]
TMEM106A	17	3,89E-05	5,44	-1,34	5,39	Homo sapiens transmembrane protein 106A (TMEM106A), mRNA [NM_145041]
LOC100507410	17	1,01E-02	5,42	1,10	7,02	Homo sapiens hypothetical LOC100507410 (LOC100507410), transcript variant 1, non-coding RNA [NR_040018]
BEST3	12	3,64E-02	5,42	1,06	4,13	Homo sapiens bestrophin 3 (BEST3), transcript

						variant 1, mRNA [NM_032735]
HLA-DQB1	6	1,07E-03	5,42	1,04	4,61	Homo sapiens major histocompatibility complex, class II, DQ beta 1 (HLA-DQB1), mRNA [NM_002123]
TGM2	20	2,80E-03	5,39	1,19	5,75	Homo sapiens transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase) (TGM2), transcript variant 1, mRNA [NM_004613]
RAB24	5	8,35E-05	5,39	1,02	4,35	Homo sapiens RAB24, member RAS oncogene family (RAB24), transcript variant 1, mRNA [NM_001031677]
HS3ST1	4	3,66E-04	5,38	1,49	5,13	Homo sapiens heparan sulfate (glucosamine) 3-O-sulfotransferase 1 (HS3ST1), mRNA [NM_005114]
FAM115C	7	1,17E-04	5,35	1,76	5,41	Homo sapiens family with sequence similarity 115, member C (FAM115C), transcript variant 3, mRNA [NM_001130026]
IL6	7	5,34E-05	5,34	1,05	5,43	Homo sapiens interleukin 6 (interferon, beta 2) (IL6), mRNA [NM_000600]
CASP1	11	1,64E-07	5,34	1,17	5,21	Homo sapiens caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase) (CASP1), transcript variant alpha, mRNA [NM_033292]
HLA-J	6	7,16E-06	5,33	1,10	4,92	Homo sapiens major histocompatibility complex, class I, J (pseudogene) (HLA-J), non-coding RNA [NR_024240]
HSD11B1	1	1,90E-03	5,32	1,07	5,46	Homo sapiens hydroxysteroid (11-beta) dehydrogenase 1 (HSD11B1), transcript variant 2, mRNA [NM_181755]
TRPM6	9	6,26E-04	5,32	1,18	4,69	Homo sapiens transient receptor potential cation channel, subfamily M, member 6 (TRPM6), transcript

						variant a, mRNA [NM_017662]
GUCA1B	6	6,31E-06	5,32	1,23	4,87	Homo sapiens guanylate cyclase activator 1B (retina) (GUCA1B), mRNA [NM_002098]
VAMP5	2	4,23E-06	5,30	1,09	4,68	Homo sapiens vesicle-associated membrane protein 5 (myobrevin) (VAMP5), mRNA [NM_006634]
ABI3BP	3	1,10E-03	5,30	1,06	5,42	Homo sapiens ABI family, member 3 (NESH) binding protein (ABI3BP), mRNA [NM_015429]
MUC4	3	2,06E-03	5,28	-1,11	4,25	Homo sapiens mucin 4, cell surface associated (MUC4), transcript variant 1, mRNA [NM_018406]
PML	15	9,48E-08	5,27	1,13	4,85	Homo sapiens promyelocytic leukemia (PML), transcript variant 8, mRNA [NM_033247]
ZNF878	19	7,72E-04	5,25	1,02	4,55	Homo sapiens zinc finger protein 878 (ZNF878), mRNA [NM_001080404]
CCRN4L	4	7,89E-05	5,25	1,15	4,46	Homo sapiens CCR4 carbon catabolite repression 4-like (S. cerevisiae) (CCRN4L), mRNA [NM_012118]
MMP12	11	3,53E-02	5,25	1,16	5,28	Homo sapiens matrix metallopeptidase 12 (macrophage elastase) (MMP12), mRNA [NM_002426]
LOC100129597	13	8,18E-03	5,24	1,49	5,13	PREDICTED: Homo sapiens hypothetical LOC100129597 (LOC100129597), partial miscRNA [XR_110123]
SP100	2	1,46E-05	5,20	-1,16	4,91	Homo sapiens SP100 nuclear antigen (SP100), transcript variant 1, mRNA [NM_001080391]
LYN	8	2,06E-05	5,17	1,52	4,89	Homo sapiens v-yes-1 Yamaguchi sarcoma viral related oncogene homolog (LYN), transcript variant 1, mRNA [NM_002350]
NLRP3	1	4,00E-03	5,17	1,15	5,49	Homo sapiens NLR family, pyrin domain containing 3 (NLRP3), transcript variant 3, mRNA [NM_001079821]

GPR68	14	3,85E-05	5,17	1,77	5,59	Homo sapiens G protein-coupled receptor 68 (GPR68), transcript variant 2, mRNA [NM_003485]
IL12A	3	5,39E-05	5,14	-1,34	4,88	Homo sapiens interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35) (IL12A), mRNA [NM_000882]
DYRK4	12	1,60E-07	5,14	1,09	4,75	Homo sapiens dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 4 (DYRK4), mRNA [NM_003845]
CMPK2	2	1,61E-03	5,13	-1,14	4,79	Homo sapiens cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial, mRNA (cDNA clone MGC:164756 IMAGE:40147165), complete cds. [BC141802]
CASP10	2	1,01E-04	5,13	-1,22	4,25	Homo sapiens caspase 10, apoptosis-related cysteine peptidase (CASP10), transcript variant 2, mRNA [NM_032974]
IRF9	14	1,04E-04	5,12	1,51	4,85	Homo sapiens interferon regulatory factor 9 (IRF9), mRNA [NM_006084]
	1	2,74E-03	5,11	1,16	5,99	DB335107 SYNOV4 Homo sapiens cDNA clone SYNOV4009599 3', mRNA sequence [DB335107]
UBA7	3	5,25E-07	5,08	1,23	5,03	Homo sapiens ubiquitin-like modifier activating enzyme 7 (UBA7), mRNA [NM_003335]
GPR143	X	1,70E-04	5,08	1,14	4,64	Homo sapiens G protein-coupled receptor 143 (GPR143), mRNA [NM_000273]
FYB	5	9,89E-06	5,07	1,07	5,00	Homo sapiens FYN binding protein (FYB), transcript variant 1, mRNA [NM_001465]
ADAM8	10	4,88E-05	5,07	1,19	5,39	Homo sapiens ADAM metallopeptidase domain 8 (ADAM8), transcript variant 1, mRNA [NM_001109]
GCH1	14	4,94E-04	5,05	-1,03	4,59	Homo sapiens GTP

						cyclohydrolase 1 (GCH1), transcript variant 4, mRNA [NM_001024071]
IFI6	1	9,29E-05	5,05	1,31	4,26	Homo sapiens interferon, alpha-inducible protein 6 (IFI6), transcript variant 3, mRNA [NM_022873]
CASP10	2	8,27E-07	5,04	1,08	4,89	Homo sapiens caspase 10, apoptosis-related cysteine peptidase (CASP10), transcript variant 1, mRNA [NM_032977]
PHF11	13	3,56E-07	5,01	1,18	4,55	Homo sapiens PHD finger protein 11 (PHF11), transcript variant 1, mRNA [NM_001040443]
ALPK1	4	6,97E-06	5,01	1,14	4,98	Homo sapiens alpha-kinase 1 (ALPK1), transcript variant 1, mRNA [NM_025144]
IL1A	2	1,85E-03	5,00	1,03	4,48	Homo sapiens interleukin 1, alpha (IL1A), mRNA [NM_000575]
STEAP4	7	7,85E-05	4,98	-1,08	3,80	Homo sapiens STEAP family member 4 (STEAP4), transcript variant 2, mRNA [NM_001205315]
PION	7	2,24E-04	4,96	-1,24	4,86	pigeon homolog (Drosophila) [Source:HGNC Symbol;Acc:28042] [ENST00000334003]
FLT3LG	19	7,63E-06	4,95	1,10	4,84	Homo sapiens fms-related tyrosine kinase 3 ligand (FLT3LG), transcript variant 3, mRNA [NM_001459]
JAK2	9	1,36E-05	4,92	1,09	4,31	Homo sapiens Janus kinase 2 (JAK2), mRNA [NM_004972]
SERPINB9	6	7,30E-04	4,92	1,21	4,76	Homo sapiens serpin peptidase inhibitor, clade B (ovalbumin), member 9 (SERPINB9), mRNA [NM_004155]
TNFSF10	3	1,25E-06	4,92	1,29	4,61	Homo sapiens tumor necrosis factor (ligand) superfamily, member 10 (TNFSF10), transcript variant 1, mRNA [NM_003810]
ECSCR	5	2,76E-03	4,91	1,05	5,51	Homo sapiens endothelial cell-specific chemotaxis regulator (ECSCR), mRNA [NM_001077693]

C21orf63	21	1,17E-03	4,91	1,31	4,51	Homo sapiens chromosome 21 open reading frame 63 (C21orf63), mRNA [NM_058187]
	11	1,62E-05	4,90	1,29	4,70	lincRNA:chr11:104774117-104789800 reverse strand
SCN9A	2	6,11E-05	4,89	-1,32	4,04	Homo sapiens sodium channel, voltage-gated, type IX, alpha subunit (SCN9A), mRNA [NM_002977]
TNFRSF14	1	1,01E-06	4,88	1,07	4,91	Homo sapiens tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediator) (TNFRSF14), mRNA [NM_003820]
XLOC_002746	3	7,95E-04	4,88	-1,10	4,94	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
SAA2	11	1,52E-04	4,87	1,38	5,29	Homo sapiens serum amyloid A2 (SAA2), transcript variant 2, mRNA [NM_001127380]
PDPN	1	2,04E-05	4,87	1,26	4,89	Homo sapiens podoplanin (PDPN), transcript variant 2, mRNA [NM_198389]
NRP2	2	1,03E-04	4,83	1,29	4,78	Homo sapiens neuropilin 2 (NRP2), transcript variant 1, mRNA [NM_201266]
SERPINB2	18	8,94E-05	4,82	-1,17	3,96	Homo sapiens serpin peptidase inhibitor, clade B (ovalbumin), member 2 (SERPINB2), transcript variant 2, mRNA [NM_002575]
CASP5	11	8,27E-06	4,82	1,30	4,61	Homo sapiens caspase 5, apoptosis-related cysteine peptidase (CASP5), transcript variant a, mRNA [NM_004347]
TNFAIP3	6	4,97E-04	4,80	-1,14	4,74	Homo sapiens tumor necrosis factor, alpha-induced protein 3 (TNFAIP3), mRNA [NM_006290]
GSDMD	8	9,44E-05	4,80	1,13	4,62	Homo sapiens gasdermin D (GSDMD), transcript variant 1, mRNA [NM_024736]
CD47	3	3,62E-06	4,79	1,39	4,49	Homo sapiens CD47 molecule (CD47), transcript variant 2, mRNA [NM_198793]
CPNE8	12	8,13E-05	4,77	1,32	4,70	Homo sapiens

						copine VIII (CPNE8), mRNA [NM_153634]
	2	6,48E-06	4,75	1,42	4,69	lincRNA:chr2:231271206-231276381 forward strand
RAD51D	17	6,93E-05	4,75	-1,02	4,16	Homo sapiens RAD51 homolog D (S. cerevisiae) (RAD51D), transcript variant 1, mRNA [NM_002878]
RNF114	20	1,35E-05	4,74	1,08	4,29	Homo sapiens ring finger protein 114 (RNF114), mRNA [NM_018683]
MMP21	10	6,04E-05	4,73	-1,10	4,18	Homo sapiens matrix metallopeptidase 21 (MMP21), mRNA [NM_147191]
IRAK2	3	1,36E-04	4,72	1,12	4,92	Homo sapiens interleukin-1 receptor-associated kinase 2 (IRAK2), mRNA [NM_001570]
JHDM1D	7	1,15E-05	4,72	1,32	4,74	Homo sapiens jumonji C domain containing histone demethylase 1 homolog D (S. cerevisiae) (JHDM1D), mRNA [NM_030647]
RILP	17	6,28E-04	4,72	1,16	4,09	Homo sapiens Rab interacting lysosomal protein (RILP), mRNA [NM_031430]
TMPRSS11A	4	1,32E-02	4,71	1,30	4,26	Homo sapiens transmembrane protease, serine 11A (TMPRSS11A), transcript variant 1, mRNA [NM_182606]
RBM20	10	7,54E-07	4,71	1,15	4,77	Homo sapiens RNA binding motif protein 20 (RBM20), mRNA [NM_001134363]
SBNO2	19	4,61E-06	4,70	1,63	4,52	Homo sapiens strawberry notch homolog 2 (Drosophila) (SBNO2), transcript variant 1, mRNA [NM_014963]
IFI27	14	4,39E-06	4,68	1,18	4,62	Homo sapiens interferon, alpha-inducible protein 27 (IFI27), transcript variant 2, mRNA [NM_005532]
HLA-E	6	1,46E-09	4,68	1,09	4,27	Homo sapiens major histocompatibility complex, class I, E (HLA-E), mRNA [NM_005516]
XLOC_004881	5	7,08E-05	4,67	-1,55	3,61	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)

ASS1	9	3,25E-03	4,67	1,09	3,75	Homo sapiens argininosuccinate synthase 1 (ASS1), transcript variant 1, mRNA [NM_000050]
USP18	22	2,68E-05	4,64	1,30	4,44	Homo sapiens ubiquitin specific peptidase 18 (USP18), mRNA [NM_017414]
CASP10	2	1,10E-04	4,63	-1,11	3,81	Homo sapiens caspase 10, apoptosis-related cysteine peptidase (CASP10), transcript variant 1, mRNA [NM_032977]
TAGAP	6	1,35E-03	4,61	1,09	3,17	Homo sapiens T-cell activation RhoGTPase activating protein (TAGAP), transcript variant 2, mRNA [NM_054114]
HLA-B	6	4,15E-07	4,60	1,01	4,54	Homo sapiens major histocompatibility complex, class I, B (HLA-B), mRNA [NM_005514]
BTN3A1	6	3,69E-06	4,60	1,22	4,35	Homo sapiens butyrophilin, subfamily 3, member A1 (BTN3A1), transcript variant 1, mRNA [NM_007048]
C2CD4B	15	1,88E-03	4,59	-1,28	4,25	Homo sapiens C2 calcium-dependent domain containing 4B (C2CD4B), mRNA [NM_001007595]
KRT35	17	3,04E-03	4,58	1,00	4,27	Homo sapiens keratin 35 (KRT35), mRNA [NM_002280]
SLC12A7	5	1,82E-07	4,58	-1,02	4,52	Homo sapiens solute carrier family 12 (potassium/chloride transporters), member 7 (SLC12A7), mRNA [NM_006598]
PSME2	14	3,22E-07	4,55	1,09	4,74	Homo sapiens proteasome (prosome, macropain) activator subunit 2 (PA28 beta) (PSME2), mRNA [NM_002818]
LY75	2	2,86E-05	4,55	1,17	4,71	Homo sapiens lymphocyte antigen 75 (LY75), mRNA [NM_002349]
P2RX7	12	1,76E-02	4,54	1,01	3,14	Homo sapiens purinergic receptor P2X, ligand-gated ion channel, 7 (P2RX7), transcript variant 1, mRNA [NM_002562]

DRAM1	12	5,33E-07	4,53	1,08	4,27	Homo sapiens DNA-damage regulated autophagy modulator 1 (DRAM1), mRNA [NM_018370]
HLA-DRB3		1,40E-04	4,52	-1,17	3,60	Homo sapiens major histocompatibility complex, class II, DR beta 3 (HLA-DRB3), mRNA [NM_022555]
TMEM140	7	7,45E-06	4,50	-1,21	3,79	Homo sapiens transmembrane protein 140 (TMEM140), mRNA [NM_018295]
GLYATL1	11	3,66E-04	4,50	1,72	2,85	Homo sapiens glycine-N-acyltransferase-like 1 (GLYATL1), transcript variant 1, mRNA [NM_080661]
	2	2,67E-04	4,50	1,02	4,88	DB013410 TESOP2 Homo sapiens cDNA clone TESOP2001961 5', mRNA sequence [DB013410]
PML	15	9,54E-07	4,49	1,03	4,67	Homo sapiens promyelocytic leukemia (PML), transcript variant 5, mRNA [NM_033244]
DUOX2	15	8,95E-05	4,48	-1,10	3,36	Homo sapiens dual oxidase 2 (DUOX2), mRNA [NM_014080]
SSPN	12	3,66E-05	4,47	-1,07	3,93	Homo sapiens sarcospan (Kras oncogene-associated gene) (SSPN), transcript variant 1, mRNA [NM_005086]
TNFSF10	3	2,75E-05	4,47	1,23	3,65	Homo sapiens tumor necrosis factor (ligand) superfamily, member 10 (TNFSF10), transcript variant 1, mRNA [NM_003810]
TMEM229B	14	2,31E-06	4,46	1,03	4,57	Homo sapiens transmembrane protein 229B (TMEM229B), mRNA [NM_182526]
NRG1	8	1,26E-04	4,45	1,14	4,35	Homo sapiens neuregulin 1 (NRG1), transcript variant HRG-gamma, mRNA [NM_004495]
	2	1,12E-02	4,44	-1,21	5,37	lincRNA:chr2:102597068-102606493 forward strand
TRIM25	17	4,55E-06	4,42	1,01	4,14	Homo sapiens tripartite motif containing 25 (TRIM25), mRNA [NM_005082]
HSD3B7	16	4,69E-05	4,42	1,18	4,13	Homo sapiens hydroxy-delta-5-steroid

						dehydrogenase, 3 beta- and steroid delta-isomerase 7 (HSD3B7), transcript variant 2, mRNA [NM_001142777]
LOC100288797	20	8,36E-03	4,41	-1,20	3,80	Homo sapiens hypothetical protein LOC100288797 (LOC100288797), mRNA [NM_001167670]
	3	4,92E-04	4,40	1,47	3,67	lincRNA:chr3:106959773-107004511 reverse strand
CCDC3	10	2,92E-05	4,40	-1,22	3,92	Homo sapiens coiled-coil domain containing 3 (CCDC3), mRNA [NM_031455]
	8	1,51E-06	4,39	1,02	4,42	lincRNA:chr8:90733132-90733552 reverse strand
LOC100509702	16	9,25E-04	4,39	1,19	3,88	PREDICTED: Homo sapiens hypothetical protein LOC100509702 (LOC100509702), mRNA [XM_003119651]
CASP10	2	2,10E-06	4,39	1,15	4,14	Homo sapiens caspase 10, apoptosis-related cysteine peptidase (CASP10), transcript variant 2, mRNA [NM_032974]
ACSS1	20	5,73E-06	4,38	1,02	4,67	Homo sapiens acyl-CoA synthetase short-chain family member 1 (ACSS1), nuclear gene encoding mitochondrial protein, mRNA [NM_032501]
DOC2B	17	3,04E-03	4,38	1,04	3,91	Homo sapiens double C2-like domains, beta (DOC2B), mRNA [NM_003585]
HLA-C	6	5,29E-07	4,38	1,13	4,30	Homo sapiens major histocompatibility complex, class I, C (HLA-C), transcript variant 2, mRNA [NM_001243042]
ERP27	12	8,78E-06	4,37	1,85	3,86	Homo sapiens endoplasmic reticulum protein 27 (ERP27), mRNA [NM_152321]
IFIT1	10	2,26E-03	4,37	1,22	4,59	Homo sapiens interferon-induced protein with tetratricopeptide repeats 1 (IFIT1), transcript variant 2, mRNA [NM_001548]

LACTB	15	8,32E-05	4,36	1,10	3,86	Homo sapiens lactamase, beta (LACTB), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA [NM_171846]
NFKBIA	14	8,39E-05	4,36	1,10	4,14	Homo sapiens nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha (NFKBIA), mRNA [NM_020529]
HLA-F	6	9,75E-05	4,34	1,11	4,05	Homo sapiens major histocompatibility complex, class I, F (HLA-F), transcript variant 2, mRNA [NM_018950]
CDK18	1	5,02E-04	4,34	1,02	4,00	Homo sapiens cyclin-dependent kinase 18 (CDK18), transcript variant 1, mRNA [NM_212503]
FAM110C	2	3,06E-04	4,33	1,29	3,52	Homo sapiens family with sequence similarity 110, member C (FAM110C), mRNA [NM_001077710]
IFI16	1	1,18E-04	4,33	1,35	4,23	Homo sapiens interferon, gamma-inducible protein 16 (IFI16), transcript variant 2, mRNA [NM_005531]
PARP3	3	1,95E-05	4,32	1,21	4,01	Homo sapiens poly (ADP-ribose) polymerase family, member 3 (PARP3), transcript variant 2, mRNA [NM_005485]
SERPINB1	6	6,40E-04	4,32	1,36	3,79	Homo sapiens serpin peptidase inhibitor, clade B (ovalbumin), member 1 (SERPINB1), mRNA [NM_030666]
PARP10	8	3,01E-08	4,30	1,18	4,41	Homo sapiens poly (ADP-ribose) polymerase family, member 10 (PARP10), mRNA [NM_032789]
	22	5,04E-03	4,30	-1,21	4,22	lincRNA:chr22:28316350-28322975 reverse strand
LOC401433	7	9,25E-04	4,29	1,01	4,46	Homo sapiens cDNA FLJ45817 fis, clone NT2RP7020343. [AK127717]
MAN1A1	6	1,21E-04	4,28	1,42	4,09	Homo sapiens mannosidase, alpha, class 1A, member 1 (MAN1A1), mRNA [NM_005907]

	7	2,80E-04	4,25	1,31	4,09	lincRNA:chr7:116211205-116254737 reverse strand
LOC100509924	1	2,60E-03	4,24	-1,17	4,08	PREDICTED: Homo sapiens WD repeat-containing protein 65-like (LOC100509924), mRNA [XM_003119794]
FAM110C	2	1,10E-04	4,24	1,30	3,65	Homo sapiens family with sequence similarity 110, member C (FAM110C), mRNA [NM_001077710]
CCDC68	18	1,28E-07	4,23	-1,03	4,49	Homo sapiens coiled-coil domain containing 68 (CCDC68), transcript variant 1, mRNA [NM_025214]
NRG1	8	4,22E-05	4,22	1,12	4,24	Homo sapiens neuregulin 1 (NRG1), transcript variant HRG-gamma, mRNA [NM_004495]
PDE4DIP	1	2,91E-04	4,22	1,40	3,11	Homo sapiens phosphodiesterase 4D interacting protein (PDE4DIP), transcript variant 9, mRNA [NM_001198834]
LZTS1	8	9,06E-04	4,20	-1,43	3,07	Homo sapiens leucine zipper, putative tumor suppressor 1 (LZTS1), mRNA [NM_021020]
TMEM171	5	8,98E-05	4,18	-1,06	4,24	Homo sapiens transmembrane protein 171 (TMEM171), transcript variant 1, mRNA [NM_173490]
SHC4	15	9,29E-04	4,17	1,13	4,17	Homo sapiens SHC (Src homology 2 domain containing) family, member 4 (SHC4), mRNA [NM_203349]
FAM122C	X	4,00E-03	4,17	-1,19	4,41	Homo sapiens family with sequence similarity 122C (FAM122C), transcript variant 2, mRNA [NM_138819]
SLFN11	17	1,04E-06	4,17	1,12	4,25	Homo sapiens schlafen family member 11 (SLFN11), transcript variant 1, mRNA [NM_001104587]
TRANK1	3	2,98E-03	4,15	1,09	3,83	Homo sapiens tetratricopeptide repeat and ankyrin repeat containing 1 (TRANK1), mRNA

						[NM_014831]
CASP4	11	4,50E-06	4,15	1,22	4,09	Homo sapiens caspase 4, apoptosis-related cysteine peptidase (CASP4), transcript variant gamma, mRNA [NM_033306]
LOC100506342	8	2,11E-06	4,13	-1,26	4,26	PREDICTED: Homo sapiens hypothetical LOC100506342 (LOC100506342), partial miscRNA [XR_108862]
	14	6,64E-04	4,12	-1,04	4,28	Homo sapiens mRNA for FLJ00217 protein. [AK074144]
RHBDF2	17	5,70E-07	4,11	1,11	3,88	Homo sapiens rhomboid 5 homolog 2 (Drosophila) (RHBDF2), transcript variant 1, mRNA [NM_024599]
CFHR4	1	1,11E-03	4,11	-1,28	3,76	Homo sapiens complement factor H-related 4 (CFHR4), transcript variant 3, mRNA [NM_006684]
CPNE5	6	2,14E-06	4,10	1,20	4,18	Homo sapiens copine V (CPNE5), mRNA [NM_020939]
MMP10	11	5,22E-03	4,10	1,28	3,64	Homo sapiens matrix metallopeptidase 10 (stromelysin 2) (MMP10), mRNA [NM_002425]
PMAIP1	18	7,42E-06	4,10	-1,10	4,05	Homo sapiens phorbol-12-myristate-13-acetate-induced protein 1 (PMAIP1), mRNA [NM_021127]
CEBPE	14	1,27E-03	4,09	-1,41	3,83	Homo sapiens CCAAT/enhancer binding protein (C/EBP), epsilon (CEBPE), mRNA [NM_001805]
LY96	8	5,72E-06	4,09	-1,11	3,27	Homo sapiens lymphocyte antigen 96 (LY96), transcript variant 1, mRNA [NM_015364]
TMEM173	5	1,40E-04	4,08	1,22	4,02	Homo sapiens transmembrane protein 173 (TMEM173), nuclear gene encoding mitochondrial protein, mRNA [NM_198282]
B2M	15	1,99E-07	4,08	1,13	3,85	Homo sapiens beta-2-microglobulin (B2M), mRNA [NM_004048]
UGDH	4	1,72E-05	4,08	1,15	3,70	Homo sapiens UDP-glucose 6-dehydrogenase (UGDH), transcript variant 1, mRNA

						[NM_003359]
PTGS2	1	6,01E-05	4,08	1,22	4,11	Homo sapiens prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase) (PTGS2), mRNA [NM_000963]
SLC25A28	10	2,36E-06	4,08	1,13	3,72	Homo sapiens solute carrier family 25, member 28 (SLC25A28), mRNA [NM_031212]
TXK	4	4,04E-03	4,07	1,52	3,27	Homo sapiens TXK tyrosine kinase (TXK), mRNA [NM_003328]
ZEB1	10	5,11E-05	4,07	-1,51	3,82	Homo sapiens zinc finger E-box binding homeobox 1 (ZEB1), transcript variant 1, mRNA [NM_001128128]
TPRN	9	1,37E-03	4,07	-1,06	3,35	Homo sapiens taperin (TPRN), mRNA [NM_001128228]
ASS1	9	3,93E-03	4,06	-1,66	3,68	Homo sapiens argininosuccinate synthase 1 (ASS1), transcript variant 1, mRNA [NM_000050]
ABI3BP	3	7,94E-05	4,06	-1,26	3,56	Homo sapiens ABI family, member 3 (NESH) binding protein (ABI3BP), mRNA [NM_015429]
LAT2	7	2,87E-04	4,06	-1,03	3,45	Homo sapiens linker for activation of T cells family, member 2 (LAT2), transcript variant 1, mRNA [NM_032464]
CSRNP1	3	9,27E-04	4,06	-1,04	3,29	Homo sapiens cysteine-serine-rich nuclear protein 1 (CSRNP1), mRNA [NM_033027]
USP43	17	6,37E-04	4,05	1,08	3,43	Homo sapiens ubiquitin specific peptidase 43 (USP43), mRNA [NM_153210]
NCOA7	6	1,80E-05	4,04	1,04	3,82	Homo sapiens nuclear receptor coactivator 7 (NCOA7), transcript variant 1, mRNA [NM_181782]
LOC154761	7	7,21E-04	4,04	1,52	3,80	Homo sapiens hypothetical LOC154761 (LOC154761), non-coding RNA [NR_015421]
CACNA2D1	7	4,73E-03	4,03	-1,14	4,22	Homo sapiens calcium channel,

						voltage-dependent, alpha 2/delta subunit 1 (CACNA2D1), mRNA [NM_000722]
SLC9A7	X	2,98E-04	4,03	-1,04	3,68	Homo sapiens solute carrier family 9 (sodium/hydrogen exchanger), member 7 (SLC9A7), mRNA [NM_032591]
TEAD4	12	3,45E-06	4,02	1,22	3,84	Homo sapiens TEA domain family member 4 (TEAD4), transcript variant 1, mRNA [NM_003213]
	13	1,07E-04	4,02	1,05	3,78	lincRNA:chr13:106751024-106760449 reverse strand
RND1	12	4,67E-03	4,02	1,06	3,54	Homo sapiens Rho family GTPase 1 (RND1), mRNA [NM_014470]
IL8	4	6,94E-03	4,02	1,26	4,49	Homo sapiens interleukin 8 (IL8), mRNA [NM_000584]
HBEGF	5	7,03E-04	4,02	1,10	3,38	Homo sapiens heparin-binding EGF-like growth factor (HBEGF), mRNA [NM_001945]
INSC	11	3,52E-03	4,02	1,44	4,99	Homo sapiens inscuteable homolog (Drosophila) (INSC), transcript variant 1, mRNA [NM_001031853]
PLOD2	3	6,70E-03	4,01	1,17	4,30	Homo sapiens procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2 (PLOD2), transcript variant 1, mRNA [NM_182943]
ZNFX1	20	1,74E-04	4,00	1,33	3,60	Homo sapiens zinc finger, NFX1-type containing 1 (ZNFX1), mRNA [NM_021035]
RAPH1	2	1,24E-04	4,00	1,10	3,65	Homo sapiens Ras association (RalGDS/AF-6) and pleckstrin homology domains 1 (RAPH1), transcript variant 1, mRNA [NM_213589]
RNF183	9	2,46E-03	4,00	2,18	3,70	Homo sapiens ring finger protein 183 (RNF183), mRNA [NM_145051]
HDAC4	2	1,71E-02	3,98	1,93	3,13	full-length cDNA clone CS0DI075YH20 of Placenta Cot 25-normalized of Homo sapiens (human). [CR625452]
	4	9,07E-04	3,97	1,02	4,29	lincRNA:chr4:124974717-125260135 forward strand

SLC2A3	12	9,75E-05	3,97	1,37	4,01	Homo sapiens solute carrier family 2 (facilitated glucose transporter), member 3 (SLC2A3), mRNA [NM_006931]
	22	4,68E-04	3,96	1,30	3,47	ubiquitin specific peptidase 41 [Source:HGNC Symbol;Acc:20070] [ENST00000454608]
TMEM106A	17	4,71E-04	3,96	-1,10	3,89	Homo sapiens transmembrane protein 106A (TMEM106A), mRNA [NM_145041]
HLA-DQB2	6	1,55E-02	3,96	-1,02	3,75	Homo sapiens major histocompatibility complex, class II, DQ beta 2 (HLA-DQB2), mRNA [NM_001198858]
C21orf63	21	6,72E-04	3,96	1,31	3,61	Homo sapiens chromosome 21 open reading frame 63 (C21orf63), mRNA [NM_058187]
	7	2,44E-03	3,96	-1,22	4,13	lincRNA:chr7:130568978-130792551 reverse strand
GBP6	1	5,95E-05	3,95	-1,12	3,94	Homo sapiens guanylate binding protein family, member 6 (GBP6), mRNA [NM_198460]
STAT2	12	1,82E-06	3,95	-1,00	4,00	Homo sapiens signal transducer and activator of transcription 2, 113kDa (STAT2), transcript variant 1, mRNA [NM_005419]
CFH	1	1,41E-04	3,94	1,17	3,27	Homo sapiens complement factor H (CFH), transcript variant 2, mRNA [NM_001014975]
SSTR2	17	3,07E-02	3,94	-1,08	2,48	Homo sapiens somatostatin receptor 2 (SSTR2), mRNA [NM_001050]
NOD2	16	9,99E-05	3,94	1,04	3,99	Homo sapiens nucleotide-binding oligomerization domain containing 2 (NOD2), mRNA [NM_022162]
OVOL1	11	7,09E-04	3,93	-1,25	3,20	Homo sapiens ovo-like 1(Drosophila) (OVOL1), mRNA [NM_004561]
CLMN	14	3,11E-05	3,93	1,23	3,80	Homo sapiens calmin (calponin-like, transmembrane) (CLMN), mRNA [NM_024734]
LOC100188947	10	8,41E-05	3,91	-1,17	3,24	Homo sapiens hypothetical LOC100188947

						(LOC100188947), non-coding RNA [NR_024467]
C1orf186	1	1,44E-03	3,91	1,04	3,21	Homo sapiens chromosome 1 open reading frame 186 (C1orf186), mRNA [NM_001007544]
GOLM1	9	2,91E-05	3,91	1,17	3,62	Homo sapiens golgi membrane protein 1 (GOLM1), transcript variant 1, mRNA [NM_016548]
BTN3A2	6	4,07E-06	3,89	1,25	4,10	Homo sapiens butyrophilin, subfamily 3, member A2 (BTN3A2), transcript variant 1, mRNA [NM_007047]
CARD16	11	1,44E-06	3,89	1,05	4,09	Homo sapiens caspase recruitment domain family, member 16 (CARD16), transcript variant 1, mRNA [NM_001017534]
RFX5	1	6,01E-07	3,88	1,12	3,79	Homo sapiens regulatory factor X, 5 (influences HLA class II expression) (RFX5), transcript variant 1, mRNA [NM_000449]
LGMN	14	1,06E-05	3,88	1,14	3,12	Homo sapiens legumain (LGMN), transcript variant 2, mRNA [NM_001008530]
HLA-C	6	3,04E-07	3,87	1,04	3,88	PREDICTED: Homo sapiens HLA class I histocompatibility antigen, Cw-15 alpha chain-like, transcript variant 2 (LOC100507681), mRNA [XM_003119360]
CFHR3	1	1,78E-05	3,86	1,15	3,16	Homo sapiens complement factor H-related 3 (CFHR3), transcript variant 1, mRNA [NM_021023]
NLRC5	16	6,39E-06	3,84	-1,10	3,63	Homo sapiens NLR family, CARD domain containing 5 (NLRC5), mRNA [NM_032206]
HLA-B	6	9,61E-07	3,84	1,06	3,86	Homo sapiens major histocompatibility complex, class I, B (HLA-B), mRNA [NM_005514]
CASP7	10	9,95E-05	3,84	1,12	3,93	Homo sapiens caspase 7, apoptosis-related cysteine peptidase (CASP7), transcript variant delta, mRNA [NM_033338]

GRAMD1B	11	1,22E-04	3,83	-2,04	3,84	Homo sapiens GRAM domain containing 1B (GRAMD1B), mRNA [NM_020716]
SLC9A7P1	12	5,93E-04	3,82	-1,11	3,71	Homo sapiens solute carrier family 9 (sodium/hydrogen exchanger), member 7 pseudogene (LOC121456), non-coding RNA [NR_033801]
HERC5	4	5,93E-04	3,82	1,24	3,93	Homo sapiens hect domain and RLD 5 (HERC5), mRNA [NM_016323]
DENND3	8	8,52E-06	3,82	-1,03	3,36	Homo sapiens DENN/MADD domain containing 3 (DENND3), mRNA [NM_014957]
	8	6,88E-07	3,82	-1,01	3,93	lincRNA:chr8:90733171-90734578 reverse strand
JHDM1D	7	6,75E-05	3,82	-1,04	4,01	Homo sapiens jumonji C domain containing histone demethylase 1 homolog D (S. cerevisiae) (JHDM1D), mRNA [NM_030647]
MAP3K8	10	1,25E-03	3,80	1,04	3,63	mitogen-activated protein kinase kinase kinase 8 [Source:HGNC Symbol;Acc:6860] [ENST00000375322]
DPYD	1	4,37E-03	3,80	1,12	2,60	Homo sapiens dihydropyrimidine dehydrogenase (DPYD), transcript variant 2, mRNA [NM_001160301]
BAALC	8	1,26E-05	3,79	1,05	3,57	brain and acute leukemia, cytoplasmic [Source:HGNC Symbol;Acc:14333] [ENST00000297574]
ADCY5	3	3,37E-02	3,78	1,00	2,65	Homo sapiens adenylate cyclase 5 (ADCY5), transcript variant 1, mRNA [NM_183357]
SPP1	4	8,57E-06	3,78	-1,02	5,18	Homo sapiens secreted phosphoprotein 1 (SPP1), transcript variant 1, mRNA [NM_001040058]
	8	1,06E-04	3,78	1,11	3,96	PREDICTED: Homo sapiens hypothetical protein LOC100507358 (LOC100507358), mRNA [XM_003119166]

CARHSP1	16	3,62E-06	3,77	1,44	3,68	Homo sapiens calcium regulated heat stable protein 1, 24kDa (CARHSP1), transcript variant 2, mRNA [NM_001042476]
PDZD2	5	4,95E-04	3,76	1,11	3,57	Homo sapiens PDZ domain containing 2 (PDZD2), mRNA [NM_178140]
DENND3	8	5,31E-04	3,76	1,13	3,47	DENN/MADD domain containing 3 [Source:HGNC Symbol;Acc:29134] [ENST00000520482]
CCRL2	3	1,94E-04	3,76	1,10	3,78	Homo sapiens chemokine (C-C motif) receptor-like 2 (CCRL2), transcript variant 1, mRNA [NM_003965]
	7	2,96E-04	3,75	1,18	3,68	lincRNA:chr7:116211022-116213798 reverse strand
BMP2	20	1,01E-02	3,75	-1,10	3,43	Homo sapiens bone morphogenetic protein 2 (BMP2), mRNA [NM_001200]
STARD5	15	6,03E-06	3,74	1,07	3,36	Homo sapiens StAR-related lipid transfer (START) domain containing 5 (STARD5), mRNA [NM_181900]
TNFAIP8L2	1	2,08E-02	3,72	1,04	2,29	Homo sapiens tumor necrosis factor, alpha-induced protein 8-like 2 (TNFAIP8L2), mRNA [NM_024575]
CXCL3	4	1,47E-03	3,72	1,19	3,89	Homo sapiens chemokine (C-X-C motif) ligand 3 (CXCL3), mRNA [NM_002090]
GOLM1	9	2,03E-05	3,72	1,16	3,14	Homo sapiens golgi membrane protein 1 (GOLM1), transcript variant 1, mRNA [NM_016548]
SP140	2	6,96E-07	3,72	1,05	3,10	Homo sapiens SP140 nuclear body protein (SP140), transcript variant 1, mRNA [NM_007237]
RFX5	1	8,68E-06	3,71	1,15	3,63	Homo sapiens regulatory factor X, 5 (influences HLA class II expression) (RFX5), transcript variant 1, mRNA [NM_000449]
	22	1,28E-03	3,70	1,22	3,55	Homo sapiens cDNA FLJ39598 fis, clone SKNSH2002866. [AK096917]
CARD17	11	1,00E-04	3,69	1,18	3,61	Homo sapiens caspase recruitment

						domain family, member 17 (CARD17), mRNA [NM_001007232]
SLC2A14	12	1,16E-04	3,69	1,38	4,07	solute carrier family 2 (facilitated glucose transporter), member 14 [Source:HGNC Symbol;Acc:18301] [ENST00000431042]
TGM5	15	2,16E-03	3,69	1,03	2,65	Homo sapiens transglutaminase 5 (TGM5), transcript variant 1, mRNA [NM_201631]
CFH	1	1,09E-06	3,68	1,05	3,59	Homo sapiens complement factor H (CFH), transcript variant 1, mRNA [NM_000186]
MAP2K3	17	6,29E-04	3,68	1,22	3,45	Homo sapiens mitogen-activated protein kinase kinase 3 (MAP2K3), transcript variant B, mRNA [NM_145109]
TRIM14	9	3,60E-06	3,68	1,15	3,47	Homo sapiens tripartite motif containing 14 (TRIM14), transcript variant 1, mRNA [NM_014788]
LOX	5	1,57E-03	3,67	1,06	3,72	Homo sapiens lysyl oxidase (LOX), transcript variant 1, mRNA [NM_002317]
WDR45	X	4,03E-03	3,67	1,53	3,44	WD repeat domain 45 [Source:HGNC Symbol;Acc:28912] [ENST00000376357]
	3	1,12E-02	3,67	1,31	4,00	lincRNA:chr3:106967787-106970300 forward strand
MRAS	3	2,81E-05	3,67	1,08	3,52	Homo sapiens muscle RAS oncogene homolog (MRAS), transcript variant 1, mRNA [NM_012219]
LIPH	3	1,06E-04	3,66	-1,57	2,86	Homo sapiens lipase, member H (LIPH), mRNA [NM_139248]
PCGF5	10	2,00E-05	3,66	1,10	3,38	polycomb group ring finger 5 [Source:HGNC Symbol;Acc:28264] [ENST00000490164]
XRN1	3	2,62E-06	3,65	-1,09	3,32	Homo sapiens 5'-3' exoribonuclease 1 (XRN1), transcript variant 1, mRNA [NM_019001]
CSRNP1	3	2,18E-03	3,64	-1,07	3,03	Homo sapiens cysteine-serine-rich nuclear protein 1 (CSRNP1), mRNA [NM_033027]
TRIM14	9	3,15E-06	3,64	1,14	3,95	Homo sapiens

						tripartite motif containing 14 (TRIM14), transcript variant 1, mRNA [NM_014788]
FAM115C	7	7,55E-05	3,64	1,58	3,88	Homo sapiens family with sequence similarity 115, member C (FAM115C), transcript variant 2, mRNA [NM_173678]
LOC115110	1	1,74E-03	3,64	-1,19	4,39	Homo sapiens hypothetical LOC115110 (LOC115110), non-coding RNA [NR_026927]
IRF2	4	4,37E-04	3,64	1,04	3,10	Homo sapiens interferon regulatory factor 2 (IRF2), mRNA [NM_002199]
LHFPL1	X	4,93E-02	3,63	1,53	4,04	Homo sapiens lipoma HMGIC fusion partner-like 1 (LHFPL1), mRNA [NM_178175]
HAAO	2	3,96E-03	3,63	1,08	2,84	Homo sapiens 3-hydroxyanthranilate 3,4-dioxygenase (HAAO), mRNA [NM_012205]
IL10RA	11	1,16E-03	3,63	-1,26	3,45	Homo sapiens interleukin 10 receptor, alpha (IL10RA), transcript variant 1, mRNA [NM_001558]
IL36G	2	7,59E-03	3,62	1,16	3,38	Homo sapiens interleukin 36, gamma (IL36G), mRNA [NM_019618]
FAM46C	1	4,02E-04	3,62	-1,29	2,97	Homo sapiens family with sequence similarity 46, member C (FAM46C), mRNA [NM_017709]
MB21D1	6	3,43E-06	3,61	1,00	3,47	Homo sapiens Mab-21 domain containing 1 (MB21D1), mRNA [NM_138441]
LMO7	13	5,93E-05	3,60	-1,17	2,60	Homo sapiens LIM domain 7 (LMO7), transcript variant 2, mRNA [NM_015842]
BCL3	19	4,19E-04	3,59	1,74	3,87	Homo sapiens B-cell CLL/lymphoma 3 (BCL3), mRNA [NM_005178]
XLOC_009868	12	1,60E-03	3,59	1,01	2,71	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
CLDN23	8	2,32E-05	3,59	-1,10	2,93	Homo sapiens claudin 23 (CLDN23), mRNA [NM_194284]
ENKUR	10	4,80E-03	3,59	1,17	5,05	Homo sapiens

						enkurin, TRPC channel interacting protein (ENKUR), mRNA [NM_145010]
	9	6,72E-05	3,59	-1,35	3,09	T cell receptor beta variable 21/OR9-2 (non-functional) [Source:HGNC Symbol;Acc:12199] [ENST00000331828]
LRRTM2	5	2,05E-02	3,58	1,03	5,29	Homo sapiens leucine rich repeat transmembrane neuronal 2 (LRRTM2), mRNA [NM_015564]
	6	4,18E-05	3,58	-1,09	3,33	lincRNA:chr6:147227807-147238032 reverse strand
CDCP1	3	9,85E-06	3,58	1,09	3,59	Homo sapiens CUB domain containing protein 1 (CDCP1), transcript variant 1, mRNA [NM_022842]
CTRL	16	3,63E-02	3,57	1,03	3,13	Homo sapiens chymotrypsin-like (CTRL), mRNA [NM_001907]
CDCP1	3	7,40E-04	3,57	1,04	2,99	Homo sapiens CUB domain containing protein 1 (CDCP1), transcript variant 2, mRNA [NM_178181]
ZNF267	16	1,59E-04	3,55	1,03	3,32	Homo sapiens zinc finger protein 267 (ZNF267), transcript variant 498723, mRNA [NM_003414]
ANO4	12	1,26E-04	3,54	1,09	3,38	Homo sapiens anoctamin 4 (ANO4), mRNA [NM_178826]
CFH	1	9,94E-05	3,54	1,12	2,89	Homo sapiens complement factor H (CFH), transcript variant 2, mRNA [NM_001014975]
TNFRSF9	1	1,72E-02	3,54	-1,21	3,29	Homo sapiens tumor necrosis factor receptor superfamily, member 9 (TNFRSF9), mRNA [NM_001561]
PLEKHF1	19	2,02E-04	3,52	1,09	3,03	Homo sapiens pleckstrin homology domain containing, family F (with FYVE domain) member 1 (PLEKHF1), mRNA [NM_024310]
FMNL1	17	1,98E-03	3,52	1,01	3,48	Homo sapiens formin-like 1 (FMNL1), mRNA [NM_005892]
C3	19	7,77E-04	3,51	1,18	2,82	Homo sapiens complement component 3 (C3), mRNA [NM_000064]
STAT3	17	1,73E-05	3,50	1,44	2,95	Homo sapiens signal transducer and

						activator of transcription 3 (acute-phase response factor) (STAT3), transcript variant 3, mRNA [NM_213662]
NUDCD1	8	3,61E-06	3,50	1,05	3,68	Homo sapiens NudC domain containing 1 (NUDCD1), transcript variant 1, mRNA [NM_032869]
	9	4,23E-03	3,49	-1,46	1,84	lincRNA:chr9:2759256-2760832 reverse strand
GSDMB	17	2,14E-03	3,49	1,03	3,50	Homo sapiens gasdermin B (GSDMB), transcript variant 3, mRNA [NM_001165958]
TMPRSS11A	4	2,87E-02	3,49	1,08	2,71	Homo sapiens transmembrane protease, serine 11A (TMPRSS11A), transcript variant 1, mRNA [NM_182606]
	7	1,14E-04	3,49	1,22	3,78	lincRNA:chr7:116209814-116238889 reverse strand
BBOX1	11	3,32E-04	3,48	-1,35	2,53	Homo sapiens butyrobetaine (gamma), 2-oxoglutarate dioxygenase (gamma-butyrobetaine hydroxylase) 1 (BBOX1), mRNA [NM_003986]
NTN1	17	8,85E-05	3,48	-1,18	3,19	Homo sapiens netrin 1 (NTN1), mRNA [NM_004822]
SLC25A22	11	1,70E-05	3,47	-1,00	3,49	Homo sapiens solute carrier family 25 (mitochondrial carrier: glutamate), member 22 (SLC25A22), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA [NM_024698]
RTKN	2	1,34E-05	3,46	-1,03	3,20	Homo sapiens rhotekin (RTKN), transcript variant 2, mRNA [NM_033046]
RAB27A	15	1,75E-06	3,46	1,26	3,07	Homo sapiens RAB27A, member RAS oncogene family (RAB27A), transcript variant 1, mRNA [NM_004580]
ZNFX1	20	1,91E-04	3,45	1,03	2,99	Homo sapiens zinc finger, NFX1-type containing 1 (ZNFX1), mRNA [NM_021035]
SLC6A14	X	4,90E-03	3,45	1,00	3,03	Homo sapiens solute

						carrier family 6 (amino acid transporter), member 14 (SLC6A14), mRNA [NM_007231]
	7	4,41E-06	3,43	-1,02	3,35	lincRNA:chr7:130567407-130598069 reverse strand
EDN1	6	3,56E-04	3,43	-1,18	2,86	Homo sapiens endothelin 1 (EDN1), transcript variant 1, mRNA [NM_001955]
MAST4	5	2,94E-04	3,43	-1,01	3,15	Homo sapiens microtubule associated serine/threonine kinase family member 4 (MAST4), transcript variant 2, mRNA [NM_198828]
DOCK10	2	6,01E-05	3,42	-1,15	2,99	Homo sapiens dedicator of cytokinesis 10 (DOCK10), mRNA [NM_014689]
PROCR	20	1,26E-04	3,41	1,13	3,49	Homo sapiens protein C receptor, endothelial (PROCR), mRNA [NM_006404]
CXCL1	4	8,13E-03	3,41	1,46	3,45	Homo sapiens chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha) (CXCL1), mRNA [NM_001511]
SLC39A8	4	2,88E-02	3,41	-1,07	3,83	Homo sapiens solute carrier family 39 (zinc transporter), member 8 (SLC39A8), transcript variant 3, mRNA [NM_001135147]
DDO	6	1,13E-04	3,40	1,29	3,96	Homo sapiens D-aspartate oxidase (DDO), transcript variant 1, mRNA [NM_003649]
IFNK	9	1,22E-02	3,40	-1,38	3,20	Homo sapiens interferon, kappa (IFNK), mRNA [NM_020124]
C1QTNF1	17	1,79E-02	3,39	1,01	3,47	Homo sapiens C1q and tumor necrosis factor related protein 1 (C1QTNF1), mRNA [NM_198594]
ADAMTSL3	15	5,42E-04	3,38	-1,09	2,69	Homo sapiens ADAMTS-like 3 (ADAMTSL3), mRNA [NM_207517]
SH3GL2	9	3,68E-02	3,38	1,43	3,07	Homo sapiens SH3-domain GRB2-like 2 (SH3GL2), mRNA [NM_003026]
EGOT	3	2,08E-03	3,38	1,28	3,18	Homo sapiens eosinophil granule ontogeny transcript

						(non-protein coding) (EGOT), non-coding RNA [NR_004428]
MAP2K3	17	5,12E-04	3,38	1,04	3,09	Homo sapiens mitogen-activated protein kinase kinase 3 (MAP2K3), transcript variant B, mRNA [NM_145109]
PPAPDC1A	10	1,45E-03	3,38	-1,02	2,52	Homo sapiens phosphatidic acid phosphatase type 2 domain containing 1A (PPAPDC1A), mRNA [NM_001030059]
BACH1	21	2,11E-05	3,37	1,11	3,49	Homo sapiens BTB and CNC homology 1, basic leucine zipper transcription factor 1 (BACH1), transcript variant 1, mRNA [NM_206866]
KIAA0664L3	16	3,35E-03	3,37	1,16	2,66	Homo sapiens KIAA0664-like 3 (KIAA0664L3), non-coding RNA [NR_024034]
IL13RA2	X	4,08E-02	3,36	1,24	4,26	Homo sapiens interleukin 13 receptor, alpha 2 (IL13RA2), mRNA [NM_000640]
MTHFR	1	8,91E-06	3,36	1,05	3,13	Homo sapiens methylenetetrahydrofolate reductase (NAD(P)H) (MTHFR), mRNA [NM_005957]
WDR25	14	4,25E-04	3,36	-1,04	3,30	Homo sapiens WD repeat domain 25 (WDR25), transcript variant 1, mRNA [NM_024515]
XLOC_002746	3	2,05E-05	3,36	1,01	3,02	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
C3orf23	3	4,29E-06	3,36	-1,01	2,89	Homo sapiens chromosome 3 open reading frame 23 (C3orf23), transcript variant 3, mRNA [NM_001029840]
SAMD9	7	1,03E-05	3,34	1,01	2,85	Homo sapiens sterile alpha motif domain containing 9 (SAMD9), transcript variant 1, mRNA [NM_017654]
SLC12A7	5	1,32E-02	3,34	-1,57	3,92	Homo sapiens solute carrier family 12 (potassium/chloride transporters), member 7 (SLC12A7), mRNA [NM_006598]
SLC44A4	6	1,71E-02	3,32	1,22	2,60	Homo sapiens solute

						carrier family 44, member 4 (SLC44A4), transcript variant 1, mRNA [NM_025257]
HLA-A	6	5,06E-04	3,31	1,07	3,11	Homo sapiens major histocompatibility complex, class I, A (HLA-A), transcript variant 1, mRNA [NM_002116]
RAPH1	2	1,18E-04	3,31	-1,21	2,99	Homo sapiens Ras association (RalGDS/AF-6) and pleckstrin homology domains 1 (RAPH1), transcript variant 3, mRNA [NM_203365]
ERAP1	5	7,03E-07	3,30	1,01	3,82	Homo sapiens endoplasmic reticulum aminopeptidase 1 (ERAP1), transcript variant 2, mRNA [NM_001040458]
SPOCD1	1	2,09E-05	3,30	-1,05	3,22	Homo sapiens SPOC domain containing 1 (SPOCD1), mRNA [NM_144569]
CASP8	2	1,58E-04	3,30	1,02	3,30	Homo sapiens caspase 8, apoptosis-related cysteine peptidase (CASP8), transcript variant B, mRNA [NM_033355]
GSDMC	8	2,05E-05	3,30	1,43	3,52	Homo sapiens gasdermin C (GSDMC), mRNA [NM_031415]
PSME1	14	3,03E-05	3,29	1,11	3,12	Homo sapiens proteasome (prosome, macropain) activator subunit 1 (PA28 alpha) (PSME1), transcript variant 1, mRNA [NM_006263]
FAM26F	6	2,52E-04	3,29	1,31	3,48	Homo sapiens family with sequence similarity 26, member F (FAM26F), mRNA [NM_001010919]
IFITM4P	6	7,21E-06	3,29	1,23	3,42	Homo sapiens interferon induced transmembrane protein 4 pseudogene (IFITM4P), non-coding RNA [NR_001590]
FAM65C	20	7,71E-03	3,28	1,16	3,00	Homo sapiens family with sequence similarity 65, member C (FAM65C), mRNA [NM_080829]
CREM	10	6,14E-05	3,27	1,04	2,91	Homo sapiens cAMP responsive element modulator (CREM),

						transcript variant 19, mRNA [NM_183013]
DOC2B	17	1,27E-03	3,26	-1,06	2,92	Homo sapiens double C2-like domains, beta (DOC2B), mRNA [NM_003585]
C5orf39	5	2,60E-03	3,26	-1,17	3,14	Homo sapiens chromosome 5 open reading frame 39 (C5orf39), mRNA [NM_001014279]
RALA	7	2,86E-05	3,26	1,03	3,17	Homo sapiens v-ral simian leukemia viral oncogene homolog A (ras related) (RALA), mRNA [NM_005402]
ZMYND15	17	1,27E-04	3,25	-1,03	3,16	Homo sapiens zinc finger, MYND-type containing 15 (ZMYND15), transcript variant 2, mRNA [NM_032265]
C5orf13	5	4,88E-03	3,25	1,55	2,91	Homo sapiens chromosome 5 open reading frame 13 (C5orf13), transcript variant 11, mRNA [NM_001142483]
UGCG	9	5,79E-05	3,24	1,10	3,13	Homo sapiens UDP-glucose ceramide glucosyltransferase (UGCG), mRNA [NM_003358]
TNS3	7	1,13E-04	3,23	1,14	3,08	Homo sapiens tensin 3 (TNS3), mRNA [NM_022748]
NAGS	17	2,15E-06	3,22	1,08	3,14	Homo sapiens N-acetylglutamate synthase (NAGS), mRNA [NM_153006]
MARCKSL1	1	7,21E-04	3,22	1,07	2,66	Homo sapiens MARCKS-like 1 (MARCKSL1), mRNA [NM_023009]
CTSC	11	2,30E-06	3,21	1,01	2,85	Homo sapiens cathepsin C (CTSC), transcript variant 2, mRNA [NM_148170]
LGALS14	19	1,20E-02	3,20	1,01	1,91	Homo sapiens lectin, galactoside-binding, soluble, 14 (LGALS14), transcript variant 2, mRNA [NM_203471]
TMCC3	12	4,31E-03	3,19	1,11	3,00	Homo sapiens transmembrane and coiled-coil domain family 3 (TMCC3), mRNA [NM_020698]
CCDC134	22	4,34E-04	3,19	1,12	2,78	Homo sapiens coiled-coil domain containing 134 (CCDC134), mRNA [NM_024821]

PARP8	5	2,42E-04	3,18	1,11	3,20	Homo sapiens poly (ADP-ribose) polymerase family, member 8 (PARP8), transcript variant 2, mRNA [NM_024615]
RAB3IP	12	2,38E-04	3,18	1,09	3,01	Homo sapiens RAB3A interacting protein (rabin3) (RAB3IP), transcript variant alpha 2, mRNA [NM_175623]
CLMN	14	1,28E-03	3,18	1,06	3,26	Homo sapiens calmin (calponin-like, transmembrane) (CLMN), mRNA [NM_024734]
ZFP36	19	2,16E-03	3,17	1,04	2,63	Homo sapiens zinc finger protein 36, C3H type, homolog (mouse) (ZFP36), mRNA [NM_003407]
	17	6,84E-03	3,17	1,44	3,26	Q4RKH8_TETNG (Q4RKH8) Chromosome 21 SCAF15029, whole genome shotgun sequence, partial (4%) [THC2702109]
OTUD4	4	4,40E-05	3,17	1,17	2,94	Homo sapiens OTU domain containing 4 (OTUD4), transcript variant 3, mRNA [NM_001102653]
BAK1	6	4,30E-07	3,16	1,10	2,88	Homo sapiens BCL2-antagonist/killer 1 (BAK1), mRNA [NM_001188]
JAK3	19	2,06E-02	3,16	1,35	4,35	Homo sapiens Janus kinase 3 (JAK3), mRNA [NM_000215]
UAP1	1	2,75E-04	3,16	1,20	3,06	Homo sapiens UDP-N-acteylglucosamine pyrophosphorylase 1 (UAP1), mRNA [NM_003115]
FAM70B	13	7,59E-04	3,15	1,10	2,81	Homo sapiens family with sequence similarity 70, member B (FAM70B), mRNA [NM_182614]
C3	19	1,60E-03	3,15	1,12	2,58	Homo sapiens complement component 3 (C3), mRNA [NM_000064]
LMO7	13	3,20E-05	3,15	-1,37	2,31	Homo sapiens LIM domain 7 (LMO7), transcript variant 1, mRNA [NM_005358]
RNF148	7	4,07E-04	3,14	-1,08	3,17	Homo sapiens ring finger protein 148 (RNF148), mRNA [NM_198085]
NFE2L3	7	3,81E-04	3,14	1,03	3,20	Homo sapiens nuclear factor (erythroid-derived 2)-like 3 (NFE2L3), mRNA [NM_004289]
MILR1	17	1,35E-02	3,14	-1,14	2,91	Homo sapiens mast

						cell immunoglobulin-like receptor 1 (MILR1), mRNA [NM_001085423]
LOC285965	7	3,57E-02	3,14	2,42	4,41	Homo sapiens hypothetical LOC285965 (LOC285965), non-coding RNA [NR_033897]
IL1B	2	7,53E-03	3,13	-1,31	3,04	Homo sapiens interleukin 1, beta (IL1B), mRNA [NM_000576]
	8	9,07E-04	3,13	-1,32	3,08	lincRNA:chr8:90623517-90627537 reverse strand
TMTC1	12	2,77E-05	3,12	1,01	2,76	Homo sapiens transmembrane and tetratricopeptide repeat containing 1 (TMTC1), transcript variant 2, mRNA [NM_175861]
MAFF	22	1,47E-03	3,12	1,04	2,71	Homo sapiens v-maf musculoaponeurotic fibrosarcoma oncogene homolog F (avian) (MAFF), transcript variant 1, mRNA [NM_012323]
NCRNA00152	2	2,37E-05	3,12	1,10	2,88	Homo sapiens non-protein coding RNA 152 (NCRNA00152), transcript variant 1, non-coding RNA [NR_024204]
LAMA2	6	6,37E-03	3,11	-1,11	2,97	Homo sapiens laminin, alpha 2 (LAMA2), transcript variant 1, mRNA [NM_000426]
S1PR3	9	1,94E-03	3,11	-1,02	2,48	Homo sapiens sphingosine-1-phosphate receptor 3 (S1PR3), mRNA [NM_005226]
DTX4	11	6,86E-05	3,11	1,10	2,84	Homo sapiens deltex homolog 4 (Drosophila) (DTX4), mRNA [NM_015177]
CHRD	3	1,95E-02	3,11	-1,10	2,12	Homo sapiens chordin (CHRD), mRNA [NM_003741]
SPRY4	5	7,52E-05	3,10	1,05	2,75	Homo sapiens sprouty homolog 4 (Drosophila) (SPRY4), transcript variant 1, mRNA [NM_030964]
SDSL	12	6,28E-05	3,10	1,01	2,84	Homo sapiens serine dehydratase-like (SDSL), mRNA [NM_138432]
CACNA1A	19	8,01E-04	3,10	1,06	3,06	Homo sapiens calcium channel, voltage-dependent, P/Q type, alpha 1A subunit (CACNA1A),

						transcript variant 2, mRNA [NM_023035]
LONRF1	8	9,24E-04	3,10	1,04	2,89	Homo sapiens LON peptidase N-terminal domain and ring finger 1 (LONRF1), mRNA [NM_152271]
CCDC85C	14	1,86E-04	3,09	1,25	2,78	Homo sapiens coiled-coil domain containing 85C (CCDC85C), mRNA [NM_001144995]
PLAU	10	8,29E-04	3,09	1,14	2,86	Homo sapiens plasminogen activator, urokinase (PLAU), transcript variant 2, mRNA [NM_001145031]
AVIL	12	3,60E-02	3,09	-1,50	2,79	Homo sapiens advillin (AVIL), mRNA [NM_006576]
EMP2	16	4,55E-04	3,09	-1,05	2,40	Homo sapiens epithelial membrane protein 2 (EMP2), mRNA [NM_001424]
CXCL17	19	1,57E-03	3,09	1,22	2,56	Homo sapiens chemokine (C-X-C motif) ligand 17 (CXCL17), mRNA [NM_198477]
EXOC3L4	14	2,64E-03	3,08	-1,24	3,18	Homo sapiens exocyst complex component 3-like 4 (EXOC3L4), mRNA [NM_001077594]
RBCK1	20	4,31E-04	3,08	1,05	2,93	Homo sapiens RanBP-type and C3HC4-type zinc finger containing 1 (RBCK1), transcript variant 2, mRNA [NM_031229]
ZEB1	10	2,43E-06	3,08	-1,25	3,29	Homo sapiens zinc finger E-box binding homeobox 1 (ZEB1), transcript variant 1, mRNA [NM_001128128]
NAV3	12	4,65E-03	3,07	-1,19	3,37	Homo sapiens neuron navigator 3 (NAV3), mRNA [NM_014903]
TGFB3	14	4,63E-04	3,07	1,20	3,09	Homo sapiens transforming growth factor, beta 3 (TGFB3), mRNA [NM_003239]
ADC	1	9,33E-03	3,07	1,18	2,72	Homo sapiens arginine decarboxylase (ADC), mRNA [NM_052998]
SEC24A	5	4,33E-04	3,07	1,15	2,96	Homo sapiens SEC24 family, member A (S. cerevisiae)

						(SEC24A), mRNA [NM_021982]
ROBO4	11	2,08E-03	3,07	1,27	3,61	Homo sapiens roundabout homolog 4, magic roundabout (Drosophila) (ROBO4), mRNA [NM_019055]
	22	8,15E-03	3,06	-1,02	3,25	lincRNA:chr22:35829799-35830277 forward strand
STAMBPL1	10	4,26E-03	3,06	1,21	2,50	Homo sapiens STAM binding protein-like 1 (STAMBPL1), mRNA [NM_020799]
FBXL5	4	5,95E-05	3,05	1,12	2,76	Homo sapiens F-box and leucine-rich repeat protein 5 (FBXL5), transcript variant 1, mRNA [NM_012161]
ADAR	1	1,73E-06	3,05	1,16	2,86	Homo sapiens adenosine deaminase, RNA-specific (ADAR), transcript variant 1, mRNA [NM_001111]
BDKRB1	14	9,52E-05	3,03	-1,01	2,66	Homo sapiens bradykinin receptor B1 (BDKRB1), mRNA [NM_000710]
XLOC_006702	8	4,32E-04	3,03	1,21	3,24	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
PANX1	11	1,79E-05	3,02	1,10	3,09	Homo sapiens pannexin 1 (PANX1), mRNA [NM_015368]
COL27A1	9	3,92E-05	3,01	-1,01	3,15	collagen, type XXVII, alpha 1 [Source:HGNC Symbol;Acc:22986] [ENST00000468565]
TGFA	2	1,68E-03	3,01	1,09	2,83	Homo sapiens transforming growth factor, alpha (TGFA), transcript variant 1, mRNA [NM_003236]
TP53BP2	1	1,15E-03	3,01	1,08	2,89	Homo sapiens tumor protein p53 binding protein, 2 (TP53BP2), transcript variant 2, mRNA [NM_005426]
TMEM62	15	8,94E-04	3,01	1,14	2,65	Homo sapiens transmembrane protein 62 (TMEM62), mRNA [NM_024956]
FOSL1	11	1,60E-04	3,01	1,07	2,76	Homo sapiens FOS-like antigen 1 (FOSL1), mRNA [NM_005438]
TNFSF14	19	2,96E-03	3,01	-1,38	3,15	Homo sapiens tumor necrosis factor (ligand) superfamily, member 14 (TNFSF14),

						transcript variant 1, mRNA [NM_003807]
PCYT1A	3	1,03E-04	3,00	1,05	2,72	Homo sapiens phosphate cytidylyltransferase 1, choline, alpha (PCYT1A), mRNA [NM_005017]
TRIB1	8	4,35E-05	3,00	-1,00	2,71	Homo sapiens tribbles homolog 1 (Drosophila) (TRIB1), mRNA [NM_025195]
SCN9A	2	3,72E-04	3,00	-1,07	3,47	Homo sapiens sodium channel, voltage-gated, type IX, alpha subunit (SCN9A), mRNA [NM_002977]
IL8	4	1,12E-03	2,99	1,41	2,40	interleukin 8 [Source:HGNC Symbol;Acc:6025] [ENST00000401931]
ARHGAP31	3	3,02E-02	2,99	1,12	2,48	Homo sapiens Rho GTPase activating protein 31 (ARHGAP31), mRNA [NM_020754]
FLJ32255	5	3,21E-04	2,99	1,27	2,66	PREDICTED: Homo sapiens hypothetical LOC643977 (FLJ32255), partial miscRNA [XR_108575]
	10	6,63E-03	2,99	-1,01	3,30	lincRNA:chr10:119266785-119280310 reverse strand
LOC646976	1	1,64E-02	2,97	-1,70	1,89	Homo sapiens cDNA FLJ38763 fis, clone KIDNE2014119. [AK096082]
STYK1	12	8,98E-04	2,97	1,06	2,89	Homo sapiens serine/threonine/tyrosine kinase 1 (STYK1), mRNA [NM_018423]
KIAA0040	1	6,51E-05	2,96	1,37	3,12	Homo sapiens KIAA0040 (KIAA0040), transcript variant 2, mRNA [NM_014656]
CXCR3	X	4,43E-04	2,96	-1,25	3,06	Homo sapiens chemokine (C-X-C motif) receptor 3 (CXCR3), transcript variant 1, mRNA [NM_001504]
CARD11	7	3,67E-04	2,96	1,08	2,59	Homo sapiens caspase recruitment domain family, member 11 (CARD11), mRNA [NM_032415]
ZNF276	16	7,08E-05	2,95	1,21	2,70	Homo sapiens zinc finger protein 276 (ZNF276), transcript variant a, mRNA [NM_001113525]
PVR	19	9,55E-05	2,95	1,11	2,67	Homo sapiens poliovirus receptor

						(PVR), transcript variant 1, mRNA [NM_006505]
P2RX7	12	4,52E-04	2,95	-1,05	2,60	Homo sapiens purinergic receptor P2X, ligand-gated ion channel, 7 (P2RX7), transcript variant 1, mRNA [NM_002562]
ITGB6	2	4,20E-04	2,95	-1,01	2,83	Homo sapiens integrin, beta 6 (ITGB6), mRNA [NM_000888]
TNFAIP8	5	6,03E-05	2,95	1,07	2,89	Homo sapiens tumor necrosis factor, alpha-induced protein 8 (TNFAIP8), transcript variant 1, mRNA [NM_014350]
BDKRB2	14	3,70E-04	2,95	1,11	2,68	Homo sapiens bradykinin receptor B2 (BDKRB2), mRNA [NM_000623]
TSPAN15	10	1,31E-02	2,94	1,17	2,47	Homo sapiens tetraspanin 15 (TSPAN15), mRNA [NM_012339]
	8	1,61E-03	2,94	-1,17	4,43	lincRNA:chr8:90618650-90619014 reverse strand
HLA-G	6	8,72E-05	2,94	1,04	2,91	Homo sapiens major histocompatibility complex, class I, G (HLA-G), mRNA [NM_002127]
MICB	6	4,07E-03	2,93	1,07	3,22	Homo sapiens MHC class I polypeptide-related sequence B (MICB), mRNA [NM_005931]
C10orf47	10	5,16E-04	2,93	1,41	2,73	Homo sapiens chromosome 10 open reading frame 47 (C10orf47), mRNA [NM_153256]
NT5C3	7	1,02E-05	2,93	1,08	2,76	Homo sapiens 5'-nucleotidase, cytosolic III (NT5C3), transcript variant 1, mRNA [NM_001002010]
NBN	8	2,64E-04	2,92	1,18	2,87	Homo sapiens nibrin (NBN), mRNA [NM_002485]
SEC24A	5	6,22E-04	2,92	-1,02	2,75	Homo sapiens SEC24 family, member A (S. cerevisiae), mRNA (cDNA clone MGC:12985 IMAGE:3355949), complete cds. [BC019341]
LOC150185	22	6,49E-03	2,92	1,18	4,33	Homo sapiens hypothetical LOC150185 (LOC150185), non-coding RNA

						[NR_024381]
MBP	18	2,17E-02	2,92	-1,06	2,50	Homo sapiens myelin basic protein (MBP), transcript variant 7, mRNA [NM_001025101]
MCTP1	5	8,68E-03	2,91	1,10	2,86	Homo sapiens multiple C2 domains, transmembrane 1 (MCTP1), transcript variant L, mRNA [NM_024717]
KLHL6	3	1,30E-02	2,91	-1,13	2,47	Homo sapiens kelch-like 6 (Drosophila) (KLHL6), mRNA [NM_130446]
CSF1	1	1,49E-04	2,91	-1,08	2,53	Homo sapiens colony stimulating factor 1 (macrophage) (CSF1), transcript variant 1, mRNA [NM_000757]
SDCBP2	20	3,08E-03	2,91	1,02	2,22	Homo sapiens syndecan binding protein (syntenin) 2 (SDCBP2), transcript variant 1, mRNA [NM_080489]
IFITM3	11	7,69E-06	2,91	1,21	2,91	Homo sapiens interferon induced transmembrane protein 3 (IFITM3), mRNA [NM_021034]
CD70	19	3,30E-02	2,91	-1,21	2,63	Homo sapiens CD70 molecule (CD70), mRNA [NM_001252]
STAT3	17	3,23E-05	2,90	1,28	2,65	Homo sapiens signal transducer and activator of transcription 3 (acute-phase response factor) (STAT3), transcript variant 3, mRNA [NM_213662]
BCAP29	7	5,00E-05	2,90	1,07	2,78	Homo sapiens B-cell receptor-associated protein 29 (BCAP29), transcript variant 2, mRNA [NM_018844]
GLRX	5	1,42E-04	2,89	1,24	3,10	Homo sapiens glutaredoxin (thioltransferase) (GLRX), transcript variant 1, mRNA [NM_002064]
CXCL1	4	7,25E-03	2,89	1,48	3,22	Homo sapiens chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha) (CXCL1), mRNA [NM_001511]
IFNAR2	21	5,29E-03	2,89	-1,03	2,99	Homo sapiens interferon (alpha, beta and omega) receptor 2 (IFNAR2), transcript variant 1,

						mRNA [NM_207585]
HLA-DPB2	6	5,97E-04	2,88	-1,18	2,84	Homo sapiens major histocompatibility complex, class II, DP beta 2 (pseudogene) (HLA-DPB2), non-coding RNA [NR_001435]
COL27A1	9	1,73E-03	2,88	-1,04	2,87	collagen, type XXVII, alpha 1 [Source:HGNC Symbol;Acc:22986] [ENST00000374106]
CCL4	17	3,86E-02	2,87	1,12	3,26	Homo sapiens chemokine (C-C motif) ligand 4 (CCL4), transcript variant 1, mRNA [NM_002984]
	6	9,18E-04	2,87	-1,13	2,72	major histocompatibility complex, class I, A [Source:HGNC Symbol;Acc:4931] [ENST00000464610]
PDE4DIP	1	3,18E-02	2,86	-1,36	1,64	Homo sapiens phosphodiesterase 4D interacting protein (PDE4DIP), transcript variant 9, mRNA [NM_001198834]
CAMTA1	1	1,24E-02	2,86	1,18	2,85	Homo sapiens calmodulin binding transcription activator 1 (CAMTA1), transcript variant 1, mRNA [NM_015215]
	17	1,23E-04	2,86	1,07	2,77	lincRNA:chr17:21435739-21477567 reverse strand
BTN3A1	6	1,19E-03	2,86	-1,16	3,10	Homo sapiens butyrophilin, subfamily 3, member A1 (BTN3A1), transcript variant 1, mRNA [NM_007048]
	5	3,03E-02	2,86	1,35	2,41	lincRNA:chr5:39521676-39524810 reverse strand
PATL2	15	2,34E-05	2,86	-1,13	2,75	Homo sapiens protein associated with topoisomerase II homolog 2 (yeast) (PATL2), mRNA [NM_001145112]
	2	3,41E-02	2,86	3,17	2,55	lincRNA:chr2:70571096-70619246 reverse strand
SELPLG	12	8,71E-03	2,86	1,20	2,58	Homo sapiens selectin P ligand (SELPLG), transcript variant 2, mRNA [NM_003006]
PDE4DIP	1	1,61E-04	2,86	1,13	2,62	Homo sapiens phosphodiesterase 4D interacting protein (PDE4DIP), transcript variant 5,

						mRNA [NM_001002811]
	2	1,37E-05	2,85	1,10	2,78	lincRNA:chr2:111965352-112252622 forward strand
KYNU	2	6,31E-03	2,85	1,18	2,83	Homo sapiens kynureninase (KYNU), transcript variant 2, mRNA [NM_001032998]
MAP2K3	17	1,34E-03	2,85	-1,01	2,77	Homo sapiens mitogen-activated protein kinase kinase 3 (MAP2K3), transcript variant B, mRNA [NM_145109]
EDN1	6	2,52E-04	2,85	-1,19	2,64	Homo sapiens endothelin 1 (EDN1), transcript variant 1, mRNA [NM_001955]
EIF4E3	3	8,33E-03	2,85	1,02	2,22	Homo sapiens eukaryotic translation initiation factor 4E family member 3 (EIF4E3), transcript variant 2, mRNA [NM_173359]
	1	1,87E-06	2,85	1,09	2,83	lincRNA:chr1:175126122-175161929 reverse strand
CASP8	2	9,46E-04	2,85	-1,05	2,43	Homo sapiens caspase 8, apoptosis-related cysteine peptidase (CASP8), transcript variant E, mRNA [NM_033358]
SELPLG	12	5,14E-04	2,85	1,11	2,49	Homo sapiens selectin P ligand (SELPLG), transcript variant 1, mRNA [NM_001206609]
	11	3,42E-02	2,84	1,29	3,35	lincRNA:chr11:72446627-72462602 reverse strand
RBCK1	20	1,18E-03	2,84	1,01	2,58	Homo sapiens RanBP-type and C3HC4-type zinc finger containing 1 (RBCK1), transcript variant 2, mRNA [NM_031229]
GSTK1	7	8,53E-05	2,84	1,07	2,50	Homo sapiens glutathione S-transferase kappa 1 (GSTK1), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_015917]
CISH	3	3,75E-03	2,83	1,12	2,35	Homo sapiens cytokine inducible SH2-containing protein (CISH), transcript variant 2, mRNA [NM_145071]
EIF2AK2	2	3,82E-06	2,83	1,06	2,54	Homo sapiens eukaryotic translation

						initiation factor 2-alpha kinase 2 (EIF2AK2), transcript variant 3, mRNA [NM_001135652]
PRSS57	19	4,46E-02	2,83	1,41	3,52	Homo sapiens protease, serine, 57 (PRSS57), mRNA [NM_214710]
ZNFX1	20	8,04E-04	2,82	-1,06	2,56	Homo sapiens zinc finger, NFX1-type containing 1 (ZNFX1), mRNA [NM_021035]
MOBKL2C	1	7,66E-07	2,82	1,03	2,42	Homo sapiens MOB1, Mps One Binder kinase activator-like 2C (yeast) (MOBKL2C), transcript variant 1, mRNA [NM_145279]
TRIM56	7	5,51E-07	2,82	1,05	2,69	Homo sapiens tripartite motif containing 56 (TRIM56), mRNA [NM_030961]
MOV10	1	1,05E-05	2,82	1,06	2,52	Homo sapiens Mov10, Moloney leukemia virus 10, homolog (mouse) (MOV10), transcript variant 1, mRNA [NM_020963]
	2	1,30E-05	2,82	1,03	2,56	lincRNA:chr2:37325696-37331035 reverse strand
CITED4	1	9,12E-05	2,82	1,20	2,91	Homo sapiens Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 4 (CITED4), mRNA [NM_133467]
MGC4859	7	3,42E-06	2,82	1,09	2,91	Homo sapiens hypothetical protein MGC4859 similar to HSPA8, mRNA (cDNA clone IMAGE:3605453), partial cds. [BC002644]
CTSC	11	4,14E-04	2,81	1,01	2,43	Homo sapiens cathepsin C (CTSC), transcript variant 1, mRNA [NM_001814]
NOTCH4	6	1,09E-02	2,81	1,08	2,57	Homo sapiens notch 4 (NOTCH4), mRNA [NM_004557]
C1orf220	1	4,52E-03	2,81	1,07	2,61	Homo sapiens chromosome 1 open reading frame 220 (C1orf220), non-coding RNA [NR_033186]
NT5C3	7	1,84E-05	2,81	1,06	2,76	Homo sapiens 5'-nucleotidase, cytosolic III (NT5C3), transcript variant 1, mRNA

						[NM_001002010]
ELOVL7	5	2,56E-03	2,80	-1,01	2,52	Homo sapiens ELOVL fatty acid elongase 7 (ELOVL7), transcript variant 1, mRNA [NM_024930]
OGFR	20	2,36E-06	2,80	1,03	2,57	Homo sapiens opioid growth factor receptor (OGFR), mRNA [NM_007346]
FAM71A	1	1,53E-02	2,80	1,33	2,66	Homo sapiens family with sequence similarity 71, member A (FAM71A), mRNA [NM_153606]
	7	2,00E-02	2,80	-1,29	3,41	lincRNA:chr7:77278214-77303939 forward strand
FAM117B	2	2,81E-03	2,79	1,05	2,57	family with sequence similarity 117, member B [Source:HGNC Symbol;Acc:14440] [ENST00000481658]
ADAMTSL3	15	1,33E-02	2,79	-1,17	2,18	Homo sapiens ADAMTS-like 3 (ADAMTSL3), mRNA [NM_207517]
CAPN3	15	1,91E-03	2,78	1,18	2,71	Homo sapiens calpain 3, (p94) (CAPN3), transcript variant 1, mRNA [NM_000070]
	7	1,63E-03	2,78	-1,17	3,08	lincRNA:chr7:130589527-130590094 reverse strand
C3orf38	3	3,93E-05	2,78	1,09	2,54	Homo sapiens chromosome 3 open reading frame 38 (C3orf38), mRNA [NM_173824]
TNS1	2	2,64E-03	2,78	1,02	2,82	Homo sapiens tensin 1 (TNS1), mRNA [NM_022648]
KIAA0247	14	1,58E-04	2,78	1,10	2,76	Homo sapiens KIAA0247 (KIAA0247), mRNA [NM_014734]
LOC100128338	8	7,05E-04	2,78	-1,10	2,75	Homo sapiens cDNA FLJ43864 fis, clone TESTI4007799. [AK125852]
CYCSP52	1	4,22E-02	2,77	1,41	2,93	Homo sapiens cytochrome c, somatic pseudogene 52 (CYCSP52), non-coding RNA [NR_001560]
ACVRL1	12	2,21E-02	2,77	1,27	2,77	Homo sapiens activin A receptor type II-like 1 (ACVRL1), transcript variant 1, mRNA [NM_000020]
XLOC_004803	5	8,20E-05	2,77	1,18	2,43	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)

TSC22D2	3	5,43E-05	2,76	1,08	2,73	Homo sapiens TSC22 domain family, member 2 (TSC22D2), mRNA [NM_014779]
EMP2	16	2,58E-03	2,76	-1,04	2,20	Homo sapiens epithelial membrane protein 2 (EMP2), mRNA [NM_001424]
	3	1,66E-05	2,76	1,13	2,66	lincRNA:chr3:17913516-17913642 reverse strand
C3orf23	3	1,56E-04	2,76	1,27	2,77	Homo sapiens chromosome 3 open reading frame 23 (C3orf23), transcript variant 1, mRNA [NM_173826]
KYNU	2	1,10E-02	2,76	1,01	2,69	kynureninase [Source:HGNC Symbol;Acc:6469] [ENST00000410015]
CDC42EP2	11	5,79E-04	2,76	1,24	2,91	Homo sapiens CDC42 effector protein (Rho GTPase binding) 2 (CDC42EP2), mRNA [NM_006779]
KIAA0040	1	2,67E-06	2,75	-1,04	2,50	Homo sapiens KIAA0040 (KIAA0040), transcript variant 1, mRNA [NM_001162893]
RCSD1	1	4,33E-03	2,75	-1,17	1,04	Homo sapiens RCSD domain containing 1 (RCSD1), mRNA [NM_052862]
	1	2,11E-02	2,74	-1,02	1,91	lincRNA:chr1:117586727-117592852 reverse strand
MREG	2	6,94E-05	2,74	1,22	2,61	Homo sapiens melanoregulin (MREG), mRNA [NM_018000]
	17	1,56E-04	2,74	1,07	2,76	lincRNA:chr17:21435180-21454915 reverse strand
PMCHL1	5	9,69E-03	2,74	-1,15	1,89	Homo sapiens pro-melanin-concentrating hormone-like 1, pseudogene (PMCHL1), non-coding RNA [NR_003921]
GSTK1	7	3,60E-06	2,74	1,09	2,63	Homo sapiens glutathione S-transferase kappa 1 (GSTK1), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA [NM_001143679]
ICAM2	17	2,08E-04	2,74	-1,08	2,73	Homo sapiens intercellular adhesion molecule 2 (ICAM2), transcript variant 5,

						mRNA [NM_000873]
SAMHD1	20	1,92E-05	2,73	-1,10	2,54	Homo sapiens SAM domain and HD domain 1 (SAMHD1), mRNA [NM_015474]
CCDC85C	14	9,77E-06	2,73	1,03	2,60	Homo sapiens coiled-coil domain containing 85C (CCDC85C), mRNA [NM_001144995]
SP140	2	3,03E-02	2,73	-1,45	3,09	Homo sapiens SP140 nuclear body protein (SP140), transcript variant 2, mRNA [NM_001005176]
ERAP1	5	4,25E-04	2,73	-1,01	3,63	Homo sapiens endoplasmic reticulum aminopeptidase 1 (ERAP1), transcript variant 1, mRNA [NM_016442]
	6	7,12E-04	2,72	-1,10	2,94	lincRNA:chr6:41014072-41020197 reverse strand
RALGPS2	1	4,61E-04	2,72	-1,16	2,07	Homo sapiens Ral GEF with PH domain and SH3 binding motif 2 (RALGPS2), mRNA [NM_152663]
PTK2B	8	6,06E-04	2,72	1,04	2,49	Homo sapiens PTK2B protein tyrosine kinase 2 beta (PTK2B), transcript variant 1, mRNA [NM_173174]
FAM122C	X	3,59E-04	2,72	-1,28	2,97	Homo sapiens family with sequence similarity 122C (FAM122C), transcript variant 2, mRNA [NM_138819]
MOV10	1	1,10E-05	2,72	1,07	2,39	Homo sapiens Mov10, Moloney leukemia virus 10, homolog (mouse) (MOV10), transcript variant 1, mRNA [NM_020963]
PTPRH	19	6,91E-03	2,71	-1,18	2,63	Homo sapiens protein tyrosine phosphatase, receptor type, H (PTPRH), transcript variant 1, mRNA [NM_002842]
SYNJ2	6	3,66E-02	2,71	-1,01	2,30	Homo sapiens synaptojanin 2 (SYNJ2), transcript variant 1, mRNA [NM_003898]
	1	1,64E-02	2,71	1,15	2,39	lincRNA:chr1:205410835-205411291 reverse strand
SNTB2	16	2,58E-04	2,71	1,05	2,37	Homo sapiens syntrophin, beta 2 (dystrophin-associated protein

						A1, 59kDa, basic component 2) (SNTB2), mRNA [NM_006750]
EIF2AK2	2	9,13E-07	2,71	1,04	2,70	Homo sapiens eukaryotic translation initiation factor 2-alpha kinase 2 (EIF2AK2), transcript variant 1, mRNA [NM_002759]
IL18R1	2	6,88E-04	2,71	-1,08	2,94	Homo sapiens interleukin 18 receptor 1 (IL18R1), mRNA [NM_003855]
CALCOCO2	17	7,14E-06	2,71	-1,01	2,63	Homo sapiens calcium binding and coiled-coil domain 2 (CALCOCO2), mRNA [NM_005831]
GMPR	6	1,04E-04	2,71	-1,17	2,85	Homo sapiens guanosine monophosphate reductase (GMPR), mRNA [NM_006877]
TOP1P2	22	3,21E-04	2,71	1,03	2,37	Homo sapiens topoisomerase (DNA) I pseudogene 2 (TOP1P2), non-coding RNA [NR_001283]
SNAI3	16	3,64E-02	2,70	-1,01	2,30	Homo sapiens snail homolog 3 (Drosophila) (SNAI3), mRNA [NM_178310]
C6orf132	6	1,89E-02	2,70	-1,11	2,39	Homo sapiens chromosome 6 open reading frame 132 (C6orf132), mRNA [NM_001164446]
FCGR2A	1	3,40E-04	2,70	-1,15	2,17	Homo sapiens Fc fragment of IgG, low affinity IIa, receptor (CD32) (FCGR2A), transcript variant 2, mRNA [NM_021642]
CEACAM1	19	1,27E-03	2,70	-1,07	2,28	Homo sapiens carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein) (CEACAM1), transcript variant 5, mRNA [NM_001184816]
SYTL3	6	7,41E-04	2,70	1,10	2,12	Homo sapiens synaptotagmin-like 3 (SYTL3), transcript variant 3, mRNA [NM_001009991]
	17	2,99E-04	2,69	1,07	2,83	lincRNA:chr17:21435959-21436405 reverse strand
ADAM22	7	2,50E-02	2,69	-1,23	2,76	Homo sapiens ADAM metallopeptidase domain 22 (ADAM22), transcript

						variant 5, mRNA [NM_021721]
PXDNL	8	4,25E-03	2,69	1,10	2,08	Homo sapiens peroxidasin homolog (Drosophila)-like (PXDNL), mRNA [NM_144651]
BCL6	3	1,32E-04	2,69	1,20	2,58	Homo sapiens B-cell CLL/lymphoma 6 (BCL6), transcript variant 2, mRNA [NM_001130845]
ARID5A	2	9,41E-05	2,69	1,19	2,58	Homo sapiens AT rich interactive domain 5A (MRF1-like) (ARID5A), mRNA [NM_212481]
DNAJA1	9	4,42E-07	2,69	1,08	2,45	Homo sapiens DnaJ (Hsp40) homolog, subfamily A, member 1 (DNAJA1), mRNA [NM_001539]
	21	1,48E-02	2,69	1,12	2,57	lincRNA:chr21:45229082-45229931 forward strand
MPHOSPH6	16	4,73E-05	2,68	1,29	2,75	Homo sapiens M-phase phosphoprotein 6 (MPHOSPH6), mRNA [NM_005792]
HIVEP3	1	1,45E-03	2,68	1,30	2,54	human immunodeficiency virus type I enhancer binding protein 3 [Source:HGNC Symbol;Acc:13561] [ENST00000372583]
XLOC_004620	5	2,96E-04	2,68	1,15	2,43	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
SEC24A	5	3,17E-04	2,68	1,05	2,69	Homo sapiens SEC24 family, member A (S. cerevisiae) (SEC24A), mRNA [NM_021982]
MS4A6E	11	3,55E-02	2,68	1,01	1,53	Homo sapiens membrane-spanning 4-domains, subfamily A, member 6E (MS4A6E), mRNA [NM_139249]
MCTP1	5	4,70E-04	2,68	-1,24	2,44	Homo sapiens multiple C2 domains, transmembrane 1 (MCTP1), transcript variant L, mRNA [NM_024717]
PAPD5	16	2,91E-02	2,68	-1,25	2,18	Homo sapiens PAP associated domain containing 5 (PAPD5), transcript variant 1, mRNA [NM_001040284]
FXYD5	19	1,46E-02	2,67	1,38	2,63	FXYD domain containing ion transport regulator 5

						[Source:HGNC Symbol;Acc:4029] [ENST00000392217]
QPCT	2	2,57E-03	2,67	1,04	2,30	Homo sapiens glutaminyl-peptide cyclotransferase (QPCT), mRNA [NM_012413]
ADC	1	2,95E-03	2,67	1,15	2,51	Homo sapiens arginine decarboxylase (ADC), mRNA [NM_052998]
SLC41A2	12	9,53E-03	2,66	1,04	2,48	Homo sapiens solute carrier family 41, member 2 (SLC41A2), mRNA [NM_032148]
FCGR3A	1	3,99E-02	2,66	-1,26	2,13	Homo sapiens Fc fragment of IgG, low affinity IIIa, receptor (CD16a) (FCGR3A), transcript variant 1, mRNA [NM_000569]
BTN3A2	6	2,21E-05	2,66	-1,05	2,75	Homo sapiens butyrophilin, subfamily 3, member A2 (BTN3A2), transcript variant 3, mRNA [NM_001197247]
NFKBIE	6	1,78E-03	2,65	-1,02	2,67	Homo sapiens nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon (NFKBIE), mRNA [NM_004556]
IL10RB	21	1,84E-05	2,65	1,09	2,30	Homo sapiens interleukin 10 receptor, beta (IL10RB), mRNA [NM_000628]
CD83	6	4,26E-03	2,64	-1,16	2,11	Homo sapiens CD83 molecule (CD83), transcript variant 1, mRNA [NM_004233]
CYP2J2	1	1,51E-03	2,64	1,07	2,58	Homo sapiens cytochrome P450, family 2, subfamily J, polypeptide 2 (CYP2J2), mRNA [NM_000775]
NKX6-3	8	1,30E-02	2,64	1,14	2,93	Homo sapiens NK6 homeobox 3 (NKX6-3), mRNA [NM_152568]
HLA-DOB	6	1,91E-04	2,64	1,04	2,54	Homo sapiens major histocompatibility complex, class II, DO beta (HLA-DOB), mRNA [NM_002120]
GPT2	16	3,67E-04	2,64	-1,05	2,37	Homo sapiens glutamic pyruvate transaminase (alanine aminotransferase) 2 (GPT2), transcript

						variant 1, mRNA [NM_133443]
SPRED1	15	1,29E-04	2,63	1,17	2,65	Homo sapiens sprouty-related, EVH1 domain containing 1 (SPRED1), mRNA [NM_152594]
MAT1A	10	2,68E-03	2,63	-1,01	2,39	Homo sapiens methionine adenosyltransferase I, alpha (MAT1A), mRNA [NM_000429]
DENND3	8	1,32E-03	2,63	1,02	2,47	Homo sapiens DENN/MADD domain containing 3 (DENND3), mRNA [NM_014957]
PABPC4L	4	2,07E-03	2,63	1,00	2,36	Homo sapiens poly(A) binding protein, cytoplasmic 4-like (PABPC4L), mRNA [NM_001114734]
PPP1R3B	8	3,25E-03	2,63	1,19	2,81	Homo sapiens protein phosphatase 1, regulatory (inhibitor) subunit 3B (PPP1R3B), transcript variant 1, mRNA [NM_001201329]
HLA-A	6	1,87E-03	2,63	-1,00	2,53	Homo sapiens major histocompatibility complex, class I, A (HLA-A), transcript variant 1, mRNA [NM_002116]
PDE4DIP	1	1,49E-02	2,63	-1,12	1,76	Homo sapiens phosphodiesterase 4D interacting protein (PDE4DIP), transcript variant 9, mRNA [NM_001198834]
CCL3	17	1,71E-03	2,63	-1,29	3,71	Homo sapiens chemokine (C-C motif) ligand 3 (CCL3), mRNA [NM_002983]
SEMA7A	15	1,17E-02	2,62	-1,19	2,73	Homo sapiens semaphorin 7A, GPI membrane anchor (John Milton Hagen blood group) (SEMA7A), transcript variant 1, mRNA [NM_003612]
PLEKHG2	19	4,81E-02	2,62	1,51	2,14	Homo sapiens pleckstrin homology domain containing, family G (with RhoGef domain) member 2 (PLEKHG2), mRNA [NM_022835]
FAM83E	19	1,01E-03	2,62	1,24	2,32	Homo sapiens family with sequence similarity 83, member

						E (FAM83E), mRNA [NM_017708]
C5orf13	5	3,70E-03	2,62	1,14	2,70	Homo sapiens chromosome 5 open reading frame 13 (C5orf13), transcript variant 1, mRNA [NM_004772]
SLFN12	17	3,35E-04	2,62	1,07	2,69	Homo sapiens schlafen family member 12 (SLFN12), mRNA [NM_018042]
PPA1	10	3,12E-04	2,61	1,12	2,63	Homo sapiens pyrophosphatase (inorganic) 1 (PPA1), mRNA [NM_021129]
TTLL9	20	2,61E-02	2,61	1,16	1,38	tubulin tyrosine ligase-like family, member 9 [Source:HGNC Symbol;Acc:16118] [ENST00000310998]
SERPINH1	11	9,00E-06	2,61	1,05	2,62	Homo sapiens serpin peptidase inhibitor, clade H (heat shock protein 47), member 1, (collagen binding protein 1) (SERPINH1), transcript variant 1, mRNA [NM_001207014]
	3	1,50E-05	2,60	1,15	2,58	lincRNA:chr3:17904246-18167346 reverse strand
CCBP2	3	7,24E-04	2,60	-1,39	2,54	Homo sapiens chemokine binding protein 2 (CCBP2), mRNA [NM_001296]
	6	2,75E-03	2,60	-1,44	2,36	lincRNA:chr6:29701971-29740296 forward strand
LOC100240735	12	2,70E-02	2,60	-1,12	3,35	Homo sapiens hypothetical LOC100240735 (LOC100240735), non-coding RNA [NR_026658]
	1	1,38E-03	2,59	-1,13	2,60	lincRNA:chr1:180929852-180942077 reverse strand
ABHD16A	6	4,95E-08	2,59	1,07	2,42	Homo sapiens abhydrolase domain containing 16A (ABHD16A), transcript variant 1, mRNA [NM_021160]
CD97	19	2,29E-04	2,59	1,01	2,41	Homo sapiens CD97 molecule (CD97), transcript variant 1, mRNA [NM_078481]
CCDC134	22	1,64E-03	2,59	1,05	2,26	Homo sapiens coiled-coil domain containing 134 (CCDC134), mRNA [NM_024821]
	16	5,14E-03	2,58	1,27	2,28	ALU1_HUMAN (P39188) Alu

						subfamily J sequence contamination warning entry, partial (5%) [THC2558186]
MAPK8IP2	22	4,15E-03	2,58	1,20	2,19	Homo sapiens mitogen-activated protein kinase 8 interacting protein 2 (MAPK8IP2), transcript variant 1, mRNA [NM_012324]
ADPRH	3	1,98E-05	2,57	1,17	2,51	Homo sapiens ADP-ribosylarginine hydrolase (ADPRH), mRNA [NM_001125]
RAB33B	4	1,95E-04	2,57	-1,06	2,50	Homo sapiens RAB33B, member RAS oncogene family (RAB33B), mRNA [NM_031296]
DPP4	2	6,13E-03	2,57	1,38	2,54	Homo sapiens dipeptidyl-peptidase 4 (DPP4), mRNA [NM_001935]
	1	1,83E-03	2,57	-1,22	2,56	chromosome 1 open reading frame 196 [Source:HGNC Symbol;Acc:32336] [ENST00000412667]
PARD3	10	1,56E-04	2,57	-1,01	2,30	Homo sapiens par-3 partitioning defective 3 homolog (C. elegans) (PARD3), transcript variant 9, mRNA [NM_001184792]
IFITM2	11	9,52E-06	2,57	1,20	2,56	Homo sapiens interferon induced transmembrane protein 2 (1-8D) (IFITM2), mRNA [NM_006435]
TOP1	20	2,05E-04	2,56	1,02	2,33	Homo sapiens topoisomerase (DNA) I (TOP1), mRNA [NM_003286]
RBCK1	20	4,97E-04	2,56	-1,05	2,43	Homo sapiens RanBP-type and C3HC4-type zinc finger containing 1 (RBCK1), transcript variant 1, mRNA [NM_006462]
MFSD6L	17	1,34E-02	2,56	-1,30	3,78	Homo sapiens major facilitator superfamily domain containing 6-like (MFSD6L), mRNA [NM_152599]
CDH18	5	1,21E-02	2,56	1,29	1,88	Homo sapiens cadherin 18, type 2 (CDH18), transcript variant 1, mRNA [NM_004934]
UBQLNL	11	2,65E-02	2,56	1,31	2,67	Homo sapiens ubiquilin-like (UBQLNL), mRNA [NM_145053]
SAMD4A	14	2,96E-04	2,56	1,17	2,54	Homo sapiens sterile

						alpha motif domain containing 4A (SAMD4A), transcript variant 1, mRNA [NM_015589]
MAST4	5	2,97E-03	2,56	-1,04	2,38	Homo sapiens microtubule associated serine/threonine kinase family member 4 (MAST4), transcript variant 3, mRNA [NM_001164664]
SLC2A3	12	3,11E-02	2,56	-1,14	2,47	Homo sapiens solute carrier family 2 (facilitated glucose transporter), member 3 (SLC2A3), mRNA [NM_006931]
NFKB2	10	1,46E-03	2,56	-1,04	2,50	Homo sapiens nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100) (NFKB2), transcript variant 3, mRNA [NM_001077493]
NRCAM	7	5,31E-03	2,55	-1,12	2,51	Homo sapiens neuronal cell adhesion molecule (NRCAM), transcript variant 1, mRNA [NM_001037132]
CCDC125	5	2,16E-06	2,55	1,04	2,59	Homo sapiens coiled-coil domain containing 125 (CCDC125), mRNA [NM_176816]
ODF3B	22	3,74E-06	2,55	1,23	2,58	Homo sapiens outer dense fiber of sperm tails 3B (ODF3B), mRNA [NM_001014440]
TNIP1	5	1,15E-02	2,55	1,03	2,42	Homo sapiens TNFAIP3 interacting protein 1 (TNIP1), mRNA [NM_006058]
NUB1	7	9,23E-06	2,55	-1,04	2,34	Homo sapiens negative regulator of ubiquitin-like proteins 1 (NUB1), mRNA [NM_016118]
SYNJ2	6	1,74E-03	2,55	1,18	2,47	Homo sapiens synaptojanin 2 (SYNJ2), transcript variant 1, mRNA [NM_003898]
QPCT	2	3,01E-03	2,54	1,02	2,36	Homo sapiens glutaminyl-peptide cyclotransferase (QPCT), mRNA [NM_012413]
XLOC_003202	3	5,90E-03	2,54	-1,48	3,52	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)

CLEC2B	12	1,91E-02	2,54	1,18	2,33	Homo sapiens C-type lectin domain family 2, member B (CLEC2B), mRNA [NM_005127]
TARSL2	15	5,28E-04	2,54	1,47	2,50	Homo sapiens threonyl-tRNA synthetase-like 2 (TARSL2), mRNA [NM_152334]
FSIP1	15	5,54E-03	2,54	1,03	2,54	Homo sapiens fibrous sheath interacting protein 1 (FSIP1), mRNA [NM_152597]
RIPK3	14	2,04E-03	2,54	1,17	2,27	Homo sapiens receptor-interacting serine-threonine kinase 3 (RIPK3), mRNA [NM_006871]
FLNB	3	8,03E-04	2,53	1,24	2,59	Homo sapiens filamin B, beta (FLNB), transcript variant 2, mRNA [NM_001457]
MITD1	2	1,15E-05	2,53	1,09	2,42	Homo sapiens MIT, microtubule interacting and transport, domain containing 1 (MITD1), mRNA [NM_138798]
GTPBP1	22	2,21E-06	2,53	-1,03	2,32	Homo sapiens GTP binding protein 1 (GTPBP1), mRNA [NM_004286]
DKFZp761E198	11	7,01E-05	2,53	1,07	2,28	Homo sapiens DKFZp761E198 protein (DKFZp761E198), mRNA [NM_138368]
PARD3	10	7,57E-05	2,53	-1,16	2,29	par-3 partitioning defective 3 homolog (C. elegans) [Source:HGNC Symbol;Acc:16051] [ENST00000374768]
LRRN4	20	1,13E-02	2,53	-1,17	2,76	Homo sapiens leucine rich repeat neuronal 4 (LRRN4), mRNA [NM_152611]
SFMBT2	10	6,07E-03	2,53	-1,03	2,30	Homo sapiens Scm-like with four mbt domains 2 (SFMBT2), transcript variant 1, mRNA [NM_001029880]
SFT2D2	1	4,78E-06	2,53	1,02	2,21	Homo sapiens SFT2 domain containing 2 (SFT2D2), mRNA [NM_199344]
FMR1-AS1	X	3,73E-04	2,52	-1,10	2,29	Homo sapiens FMR1 antisense RNA 1 (non-protein coding) (FMR1-AS1), transcript variant 1, non-coding RNA [NR_024499]
ICAM4	19	7,64E-03	2,52	-1,07	2,69	Homo sapiens

						intercellular adhesion molecule 4 (Landsteiner-Wiener blood group) (ICAM4), transcript variant 2, mRNA [NM_022377]
TLR4	9	8,09E-03	2,52	-1,18	2,05	Homo sapiens toll-like receptor 4 (TLR4), transcript variant 1, mRNA [NM_138554]
TLR4	9	2,13E-03	2,52	-1,27	3,48	Homo sapiens toll-like receptor 4 (TLR4), transcript variant 1, mRNA [NM_138554]
ANKRD22	10	7,12E-05	2,52	-1,32	2,05	Homo sapiens ankyrin repeat domain 22 (ANKRD22), mRNA [NM_144590]
BANK1	4	2,78E-04	2,52	-1,16	2,36	Homo sapiens B-cell scaffold protein with ankyrin repeats 1 (BANK1), transcript variant 1, mRNA [NM_017935]
XLOC_003204	3	3,40E-02	2,52	-1,25	2,58	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
TNFAIP8	5	2,89E-04	2,52	1,01	2,74	Homo sapiens tumor necrosis factor, alpha-induced protein 8 (TNFAIP8), transcript variant 1, mRNA [NM_014350]
RNF39	6	1,49E-02	2,52	-1,45	1,72	Homo sapiens ring finger protein 39 (RNF39), transcript variant 1, mRNA [NM_025236]
PPA1	10	2,02E-05	2,51	1,14	2,52	Homo sapiens pyrophosphatase (inorganic) 1 (PPA1), mRNA [NM_021129]
CDKN1A	6	4,27E-03	2,51	-1,02	2,20	Homo sapiens cyclin-dependent kinase inhibitor 1A (p21, Cip1) (CDKN1A), transcript variant 2, mRNA [NM_078467]
DNAJA1P5	1	6,45E-08	2,51	1,03	2,37	Homo sapiens DnaJ (Hsp40) homolog, subfamily A, member 1 pseudogene 5 (DNAJA1P5), non-coding RNA [NR_033424]
CFLAR	2	3,34E-04	2,51	-1,04	2,53	Homo sapiens CASP8 and FADD-like apoptosis regulator (CFLAR), transcript variant 3, mRNA [NM_001127184]
XLOC_002473	2	7,08E-04	2,51	1,18	2,79	BROAD lincRNAs

						version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
ATF3	1	7,74E-04	2,51	-1,21	2,45	Homo sapiens activating transcription factor 3 (ATF3), transcript variant 4, mRNA [NM_001040619]
TAPBP	6	2,29E-02	2,51	-1,07	2,54	TAP binding protein (tapasin) [Source:HGNC Symbol;Acc:11566] [ENST00000480730]
TRIM10	6	2,00E-02	2,50	-1,07	2,51	Homo sapiens tripartite motif containing 10 (TRIM10), transcript variant 2, mRNA [NM_052828]
	11	6,61E-04	2,50	1,04	2,21	lincRNA:chr11:134306628-134375018 forward strand
B4GALT5	20	4,34E-06	2,50	1,02	2,21	Homo sapiens UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 5 (B4GALT5), mRNA [NM_004776]
XLOC_000626	1	8,02E-05	2,50	1,30	2,75	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
ALOX12P2	17	1,25E-04	2,50	1,07	2,22	Homo sapiens arachidonate 12-lipoxygenase pseudogene 2 (ALOX12P2), non-coding RNA [NR_002710]
CRISPLD1	8	7,20E-03	2,49	-1,23	2,24	Homo sapiens cysteine-rich secretory protein LCCL domain containing 1 (CRISPLD1), mRNA [NM_031461]
BTN2A2	6	3,18E-04	2,49	-1,12	2,41	Homo sapiens butyrophilin, subfamily 2, member A2 (BTN2A2), transcript variant 2, mRNA [NM_181531]
CPEB3	10	4,15E-03	2,49	-1,07	2,17	Homo sapiens cytoplasmic polyadenylation element binding protein 3 (CPEB3), transcript variant 1, mRNA [NM_014912]
RAB3IP	12	1,09E-03	2,49	-1,53	2,43	RAB3A interacting protein (rabin3) [Source:HGNC Symbol;Acc:16508] [ENST00000378815]
ADCY7	16	3,73E-04	2,49	1,14	2,38	Homo sapiens

						adenylate cyclase 7 (ADCY7), mRNA [NM_001114]
ETS1	11	1,10E-04	2,49	1,07	2,27	Homo sapiens v-ets erythroblastosis virus E26 oncogene homolog 1 (avian) (ETS1), transcript variant 2, mRNA [NM_005238]
LCP1	13	1,44E-02	2,49	1,17	2,57	Homo sapiens lymphocyte cytosolic protein 1 (L-plastin) (LCP1), mRNA [NM_002298]
C17orf51	17	8,16E-04	2,48	-1,01	2,50	Homo sapiens chromosome 17 open reading frame 51 (C17orf51), mRNA [NM_001113434]
SH3BP2	4	1,25E-03	2,48	1,37	2,32	Homo sapiens SH3-domain binding protein 2 (SH3BP2), transcript variant 4, mRNA [NM_001145855]
CXCL16	17	1,04E-03	2,47	-1,03	2,41	Homo sapiens chemokine (C-X-C motif) ligand 16 (CXCL16), transcript variant 2, mRNA [NM_001100812]
PTPN12	7	7,14E-06	2,47	1,09	2,49	Homo sapiens protein tyrosine phosphatase, non-receptor type 12 (PTPN12), transcript variant 1, mRNA [NM_002835]
	14	5,95E-03	2,47	2,58	3,57	lincRNA:chr14:61528822-61594047 reverse strand
SH3TC1	4	1,78E-04	2,47	1,23	2,51	Homo sapiens SH3 domain and tetratricopeptide repeats 1 (SH3TC1), mRNA [NM_018986]
GPD2	2	1,72E-06	2,47	1,04	2,51	Homo sapiens glycerol-3-phosphate dehydrogenase 2 (mitochondrial) (GPD2), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_001083112]
CAMTA1	1	5,32E-03	2,46	-1,17	1,75	Homo sapiens calmodulin binding transcription activator 1 (CAMTA1), transcript variant 1, mRNA [NM_015215]
	3	4,60E-02	2,46	-1,43	2,44	lincRNA:chr3:194190336-194206786 reverse strand
CTSB	8	1,26E-03	2,46	1,26	2,56	Homo sapiens cathepsin B (CTSB),

						transcript variant 2, mRNA [NM_147780]
IL22RA1	1	3,61E-05	2,46	-1,14	2,21	Homo sapiens interleukin 22 receptor, alpha 1 (IL22RA1), mRNA [NM_021258]
CCNL1	3	7,73E-04	2,46	1,02	2,15	Homo sapiens cyclin L1 (CCNL1), mRNA [NM_020307]
GPC6	13	1,06E-03	2,46	1,21	2,90	Homo sapiens glypican 6 (GPC6), mRNA [NM_005708]
C12orf70	12	1,27E-03	2,45	-1,03	2,39	Homo sapiens chromosome 12 open reading frame 70 (C12orf70), mRNA [NM_001145010]
	2	1,55E-04	2,45	-1,28	1,86	ir69g09.y1 HR85 islet Homo sapiens cDNA clone IMAGE:6607866 5', mRNA sequence [CA849059]
ZFYVE28	4	2,72E-02	2,45	1,05	3,03	Homo sapiens zinc finger, FYVE domain containing 28 (ZFYVE28), transcript variant 4, mRNA [NM_001172657]
	8	3,73E-05	2,45	-1,14	2,03	lincRNA:chr8:90624146-90635613 reverse strand
MREG	2	8,81E-04	2,45	1,09	2,37	Homo sapiens melanoregulin (MREG), mRNA [NM_018000]
LOC100144604	15	1,80E-04	2,45	1,00	2,32	Homo sapiens hypothetical LOC100144604 (LOC100144604), non-coding RNA [NR_021493]
IFNAR2	21	9,41E-04	2,45	1,02	2,33	Homo sapiens interferon (alpha, beta and omega) receptor 2 (IFNAR2), transcript variant 2, mRNA [NM_000874]
EREG	4	3,38E-04	2,44	-1,01	2,27	Homo sapiens epiregulin (EREG), mRNA [NM_001432]
SLC39A8	4	3,21E-02	2,44	1,08	2,52	Homo sapiens solute carrier family 39 (zinc transporter), member 8 (SLC39A8), transcript variant 1, mRNA [NM_022154]
ARHGEF5	7	1,13E-06	2,44	1,07	2,30	Homo sapiens Rho guanine nucleotide exchange factor (GEF) 5 (ARHGEF5), mRNA [NM_005435]
		3,71E-03	2,44	1,22	2,14	lincRNA:chr12:123614572-123628947 reverse strand

IL31RA	5	5,97E-03	2,43	-1,56	2,22	Homo sapiens interleukin 31 receptor A (IL31RA), transcript variant 4, mRNA [NM_001242638]
DDX23	12	7,65E-06	2,43	1,13	2,23	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 23 (DDX23), mRNA [NM_004818]
HSPH1	13	2,93E-05	2,43	1,00	2,27	Homo sapiens heat shock 105kDa/110kDa protein 1 (HSPH1), mRNA [NM_006644]
CA3	8	3,74E-02	2,42	1,03	1,69	Homo sapiens carbonic anhydrase III, muscle specific (CA3), mRNA [NM_005181]
TLCD2	17	3,00E-03	2,42	1,16	2,10	Homo sapiens TLC domain containing 2 (TLCD2), mRNA [NM_001164407]
DNPEP	2	8,35E-04	2,41	1,13	2,30	Homo sapiens aspartyl aminopeptidase (DNPEP), mRNA [NM_012100]
TRIM14	9	2,74E-05	2,41	1,07	2,21	Homo sapiens tripartite motif containing 14 (TRIM14), transcript variant 2, mRNA [NM_033219]
PAOX	10	1,35E-02	2,41	1,08	2,14	Homo sapiens polyamine oxidase (exo-N4-amino) (PAOX), transcript variant 5, mRNA [NM_207128]
	1	2,12E-03	2,41	1,01	2,32	lincRNA:chr1:198802352-198907577 reverse strand
CA11	19	1,02E-03	2,41	1,04	1,89	Homo sapiens carbonic anhydrase XI (CA11), mRNA [NM_001217]
PAOX	10	1,08E-03	2,40	1,09	2,34	Homo sapiens polyamine oxidase (exo-N4-amino) (PAOX), transcript variant 1, mRNA [NM_152911]
KLF4	9	4,96E-05	2,40	-1,09	1,86	Homo sapiens Kruppel-like factor 4 (gut) (KLF4), mRNA [NM_004235]
PVR	19	1,32E-03	2,40	1,03	2,33	Homo sapiens poliovirus receptor (PVR), transcript variant 1, mRNA [NM_006505]
BCL2L11	2	2,79E-03	2,40	1,20	2,48	Homo sapiens BCL2-like 11 (apoptosis facilitator) (BCL2L11), transcript variant 1, mRNA

						[NM_138621]
CXorf38	X	4,47E-04	2,40	1,09	2,28	Homo sapiens chromosome X open reading frame 38 (CXorf38), mRNA [NM_144970]
TAPBP	6	2,17E-04	2,40	1,10	2,27	Homo sapiens TAP binding protein (tapasin) (TAPBP), transcript variant 2, mRNA [NM_172208]
LY6E	8	4,84E-05	2,40	1,05	2,41	Homo sapiens lymphocyte antigen 6 complex, locus E (LY6E), transcript variant 1, mRNA [NM_002346]
KARS	16	6,08E-05	2,40	1,04	2,35	Homo sapiens lysyl-tRNA synthetase (KARS), transcript variant 1, mRNA [NM_001130089]
LRRC10	12	1,13E-04	2,40	-1,06	2,10	Homo sapiens leucine rich repeat containing 10 (LRRC10), mRNA [NM_201550]
SIDT1	3	9,36E-04	2,39	1,20	2,07	Homo sapiens SID1 transmembrane family, member 1 (SIDT1), mRNA [NM_017699]
	17	9,69E-04	2,39	1,07	2,71	lincRNA:chr17:21435180-21454915 reverse strand
IFNGR2	21	6,06E-04	2,39	1,16	2,31	Homo sapiens interferon gamma receptor 2 (interferon gamma transducer 1) (IFNGR2), mRNA [NM_005534]
	1	2,46E-03	2,39	1,14	2,47	lincRNA:chr1:205404014-205407007 reverse strand
SNX10	7	1,70E-04	2,39	-1,57	2,25	Homo sapiens sorting nexin 10 (SNX10), transcript variant 1, mRNA [NM_001199835]
C1orf38	1	3,92E-03	2,39	1,03	1,97	Homo sapiens chromosome 1 open reading frame 38 (C1orf38), transcript variant 2, mRNA [NM_001039477]
IL18R1	2	6,64E-04	2,39	-1,10	2,41	Homo sapiens interleukin 18 receptor 1 (IL18R1), mRNA [NM_003855]
FAM71E2	19	4,17E-02	2,38	-1,20	2,65	Homo sapiens family with sequence similarity 71, member E2 (FAM71E2), mRNA [NM_001145402]

ACSS1	20	2,73E-04	2,38	-1,06	2,55	Homo sapiens acyl-CoA synthetase short-chain family member 1 (ACSS1), nuclear gene encoding mitochondrial protein, mRNA [NM_032501]
SP6	17	5,12E-04	2,38	-1,19	2,07	Homo sapiens Sp6 transcription factor (SP6), mRNA [NM_199262]
	22	2,57E-04	2,38	1,08	2,03	immunoglobulin lambda constant 2 (Kern-Oz- marker) [Source:HGNC Symbol;Acc:5856] [ENST00000390323]
LOC731424	4	4,92E-02	2,38	1,02	3,59	Homo sapiens hypothetical protein LOC731424, mRNA (cDNA clone IMAGE:4133286), with apparent retained intron. [BC016366]
NFKB1	4	4,89E-04	2,38	1,10	2,31	Homo sapiens nuclear factor of kappa light polypeptide gene enhancer in B-cells 1 (NFKB1), transcript variant 1, mRNA [NM_003998]
	7	1,30E-02	2,38	-1,26	2,79	lincRNA:chr7:130528285-130800860 reverse strand
CCDC125	5	1,46E-05	2,38	-1,07	2,24	Homo sapiens coiled-coil domain containing 125 (CCDC125), mRNA [NM_176816]
ETV6	12	3,87E-05	2,37	1,16	2,33	Homo sapiens ets variant 6 (ETV6), mRNA [NM_001987]
TMTC1	12	3,52E-04	2,37	-1,13	2,28	Homo sapiens transmembrane and tetratricopeptide repeat containing 1 (TMTC1), transcript variant 2, mRNA [NM_175861]
MCTP2	15	3,07E-04	2,36	1,15	2,51	Homo sapiens multiple C2 domains, transmembrane 2 (MCTP2), transcript variant 1, mRNA [NM_018349]
LIMD1	3	3,63E-06	2,36	-1,00	2,13	Homo sapiens LIM domains containing 1 (LIMD1), mRNA [NM_014240]
	2	2,01E-02	2,36	-1,23	2,56	lincRNA:chr2:120966064-120966496 reverse strand
EHD1	11	2,11E-04	2,36	1,02	2,35	Homo sapiens EH-domain containing 1 (EHD1), mRNA

						[NM_006795]
TJP2	9	1,44E-02	2,36	1,15	2,10	Homo sapiens tight junction protein 2 (zona occludens 2) (TJP2), transcript variant 1, mRNA [NM_004817]
ERI1	8	2,12E-05	2,36	1,12	2,25	Homo sapiens exoribonuclease 1 (ERI1), mRNA [NM_153332]
ATP13A3	3	3,14E-05	2,36	-1,04	2,55	Homo sapiens ATPase type 13A3 (ATP13A3), mRNA [NM_024524]
TMEM63A	1	3,78E-04	2,36	1,17	2,21	Homo sapiens transmembrane protein 63A (TMEM63A), mRNA [NM_014698]
MITD1	2	4,31E-06	2,36	1,04	2,32	Homo sapiens MIT, microtubule interacting and transport, domain containing 1 (MITD1), mRNA [NM_138798]
C1RL	12	3,65E-04	2,35	1,27	2,30	Homo sapiens complement component 1, r subcomponent-like (C1RL), mRNA [NM_016546]
SLC24A3	20	4,16E-03	2,35	1,14	2,02	Homo sapiens solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 (SLC24A3), mRNA [NM_020689]
POMP	13	1,00E-04	2,35	1,08	2,41	Homo sapiens proteasome maturation protein (POMP), mRNA [NM_015932]
SAMD4A	14	4,49E-04	2,35	1,08	2,26	Homo sapiens sterile alpha motif domain containing 4A (SAMD4A), transcript variant 1, mRNA [NM_015589]
IFFO1	12	5,56E-05	2,35	1,22	2,46	Homo sapiens intermediate filament family orphan 1 (IFFO1), transcript variant 4, mRNA [NM_001039670]
MEF2C	5	8,08E-03	2,35	-1,74	3,92	Homo sapiens myocyte enhancer factor 2C (MEF2C), transcript variant 1, mRNA [NM_002397]
SAA4	11	1,27E-03	2,35	1,00	2,25	Homo sapiens serum amyloid A4, constitutive (SAA4), mRNA [NM_006512]
SNTB2	16	7,02E-04	2,35	1,05	2,13	Homo sapiens syntrophin, beta 2 (dystrophin-

						associated protein A1, 59kDa, basic component 2) (SNTB2), mRNA [NM_006750]
RIMS2	8	1,31E-03	2,35	-1,16	2,27	Homo sapiens regulating synaptic membrane exocytosis 2 (RIMS2), transcript variant 2, mRNA [NM_014677]
CCDC125	5	2,90E-04	2,34	-1,07	2,25	Homo sapiens coiled-coil domain containing 125 (CCDC125), mRNA [NM_176816]
RAB43	3	1,73E-05	2,34	1,07	2,42	Homo sapiens RAB43, member RAS oncogene family (RAB43), transcript variant 1, mRNA [NM_198490]
ATP6V1B2	8	8,43E-04	2,34	1,09	2,24	Homo sapiens ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B2 (ATP6V1B2), mRNA [NM_001693]
UBA6	4	4,24E-05	2,34	1,19	2,59	Homo sapiens ubiquitin-like modifier activating enzyme 6 (UBA6), mRNA [NM_018227]
XLOC_003204	3	5,35E-03	2,34	1,03	2,13	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
ATF3	1	5,24E-04	2,34	-1,21	2,46	Homo sapiens activating transcription factor 3 (ATF3), transcript variant 4, mRNA [NM_001040619]
	16	2,53E-03	2,34	1,09	1,95	Homo sapiens, clone IMAGE:4424208, mRNA. [BC015443]
	7	1,15E-02	2,34	1,10	1,91	lincRNA:chr7:130629443-130792689 reverse strand
STXBP1	9	3,28E-04	2,34	1,07	2,00	Homo sapiens syntaxin binding protein 1 (STXBP1), transcript variant 1, mRNA [NM_003165]
GK	X	1,62E-03	2,34	1,15	2,18	Homo sapiens glycerol kinase (GK), transcript variant 4, mRNA [NM_001205019]
PRELID1	5	7,98E-04	2,34	1,07	2,21	Homo sapiens PRELI domain containing 1 (PRELID1), mRNA [NM_013237]
MYD88	3	3,92E-05	2,34	1,20	2,00	Homo sapiens myeloid

						differentiation primary response gene (88) (MYD88), transcript variant 2, mRNA [NM_002468]
SPSB1	1	5,70E-04	2,34	1,10	2,29	Homo sapiens splA/ryanodine receptor domain and SOCS box containing 1 (SPSB1), mRNA [NM_025106]
PLAU	10	4,91E-04	2,33	1,09	2,28	Homo sapiens plasminogen activator, urokinase (PLAU), transcript variant 1, mRNA [NM_002658]
SLC4A8	12	4,02E-03	2,33	1,57	2,83	Homo sapiens cDNA FLJ46462 fis, clone THYMU3021755. [AK128321]
LOC284276	18	1,67E-03	2,33	-1,54	3,66	Homo sapiens hypothetical LOC284276 (LOC284276), non-coding RNA [NR_015417]
P2RX4	12	1,87E-03	2,33	1,05	2,29	Homo sapiens purinergic receptor P2X, ligand-gated ion channel, 4 (P2RX4), mRNA [NM_002560]
SPSB1	1	8,42E-04	2,33	1,03	2,08	Homo sapiens splA/ryanodine receptor domain and SOCS box containing 1 (SPSB1), mRNA [NM_025106]
SNX16	8	5,46E-04	2,33	1,05	2,20	Homo sapiens sorting nexin 16 (SNX16), transcript variant 1, mRNA [NM_022133]
POM121L12	7	6,63E-04	2,33	-1,26	2,41	Homo sapiens POM121 membrane glycoprotein-like 12 (POM121L12), mRNA [NM_182595]
LOC100128320	10	1,80E-03	2,33	-1,05	1,74	Homo sapiens cDNA FLJ43449 fis, clone OCBBF2032671. [AK125438]
CNDP2	18	2,95E-05	2,33	1,16	2,10	Homo sapiens CNDP dipeptidase 2 (metallopeptidase M20 family) (CNDP2), transcript variant 1, mRNA [NM_018235]
ZNF597	16	1,89E-02	2,33	1,50	1,71	Homo sapiens zinc finger protein 597 (ZNF597), mRNA [NM_152457]
MAP3K13	3	1,47E-02	2,32	1,11	2,25	Homo sapiens mitogen-activated protein kinase kinase

						kinase 13 (MAP3K13), transcript variant 1, mRNA [NM_004721]
RELA	11	3,25E-04	2,32	1,08	2,08	Homo sapiens v-rel reticuloendotheliosis viral oncogene homolog A (avian) (RELA), transcript variant 1, mRNA [NM_021975]
NTNG2	9	9,55E-03	2,32	1,05	2,31	Homo sapiens netrin G2 (NTNG2), mRNA [NM_032536]
CAB39	2	3,06E-04	2,32	1,18	2,29	Homo sapiens calcium binding protein 39 (CAB39), transcript variant 1, mRNA [NM_016289]
TAPBP	6	4,69E-04	2,32	1,01	2,25	Homo sapiens TAP binding protein (tapasin) (TAPBP), transcript variant 2, mRNA [NM_172208]
	2	8,37E-03	2,32	1,24	2,43	lincRNA:chr2:232219356-232231081 forward strand
SQRDL	15	4,89E-06	2,32	1,08	2,44	Homo sapiens sulfide quinone reductase-like (yeast) (SQRDL), nuclear gene encoding mitochondrial protein, mRNA [NM_021199]
PDZD2	5	1,82E-03	2,32	1,09	2,24	PDZ domain containing 2 [Source:HGNC Symbol;Acc:18486] [ENST00000397559]
GPD2	2	4,00E-05	2,32	-1,03	2,14	Homo sapiens glycerol-3-phosphate dehydrogenase 2 (mitochondrial) (GPD2), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_001083112]
PRRG1	X	7,11E-04	2,32	1,10	2,14	Homo sapiens proline rich Gla (G-carboxyglutamic acid) 1 (PRRG1), transcript variant 1, mRNA [NM_000950]
OR51I2	11	3,42E-03	2,31	1,34	1,97	Homo sapiens olfactory receptor, family 51, subfamily I, member 2 (OR51I2), mRNA [NM_001004754]
CDC42SE2	5	6,17E-05	2,31	1,15	2,36	Homo sapiens CDC42 small effector 2 (CDC42SE2), transcript variant 1, mRNA [NM_020240]

HSPH1	13	6,39E-07	2,31	1,01	2,26	Homo sapiens heat shock 105kDa/110kDa protein 1 (HSPH1), mRNA [NM_006644]
GPM6B	X	1,50E-02	2,31	-1,12	2,40	Homo sapiens glycoprotein M6B (GPM6B), transcript variant 2, mRNA [NM_001001996]
PLXDC1	17	4,96E-03	2,31	-1,37	2,56	Homo sapiens plexin domain containing 1 (PLXDC1), mRNA [NM_020405]
NAMPT	7	6,81E-03	2,31	1,04	2,50	Homo sapiens cDNA FLJ13279 fis, clone OVARC1001055, moderately similar to PRE-B CELL ENHANCING FACTOR PRECURSOR. [AK023341]
CTNNBL1	20	2,53E-05	2,31	1,04	2,16	Homo sapiens catenin, beta like 1 (CTNNBL1), mRNA [NM_030877]
MATL2963	12	1,04E-03	2,31	1,16	2,32	Homo sapiens hypothetical LOC283314 (MATL2963), non-coding RNA [NR_026947]
TGM2	20	6,53E-03	2,30	1,19	2,63	Homo sapiens transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase) (TGM2), transcript variant 2, mRNA [NM_198951]
MTHFR	1	1,69E-03	2,30	1,09	2,59	Homo sapiens methylenetetrahydrofolate reductase (NAD(P)H) (MTHFR), mRNA [NM_005957]
C18orf25	18	2,65E-04	2,30	1,03	2,13	Homo sapiens chromosome 18 open reading frame 25 (C18orf25), transcript variant 1, mRNA [NM_145055]
MR1	1	3,03E-05	2,30	1,15	1,91	Homo sapiens major histocompatibility complex, class I-related (MR1), transcript variant 1, mRNA [NM_001531]
RHOB	2	3,60E-03	2,30	1,09	1,94	Homo sapiens ras homolog gene family, member B (RHOB), mRNA [NM_004040]
BPGM	7	2,30E-04	2,30	-1,01	2,17	Homo sapiens 2,3-bisphosphoglycerate mutase (BPGM), transcript variant 2, mRNA [NM_199186]

NAMPT	7	6,83E-07	2,30	1,16	2,28	Homo sapiens nicotinamide phosphoribosyltransferase (NAMPT), mRNA [NM_005746]
GOT1	10	7,61E-05	2,30	-1,02	1,98	Homo sapiens glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1) (GOT1), mRNA [NM_002079]
SMAD7	18	1,79E-05	2,30	1,11	2,08	Homo sapiens SMAD family member 7 (SMAD7), transcript variant 1, mRNA [NM_005904]
NCF1	7	7,16E-03	2,30	-1,27	1,86	Homo sapiens neutrophil cytosolic factor 1 (NCF1), mRNA [NM_000265]
COL23A1	5	4,86E-04	2,29	-1,21	2,23	collagen, type XXIII, alpha 1 [Source:HGNC Symbol;Acc:22990] [ENST00000407622]
PCGF5	10	1,16E-05	2,29	1,07	2,39	Homo sapiens polycomb group ring finger 5 (PCGF5), mRNA [NM_032373]
SLC2A9	4	3,59E-04	2,29	1,18	2,25	Homo sapiens solute carrier family 2 (facilitated glucose transporter), member 9 (SLC2A9), transcript variant 2, mRNA [NM_001001290]
PSMA4	15	1,49E-05	2,28	-1,04	2,24	Homo sapiens proteasome (prosome, macropain) subunit, alpha type, 4 (PSMA4), transcript variant 1, mRNA [NM_002789]
TNFSF13	17	5,38E-04	2,28	1,13	2,04	Homo sapiens tumor necrosis factor (ligand) superfamily, member 13 (TNFSF13), transcript variant gamma, mRNA [NM_172088]
	22	1,54E-02	2,28	2,04	2,59	lincRNA:chr22:43389281-43405581 reverse strand
RAB3IL1	11	2,32E-02	2,28	-1,32	2,07	Homo sapiens RAB3A interacting protein (rabin3)-like 1 (RAB3IL1), mRNA [NM_013401]
ZC3H12C	11	6,18E-03	2,28	-1,01	2,40	Homo sapiens zinc finger CCCH-type containing 12C (ZC3H12C), mRNA [NM_033390]
DYSFIP1	17	8,18E-03	2,28	-1,44	1,73	Homo sapiens dysferlin interacting

						protein 1 (DYSFIP1), mRNA [NM_001007533]
FTSJD2	6	2,85E-05	2,28	1,21	2,11	Homo sapiens FtsJ methyltransferase domain containing 2 (FTSJD2), mRNA [NM_015050]
CTNNBL1	20	2,21E-04	2,28	1,04	2,11	Homo sapiens catenin, beta like 1 (CTNNBL1), mRNA [NM_030877]
C14orf34	14	8,10E-04	2,28	-1,07	2,11	Homo sapiens chromosome 14 open reading frame 34 (C14orf34), transcript variant 1, non-coding RNA [NR_026796]
PHLDA2	11	5,64E-05	2,27	-1,08	2,18	Homo sapiens pleckstrin homology-like domain, family A, member 2 (PHLDA2), mRNA [NM_003311]
FMNL2	2	3,53E-05	2,27	1,10	2,22	formin-like 2 [Source:HGNC Symbol;Acc:18267] [ENST00000421344]
PPPDE2	22	1,58E-04	2,27	1,09	2,27	Homo sapiens PPPDE peptidase domain containing 2 (PPPDE2), mRNA [NM_015704]
APOBEC3F	22	2,20E-05	2,27	1,08	2,31	Homo sapiens apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3F (APOBEC3F), transcript variant 2, mRNA [NM_001006666]
TM4SF19	3	9,86E-04	2,27	-1,02	2,09	Homo sapiens transmembrane 4 L six family member 19 (TM4SF19), transcript variant 1, mRNA [NM_138461]
GPR21	9	4,75E-02	2,26	-1,04	1,58	Homo sapiens G protein-coupled receptor 21 (GPR21), mRNA [NM_005294]
	17	1,95E-02	2,26	1,12	2,58	lincRNA:chr17:21433357-21449982 reverse strand
HDAC9	7	4,15E-02	2,26	1,19	2,14	Homo sapiens histone deacetylase 9 (HDAC9), transcript variant 1, mRNA [NM_058176]
JUNB	19	3,88E-03	2,26	1,15	1,99	Homo sapiens jun B proto-oncogene (JUNB), mRNA [NM_002229]
COL8A2	1	6,28E-04	2,26	1,28	2,48	Homo sapiens collagen, type VIII, alpha 2 (COL8A2),

						mRNA [NM_005202]
C12orf35	12	3,45E-04	2,26	-1,03	2,01	Homo sapiens chromosome 12 open reading frame 35 (C12orf35), mRNA [NM_018169]
ADCK4	19	2,26E-05	2,26	-1,02	2,21	Homo sapiens aarF domain containing kinase 4 (ADCK4), transcript variant 1, mRNA [NM_024876]
NPC1	18	1,62E-04	2,26	1,20	2,17	Homo sapiens Niemann-Pick disease, type C1 (NPC1), mRNA [NM_000271]
C10orf47	10	1,05E-03	2,26	1,11	2,15	Homo sapiens chromosome 10 open reading frame 47 (C10orf47), mRNA [NM_153256]
PCDH7	4	2,48E-03	2,26	1,28	2,11	Homo sapiens protocadherin 7 (PCDH7), transcript variant a, mRNA [NM_002589]
DENND5A	11	4,17E-04	2,26	1,16	2,24	Homo sapiens DENN/MADD domain containing 5A (DENND5A), mRNA [NM_015213]
HELB	12	1,84E-03	2,26	-1,00	2,18	Homo sapiens helicase (DNA) B (HELB), mRNA [NM_033647]
MALT1	18	1,31E-04	2,25	1,06	1,95	Homo sapiens mucosa associated lymphoid tissue lymphoma translocation gene 1 (MALT1), transcript variant 1, mRNA [NM_006785]
LOC286299	9	3,06E-02	2,25	1,24	2,13	Homo sapiens mRNA; cDNA DKFZp686G1495 (from clone DKFZp686G1495). [BX648501]
RELB	19	4,60E-05	2,25	1,03	2,38	Homo sapiens v-rel reticuloendotheliosis viral oncogene homolog B (RELB), mRNA [NM_006509]
	7	4,80E-03	2,25	-1,20	2,68	lincRNA:chr7:26533637-26536770 forward strand
SLC5A10	17	1,95E-02	2,25	-1,12	2,06	Homo sapiens solute carrier family 5 (sodium/glucose cotransporter), member 10 (SLC5A10), transcript variant 1, mRNA [NM_152351]
ANKRD36BP1	1	1,31E-03	2,25	1,15	2,01	Homo sapiens ankyrin repeat domain 36B pseudogene 1

						(ANKRD36BP1), non-coding RNA [NR_026844]
HRASLS2	11	3,49E-03	2,25	-1,02	1,95	Homo sapiens HRAS-like suppressor 2 (HRASLS2), mRNA [NM_017878]
VTCN1	1	3,89E-02	2,25	1,53	1,92	V-set domain containing T cell activation inhibitor 1 [Source:HGNC Symbol;Acc:28873] [ENST00000369456]
NUAK2	1	1,67E-03	2,25	-1,25	2,15	Homo sapiens NUAK family, SNF1-like kinase, 2 (NUAK2), mRNA [NM_030952]
MTMR11	1	1,67E-04	2,24	1,11	2,20	Homo sapiens myotubularin related protein 11 (MTMR11), transcript variant 2, mRNA [NM_181873]
TNC	9	8,09E-04	2,24	1,02	2,44	Homo sapiens tenascin C (TNC), mRNA [NM_002160]
CFL2	14	1,42E-02	2,24	-1,04	2,02	Homo sapiens cofilin 2 (muscle) (CFL2), transcript variant 1, mRNA [NM_021914]
HMSD	18	2,23E-04	2,24	-1,00	2,36	Homo sapiens histocompatibility (minor) serpin domain containing (HMSD), mRNA [NM_001123366]
NAMPT	7	9,39E-04	2,24	1,15	1,99	Homo sapiens nicotinamide phosphoribosyltransferase (NAMPT), mRNA [NM_005746]
C19orf28	19	4,88E-03	2,23	1,08	2,12	Homo sapiens chromosome 19 open reading frame 28 (C19orf28), transcript variant 2, mRNA [NM_001042680]
ASAP1	8	1,14E-02	2,23	1,06	2,19	Homo sapiens ArfGAP with SH3 domain, ankyrin repeat and PH domain 1 (ASAP1), mRNA [NM_018482]
RIPK3	14	1,03E-02	2,23	1,21	2,16	Homo sapiens receptor-interacting serine-threonine kinase 3 (RIPK3), mRNA [NM_006871]
HK1	10	9,91E-07	2,23	1,13	2,03	Homo sapiens hexokinase 1 (HK1), nuclear gene encoding mitochondrial protein, transcript variant 5, mRNA [NM_033500]
TJP2	9	1,11E-02	2,23	1,14	2,03	Homo sapiens tight

						junction protein 2 (zona occludens 2) (TJP2), transcript variant 2, mRNA [NM_201629]
APOL4	22	4,33E-04	2,23	-1,00	2,21	apolipoprotein L, 4 [Source:HGNC Symbol;Acc:14867] [ENST00000328429]
DCUN1D3	16	3,96E-04	2,22	-1,00	2,01	Homo sapiens DCN1, defective in cullin neddylation 1, domain containing 3 (S. cerevisiae) (DCUN1D3), mRNA [NM_173475]
DUSP5	10	3,50E-03	2,22	1,07	2,03	Homo sapiens dual specificity phosphatase 5 (DUSP5), mRNA [NM_004419]
DGKG	3	2,23E-03	2,22	1,04	1,95	Homo sapiens diacylglycerol kinase, gamma 90kDa (DGKG), transcript variant 1, mRNA [NM_001346]
HMGCLL1	6	1,72E-02	2,22	1,00	1,82	Homo sapiens 3-hydroxymethyl-3-methylglutaryl-CoA lyase-like 1 (HMGCLL1), transcript variant 1, mRNA [NM_019036]
LOC388692	1	1,76E-03	2,22	1,11	2,01	Homo sapiens hypothetical LOC388692 (LOC388692), non-coding RNA [NR_027002]
SCO2	22	4,69E-04	2,22	1,12	2,04	Homo sapiens SCO cytochrome oxidase deficient homolog 2 (yeast) (SCO2), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_005138]
XLOC_003204	3	1,07E-02	2,22	1,13	2,40	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
ITPR1	3	1,65E-02	2,22	1,07	2,04	Homo sapiens inositol 1,4,5-trisphosphate receptor, type 1 (ITPR1), transcript variant 2, mRNA [NM_002222]
TRIM26	6	8,30E-04	2,22	1,07	1,87	Homo sapiens tripartite motif containing 26 (TRIM26), transcript variant 1, mRNA [NM_003449]
TOP1	20	3,49E-05	2,22	-1,10	1,82	Homo sapiens

						topoisomerase (DNA) I (TOP1), mRNA [NM_003286]
TRIM14	9	2,20E-04	2,22	-1,03	1,90	Homo sapiens tripartite motif containing 14 (TRIM14), transcript variant 2, mRNA [NM_033219]
FMNL2	2	6,34E-05	2,22	1,20	2,12	Homo sapiens formin-like 2 (FMNL2), mRNA [NM_052905]
SH3BP2	4	5,64E-03	2,21	1,11	2,02	Homo sapiens SH3-domain binding protein 2 (SH3BP2), transcript variant 4, mRNA [NM_001145855]
	3	8,33E-04	2,21	-1,02	2,14	lincRNA:chr3:179042 46-18167346 forward strand
GPR119	X	2,76E-04	2,21	-1,05	2,04	Homo sapiens G protein-coupled receptor 119 (GPR119), mRNA [NM_178471]
CALCRL	2	1,92E-02	2,21	-1,31	2,01	Homo sapiens calcitonin receptor-like (CALCRL), mRNA [NM_005795]
GJD3	17	3,37E-05	2,21	1,04	2,04	Homo sapiens gap junction protein, delta 3, 31.9kDa (GJD3), mRNA [NM_152219]
CXCL16	17	9,55E-04	2,21	-1,05	2,25	Homo sapiens chemokine (C-X-C motif) ligand 16 (CXCL16), transcript variant 1, mRNA [NM_022059]
DEFB1	8	5,77E-03	2,21	1,54	2,01	Homo sapiens defensin, beta 1 (DEFB1), mRNA [NM_005218]
TJP2	9	3,92E-02	2,21	-1,25	2,35	tight junction protein 2 (zona occludens 2) [Source:HGNC Symbol;Acc:11828] [ENST00000377259]
C17orf110	17	4,61E-02	2,21	1,00	1,60	Homo sapiens chromosome 17 open reading frame 110 (C17orf110), mRNA [NM_001162997]
NFKBIZ	3	1,94E-02	2,21	1,23	2,26	Homo sapiens nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta (NFKBIZ), transcript variant 1, mRNA [NM_031419]
LOC284939	22	1,05E-02	2,21	-1,15	1,72	Homo sapiens cDNA FLJ37123 fis, clone BRACE2022450. [AK094442]

AKAP2	9	4,58E-03	2,21	1,14	2,30	Homo sapiens A kinase (PRKA) anchor protein 2 (AKAP2), transcript variant 1, mRNA [NM_001004065]
CPT1B	22	3,73E-03	2,21	1,09	2,01	Homo sapiens carnitine palmitoyltransferase 1B (muscle) (CPT1B), nuclear gene encoding mitochondrial protein, transcript variant 3, mRNA [NM_152246]
DENND1A	9	5,52E-05	2,21	1,05	1,80	Homo sapiens DENN/MADD domain containing 1A (DENND1A), transcript variant 1, mRNA [NM_020946]
FAM172BP	3	6,60E-04	2,21	1,08	2,33	Homo sapiens family with sequence similarity 172, member B, pseudogene (FAM172BP), non-coding RNA [NR_036433]
FAS	10	7,77E-03	2,20	1,10	2,11	Homo sapiens Fas (TNF receptor superfamily, member 6) (FAS), transcript variant 1, mRNA [NM_000043]
REXO1L1	8	3,02E-04	2,20	-1,12	1,98	Homo sapiens REX1, RNA exonuclease 1 homolog (S. cerevisiae)-like 1 (REXO1L1), mRNA [NM_172239]
NCF4	22	2,44E-04	2,20	-1,09	1,83	Homo sapiens neutrophil cytosolic factor 4, 40kDa (NCF4), transcript variant 1, mRNA [NM_000631]
HERC3	4	6,47E-04	2,20	1,24	2,03	Homo sapiens hect domain and RLD 3 (HERC3), mRNA [NM_014606]
PDLIM4	5	4,34E-06	2,20	1,07	2,24	Homo sapiens PDZ and LIM domain 4 (PDLIM4), transcript variant 1, mRNA [NM_003687]
	6	1,68E-02	2,20	1,54	1,74	lincRNA:chr6:116759632-116767182 reverse strand
CYB561D2	3	5,87E-04	2,20	1,19	1,98	Homo sapiens cytochrome b-561 domain containing 2 (CYB561D2), mRNA [NM_007022]
RELA	11	1,75E-03	2,20	1,02	1,93	Homo sapiens v-rel reticuloendotheliosis viral oncogene

						homolog A (avian) (RELA), transcript variant 1, mRNA [NM_021975]
DENND1A	9	1,36E-04	2,19	1,09	2,14	Homo sapiens DENN/MADD domain containing 1A (DENND1A), transcript variant 2, mRNA [NM_024820]
CFI	4	2,56E-02	2,19	1,14	2,06	Homo sapiens complement factor I (CFI), mRNA [NM_000204]
C1orf226	1	8,16E-03	2,19	1,18	1,89	Homo sapiens chromosome 1 open reading frame 226 (C1orf226), transcript variant 1, mRNA [NM_001135240]
ME2	18	1,10E-04	2,19	1,16	2,11	Homo sapiens malic enzyme 2, NAD(+)-dependent, mitochondrial (ME2), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_002396]
MIG7	1	2,60E-04	2,19	1,04	2,40	Homo sapiens MIG7 (MIG7) mRNA, complete cds. [DQ080207]
SH2B3	12	2,79E-05	2,19	1,18	2,26	Homo sapiens SH2B adaptor protein 3 (SH2B3), mRNA [NM_005475]
HDAC4	2	6,54E-04	2,19	1,17	2,27	Homo sapiens histone deacetylase 4 (HDAC4), mRNA [NM_006037]
TRAFD1	12	1,91E-05	2,19	-1,08	1,96	Homo sapiens TRAF-type zinc finger domain containing 1 (TRAFD1), transcript variant 1, mRNA [NM_001143906]
IL2RG	X	5,76E-03	2,18	-1,10	2,24	Homo sapiens interleukin 2 receptor, gamma (IL2RG), mRNA [NM_000206]
PTPRA	20	5,22E-06	2,18	1,06	1,99	Homo sapiens protein tyrosine phosphatase, receptor type, A (PTPRA), transcript variant 1, mRNA [NM_002836]
	1	3,71E-04	2,18	1,09	2,24	lincRNA:chr1:94218481-94240930 reverse strand
PELI3	11	2,89E-03	2,18	1,03	1,85	Homo sapiens pellino homolog 3 (Drosophila) (PELI3), transcript variant 1, mRNA [NM_145065]

ELF3	1	1,87E-02	2,18	1,15	1,61	Homo sapiens E74-like factor 3 (ets domain transcription factor, epithelial-specific) (ELF3), transcript variant 1, mRNA [NM_004433]
	12	2,79E-02	2,18	-1,01	2,55	lincRNA:chr12:95697844-95704411 reverse strand
PAPLN	14	5,28E-04	2,18	1,05	2,26	Homo sapiens papilin, proteoglycan-like sulfated glycoprotein (PAPLN), mRNA [NM_173462]
COQ10B	2	5,52E-03	2,18	1,16	1,84	Homo sapiens coenzyme Q10 homolog B (S. cerevisiae) (COQ10B), nuclear gene encoding mitochondrial protein, mRNA [NM_025147]
ATP13A3	3	5,29E-04	2,18	-1,01	2,33	Homo sapiens ATPase type 13A3 (ATP13A3), mRNA [NM_024524]
LMOD1	1	6,27E-04	2,17	1,54	2,24	Homo sapiens leiomodin 1 (smooth muscle) (LMOD1), mRNA [NM_012134]
DNPEP	2	4,51E-06	2,17	1,09	2,05	Homo sapiens aspartyl aminopeptidase (DNPEP), mRNA [NM_012100]
TNIP2	4	1,16E-02	2,17	1,22	2,17	Homo sapiens TNFAIP3 interacting protein 2 (TNIP2), transcript variant 1, mRNA [NM_024309]
	1	1,54E-02	2,17	1,01	2,27	lincRNA:chr1:205404902-205417676 reverse strand
PSMA5	1	5,86E-05	2,16	1,13	2,16	Homo sapiens proteasome (prosome, macropain) subunit, alpha type, 5 (PSMA5), transcript variant 1, mRNA [NM_002790]
	11	7,96E-03	2,16	1,41	1,76	Q2J851_FRASC (Q2J851) ATPases involved in chromosome partitioning-like, partial (5%) [THC2515563]
CHI3L2	1	5,80E-04	2,16	-1,05	2,18	Homo sapiens chitinase 3-like 2 (CHI3L2), transcript variant 3, mRNA [NM_001025199]
GAS8	16	6,57E-06	2,16	1,06	2,06	Homo sapiens growth arrest-specific 8 (GAS8), transcript

						variant 1, mRNA [NM_001481]
MR1	1	2,40E-06	2,16	1,05	1,95	Homo sapiens major histocompatibility complex, class I-related (MR1), transcript variant 1, mRNA [NM_001531]
OR2A9P	7	1,13E-03	2,16	1,02	2,13	Homo sapiens olfactory receptor, family 2, subfamily A, member 9 pseudogene (OR2A9P), non-coding RNA [NR_002157]
C1orf21	1	5,09E-04	2,16	1,17	1,93	Homo sapiens chromosome 1 open reading frame 21 (C1orf21), mRNA [NM_030806]
ARPC5L	9	2,28E-04	2,16	-1,02	1,89	Homo sapiens actin related protein 2/3 complex, subunit 5-like (ARPC5L), mRNA [NM_030978]
FAS	10	6,34E-03	2,16	1,10	2,07	Homo sapiens Fas (TNF receptor superfamily, member 6) (FAS), transcript variant 1, mRNA [NM_000043]
MPZL2	11	2,67E-04	2,16	1,28	2,22	Homo sapiens myelin protein zero-like 2 (MPZL2), transcript variant 1, mRNA [NM_005797]
LGALS8	1	2,97E-02	2,16	-1,08	1,53	lectin, galactoside-binding, soluble, 8 [Source:HGNC Symbol;Acc:6569] [ENST00000366583]
IL4R	16	7,61E-03	2,16	1,44	1,94	Homo sapiens interleukin 4 receptor (IL4R), transcript variant 2, mRNA [NM_001008699]
PAK3	X	4,34E-02	2,15	-1,68	1,69	Homo sapiens p21 protein (Cdc42/Rac)-activated kinase 3 (PAK3), transcript variant 2, mRNA [NM_002578]
TSTA3	8	1,40E-04	2,15	1,26	2,02	Homo sapiens tissue specific transplantation antigen P35B (TSTA3), mRNA [NM_003313]
BMX	X	8,37E-03	2,15	-1,07	1,67	Homo sapiens BMX non-receptor tyrosine kinase (BMX), transcript variant 2, mRNA [NM_001721]
CLDN7	17	2,84E-03	2,15	1,06	1,96	Homo sapiens claudin 7 (CLDN7), transcript variant 1, mRNA [NM_001307]
RASA2	3	3,07E-03	2,15	-1,06	1,98	Homo sapiens RAS

						p21 protein activator 2 (RASA2), mRNA [NM_006506]
SNX10	7	1,98E-04	2,15	-1,03	2,22	Homo sapiens sorting nexin 10 (SNX10), transcript variant 2, mRNA [NM_013322]
PRNP	20	4,55E-04	2,15	1,05	1,99	Homo sapiens prion protein (PRNP), transcript variant 1, mRNA [NM_000311]
ST5	11	1,63E-05	2,15	1,30	2,48	Homo sapiens suppression of tumorigenicity 5 (ST5), transcript variant 1, mRNA [NM_005418]
MTHFD2	2	1,75E-03	2,15	-1,07	2,20	Homo sapiens methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase (MTHFD2), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_006636]
C14orf149	14	2,83E-03	2,14	-1,02	2,16	Homo sapiens chromosome 14 open reading frame 149 (C14orf149), mRNA [NM_144581]
COG5	7	2,44E-03	2,14	1,12	2,06	Homo sapiens component of oligomeric golgi complex 5 (COG5), transcript variant 1, mRNA [NM_006348]
KDSR	18	6,95E-04	2,14	1,27	1,81	Homo sapiens 3-ketodihydrosphingosine reductase (KDSR), mRNA [NM_002035]
LOC100133669	8	5,18E-03	2,14	1,01	1,92	Homo sapiens hypothetical LOC100133669 (LOC100133669), non-coding RNA [NR_026913]
ST7-AS1	7	1,17E-03	2,14	1,08	2,40	Homo sapiens ST7 antisense RNA 1 (non-protein coding) (ST7-AS1), antisense RNA [NR_002330]
	1	4,94E-03	2,14	1,11	2,31	lincRNA:chr1:205404014-205407007 reverse strand
S100A7A	1	5,71E-03	2,14	22,14	5,77	Homo sapiens S100 calcium binding protein A7A (S100A7A), mRNA [NM_176823]
EBF4	20	9,87E-04	2,13	1,07	1,76	Homo sapiens early B-cell factor 4

						(EBF4), mRNA [NM_001110514]
VPS16	20	6,94E-05	2,13	1,08	1,85	Homo sapiens vacuolar protein sorting 16 homolog (S. cerevisiae) (VPS16), transcript variant 1, mRNA [NM_022575]
DENND4A	15	1,09E-04	2,13	-1,10	1,94	Homo sapiens DENN/MADD domain containing 4A (DENND4A), transcript variant 1, mRNA [NM_001144823]
CALCRL	2	1,58E-02	2,13	1,04	1,83	Homo sapiens calcitonin receptor-like (CALCRL), mRNA [NM_005795]
LSR	19	5,10E-05	2,13	1,01	1,99	Homo sapiens lipolysis stimulated lipoprotein receptor (LSR), transcript variant 2, mRNA [NM_205834]
CEACAM5	19	2,32E-02	2,13	-1,37	1,42	Homo sapiens carcinoembryonic antigen-related cell adhesion molecule 5 (CEACAM5), mRNA [NM_004363]
CSRP1	1	8,00E-03	2,13	1,35	3,74	cysteine and glycine-rich protein 1 [Source:HGNC Symbol;Acc:2469] [ENST00000533402]
SERPINB8	18	4,82E-04	2,13	-1,00	2,07	Homo sapiens serpin peptidase inhibitor, clade B (ovalbumin), member 8 (SERPINB8), transcript variant 3, mRNA [NM_001031848]
RIPK1	6	1,31E-04	2,13	1,02	2,21	Homo sapiens receptor (TNFRSF)-interacting serine-threonine kinase 1 (RIPK1), mRNA [NM_003804]
HEXDC	17	1,27E-05	2,13	-1,01	2,25	Homo sapiens hexosaminidase (glycosyl hydrolase family 20, catalytic domain) containing (HEXDC), mRNA [NM_173620]
OPTN	10	1,71E-06	2,12	-1,00	2,18	Homo sapiens optineurin (OPTN), transcript variant 1, mRNA [NM_001008211]

MMAA	4	4,50E-04	2,12	-1,00	1,81	Homo sapiens methylmalonic aciduria (cobalamin deficiency) cblA type (MMAA), nuclear gene encoding mitochondrial protein, mRNA [NM_172250]
DUSP6	12	5,94E-04	2,12	1,14	1,98	Homo sapiens dual specificity phosphatase 6 (DUSP6), transcript variant 1, mRNA [NM_001946]
BLZF1	1	7,67E-04	2,12	-1,08	1,97	Homo sapiens basic leucine zipper nuclear factor 1 (BLZF1), mRNA [NM_003666]
TPK1	7	2,89E-03	2,12	1,30	2,17	Homo sapiens thiamin pyrophosphokinase 1 (TPK1), transcript variant 1, mRNA [NM_022445]
SNX6	14	9,45E-05	2,12	1,06	2,08	Homo sapiens sorting nexin 6 (SNX6), transcript variant 1, mRNA [NM_021249]
BLZF1	1	3,10E-04	2,12	1,06	1,99	basic leucine zipper nuclear factor 1 [Source:HGNC Symbol;Acc:1065] [ENST00000367808]
LOC100132831	X	1,77E-02	2,12	1,19	1,98	Homo sapiens A20-binding inhibitor of NF-kappaB activation 2 pseudogene (LOC100132831), non-coding RNA [NR_027761]
TSKU	11	2,31E-05	2,12	1,15	2,06	Homo sapiens tsukushi small leucine rich proteoglycan homolog (Xenopus laevis) (TSKU), mRNA [NM_015516]
KIRREL3	11	1,01E-03	2,12	-1,26	2,20	Homo sapiens kin of IRRE like 3 (Drosophila) (KIRREL3), transcript variant 1, mRNA [NM_032531]
LRTOMT	11	3,59E-03	2,12	1,10	2,06	Homo sapiens leucine rich transmembrane and 0-methyltransferase domain containing (LRTOMT), transcript variant 4, mRNA [NM_001145308]
SNX9	6	7,10E-03	2,11	1,14	1,78	Homo sapiens sorting nexin 9 (SNX9), mRNA [NM_016224]

CFLAR	2	2,45E-03	2,11	1,02	1,97	Homo sapiens CASP8 and FADD-like apoptosis regulator (CFLAR), transcript variant 1, mRNA [NM_003879]
SH3D21	1	1,41E-03	2,11	1,04	2,14	SH3 domain containing 21 [Source:HGNC Symbol;Acc:26236] [ENST00000480549]
RELL1	4	5,93E-04	2,11	-1,03	2,15	Homo sapiens RELT-like 1 (RELL1), transcript variant 1, mRNA [NM_001085400]
TICAM1	19	8,12E-05	2,10	1,01	2,12	Homo sapiens toll-like receptor adaptor molecule 1 (TICAM1), mRNA [NM_182919]
SLC30A7	1	1,58E-03	2,10	1,18	2,19	Homo sapiens solute carrier family 30 (zinc transporter), member 7 (SLC30A7), transcript variant 1, mRNA [NM_133496]
TICAM1	19	7,17E-04	2,10	-1,04	1,92	Homo sapiens toll-like receptor adaptor molecule 1 (TICAM1), mRNA [NM_182919]
ASPHD2	22	5,39E-04	2,10	1,04	2,01	Homo sapiens aspartate beta-hydroxylase domain containing 2 (ASPHD2), mRNA [NM_020437]
XLOC_003608	4	2,25E-02	2,10	1,78	-1,13	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
OSMR	5	6,19E-04	2,10	1,34	2,16	Homo sapiens oncostatin M receptor (OSMR), transcript variant 1, mRNA [NM_003999]
C5orf15	5	2,06E-03	2,10	1,16	2,16	Homo sapiens chromosome 5 open reading frame 15 (C5orf15), mRNA [NM_020199]
	2	2,54E-02	2,10	1,24	1,97	lincRNA:chr2:114735602-114736110 reverse strand
TRIB2	2	8,44E-05	2,10	1,03	1,82	Homo sapiens tribbles homolog 2 (Drosophila) (TRIB2), transcript variant 1, mRNA [NM_021643]
CATSPERB	14	4,56E-02	2,10	1,46	1,82	Homo sapiens cation channel, sperm-associated, beta (CATSPERB), mRNA [NM_024764]
JMJD6	17	1,18E-03	2,09	1,16	1,95	Homo sapiens jumonji domain containing 6

						(JMJD6), transcript variant 2, mRNA [NM_015167]
HDAC9	7	2,37E-03	2,09	-1,17	1,96	Homo sapiens histone deacetylase 9 (HDAC9), transcript variant 3, mRNA [NM_014707]
SH3TC1	4	4,35E-02	2,09	1,18	2,39	Homo sapiens SH3 domain and tetratricopeptide repeats 1, mRNA (cDNA clone IMAGE:6291103), complete cds. [BC068094]
FAR2	12	7,27E-05	2,09	1,06	2,27	Homo sapiens fatty acyl CoA reductase 2 (FAR2), mRNA [NM_018099]
	17	9,91E-03	2,09	-1,04	2,11	lincRNA:chr17:78306364-78308071 reverse strand
RHOB	2	7,10E-03	2,09	1,18	1,88	Homo sapiens ras homolog gene family, member B (RHOB), mRNA [NM_004040]
XLOC_006252	7	3,66E-04	2,08	-1,14	1,96	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
XLOC_003457	4	3,46E-02	2,08	-1,44	1,93	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
TRIB2	2	6,11E-05	2,08	-1,05	2,34	tribbles homolog 2 (Drosophila) [Source:HGNC Symbol;Acc:30809] [ENST00000405331]
TINF2	14	4,56E-03	2,08	1,28	2,07	Homo sapiens TERF1 (TRF1)-interacting nuclear factor 2 (TINF2), transcript variant 2, mRNA [NM_012461]
NCF1	7	1,73E-02	2,08	-1,15	1,70	Homo sapiens neutrophil cytosolic factor 1 (NCF1), mRNA [NM_000265]
FAS	10	2,44E-03	2,08	1,05	2,01	Homo sapiens Fas (TNF receptor superfamily, member 6) (FAS), transcript variant 1, mRNA [NM_000043]
WDR45	X	7,29E-04	2,08	1,10	1,86	Homo sapiens WD repeat domain 45 (WDR45), transcript variant 1, mRNA [NM_007075]
	11	2,48E-02	2,08	1,17	2,04	Homo sapiens cDNA FLJ46155 fis, clone TESTI4001517. [AK128036]
	6	6,10E-03	2,08	1,05	1,91	Homo sapiens mRNA; cDNA

						DKFZp686H0413 (from clone DKFZp686H0413). [AL832737]
KRT8	12	4,10E-05	2,08	1,24	1,92	Homo sapiens keratin 8 (KRT8), mRNA [NM_002273]
GRAMD1C	3	1,42E-03	2,08	-1,04	1,93	Homo sapiens GRAM domain containing 1C (GRAMD1C), transcript variant 1, mRNA [NM_017577]
TNFRSF10A	8	3,08E-04	2,08	1,13	2,08	Homo sapiens tumor necrosis factor receptor superfamily, member 10a (TNFRSF10A), mRNA [NM_003844]
EPB41L5	2	8,22E-04	2,07	1,05	1,76	Homo sapiens erythrocyte membrane protein band 4.1 like 5 (EPB41L5), transcript variant 3, mRNA [NM_001184938]
C9orf89	9	2,05E-04	2,07	1,14	2,00	Homo sapiens chromosome 9 open reading frame 89 (C9orf89), mRNA [NM_032310]
LOC100510292	14	2,12E-02	2,07	1,32	1,90	PREDICTED: Homo sapiens putative alpha-1-antitrypsin-related protein-like (LOC100510292), mRNA [XM_003120788]
	16	3,52E-03	2,07	1,01	1,75	lincRNA:chr16:20866393-20866851 reverse strand
	2	3,26E-02	2,07	1,41	2,03	BX104084 Soares_testis_NHT Homo sapiens cDNA clone IMAGp998N184411, mRNA sequence [BX104084]
FOXN2	2	7,31E-05	2,07	1,08	2,21	Homo sapiens forkhead box N2 (FOXN2), mRNA [NM_002158]
UHMK1	1	4,99E-04	2,07	1,01	1,96	Homo sapiens U2AF homology motif (UHM) kinase 1 (UHMK1), transcript variant 1, mRNA [NM_175866]
DNAJB6	7	6,88E-04	2,07	1,16	2,02	Homo sapiens DnaJ (Hsp40) homolog, subfamily B, member 6 (DNAJB6), transcript variant 2, mRNA [NM_005494]
SCYL3	1	1,30E-06	2,07	1,00	1,99	Homo sapiens SCY1-like 3 (S. cerevisiae) (SCYL3), transcript variant 1,

						mRNA [NM_020423]
CEACAM3	19	4,30E-03	2,07	-1,07	1,56	Homo sapiens carcinoembryonic antigen-related cell adhesion molecule 3 (CEACAM3), mRNA [NM_001815]
C3orf79	3	2,34E-02	2,07	-1,27	2,23	Homo sapiens chromosome 3 open reading frame 79 (C3orf79), mRNA [NM_001101337]
	7	4,40E-02	2,07	1,40	1,61	lincRNA:chr7:45019225-45026725 reverse strand
RBM47	4	1,71E-03	2,06	1,15	1,89	Homo sapiens RNA binding motif protein 47 (RBM47), transcript variant 2, mRNA [NM_019027]
RUNX3	1	2,16E-03	2,06	1,11	2,26	Homo sapiens runt-related transcription factor 3 (RUNX3), transcript variant 1, mRNA [NM_001031680]
IRX5	16	2,74E-03	2,06	-1,05	1,59	Homo sapiens iroquois homeobox 5 (IRX5), mRNA [NM_005853]
CCNL1	3	1,37E-03	2,06	-1,07	1,82	Homo sapiens cyclin L1 (CCNL1), mRNA [NM_020307]
BBX	3	1,57E-05	2,06	1,06	1,92	Homo sapiens bobby sox homolog (Drosophila) (BBX), transcript variant 2, mRNA [NM_020235]
NFASC	1	7,46E-04	2,06	1,05	1,84	Homo sapiens neurofascin (NFASC), transcript variant 1, mRNA [NM_001005388]
	4	1,68E-04	2,06	1,11	2,11	lincRNA:chr4:15683284-15688819 forward strand
C13orf27	13	1,08E-04	2,06	1,04	1,95	Homo sapiens chromosome 13 open reading frame 27 (C13orf27), mRNA [NM_138779]
LTB	6	6,09E-04	2,06	-1,19	2,27	Homo sapiens lymphotoxin beta (TNF superfamily, member 3) (LTB), transcript variant 1, mRNA [NM_002341]
	2	2,17E-03	2,06	1,19	1,92	PREDICTED: Homo sapiens hypothetical LOC100128130 (LOC100128130), miscRNA [XR_109904]
ARL5B	10	5,22E-04	2,06	-1,04	1,78	Homo sapiens ADP-ribosylation factor-like 5B (ARL5B), mRNA [NM_178815]
MBP	18	3,93E-05	2,06	1,05	1,96	Homo sapiens myelin basic protein

						(MBP), transcript variant 8, mRNA [NM_001025100]
CHAC1	15	6,16E-03	2,05	-1,45	1,48	Homo sapiens ChaC, cation transport regulator homolog 1 (E. coli) (CHAC1), transcript variant 1, mRNA [NM_024111]
BBX	3	8,31E-05	2,05	-1,01	1,89	Homo sapiens bobby sox homolog (Drosophila) (BBX), transcript variant 1, mRNA [NM_001142568]
RTTN	18	1,04E-03	2,05	-1,06	2,23	Homo sapiens rotatin (RTTN), mRNA [NM_173630]
CLDN25	11	2,09E-02	2,05	1,30	1,61	Homo sapiens claudin 25 (CLDN25), mRNA [NM_001101389]
SFTA2	6	1,61E-02	2,05	1,02	2,02	Homo sapiens surfactant associated 2 (SFTA2), mRNA [NM_205854]
	1	7,12E-03	2,05	1,22	2,24	Homo sapiens PP632 unknown mRNA. [AY240960]
GJA4	1	2,68E-02	2,05	1,00	1,63	Homo sapiens gap junction protein, alpha 4, 37kDa (GJA4), mRNA [NM_002060]
SLC2A6	9	2,33E-03	2,05	1,08	2,16	Homo sapiens solute carrier family 2 (facilitated glucose transporter), member 6 (SLC2A6), transcript variant 1, mRNA [NM_017585]
LOC440900	2	1,30E-02	2,05	1,14	1,97	Homo sapiens hypothetical LOC440900 (LOC440900), non-coding RNA [NR_034128]
	18	1,16E-02	2,05	1,17	3,03	lincRNA:chr18:74240765-74283136 forward strand
STBD1	4	9,87E-04	2,05	1,17	1,84	Homo sapiens starch binding domain 1 (STBD1), mRNA [NM_003943]
PDE6H	12	1,30E-02	2,05	1,06	1,33	Homo sapiens phosphodiesterase 6H, cGMP-specific, cone, gamma (PDE6H), mRNA [NM_006205]
REC8	14	5,51E-03	2,05	1,24	2,06	Homo sapiens REC8 homolog (yeast) (REC8), transcript variant 2, mRNA [NM_001048205]
EBI3	19	2,87E-02	2,05	-1,07	2,15	Homo sapiens Epstein-Barr virus induced 3 (EBI3), mRNA [NM_005755]

C8orf60	8	3,61E-03	2,04	1,01	2,06	Homo sapiens cDNA FLJ12193 fis, clone MAMMA1000856. [AK022255]
CHIC2	4	1,36E-03	2,04	1,02	1,93	Homo sapiens cysteine-rich hydrophobic domain 2 (CHIC2), mRNA [NM_012110]
PTER	10	6,85E-04	2,04	-1,09	1,81	Homo sapiens phosphotriesterase related (PTER), transcript variant 1, mRNA [NM_001001484]
ASB7	15	4,52E-04	2,04	1,18	1,86	Homo sapiens ankyrin repeat and SOCS box containing 7 (ASB7), transcript variant 1, mRNA [NM_024708]
TAOK3	12	2,30E-03	2,04	-1,05	2,01	Homo sapiens TAO kinase 3 (TAOK3), mRNA [NM_016281]
NCBP1	9	1,67E-02	2,04	1,00	-1,38	nuclear cap binding protein subunit 1, 80kDa [Source:HGNC Symbol;Acc:7658] [ENST00000375130]
USP15	12	1,92E-04	2,04	1,15	2,04	Homo sapiens ubiquitin specific peptidase 15 (USP15), mRNA [NM_006313]
MBD2	18	1,56E-02	2,04	-1,07	1,59	Homo sapiens methyl-CpG binding domain protein 2 (MBD2), transcript variant 2, mRNA [NM_015832]
ATF3	1	4,17E-03	2,04	-1,24	2,08	Homo sapiens activating transcription factor 3 (ATF3), transcript variant 1, mRNA [NM_001674]
BCAP29	7	8,11E-05	2,04	1,09	2,11	Homo sapiens B-cell receptor-associated protein 29 (BCAP29), transcript variant 2, mRNA [NM_018844]
LOC645261	5	1,90E-02	2,04	-1,13	1,90	Homo sapiens PP565 mRNA, complete cds. [AF258587]
CDKN2A	9	7,63E-05	2,04	1,12	1,99	Homo sapiens cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4) (CDKN2A), transcript variant 1, mRNA [NM_000077]
TRPV2	17	2,72E-03	2,03	-1,02	2,15	Homo sapiens transient receptor potential cation channel, subfamily V, member 2 (TRPV2),

						mRNA [NM_016113]
KIF19	17	7,72E-03	2,03	-1,62	2,47	Homo sapiens kinesin family member 19 (KIF19), mRNA [NM_153209]
ARHGEF35	7	2,99E-05	2,03	-1,08	1,92	Homo sapiens Rho guanine nucleotide exchange factor (GEF) 35 (ARHGEF35), mRNA [NM_001003702]
FOLR2	11	2,30E-04	2,03	-1,15	2,02	Homo sapiens folate receptor 2 (fetal) (FOLR2), transcript variant 1, mRNA [NM_000803]
SPCS3	4	4,04E-06	2,03	1,06	1,98	Homo sapiens signal peptidase complex subunit 3 homolog (S. cerevisiae) (SPCS3), mRNA [NM_021928]
SHISA5	3	3,18E-04	2,03	1,14	2,03	Homo sapiens shisa homolog 5 (Xenopus laevis) (SHISA5), mRNA [NM_016479]
EPB41	1	1,69E-03	2,03	1,10	2,22	Homo sapiens erythrocyte membrane protein band 4.1 (elliptocytosis 1, RH-linked) (EPB41), transcript variant 4, mRNA [NM_203342]
NRP2	2	2,50E-06	2,03	1,16	2,08	Homo sapiens neuropilin 2 (NRP2), transcript variant 6, mRNA [NM_201264]
USP49	6	5,19E-05	2,03	1,13	1,73	ubiquitin specific peptidase 49 [Source:HGNC Symbol;Acc:20078] [ENST00000394253]
BHLHE40	3	1,62E-02	2,03	1,21	1,98	Homo sapiens basic helix-loop-helix family, member e40 (BHLHE40), mRNA [NM_003670]
GABPB1	15	4,64E-04	2,03	1,01	1,98	Homo sapiens GA binding protein transcription factor, beta subunit 1 (GABPB1), transcript variant gamma-1, mRNA [NM_002041]
TBC1D1	4	1,21E-02	2,02	-1,50	2,20	Homo sapiens TBC1 (tre-2/USP6, BUB2, cdc16) domain family, member 1, mRNA (cDNA clone IMAGE:5211948), with apparent retained intron. [BC028196]
RP2	X	2,62E-04	2,02	1,10	2,06	Homo sapiens retinitis pigmentosa 2 (X-linked recessive) (RP2), mRNA [NM_006915]

GCNT3	15	4,34E-02	2,02	-1,40	1,16	Homo sapiens glucosaminyl (N-acetyl) transferase 3, mucin type (GCNT3), mRNA [NM_004751]
CYP4X1	1	3,86E-03	2,02	1,02	1,61	Homo sapiens cytochrome P450, family 4, subfamily X, polypeptide 1 (CYP4X1), mRNA [NM_178033]
C15orf39	15	1,08E-03	2,02	-1,00	1,72	Homo sapiens chromosome 15 open reading frame 39 (C15orf39), mRNA [NM_015492]
IFNAR2	21	8,73E-04	2,02	-1,00	2,10	Homo sapiens interferon (alpha, beta and omega) receptor 2 (IFNAR2), transcript variant 2, mRNA [NM_000874]
FLOT1	6	2,07E-04	2,02	1,16	1,92	Homo sapiens flotillin 1 (FLOT1), mRNA [NM_005803]
	2	1,40E-02	2,02	1,04	2,45	lincRNA:chr2:37327291-37327559 forward strand
EPHA2	1	1,05E-03	2,02	1,15	1,86	Homo sapiens EPH receptor A2 (EPHA2), mRNA [NM_004431]
TAPBP	6	4,17E-05	2,02	1,05	2,09	Homo sapiens TAP binding protein (tapasin) (TAPBP), transcript variant 1, mRNA [NM_003190]
HIATL1	9	1,40E-02	2,02	1,27	1,90	Homo sapiens hippocampus abundant transcript-like 1 (HIATL1), mRNA [NM_032558]
LINS	15	1,06E-03	2,01	1,21	1,87	Homo sapiens lines homolog (Drosophila) (LINS), transcript variant 6, mRNA [NM_001040616]
MCL1	1	1,25E-04	2,01	1,14	1,93	Homo sapiens myeloid cell leukemia sequence 1 (BCL2-related) (MCL1), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_021960]
DCP1A	3	1,62E-04	2,01	1,09	1,98	Homo sapiens DCP1 decapping enzyme homolog A (S. cerevisiae) (DCP1A), mRNA [NM_018403]
RNF24	20	2,62E-05	2,01	-1,04	1,95	Homo sapiens ring finger protein 24 (RNF24), transcript variant 1, mRNA [NM_007219]
EHBP1L1	11	4,13E-03	2,01	1,10	1,89	Homo sapiens EH

						domain binding protein 1-like 1 (EHBP1L1), mRNA [NM_001099409]
HMGCLL1	6	5,29E-03	2,01	1,10	1,62	Homo sapiens 3-hydroxymethyl-3-methylglutaryl-CoA lyase-like 1 (HMGCLL1), transcript variant 1, mRNA [NM_019036]
PLEKHG7	12	1,02E-02	2,01	-1,29	2,21	Homo sapiens pleckstrin homology domain containing, family G (with RhoGef domain) member 7 (PLEKHG7), mRNA [NM_001004330]
C5orf15	5	3,25E-04	2,01	1,10	2,09	Homo sapiens chromosome 5 open reading frame 15 (C5orf15), mRNA [NM_020199]
CAB39	2	1,96E-03	2,01	-1,02	1,88	Homo sapiens calcium binding protein 39 (CAB39), transcript variant 2, mRNA [NM_001130849]
HPR	16	2,16E-03	2,01	-1,08	2,01	Homo sapiens haptoglobin-related protein (HPR), mRNA [NM_020995]
TGM1	14	4,72E-02	2,01	1,45	2,04	Homo sapiens transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransferase) (TGM1), mRNA [NM_000359]
PGD	1	3,62E-04	2,00	1,10	1,81	Homo sapiens phosphogluconate dehydrogenase (PGD), mRNA [NM_002631]
FMNL1	17	1,29E-02	2,00	1,09	2,09	Homo sapiens formin-like 1 (FMNL1), mRNA [NM_005892]
	3	1,29E-03	2,00	-1,04	2,04	lincRNA:chr3:88150460-88175935 forward strand
	5	2,80E-02	2,00	1,13	1,59	lincRNA:chr5:38812198-38814135 reverse strand
LOC115110	1	1,70E-03	2,00	-1,11	2,01	Homo sapiens hypothetical LOC115110 (LOC115110), non-coding RNA [NR_026927]
PHC2	1	2,35E-04	2,00	1,18	1,99	Homo sapiens polyhomeotic homolog 2 (Drosophila) (PHC2), transcript variant 1,

						mRNA [NM_198040]
NT5C2	10	5,17E-04	2,00	-1,03	1,69	Homo sapiens 5'-nucleotidase, cytosolic II (NT5C2), transcript variant 1, mRNA [NM_012229]
MAP3K14	17	8,57E-05	2,00	1,09	2,02	Homo sapiens mitogen-activated protein kinase kinase kinase 14 (MAP3K14), mRNA [NM_003954]
UBR1	15	3,19E-05	2,00	1,11	2,02	Homo sapiens ubiquitin protein ligase E3 component n-recognin 1 (UBR1), mRNA [NM_174916]

Supplementary Table E5, IFN-¥ down-regulated genes

GeneSymbol	Chr	p-value	Fold change (IFN-¥ vs N.T.)	Fold change (IL-22 vs N.T.)	Fold change (IFN-¥/IL-22 vs N.T.)	Description
MEX3B	15	1,32E-05	-25,19	-1,08	-23,64	Homo sapiens mex-3 homolog B (C. elegans) (MEX3B), mRNA [NM_032246]
DMRT2	9	2,60E-04	-14,49	-1,19	-13,16	Homo sapiens doublesex and mab-3 related transcription factor 2 (DMRT2), transcript variant 1, mRNA [NM_006557]
ZNF850	19	5,47E-05	-14,47	1,07	-13,43	Homo sapiens zinc finger protein 850 (ZNF850), mRNA [NM_001193552]
KANK4	1	1,28E-04	-12,85	-1,18	-15,73	Homo sapiens KN motif and ankyrin repeat domains 4 (KANK4), mRNA [NM_181712]
ID3	1	4,22E-04	-12,58	-1,22	-9,74	Homo sapiens inhibitor of DNA binding 3, dominant negative helix-loop-helix protein (ID3), mRNA [NM_002167]
DACT2	6	5,03E-03	-12,27	-1,18	-12,25	Homo sapiens dapper, antagonist of beta-catenin, homolog 2 (Xenopus laevis) (DACT2), mRNA [NM_214462]
XKRX	X	1,08E-02	-11,44	-2,59	-16,00	Homo sapiens XK, Kell blood group complex subunit-related, X-linked (XKRX), mRNA [NM_212559]
S1PR1	1	1,09E-05	-11,37	1,08	-8,86	Homo sapiens sphingosine-1-phosphate receptor 1 (S1PR1), mRNA [NM_001400]
NPR3	5	2,46E-04	-10,95	1,13	-9,58	Homo sapiens natriuretic peptide receptor C/guanylate cyclase C (atrionatriuretic peptide receptor C) (NPR3), transcript variant 1, mRNA [NM_001204375]
NPR3	5	1,56E-04	-10,88	-1,02	-7,77	Homo sapiens natriuretic peptide receptor C/guanylate cyclase C (atrionatriuretic peptide receptor C) (NPR3), transcript variant 2, mRNA [NM_000908]

ZNF608	5	1,08E-04	-10,66	-1,05	-9,80	Homo sapiens zinc finger protein 608 (ZNF608), mRNA [NM_020747]
KCNAB2	1	4,24E-02	-10,60	-9,04	-8,21	Homo sapiens potassium voltage-gated channel, shaker-related subfamily, beta member 2 (KCNAB2), transcript variant 1, mRNA [NM_003636]
THBS2	6	4,64E-04	-9,81	-1,09	-10,03	Homo sapiens thrombospondin 2 (THBS2), mRNA [NM_003247]
IGFBP3	7	1,70E-03	-9,77	-1,30	-12,16	Homo sapiens insulin-like growth factor binding protein 3 (IGFBP3), transcript variant 1, mRNA [NM_001013398]
PRICKLE1	12	2,10E-04	-9,54	-1,54	-9,98	Homo sapiens prickle homolog 1 (Drosophila) (PRICKLE1), transcript variant 1, mRNA [NM_153026]
C17orf99	17	1,02E-02	-9,44	-1,14	-4,04	Homo sapiens chromosome 17 open reading frame 99 (C17orf99), mRNA [NM_001163075]
DTL	1	1,09E-02	-9,41	-1,04	-5,76	Homo sapiens denticleless homolog (Drosophila) (DTL), mRNA [NM_016448]
MUM1L1	X	1,44E-04	-9,37	-1,51	-9,02	Homo sapiens melanoma associated antigen (mutated) 1-like 1 (MUM1L1), transcript variant 2, mRNA [NM_152423]
ADH7	4	2,00E-02	-8,66	-1,53	-9,14	Homo sapiens alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide (ADH7), transcript variant 2, mRNA [NM_000673]
CLDN17	21	6,99E-03	-8,65	-6,68	-13,97	Homo sapiens claudin 17 (CLDN17), mRNA [NM_012131]
HS3ST6	16	6,36E-03	-8,44	-2,15	-12,04	Homo sapiens heparan sulfate (glucosamine) 3-O-sulfotransferase 6 (HS3ST6), mRNA [NM_001009606]

EGFL6	X	8,20E-04	-8,42	1,07	-10,32	Homo sapiens EGF-like-domain, multiple 6 (EGFL6), transcript variant 2, mRNA [NM_001167890]
BMPER	7	3,00E-03	-8,36	1,20	-6,45	Homo sapiens BMP binding endothelial regulator (BMPER), mRNA [NM_133468]
LPPR1	9	4,10E-03	-8,34	-1,02	-7,34	Homo sapiens lipid phosphate phosphatase-related protein type 1 (LPPR1), transcript variant 1, mRNA [NM_207299]
CLN8	8	8,67E-06	-8,28	-1,16	-8,29	Homo sapiens ceroid-lipofuscinosis, neuronal 8 (epilepsy, progressive with mental retardation) (CLN8), mRNA [NM_018941]
DLX2	2	5,40E-03	-8,27	-1,62	-9,16	Homo sapiens distal-less homeobox 2 (DLX2), mRNA [NM_004405]
SLITRK6	13	3,81E-05	-8,19	1,02	-7,28	Homo sapiens SLIT and NTRK-like family, member 6 (SLITRK6), mRNA [NM_032229]
CBX2	17	1,22E-04	-7,91	-1,06	-5,51	Homo sapiens chromobox homolog 2 (CBX2), transcript variant 1, mRNA [NM_005189]
SLC40A1	2	5,03E-04	-7,78	-1,09	-7,95	Homo sapiens solute carrier family 40 (iron-regulated transporter), member 1 (SLC40A1), mRNA [NM_014585]
RAB7B		4,52E-03	-7,63	-1,03	-7,79	Homo sapiens RAB7B, member RAS oncogene family (RAB7B), transcript variant 1, mRNA [NM_177403]
C3orf57	3	1,33E-04	-7,58	-3,09	-9,83	Homo sapiens chromosome 3 open reading frame 57 (C3orf57), mRNA [NM_001040100]
CSRNP3	2	4,65E-04	-7,54	-1,07	-4,47	Homo sapiens cysteine-serine-rich nuclear protein 3 (CSRNP3), transcript variant 1, mRNA [NM_001172173]
FLJ13744	6	1,42E-04	-7,53	-1,10	-7,59	Homo sapiens cDNA FLJ13744 fis, clone PLACE3000230. [AK023806]
FLRT3	20	1,84E-04	-7,50	-1,18	-6,24	Homo sapiens fibronectin leucine rich transmembrane protein 3 (FLRT3), transcript variant 2,

						mRNA [NM_198391]
ARL4C	2	6,85E-04	-7,49	-1,29	-6,37	Homo sapiens ADP-ribosylation factor-like 4C (ARL4C), mRNA [NM_005737]
ZNF850	19	5,00E-04	-7,46	-1,32	-8,81	Homo sapiens zinc finger protein 850 (ZNF850), mRNA [NM_001193552]
C10orf114	10	9,07E-06	-7,39	-1,17	-6,54	Homo sapiens chromosome 10 open reading frame 114 (C10orf114), mRNA [NM_001010911]
ZNF367	9	3,17E-04	-7,35	-1,03	-6,81	Homo sapiens zinc finger protein 367 (ZNF367), mRNA [NM_153695]
KANK4	1	1,58E-05	-7,32	-1,10	-7,94	Homo sapiens KN motif and ankyrin repeat domains 4 (KANK4), mRNA [NM_181712]
	11	5,74E-03	-7,00	-1,18	-4,39	DA375949 BRTHA2 Homo sapiens cDNA clone BRTHA2007423 5', mRNA sequence [DA375949]
EID2B	19	5,76E-03	-6,96	-1,17	-5,14	Homo sapiens EP300 interacting inhibitor of differentiation 2B (EID2B), mRNA [NM_152361]
NOG	17	1,37E-03	-6,91	-1,25	-4,26	Homo sapiens noggin (NOG), mRNA [NM_005450]
MEX3A	1	4,94E-05	-6,88	-1,03	-5,52	Homo sapiens mex-3 homolog A (C. elegans) (MEX3A), mRNA [NM_001093725]
		1,30E-02	-6,68	-1,26	-5,97	hg18:lincRNA:chr8:29728438-29805562 forward strand
ADH7	4	1,33E-02	-6,64	-1,31	-7,78	Homo sapiens alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide (ADH7), transcript variant 2, mRNA [NM_000673]
TMEM200B	1	1,03E-03	-6,60	-1,23	-6,58	Homo sapiens transmembrane protein 200B (TMEM200B), transcript variant 2, mRNA [NM_001003682]
FAM111B	11	3,29E-03	-6,58	-1,13	-5,87	Homo sapiens family with sequence

						similarity 111, member B (FAM111B), transcript variant 1, mRNA [NM_198947]
PALMD	1	6,10E-07	-6,56	-1,07	-5,63	Homo sapiens palmdelphin (PALMD), mRNA [NM_017734]
SRGAP3	3	2,08E-03	-6,51	1,07	-6,16	Homo sapiens SLIT-ROBO Rho GTPase activating protein 3 (SRGAP3), transcript variant 1, mRNA [NM_014850]
SOX2	3	4,50E-03	-6,26	-1,35	-6,78	Homo sapiens SRY (sex determining region Y)-box 2 (SOX2), mRNA [NM_003106]
RBM24	6	3,18E-03	-6,26	1,09	-3,86	Homo sapiens RNA binding motif protein 24 (RBM24), transcript variant 2, mRNA [NM_153020]
SMOC2	6	1,08E-03	-6,24	-1,05	-4,39	Homo sapiens SPARC related modular calcium binding 2 (SMOC2), transcript variant 1, mRNA [NM_022138]
PROC	2	3,85E-03	-6,21	-1,01	-5,94	Homo sapiens protein C (inactivator of coagulation factors Va and VIIIa) (PROC), mRNA [NM_000312]
LRMP	12	1,26E-02	-6,13	-1,03	-5,09	Homo sapiens lymphoid-restricted membrane protein (LRMP), transcript variant 1, mRNA [NM_006152]
FAM198B	4	6,69E-03	-6,07	-1,04	-5,87	Homo sapiens family with sequence similarity 198, member B (FAM198B), transcript variant 2, mRNA [NM_016613]
LOC644662	3	3,17E-02	-6,04	-1,32	-2,32	PREDICTED: Homo sapiens hypothetical protein LOC644662, transcript variant 2 (LOC644662), mRNA [XM_933903]
XLOC_014105	21	2,64E-02	-6,03	2,34	-5,20	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
EID2B	19	3,95E-04	-6,01	-1,24	-4,20	Homo sapiens EP300 interacting inhibitor of differentiation 2B (EID2B), mRNA [NM_152361]
PNMAL1	19	3,70E-03	-5,92	-1,00	-5,45	Homo sapiens

						PNMA-like 1 (PNMAL1), transcript variant 1, mRNA [NM_018215]
RPTN	1	7,68E-04	-5,90	-5,60	-25,06	Homo sapiens repetin (RPTN), mRNA [NM_001122965]
CDH6	5	1,26E-02	-5,89	-1,02	-4,62	Homo sapiens cadherin 6, type 2, K-cadherin (fetal kidney) (CDH6), mRNA [NM_004932]
PANK1	10	5,13E-03	-5,87	-1,10	-5,15	Homo sapiens pantothenate kinase 1 (PANK1), transcript variant alpha, mRNA [NM_148977]
SLC16A14	2	1,37E-02	-5,86	-1,24	-6,60	Homo sapiens solute carrier family 16, member 14 (monocarboxylic acid transporter 14) (SLC16A14), mRNA [NM_152527]
GLI1	12	1,82E-02	-5,84	-1,34	-4,49	Homo sapiens GLI family zinc finger 1 (GLI1), transcript variant 1, mRNA [NM_005269]
VIPR1	3	1,64E-03	-5,67	-1,19	-6,10	Homo sapiens vasoactive intestinal peptide receptor 1 (VIPR1), mRNA [NM_004624]
AKNAD1	1	2,05E-02	-5,65	-1,37	-4,23	Homo sapiens AKNA domain containing 1 (AKNAD1), mRNA [NM_152763]
FZD10	12	7,63E-05	-5,65	1,05	-4,96	Homo sapiens frizzled family receptor 10 (FZD10), mRNA [NM_007197]
LIPK	10	3,47E-02	-5,63	-3,34	-6,35	Homo sapiens lipase, family member K (LIPK), mRNA [NM_001080518]
SLC25A27	6	4,76E-03	-5,62	-1,28	-5,30	Homo sapiens solute carrier family 25, member 27 (SLC25A27), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_004277]
PTHLH	12	2,29E-06	-5,61	1,01	-4,48	Homo sapiens parathyroid hormone-like hormone (PTHLH), transcript variant 1, mRNA [NM_198965]
ADAMTS1	21	7,04E-05	-5,57	-1,04	-4,24	Homo sapiens ADAM metallopeptidase with thrombospondin type 1 motif, 1 (ADAMTS1), mRNA

						[NM_006988]
NOX4	11	1,71E-04	-5,55	-1,03	-9,05	Homo sapiens NADPH oxidase 4 (NOX4), transcript variant 1, mRNA [NM_016931]
HEY1	8	6,57E-03	-5,55	-1,07	-4,53	Homo sapiens hairy/enhancer-of-split related with YRPW motif 1 (HEY1), transcript variant 2, mRNA [NM_001040708]
C9orf150	9	8,63E-05	-5,54	-1,24	-5,14	Homo sapiens chromosome 9 open reading frame 150 (C9orf150), mRNA [NM_203403]
BCL2	18	1,35E-03	-5,51	-1,37	-5,21	Homo sapiens B-cell CLL/lymphoma 2 (BCL2), nuclear gene encoding mitochondrial protein, transcript variant alpha, mRNA [NM_000633]
LOC100505695	2	3,66E-02	-5,50	-1,34	-3,48	PREDICTED: Homo sapiens hypothetical protein LOC100505695 (LOC100505695), mRNA [XM_003118514]
LOC729088	6	4,22E-03	-5,48	-1,30	-4,69	PREDICTED: Homo sapiens hypothetical LOC729088 (LOC729088), miscRNA [XR_112950]
SDR9C7	12	1,09E-02	-5,47	-1,43	-4,88	Homo sapiens short chain dehydrogenase/reductase family 9C, member 7 (SDR9C7), mRNA [NM_148897]
RIBC2	22	7,39E-03	-5,43	-1,14	-5,31	Homo sapiens RIB43A domain with coiled-coils 2 (RIBC2), mRNA [NM_015653]
RCOR2	11	9,26E-04	-5,41	-1,15	-4,00	Homo sapiens REST corepressor 2 (RCOR2), mRNA [NM_173587]
SMO	7	5,13E-04	-5,41	-1,04	-5,28	Homo sapiens smoothened, frizzled family receptor (SMO), mRNA [NM_005631]
ADAMTS1	21	1,10E-04	-5,38	-1,01	-4,34	Homo sapiens ADAM metallopeptidase with thrombospondin type 1 motif, 1 (ADAMTS1), mRNA

						[NM_006988]
CCNE2	8	1,79E-03	-5,37	-1,01	-4,55	Homo sapiens cyclin E2 (CCNE2), mRNA [NM_057749]
CNTNAP2	7	1,16E-02	-5,37	-1,76	-3,75	Homo sapiens contactin associated protein-like 2 (CNTNAP2), mRNA [NM_014141]
PTCH1	9	4,74E-03	-5,33	-1,04	-3,00	Homo sapiens patched 1 (PTCH1), transcript variant 1a, mRNA [NM_001083602]
NANOS1	10	3,34E-04	-5,31	1,44	-4,15	Homo sapiens nanos homolog 1 (Drosophila) (NANOS1), mRNA [NM_199461]
	7	3,12E-02	-5,28	-2,33	-1,93	lincRNA:chr7:33664500-33886275 forward strand
CDT1	16	2,48E-03	-5,28	-1,02	-3,93	Homo sapiens chromatin licensing and DNA replication factor 1 (CDT1), mRNA [NM_030928]
CHP2	16	7,72E-05	-5,28	-1,48	-7,24	Homo sapiens calcineurin B homologous protein 2 (CHP2), mRNA [NM_022097]
NFYA	6	7,44E-06	-5,25	1,04	-4,55	Homo sapiens nuclear transcription factor Y, alpha (NFYA), transcript variant 1, mRNA [NM_002505]
ZNF367	9	2,92E-02	-5,24	-1,06	-5,19	Homo sapiens zinc finger protein 367 (ZNF367), mRNA [NM_153695]
SALL2	14	5,90E-04	-5,21	-1,20	-4,63	Homo sapiens sal-like 2 (Drosophila) (SALL2), mRNA [NM_005407]
RUNX2	6	1,16E-03	-5,21	-1,32	-4,51	Homo sapiens runt-related transcription factor 2 (RUNX2), transcript variant 3, mRNA [NM_004348]
THBD	20	5,97E-05	-5,20	1,12	-3,93	Homo sapiens thrombomodulin (THBD), mRNA [NM_000361]
BHLHE41	12	1,27E-02	-5,18	-1,05	-2,82	Homo sapiens basic helix-loop-helix family, member e41 (BHLHE41), mRNA [NM_030762]
WNT10A	2	3,19E-03	-5,18	-1,28	-5,83	Homo sapiens wingless-type MMTV integration site family, member 10A (WNT10A), mRNA [NM_025216]
	3	1,71E-02	-5,18	-1,51	-6,04	lincRNA:chr3:378869

						71-37901969 reverse strand
LOC100128477	6	7,94E-03	-5,16	-1,05	-2,82	Homo sapiens cDNA FLJ16829 fis, clone UTERU3020583. [AK131572]
RAB3A	19	6,35E-03	-5,15	-1,01	-5,06	Homo sapiens RAB3A, member RAS oncogene family (RAB3A), mRNA [NM_002866]
RPL27A	11	1,76E-07	-5,15	1,05	-4,44	Homo sapiens ribosomal protein L27a (RPL27A), mRNA [NM_000990]
DDIT4L	4	8,74E-03	-5,15	-1,63	-3,70	Homo sapiens DNA-damage-inducible transcript 4-like (DDIT4L), mRNA [NM_145244]
CTTNBP2	7	7,95E-04	-5,14	1,11	-2,89	Homo sapiens cortactin binding protein 2 (CTTNBP2), mRNA [NM_033427]
DLX5	7	1,79E-03	-5,14	-1,70	-8,09	Homo sapiens distal-less homeobox 5 (DLX5), mRNA [NM_005221]
C10orf140	10	2,71E-06	-5,13	-1,44	-5,12	Homo sapiens chromosome 10 open reading frame 140 (C10orf140), mRNA [NM_207371]
E2F1	20	1,04E-02	-5,10	-1,09	-3,65	Homo sapiens E2F transcription factor 1 (E2F1), mRNA [NM_005225]
OVOL2	20	1,33E-04	-5,10	-1,05	-4,50	Homo sapiens ovo-like 2 (Drosophila) (OVOL2), mRNA [NM_021220]
SBK1	16	1,06E-02	-5,09	1,02	-4,48	Homo sapiens SH3-binding domain kinase 1 (SBK1), mRNA [NM_001024401]
LOC401431	7	7,98E-03	-5,09	-1,63	-3,92	Homo sapiens hypothetical LOC401431 (LOC401431), non-coding RNA [NR_027040]
	1	5,14E-05	-5,08	-1,09	-4,52	chromosome 1 open reading frame 98 [Source:HGNC Symbol;Acc:21901] [ENST00000367356]
MYCL1	1	1,74E-04	-5,07	1,19	-4,01	Homo sapiens v-myc myelocytomatosis viral oncogene homolog 1, lung carcinoma derived (avian) (MYCL1), transcript variant 1,

						mRNA [NM_001033081]
ZNF323	6	3,40E-04	-5,05	1,09	-5,32	Homo sapiens zinc finger protein 323 (ZNF323), transcript variant 1, mRNA [NM_030899]
LOC728196	11	2,36E-03	-5,04	-1,31	-6,53	Homo sapiens cDNA clone IMAGE:4820483. [BC021736]
CEP68	2	2,58E-03	-5,03	-1,06	-2,42	centrosomal protein 68kDa [Source:HGNC Symbol;Acc:29076] [ENST00000537589]
GP1BB	22	7,30E-05	-5,02	-1,08	-5,49	Homo sapiens glycoprotein Ib (platelet), beta polypeptide (GP1BB), mRNA [NM_000407]
	11	1,36E-02	-5,01	-2,37	-2,58	lincRNA:chr11:120050990-120061540 forward strand
GPER	7	3,95E-05	-4,98	1,04	-4,10	Homo sapiens G protein-coupled estrogen receptor 1 (GPER), transcript variant 3, mRNA [NM_001039966]
DNALI1	1	3,68E-02	-4,98	-1,37	-2,14	Homo sapiens dynein, axonemal, light intermediate chain 1 (DNALI1), mRNA [NM_003462]
MYB	6	7,95E-05	-4,96	1,14	-4,38	Homo sapiens v-myb myeloblastosis viral oncogene homolog (avian) (MYB), transcript variant 2, mRNA [NM_005375]
FAT4	4	4,57E-02	-4,94	-1,59	-6,33	Homo sapiens FAT tumor suppressor homolog 4 (Drosophila) (FAT4), mRNA [NM_024582]
	8	3,08E-05	-4,90	-1,07	-4,34	lincRNA:chr8:107284490-107284921 forward strand
ODZ2	5	2,28E-05	-4,90	-1,08	-3,67	Homo sapiens odz, odd Oz/ten-m homolog 2 (Drosophila) (ODZ2), mRNA [NM_001122679]
XLOC_011183	15	4,62E-05	-4,89	-1,10	-3,44	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
SLC25A29	14	6,25E-05	-4,89	1,05	-4,37	Homo sapiens solute carrier family 25, member 29 (SLC25A29), nuclear gene encoding mitochondrial protein, mRNA [NM_001039355]

KHK	2	1,46E-03	-4,83	1,00	-3,69	Homo sapiens ketohexokinase (fructokinase) (KHK), transcript variant a, mRNA [NM_000221]
NEIL3	4	3,44E-02	-4,83	-1,11	-3,66	Homo sapiens nei endonuclease VIII-like 3 (E. coli) (NEIL3), mRNA [NM_018248]
	1	1,26E-02	-4,83	-1,31	-4,44	forkhead box O6 [Source:HGNC Symbol;Acc:24814] [ENST00000372591]
C1orf118	1	3,55E-03	-4,82	-1,07	-4,62	PREDICTED: Homo sapiens chromosome 1 open reading frame 118 (C1orf118), miscRNA [XR_113334]
	5	2,10E-03	-4,81	1,02	-1,14	lincRNA:chr5:44822311-44822973 forward strand
HIST1H1B	6	4,41E-03	-4,80	-1,09	-3,77	Homo sapiens histone cluster 1, H1b (HIST1H1B), mRNA [NM_005322]
LFNG	7	3,10E-03	-4,79	-1,21	-5,34	Homo sapiens LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase (LFNG), transcript variant 1, mRNA [NM_001040167]
MYBL1	8	2,58E-04	-4,79	-1,94	-4,96	Homo sapiens v-myb myeloblastosis viral oncogene homolog (avian)-like 1 (MYBL1), transcript variant 2, mRNA [NM_001144755]
SAMD13	1	5,71E-04	-4,78	-1,14	-2,70	Homo sapiens sterile alpha motif domain containing 13 (SAMD13), transcript variant 1, mRNA [NM_001010971]
C4orf21	4	2,83E-03	-4,77	-1,07	-2,53	chromosome 4 open reading frame 21 [Source:HGNC Symbol;Acc:25654] [ENST00000264370]
FGFR2	10	1,41E-03	-4,75	-1,05	-5,40	Homo sapiens fibroblast growth factor receptor 2 (FGFR2), transcript variant 2, mRNA [NM_022970]
NCRNA00242	6	2,24E-02	-4,74	1,34	-4,97	Homo sapiens non-protein coding RNA 242 (NCRNA00242), non-coding RNA [NR_026781]
ODZ2	5	4,02E-05	-4,72	1,00	-3,64	Homo sapiens odz, odd Oz/ten-m homolog 2 (Drosophila) (ODZ2), mRNA

						[NM_001122679]
MCM10	10	9,04E-04	-4,72	-1,03	-3,96	Homo sapiens minichromosome maintenance complex component 10 (MCM10), transcript variant 1, mRNA [NM_182751]
	13	2,11E-03	-4,71	-1,17	-2,54	lincRNA:chr13:42615850-42621075 forward strand
AMTN	4	2,84E-05	-4,69	1,05	-3,82	Homo sapiens amelotin (AMTN), mRNA [NM_212557]
LRP2	2	1,41E-02	-4,69	-2,42	-2,62	Homo sapiens low density lipoprotein receptor-related protein 2 (LRP2), mRNA [NM_004525]
CNKSR3	6	1,37E-02	-4,68	-1,21	-4,75	Homo sapiens CNKSR family member 3 (CNKSR3), mRNA [NM_173515]
DEXI	16	1,43E-04	-4,67	1,01	-3,37	Homo sapiens Dexi homolog (mouse) (DEXI), mRNA [NM_014015]
KIAA1549	7	8,19E-04	-4,64	-1,28	-3,36	Homo sapiens KIAA1549 (KIAA1549), transcript variant 2, mRNA [NM_001164665]
ZNF90	19	6,71E-04	-4,64	1,06	-2,67	Homo sapiens zinc finger protein 90 (ZNF90), mRNA [NM_007138]
	8	1,66E-05	-4,63	-1,11	-4,22	lincRNA:chr8:107283938-107285127 forward strand
ZNF681	19	3,91E-03	-4,61	1,10	-2,80	Homo sapiens zinc finger protein 681 (ZNF681), mRNA [NM_138286]
NEXN	1	9,61E-04	-4,60	-1,15	-4,23	Homo sapiens nexilin (F actin binding protein) (NEXN), transcript variant 1, mRNA [NM_144573]
LOC646903	3	2,96E-03	-4,58	1,00	-4,19	Homo sapiens hypothetical LOC646903 (LOC646903), non-coding RNA [NR_036538]
EXO1	1	8,12E-03	-4,57	1,01	-3,45	Homo sapiens exonuclease 1 (EXO1), transcript variant 3, mRNA [NM_003686]
THEM5	1	2,42E-02	-4,54	-1,21	-5,55	Homo sapiens thioesterase superfamily member 5 (THEM5), mRNA [NM_182578]
TP53AIP1	11	4,29E-04	-4,54	-1,01	-5,71	tumor protein p53 regulated apoptosis inducing protein 1

						[Source:HGNC Symbol;Acc:29984] [ENST00000263583]
	1	1,32E-04	-4,54	-1,22	-3,22	lincRNA:chr1:200331904-200332270 reverse strand
CALML5	10	8,58E-04	-4,53	-2,06	-6,77	Homo sapiens calmodulin-like 5 (CALML5), mRNA [NM_017422]
	Un_gl000218	2,28E-03	-4,52	-2,04	-3,92	Homo sapiens hCG2042718, mRNA (cDNA clone MGC:157828 IMAGE:40127380), complete cds. [BC127725]
ROR1	1	3,16E-03	-4,51	-1,10	-3,27	receptor tyrosine kinase-like orphan receptor 1 [Source:HGNC Symbol;Acc:10256] [ENST00000371079]
	4	6,58E-03	-4,50	-1,16	-3,12	lincRNA:chr4:257555-258171 reverse strand
DSCC1	8	1,02E-02	-4,49	1,04	-3,18	Homo sapiens defective in sister chromatid cohesion 1 homolog (S. cerevisiae) (DSCC1), mRNA [NM_024094]
KIAA1257	3	4,90E-03	-4,49	-2,31	-3,81	Homo sapiens KIAA1257 (KIAA1257), mRNA [NM_020741]
GPR19	12	1,22E-03	-4,49	-1,07	-4,17	Homo sapiens G protein-coupled receptor 19 (GPR19), mRNA [NM_006143]
KIAA1377	11	2,54E-04	-4,46	-1,55	-4,34	Homo sapiens KIAA1377 (KIAA1377), mRNA [NM_020802]
MAP3K12	12	1,38E-03	-4,44	-1,08	-3,85	Homo sapiens mitogen-activated protein kinase kinase kinase 12 (MAP3K12), transcript variant 2, mRNA [NM_006301]
NCRNA00313	21	3,18E-03	-4,41	-1,32	-4,21	Homo sapiens non-protein coding RNA 313 (NCRNA00313), non-coding RNA [NR_026863]
FZD2	17	1,05E-03	-4,39	-1,01	-3,86	Homo sapiens frizzled family receptor 2 (FZD2), mRNA [NM_001466]
C11orf45	11	4,00E-04	-4,39	1,19	-3,15	Homo sapiens chromosome 11 open reading frame 45 (C11orf45), mRNA [NM_145013]
PEG3	19	4,00E-02	-4,33	-3,00	-2,13	Homo sapiens paternally expressed 3 (PEG3), transcript

						variant 1, mRNA [NM_006210]
FGFR2	10	8,87E-04	-4,32	-1,03	-4,14	Homo sapiens fibroblast growth factor receptor 2 (FGFR2), transcript variant 2, mRNA [NM_022970]
ANKRD35	1	3,51E-03	-4,32	-2,10	-5,33	Homo sapiens ankyrin repeat domain 35 (ANKRD35), mRNA [NM_144698]
	12	7,15E-04	-4,32	-1,34	-3,94	huntingtin interacting protein 1 related [Source:HGNC Symbol;Acc:18415] [ENST00000535831]
	15	1,49E-02	-4,31	-1,25	-4,61	lincRNA:chr15:25230006-25233452 forward strand
CCNE2	8	3,57E-05	-4,31	1,09	-11,54	Homo sapiens cyclin E2 (CCNE2), mRNA [NM_057749]
PDZD7	10	8,70E-03	-4,30	-1,14	-2,16	Homo sapiens PDZ domain containing 7 (PDZD7), transcript variant 2, mRNA [NM_024895]
NCRNA00245	10	1,56E-04	-4,29	-1,19	-3,64	Homo sapiens non-protein coding RNA 245 (NCRNA00245), transcript variant 1, non-coding RNA [NR_024421]
	5	2,07E-05	-4,28	1,07	-3,88	full-length cDNA clone CS0DC006YB07 of Neuroblastoma Cot 25-normalized of Homo sapiens (human). [CR596214]
MXRA8	1	1,35E-02	-4,27	-1,30	-2,34	Homo sapiens matrix-remodelling associated 8 (MXRA8), mRNA [NM_032348]
CLSPN	1	9,51E-03	-4,27	-1,26	-3,27	Homo sapiens claspin (CLSPN), transcript variant 1, mRNA [NM_022111]
FAM134B	5	1,42E-03	-4,27	-1,09	-4,30	Homo sapiens family with sequence similarity 134, member B (FAM134B), transcript variant 1, mRNA [NM_001034850]
	8	9,77E-06	-4,27	-1,04	-4,03	oxidation resistance 1 [Source:HGNC Symbol;Acc:15822] [ENST00000521369]
SMAD5-AS1	5	9,20E-04	-4,27	1,01	-3,83	Homo sapiens SMAD5 antisense RNA 1 (non-protein coding) (SMAD5-

						AS1), non-coding RNA [NR_026763]
CYYR1	21	5,85E-04	-4,25	-1,03	-3,18	Homo sapiens cysteine/tyrosine-rich 1 (CYYR1), mRNA [NM_052954]
TWIST1	7	5,70E-03	-4,25	-1,55	-5,45	Homo sapiens twist homolog 1 (Drosophila) (TWIST1), mRNA [NM_000474]
CDCA7	2	5,45E-03	-4,25	1,05	-3,18	Homo sapiens cell division cycle associated 7 (CDCA7), transcript variant 1, mRNA [NM_031942]
CNKSR3	6	1,12E-03	-4,25	-1,18	-4,40	Homo sapiens CNKSR family member 3 (CNKSR3), mRNA [NM_173515]
SEMA5A	5	1,30E-02	-4,23	-1,16	-3,89	Homo sapiens sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A (SEMA5A), mRNA [NM_003966]
NR0B1	X	4,66E-03	-4,22	-1,43	-3,63	Homo sapiens nuclear receptor subfamily 0, group B, member 1 (NR0B1), mRNA [NM_000475]
	6	1,17E-02	-4,20	-1,65	-2,27	lincRNA:chr6:80256857-80257505 forward strand
XLOC_011183	15	7,10E-03	-4,18	-1,32	-3,43	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
SPATA17	1	1,97E-02	-4,18	-1,22	-2,60	Homo sapiens spermatogenesis associated 17 (SPATA17), mRNA [NM_138796]
41157	22	3,49E-04	-4,16	-1,08	-3,35	Homo sapiens septin 5 (SEPT5), transcript variant 2, mRNA [NM_001009939]
	3	1,56E-02	-4,16	-1,50	-4,11	Homo sapiens hypothetical protein LOC151878, mRNA (cDNA clone IMAGE:3844647), partial cds. [BC014063]
TNFRSF10D	8	7,62E-04	-4,16	1,05	-3,55	Homo sapiens tumor necrosis factor receptor superfamily, member 10d, decoy with truncated death domain

						(TNFRSF10D), mRNA [NM_003840]
	14	1,81E-04	-4,16	-1,49	-4,36	DA455367 CTONG2 Homo sapiens cDNA clone CTONG2028771 5', mRNA sequence [DA455367]
LOC100506845	9	5,35E-04	-4,16	-1,02	-3,38	PREDICTED: Homo sapiens hypothetical LOC100506845 (LOC100506845), partial miscRNA [XR_110608]
MFAP3L	4	1,35E-02	-4,14	1,06	-3,19	Homo sapiens microfibrillar-associated protein 3-like (MFAP3L), transcript variant 1, mRNA [NM_021647]
LOC375196	2	5,47E-03	-4,13	-1,07	-3,87	Homo sapiens hypothetical LOC375196 (LOC375196), non-coding RNA [NR_028386]
YIPF7	4	4,52E-02	-4,12	-3,70	-4,24	Homo sapiens Yip1 domain family, member 7 (YIPF7), mRNA [NM_182592]
	4	1,61E-02	-4,11	-1,12	-4,22	lincRNA:chr4:90602655-90605092 forward strand
ELOVL4	6	1,16E-03	-4,11	-1,22	-4,10	Homo sapiens ELOVL fatty acid elongase 4 (ELOVL4), mRNA [NM_022726]
BMF	15	1,27E-02	-4,11	-1,02	-3,30	Homo sapiens Bcl2 modifying factor (BMF), transcript variant 1, mRNA [NM_001003940]
MCM6	2	1,90E-02	-4,10	1,03	-3,05	Homo sapiens minichromosome maintenance complex component 6 (MCM6), mRNA [NM_005915]
GPR125	4	1,28E-04	-4,08	-1,22	-3,23	Homo sapiens G protein-coupled receptor 125 (GPR125), mRNA [NM_145290]
DENND5B	12	2,91E-03	-4,07	-1,01	-4,15	Homo sapiens DENN/MADD domain containing 5B (DENND5B), mRNA [NM_144973]
LHX6	9	3,00E-02	-4,07	1,19	-2,03	Homo sapiens LIM homeobox 6 (LHX6), transcript variant 1, mRNA [NM_014368]

	14	2,96E-04	-4,07	-1,03	-3,68	Full-length cDNA clone CS0DF017YB20 of Fetal brain of Homo sapiens (human) [Source:UniProtKB/TrEMBL;Acc:Q86U27] [ENST00000380722]
FIGN	2	6,19E-04	-4,06	-1,12	-2,73	fidgetin [Source:HGNC Symbol;Acc:13285] [ENST00000333129]
GHR	5	8,41E-03	-4,06	1,07	-3,66	Homo sapiens growth hormone receptor (GHR), transcript variant 12, mRNA [NM_001242462]
CEBPA	19	6,28E-03	-4,06	-1,47	-4,78	Homo sapiens CCAAT/enhancer binding protein (C/EBP), alpha (CEBPA), mRNA [NM_004364]
	10	1,87E-02	-4,05	-1,30	-3,06	Homo sapiens mRNA; cDNA DKFZp781N1049 (from clone DKFZp781N1049). [CR627384]
TGFBR3	1	3,03E-03	-4,05	1,21	-3,34	Homo sapiens transforming growth factor, beta receptor III (TGFBR3), transcript variant 1, mRNA [NM_003243]
RAD54L	1	7,48E-03	-4,05	-1,01	-2,73	Homo sapiens RAD54-like (S. cerevisiae) (RAD54L), transcript variant 1, mRNA [NM_003579]
HIST1H1A	6	6,77E-03	-4,04	1,10	-3,29	Homo sapiens histone cluster 1, H1a (HIST1H1A), mRNA [NM_005325]
BMP4	14	1,99E-03	-4,04	-1,13	-3,14	Homo sapiens bone morphogenetic protein 4 (BMP4), transcript variant 1, mRNA [NM_001202]
ARRB1	11	5,46E-04	-4,04	1,05	-3,69	Homo sapiens arrestin, beta 1 (ARRB1), transcript variant 1, mRNA [NM_004041]
AJAP1	1	3,52E-03	-4,04	-1,25	-4,22	Homo sapiens adherens junctions associated protein 1 (AJAP1), transcript variant 1, mRNA [NM_018836]
LRAT	4	3,51E-03	-4,03	-2,13	-6,86	Homo sapiens lecithin retinol acyltransferase (phosphatidylcholine--retinol O-acyltransferase) (LRAT), mRNA

						[NM_004744]
S1PR5	19	3,17E-04	-4,03	1,02	-3,58	Homo sapiens sphingosine-1-phosphate receptor 5 (S1PR5), transcript variant 1, mRNA [NM_030760]
FILIP1L	3	2,21E-04	-4,03	1,03	-3,98	Homo sapiens filamin A interacting protein 1-like (FILIP1L), transcript variant 1, mRNA [NM_182909]
CENPF	1	1,33E-02	-4,03	-1,34	-2,47	Homo sapiens centromere protein F, 350/400kDa (mitosin) (CENPF), mRNA [NM_016343]
ZNF90	19	1,14E-02	-4,03	-1,10	-3,95	Homo sapiens zinc finger protein 90 (ZNF90), mRNA [NM_007138]
PRODH	22	3,85E-03	-4,01	-1,03	-3,88	Homo sapiens proline dehydrogenase (oxidase) 1 (PRODH), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_016335]
DENND5B	12	9,76E-03	-4,01	-1,05	-3,42	Homo sapiens DENN/MADD domain containing 5B (DENND5B), mRNA [NM_144973]
	5	2,56E-02	-4,00	-1,87	-1,52	lincRNA:chr5:127385751-127406047 reverse strand
CXorf28	X	4,50E-04	-4,00	-1,03	-3,54	Homo sapiens chromosome X open reading frame 28 (CXorf28), non-coding RNA [NR_038428]
	16	2,79E-03	-3,99	-1,04	-3,91	cDNA FLJ38012 fis, clone CTONG2012554 [Source:UniProtKB/TrEMBL;Acc:Q8N1P8] [ENST00000536986]
ROR1	1	3,85E-04	-3,99	-1,18	-3,44	Homo sapiens receptor tyrosine kinase-like orphan receptor 1 (ROR1), transcript variant 1, mRNA [NM_005012]
APOBEC2	6	7,28E-05	-3,99	-1,29	-2,33	Homo sapiens apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 2 (APOBEC2), mRNA [NM_006789]
XLOC_011183	15	5,68E-04	-3,98	-1,18	-2,70	BROAD lincRNAs version v2 (http://www.broadinst

						itute.org/genome_bio/human_lincrnas/)
SLC47A2	17	6,27E-03	-3,98	1,47	-4,68	Homo sapiens solute carrier family 47, member 2 (SLC47A2), transcript variant 1, mRNA [NM_152908]
C7orf41	7	2,13E-06	-3,98	1,05	-3,29	Homo sapiens chromosome 7 open reading frame 41 (C7orf41), mRNA [NM_152793]
WEE1	11	3,58E-04	-3,96	-1,12	-3,86	Homo sapiens WEE1 homolog (S. pombe) (WEE1), transcript variant 1, mRNA [NM_003390]
CC2D2A	4	1,50E-03	-3,96	-1,02	-3,19	Homo sapiens coiled-coil and C2 domain containing 2A (CC2D2A), transcript variant 1, mRNA [NM_001080522]
C13orf15	13	2,14E-02	-3,94	1,02	-5,83	Homo sapiens chromosome 13 open reading frame 15 (C13orf15), mRNA [NM_014059]
GPNMB	7	1,00E-02	-3,94	-1,86	-7,08	Homo sapiens glycoprotein (transmembrane) nmb, mRNA (cDNA clone IMAGE:3345861), complete cds. [BC011595]
FAM201A	9	3,55E-03	-3,93	-1,03	-2,83	Homo sapiens family with sequence similarity 201, member A (FAM201A), non-coding RNA [NR_027294]
KCNS1	20	1,35E-06	-3,93	1,07	-2,50	Homo sapiens potassium voltage-gated channel, delayed-rectifier, subfamily S, member 1 (KCNS1), mRNA [NM_002251]
MYBL1	8	5,68E-03	-3,92	-1,04	-3,00	Homo sapiens v-myb myeloblastosis viral oncogene homolog (avian)-like 1 (MYBL1), transcript variant 1, mRNA [NM_001080416]
EXPH5	11	1,96E-04	-3,92	-1,23	-3,68	Homo sapiens exophilin 5 (EXPH5), mRNA [NM_015065]
AKR1C1	10	5,12E-05	-3,92	-1,09	-4,01	Homo sapiens aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid

						dehydrogenase) (AKR1C1), mRNA [NM_001353]
CHST9	18	3,57E-03	-3,92	-1,57	-3,09	Homo sapiens carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 9 (CHST9), mRNA [NM_031422]
KIT	4	2,71E-02	-3,91	-1,24	-3,60	Homo sapiens v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT), transcript variant 1, mRNA [NM_000222]
CEP68	2	6,94E-04	-3,91	-1,00	-3,56	Homo sapiens centrosomal protein 68kDa (CEP68), mRNA [NM_015147]
DST	6	4,33E-03	-3,90	1,14	-3,27	Homo sapiens dystonin (DST), transcript variant 1e, mRNA [NM_001723]
	4	3,13E-03	-3,89	-1,21	-3,63	lincRNA:chr4:90602655-90605092 forward strand
LOC728978	10	2,92E-04	-3,89	-1,40	-4,19	Homo sapiens hypothetical LOC728978 (LOC728978), non-coding RNA [NR_038453]
DST	6	9,88E-04	-3,86	1,03	-3,11	Homo sapiens dystonin (DST), transcript variant 1e, mRNA [NM_001723]
MT1X	16	2,84E-05	-3,85	-1,05	-3,30	Homo sapiens metallothionein 1X (MT1X), mRNA [NM_005952]
NEXN	1	2,37E-03	-3,85	-1,03	-3,23	Homo sapiens nexilin (F actin binding protein) (NEXN), transcript variant 1, mRNA [NM_144573]
FLRT2	14	6,98E-04	-3,84	-1,09	-3,56	Homo sapiens fibronectin leucine rich transmembrane protein 2 (FLRT2), mRNA [NM_013231]
DEPDC7	11	1,14E-03	-3,84	1,00	-2,79	Homo sapiens DEP domain containing 7 (DEPDC7), transcript variant 2, mRNA [NM_139160]
HJURP	2	2,83E-02	-3,84	-1,05	-2,28	Homo sapiens Holliday junction recognition protein (HJURP), mRNA [NM_018410]
ISL1	5	9,73E-04	-3,84	1,02	-3,58	Homo sapiens ISL LIM homeobox 1 (ISL1), mRNA [NM_002202]
ARHGAP29	1	4,18E-03	-3,83	-1,79	-2,50	Rho GTPase activating protein 29 [Source:HGNC Symbol;Acc:30207]

						[ENST00000370217]
LOC283553	14	4,88E-04	-3,83	-1,15	-4,12	Homo sapiens hypothetical LOC283553 (LOC283553), non-coding RNA [NR_038358]
LCA5	6	1,42E-03	-3,82	-1,22	-3,50	Homo sapiens Leber congenital amaurosis 5 (LCA5), transcript variant 1, mRNA [NM_181714]
PRODH	22	1,09E-03	-3,82	1,02	-3,88	Homo sapiens proline dehydrogenase (oxidase) 1 (PRODH), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_016335]
DIXDC1	11	1,53E-03	-3,82	1,02	-3,65	Homo sapiens DIX domain containing 1 (DIXDC1), transcript variant 1, mRNA [NM_001037954]
TRIM6	11	8,81E-05	-3,81	-1,05	-3,84	Homo sapiens tripartite motif containing 6 (TRIM6), transcript variant 1, mRNA [NM_001003818]
	1	2,17E-02	-3,80	-1,60	-1,77	lincRNA:chr1:86062087-86107987 forward strand
TRIM45	1	2,02E-04	-3,78	-1,06	-3,38	Homo sapiens tripartite motif containing 45 (TRIM45), transcript variant 1, mRNA [NM_025188]
LOC730755	17	2,60E-04	-3,78	-1,25	-3,47	Homo sapiens keratin associated protein 2-4-like (LOC730755), mRNA [NM_001165252]
	4	9,27E-03	-3,77	-1,25	-3,94	lincRNA:chr4:90602655-90613743 forward strand
HIST2H3A	1	1,19E-03	-3,76	-1,26	-2,77	Homo sapiens histone cluster 2, H3a (HIST2H3A), mRNA [NM_001005464]
ZNF287	17	3,42E-02	-3,75	-1,20	-4,04	Homo sapiens zinc finger protein 287 (ZNF287), mRNA [NM_020653]
PRIM1	12	1,86E-03	-3,75	-1,03	-3,07	Homo sapiens primase, DNA, polypeptide 1 (49kDa) (PRIM1), mRNA [NM_000946]
C16orf45	16	1,46E-04	-3,73	1,03	-3,88	Homo sapiens chromosome 16 open reading frame

						45 (C16orf45), transcript variant 1, mRNA [NM_033201]
	14	2,12E-02	-3,73	-2,53	-2,84	lincRNA:chr14:66896649-66896875 reverse strand
H2BFM	X	6,49E-03	-3,73	-1,09	-3,20	Homo sapiens H2B histone family, member M (H2BFM), mRNA [NM_001164416]
PIK3C2B	1	7,69E-04	-3,72	-1,05	-3,60	Homo sapiens phosphoinositide-3-kinase, class 2, beta polypeptide (PIK3C2B), mRNA [NM_002646]
NR2F1	5	9,65E-03	-3,71	1,25	-2,90	Homo sapiens nuclear receptor subfamily 2, group F, member 1 (NR2F1), mRNA [NM_005654]
TBC1D8	2	2,41E-03	-3,71	-1,09	-3,19	Homo sapiens TBC1 domain family, member 8 (with GRAM domain) (TBC1D8), mRNA [NM_001102426]
FLJ45831	17	1,81E-04	-3,70	-1,07	-3,00	PREDICTED: Homo sapiens hypothetical FLJ45831 (FLJ45831), miscRNA [XR_109367]
SLED1	4	1,43E-03	-3,70	-1,36	-4,42	Homo sapiens proteoglycan 3 pseudogene (SLED1), non-coding RNA [NR_003542]
STON1	2	4,32E-04	-3,69	1,04	-3,64	Homo sapiens stonin 1 (STON1), transcript variant 2, mRNA [NM_006873]
SOX4	6	5,67E-04	-3,68	1,10	-2,82	Homo sapiens SRY (sex determining region Y)-box 4 (SOX4), mRNA [NM_003107]
HIST1H4E	6	2,36E-04	-3,68	-1,21	-2,98	Homo sapiens histone cluster 1, H4e (HIST1H4E), mRNA [NM_003545]
CLCN4	X	1,60E-04	-3,68	-1,19	-3,24	Homo sapiens chloride channel 4 (CLCN4), mRNA [NM_001830]
C6orf225	6	8,51E-03	-3,67	1,00	-3,21	Homo sapiens chromosome 6 open reading frame 225 (C6orf225), mRNA [NM_001033564]
CUX2	12	4,37E-03	-3,67	-1,07	-2,84	Homo sapiens cut-like homeobox 2 (CUX2), mRNA [NM_015267]
LMNB1	5	6,86E-03	-3,67	-1,07	-2,73	Homo sapiens lamin B1 (LMNB1), transcript variant 1, mRNA [NM_005573]

XLOC_014105	21	1,88E-05	-3,67	-1,13	-3,33	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
FAM27E3	9	4,09E-03	-3,66	-1,13	-2,93	PREDICTED: Homo sapiens family with sequence similarity 27, member E3 (FAM27E3), mRNA [XM_001720463]
FAM161A	2	2,92E-03	-3,66	-1,11	-3,53	Homo sapiens family with sequence similarity 161, member A (FAM161A), transcript variant 2, mRNA [NM_032180]
C21orf34	21	2,14E-03	-3,66	1,19	-2,08	Homo sapiens chromosome 21 open reading frame 34 (C21orf34), transcript variant 1, non-coding RNA [NR_027790]
LOC100506036	2	2,42E-03	-3,65	-1,01	-2,28	PREDICTED: Homo sapiens hypothetical LOC100506036 (LOC100506036), partial miscRNA [XR_109916]
ZNF677	19	2,45E-02	-3,65	-1,03	-1,45	zinc finger protein 677 [Source:HGNC Symbol;Acc:28730] [ENST00000333952]
FAM83D	20	2,11E-02	-3,65	-1,14	-2,58	Homo sapiens family with sequence similarity 83, member D (FAM83D), mRNA [NM_030919]
	4	7,75E-03	-3,65	-1,18	-3,37	Homo sapiens cDNA FLJ39473 fis, clone PROST2012890. [AK096792]
IRS1	2	1,66E-03	-3,65	1,09	-2,78	Homo sapiens insulin receptor substrate 1 (IRS1), mRNA [NM_005544]
WNT4	1	4,77E-03	-3,63	-1,36	-5,87	Homo sapiens wingless-type MMTV integration site family, member 4 (WNT4), mRNA [NM_030761]
	9	1,33E-03	-3,63	-1,02	-2,46	lincRNA:chr9:14316575-14324575 reverse strand
PAMR1	11	1,52E-03	-3,63	-1,20	-3,96	Homo sapiens peptidase domain containing associated with muscle regeneration 1 (PAMR1), transcript variant 1, mRNA [NM_015430]
	12	7,39E-04	-3,62	-1,32	-4,03	lincRNA:chr12:46117392-46117994 reverse strand
PDE5A	4	6,61E-04	-3,62	1,02	-3,14	Homo sapiens

						phosphodiesterase 5A, cGMP-specific (PDE5A), transcript variant 1, mRNA [NM_001083]
GPER	7	2,10E-05	-3,61	-1,09	-2,77	Homo sapiens G protein-coupled estrogen receptor 1 (GPER), transcript variant 3, mRNA [NM_001039966]
SH2D3C	9	3,51E-05	-3,61	1,15	-3,37	Homo sapiens SH2 domain containing 3C (SH2D3C), transcript variant 1, mRNA [NM_170600]
XLOC_008823	10	1,08E-03	-3,60	-1,27	-2,92	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
DDIT4L	4	9,88E-04	-3,59	-1,08	-2,59	Homo sapiens DNA-damage-inducible transcript 4-like, mRNA (cDNA clone MGC:9960 IMAGE:3877854), complete cds. [BC013592]
HIST1H3B	6	2,73E-03	-3,59	-1,16	-2,86	Homo sapiens histone cluster 1, H3b (HIST1H3B), mRNA [NM_003537]
	15	1,06E-03	-3,59	-1,13	-3,60	lincRNA:chr15:25240607-25246007 forward strand
GPR125	4	8,40E-06	-3,57	1,01	-3,08	Homo sapiens G protein-coupled receptor 125 (GPR125), mRNA [NM_145290]
FAT2	5	4,59E-03	-3,57	1,02	-3,06	Homo sapiens FAT tumor suppressor homolog 2 (Drosophila) (FAT2), mRNA [NM_001447]
NDRG4	16	4,80E-04	-3,57	1,07	-3,31	Homo sapiens NDRG family member 4 (NDRG4), transcript variant 3, mRNA [NM_022910]
		1,85E-02	-3,57	-2,91	-3,01	lincRNA:chr15:96788096-96828896 reverse strand
DIP2C	10	4,60E-02	-3,56	-1,11	-2,35	Homo sapiens DIP2 disco-interacting protein 2 homolog C (Drosophila) (DIP2C), mRNA [NM_014974]
	4	6,55E-03	-3,55	-1,14	-2,61	lincRNA:chr4:53579005-53580304 reverse strand
GPR1	2	3,24E-02	-3,55	-2,03	-2,62	Homo sapiens G protein-coupled receptor 1 (GPR1), transcript variant 1, mRNA [NM_005279]

LOC145694	15	4,20E-03	-3,55	-1,12	-3,33	PREDICTED: Homo sapiens hypothetical LOC145694 (LOC145694), partial miscRNA [XR_109210]
OLFML2A	9	3,80E-03	-3,54	-1,14	-3,78	Homo sapiens olfactomedin-like 2A (OLFML2A), mRNA [NM_182487]
FZD1	7	3,87E-03	-3,54	-1,04	-2,89	Homo sapiens frizzled family receptor 1 (FZD1), mRNA [NM_003505]
NR2F2	15	4,43E-03	-3,54	-1,16	-3,19	Homo sapiens nuclear receptor subfamily 2, group F, member 2 (NR2F2), transcript variant 1, mRNA [NM_021005]
LOC286367	9	1,00E-03	-3,54	1,02	-2,86	Homo sapiens FP944 (LOC286367), non-coding RNA [NR_024011]
LOC100132057	1	4,77E-02	-3,54	1,30	-2,98	PREDICTED: Homo sapiens hypothetical LOC100505885 (LOC100505885), partial miscRNA [XR_110830]
FAM181B	11	3,60E-05	-3,53	-1,01	-3,32	Homo sapiens family with sequence similarity 181, member B (FAM181B), mRNA [NM_175885]
FAM161A	2	6,30E-04	-3,53	-1,02	-3,54	Homo sapiens family with sequence similarity 161, member A (FAM161A), transcript variant 2, mRNA [NM_032180]
HIST1H2AL	6	2,01E-02	-3,52	1,05	-2,72	Homo sapiens histone cluster 1, H2al (HIST1H2AL), mRNA [NM_003511]
LOC80054	19	2,79E-04	-3,51	-1,18	-5,11	Homo sapiens hypothetical LOC80054 (LOC80054), non-coding RNA [NR_026887]
XLOC_014107	21	6,27E-04	-3,50	1,08	-4,22	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
AKR1C4	10	2,13E-05	-3,49	-1,10	-3,80	Homo sapiens aldo-keto reductase family 1, member C4 (chlordecone reductase; 3-alpha hydroxysteroid dehydrogenase, type I; dihydrodiol dehydrogenase 4) (AKR1C4), mRNA

						[NM_001818]
CDKN2C	1	1,38E-03	-3,48	-1,06	-3,76	Homo sapiens cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4) (CDKN2C), transcript variant 2, mRNA [NM_078626]
ZNF503	10	4,38E-03	-3,48	-1,04	-3,07	Homo sapiens zinc finger protein 503 (ZNF503), mRNA [NM_032772]
HNRNPA0	5	1,76E-04	-3,48	-1,02	-2,82	Homo sapiens heterogeneous nuclear ribonucleoprotein A0 (HNRNPA0), mRNA [NM_006805]
AFP	4	1,21E-02	-3,48	1,00	-3,11	Homo sapiens alpha-fetoprotein (AFP), mRNA [NM_001134]
CCDC150	2	1,62E-02	-3,48	1,00	-1,50	Homo sapiens coiled-coil domain containing 150 (CCDC150), mRNA [NM_001080539]
DKK1	10	3,88E-03	-3,48	-1,28	-3,06	Homo sapiens dickkopf homolog 1 (Xenopus laevis) (DKK1), mRNA [NM_012242]
C8orf75	8	1,51E-02	-3,48	-1,30	-3,99	Homo sapiens chromosome 8 open reading frame 75 (C8orf75), non-coding RNA [NR_026765]
SGOL1	3	6,89E-03	-3,47	-1,13	-2,33	Homo sapiens shugoshin-like 1 (S. pombe) (SGOL1), transcript variant A1, mRNA [NM_001012409]
C16orf59	16	2,72E-03	-3,47	1,11	-2,88	Homo sapiens chromosome 16 open reading frame 59 (C16orf59), mRNA [NM_025108]
IL20RA	6	3,67E-03	-3,46	-1,25	-3,34	Homo sapiens interleukin 20 receptor, alpha (IL20RA), mRNA [NM_014432]
EPHA4	2	9,45E-04	-3,45	-1,16	-4,26	Homo sapiens EPH receptor A4 (EPHA4), mRNA [NM_004438]
KLHL13	X	1,24E-02	-3,45	-1,12	-2,45	Homo sapiens kelch-like 13 (Drosophila) (KLHL13), transcript

						variant 1, mRNA [NM_033495]
AKR1C1	10	4,61E-04	-3,45	-1,07	-3,57	Homo sapiens aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase) (AKR1C1), mRNA [NM_001353]
CXorf57	X	5,20E-03	-3,45	1,01	-3,50	Homo sapiens chromosome X open reading frame 57 (CXorf57), transcript variant 1, mRNA [NM_018015]
FOXL2	3	3,53E-04	-3,45	-1,08	-3,17	Homo sapiens forkhead box L2 (FOXL2), mRNA [NM_023067]
HIST1H2AI	6	4,91E-03	-3,44	-1,13	-2,35	Homo sapiens histone cluster 1, H2ai (HIST1H2AI), mRNA [NM_003509]
RGAG4	X	3,59E-03	-3,44	-1,18	-3,25	Homo sapiens retrotransposon gag domain containing 4 (RGAG4), mRNA [NM_001024455]
FAM69A	1	1,73E-04	-3,43	-1,18	-3,19	Homo sapiens family with sequence similarity 69, member A (FAM69A), mRNA [NM_001006605]
CDCA5	11	1,28E-02	-3,43	1,02	-2,47	Homo sapiens cell division cycle associated 5 (CDCA5), mRNA [NM_080668]
SKA3	13	1,18E-02	-3,43	-1,16	-2,49	Homo sapiens spindle and kinetochore associated complex subunit 3 (SKA3), transcript variant 1, mRNA [NM_145061]
C7orf41	7	4,81E-05	-3,43	1,02	-2,95	Homo sapiens chromosome 7 open reading frame 41 (C7orf41), mRNA [NM_152793]
AGPAT5	8	1,42E-04	-3,43	1,05	-2,75	Homo sapiens 1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidic acid acyltransferase, epsilon) (AGPAT5), mRNA [NM_018361]
ELOVL6	4	1,55E-03	-3,42	1,26	-2,79	ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast) [Source:HGNC

						Symbol;Acc:15829] [ENST00000394607]
FZD7	2	3,03E-04	-3,42	-1,24	-3,95	Homo sapiens frizzled family receptor 7 (FZD7), mRNA [NM_003507]
ENDOU	12	1,99E-02	-3,41	-2,22	-4,18	Homo sapiens endonuclease, polyU-specific (ENDOU), transcript variant 2, mRNA [NM_006025]
FLJ42969	8	1,82E-02	-3,41	-1,90	-3,15	Homo sapiens hypothetical LOC441374 (FLJ42969), non-coding RNA [NR_033962]
STON2	14	1,21E-04	-3,41	-1,32	-3,07	Homo sapiens stonin 2 (STON2), mRNA [NM_033104]
	4	5,05E-04	-3,41	-1,55	-4,14	lincRNA:chr4:79567370-79603853 forward strand
RIMBP3	22	4,27E-02	-3,41	-1,35	-3,54	Homo sapiens RIMS binding protein 3 (RIMBP3), mRNA [NM_015672]
INSR	19	4,01E-02	-3,40	-1,16	-2,84	Homo sapiens insulin receptor (INSR), transcript variant 1, mRNA [NM_000208]
	9	2,07E-02	-3,40	-1,37	-3,54	Novel protein [Source:UniProtKB/TrEMBL;Acc:Q4V308] [ENST00000417488]
SLC1A1	9	2,46E-04	-3,39	1,09	-3,30	Homo sapiens solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1 (SLC1A1), mRNA [NM_004170]
ADORA2B	17	1,32E-03	-3,39	-1,00	-2,74	Homo sapiens adenosine A2b receptor (ADORA2B), mRNA [NM_000676]
	17	2,44E-02	-3,39	1,13	-6,44	lincRNA:chr17:67547498-67549996 forward strand
GHR	5	1,41E-02	-3,39	1,13	-2,52	Homo sapiens growth hormone receptor (GHR), transcript variant 1, mRNA [NM_000163]
ST8SIA1	12	6,60E-03	-3,38	-1,51	-2,90	Homo sapiens ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 1 (ST8SIA1), mRNA [NM_003034]
KRTAP4-8	17	2,78E-02	-3,38	-2,26	-3,12	Homo sapiens keratin associated

						protein 4-8 (KRTAP4-8), mRNA [NM_031960]
APCDD1	18	3,11E-02	-3,38	-1,67	-7,18	Homo sapiens adenomatosis polyposis coli down-regulated 1 (APCDD1), mRNA [NM_153000]
ORC1	1	1,69E-03	-3,38	1,07	-3,10	Homo sapiens origin recognition complex, subunit 1 (ORC1), transcript variant 1, mRNA [NM_004153]
	15	9,86E-04	-3,38	-1,22	-3,03	lincRNA:chr15:25243173-25246729 forward strand
WHSC1	4	4,85E-04	-3,38	-1,02	-2,85	Homo sapiens Wolf-Hirschhorn syndrome candidate 1 (WHSC1), transcript variant 7, mRNA [NM_133334]
PSG3	19	6,89E-04	-3,37	1,08	-4,55	Homo sapiens pregnancy specific beta-1-glycoprotein 3 (PSG3), mRNA [NM_021016]
LEF1	4	1,40E-02	-3,37	-1,02	-2,99	Homo sapiens lymphoid enhancer-binding factor 1 (LEF1), transcript variant 1, mRNA [NM_016269]
FLJ41484	13	7,30E-03	-3,37	1,74	-1,90	PREDICTED: Homo sapiens hypothetical LOC650669 (FLJ41484), miscRNA [XR_110591]
WNT5A	3	2,23E-02	-3,36	-1,25	-3,58	Homo sapiens wingless-type MMTV integration site family, member 5A (WNT5A), mRNA [NM_003392]
	12	1,38E-04	-3,35	1,10	-2,71	HUMPTHL parathyroid-like protein precursor {Homo sapiens} (exp=-1; wgp=0; cg=0), partial (11%) [THC2730443]
RTN4RL1	17	8,66E-05	-3,35	-1,07	-2,63	Homo sapiens reticulon 4 receptor-like 1 (RTN4RL1), mRNA [NM_178568]
BMP7	20	1,08E-02	-3,35	-1,57	-3,51	Homo sapiens bone morphogenetic protein 7 (BMP7), mRNA [NM_001719]
HS3ST2	16	3,42E-04	-3,33	-1,06	-2,87	Homo sapiens heparan sulfate (glucosamine) 3-O-sulfotransferase 2 (HS3ST2), mRNA [NM_006043]
C10orf129	10	3,93E-03	-3,33	-1,29	-1,15	Homo sapiens chromosome 10

						open reading frame 129 (C10orf129), mRNA [NM_207321]
FLJ37453	1	4,12E-06	-3,33	-1,02	-2,95	Homo sapiens hypothetical LOC729614 (FLJ37453), non-coding RNA [NR_024279]
CDC25A	3	5,92E-04	-3,32	-1,00	-2,74	Homo sapiens cell division cycle 25 homolog A (S. pombe) (CDC25A), transcript variant 1, mRNA [NM_001789]
ASPM	1	2,16E-02	-3,32	-1,10	-2,35	Homo sapiens asp (abnormal spindle) homolog, microcephaly associated (Drosophila) (ASPM), transcript variant 1, mRNA [NM_018136]
FAM43B	1	1,80E-02	-3,32	1,15	-2,38	Homo sapiens family with sequence similarity 43, member B (FAM43B), mRNA [NM_207334]
D4S234E	4	6,07E-05	-3,32	-1,03	-3,16	Homo sapiens DNA segment on chromosome 4 (unique) 234 expressed sequence (D4S234E), transcript variant 1, mRNA [NM_014392]
MAGEH1	X	2,59E-04	-3,32	1,02	-2,81	Homo sapiens melanoma antigen family H, 1 (MAGEH1), mRNA [NM_014061]
HES5	1	2,52E-03	-3,31	-2,16	-4,17	Homo sapiens hairy and enhancer of split 5 (Drosophila) (HES5), mRNA [NM_001010926]
HIST1H3H	6	5,13E-03	-3,31	-1,22	-2,49	Homo sapiens histone cluster 1, H3h (HIST1H3H), mRNA [NM_003536]
CYP39A1	6	7,01E-03	-3,30	-1,22	-3,94	Homo sapiens cytochrome P450, family 39, subfamily A, polypeptide 1 (CYP39A1), mRNA [NM_016593]
	4	2,69E-02	-3,30	-1,11	-3,02	lincRNA:chr4:6676128-6678414 forward strand
SEMA5B	3	9,70E-04	-3,30	-1,15	-3,16	Homo sapiens sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5B

						(SEMA5B), transcript variant 1, mRNA [NM_001031702]
RASSF6	4	3,85E-06	-3,29	-1,06	-2,95	Homo sapiens Ras association (RalGDS/AF-6) domain family member 6 (RASSF6), transcript variant 2, mRNA [NM_201431]
	12	7,74E-04	-3,29	1,18	-3,35	Homo sapiens FP15331 mRNA, complete cds. [AF461897]
SMYD1	2	2,29E-02	-3,29	-3,08	-3,74	Homo sapiens SET and MYND domain containing 1 (SMYD1), mRNA [NM_198274]
	1	2,18E-03	-3,29	-1,02	-3,00	lincRNA:chr1:150587016-150587428 reverse strand
	9	3,00E-02	-3,29	-1,08	-2,02	Putative protein FAM27E1 [Source:UniProtKB/Swiss-Prot;Acc:Q5T7N7] [ENST00000377525]
OTUD3	1	1,96E-05	-3,28	1,01	-2,26	Homo sapiens OTU domain containing 3 (OTUD3), mRNA [NM_015207]
HOXA3	7	6,33E-03	-3,28	1,05	-2,57	Homo sapiens homeobox A3 (HOXA3), transcript variant 2, mRNA [NM_153631]
MTSS1L	16	8,59E-03	-3,27	-1,04	-3,02	Homo sapiens metastasis suppressor 1-like (MTSS1L), mRNA [NM_138383]
FOXA2	20	1,54E-03	-3,27	-1,16	-3,27	Homo sapiens forkhead box A2 (FOXA2), transcript variant 1, mRNA [NM_021784]
ZNF608	5	1,09E-03	-3,27	-1,12	-3,01	Homo sapiens zinc finger protein 608 (ZNF608), mRNA [NM_020747]
TTK	6	4,08E-02	-3,27	1,02	-2,26	Homo sapiens TTK protein kinase (TTK), transcript variant 1, mRNA [NM_003318]
	8	3,58E-03	-3,26	-1,21	-3,56	lincRNA:chr8:101487917-101513376 forward strand
GNRHR	4	4,89E-02	-3,26	-1,47	-3,73	Homo sapiens gonadotropin-releasing hormone receptor (GNRHR), transcript variant 1, mRNA [NM_000406]
UNC5B	10	1,84E-03	-3,26	-1,20	-3,03	Homo sapiens unc-5 homolog B (C. elegans) (UNC5B),

						mRNA [NM_170744]
VAV3	1	1,00E-02	-3,25	1,12	-3,31	Homo sapiens vav 3 guanine nucleotide exchange factor (VAV3), transcript variant 1, mRNA [NM_006113]
XLOC_014105	21	2,89E-04	-3,25	-1,16	-2,68	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
RHOBTB1	10	1,11E-04	-3,25	1,09	-2,73	Homo sapiens Rho-related BTB domain containing 1 (RHOBTB1), transcript variant 4, mRNA [NM_001242359]
CC2D2A	4	6,10E-04	-3,25	1,05	-2,78	Homo sapiens coiled-coil and C2 domain containing 2A (CC2D2A), transcript variant 1, mRNA [NM_001080522]
ERCC6L	X	2,75E-03	-3,25	-1,03	-2,39	Homo sapiens excision repair cross-complementing rodent repair deficiency, complementation group 6-like (ERCC6L), mRNA [NM_017669]
ODF3L1	15	1,34E-02	-3,25	1,21	-1,75	Homo sapiens outer dense fiber of sperm tails 3-like 1 (ODF3L1), mRNA [NM_175881]
ELF5	11	5,20E-03	-3,24	-2,58	-5,06	Homo sapiens E74-like factor 5 (ets domain transcription factor) (ELF5), transcript variant 1, mRNA [NM_198381]
PHACTR3	20	1,57E-04	-3,24	-1,17	-3,03	phosphatase and actin regulator 3 [Source:HGNC Symbol;Acc:15833] [ENST00000492611]
NDC80	18	3,53E-02	-3,24	-1,05	-2,40	Homo sapiens NDC80 homolog, kinetochore complex component (S. cerevisiae) (NDC80), mRNA [NM_006101]
RHOBTB2	8	1,79E-03	-3,24	-1,03	-2,92	Homo sapiens Rho-related BTB domain containing 2 (RHOBTB2), transcript variant 3, mRNA [NM_015178]
LOC100216001	10	2,21E-06	-3,24	-1,08	-2,37	Homo sapiens hypothetical LOC100216001 (LOC100216001), non-coding RNA [NR_024475]

AVPI1	10	9,65E-04	-3,24	-1,07	-3,13	Homo sapiens arginine vasopressin-induced 1 (AVPI1), mRNA [NM_021732]
NLRP10	11	1,06E-03	-3,24	-1,71	-3,26	Homo sapiens NLR family, pyrin domain containing 10 (NLRP10), mRNA [NM_176821]
HIST1H4A	6	1,06E-02	-3,24	-1,55	-2,25	Homo sapiens histone cluster 1, H4a (HIST1H4A), mRNA [NM_003538]
TFAP4	16	1,31E-02	-3,23	-1,33	-4,38	Homo sapiens transcription factor AP-4 (activating enhancer binding protein 4) (TFAP4), mRNA [NM_003223]
KLRG2	7	8,61E-03	-3,23	1,33	-5,23	Homo sapiens killer cell lectin-like receptor subfamily G, member 2 (KLRG2), mRNA [NM_198508]
LOC283481	13	7,58E-03	-3,23	-1,03	-2,66	Homo sapiens hypothetical LOC283481 (LOC283481), non-coding RNA [NR_036487]
IRS1	2	8,56E-04	-3,23	-1,02	-2,52	Homo sapiens insulin receptor substrate 1 (IRS1), mRNA [NM_005544]
ZNF30	19	6,28E-03	-3,22	1,09	-2,44	Homo sapiens zinc finger protein 30 (ZNF30), transcript variant 3, mRNA [NM_194325]
AJAP1	1	2,39E-03	-3,22	-1,14	-2,45	Homo sapiens adherens junctions associated protein 1 (AJAP1), transcript variant 2, mRNA [NM_001042478]
PAGE2B	X	1,56E-02	-3,22	-1,27	-1,10	Homo sapiens P antigen family, member 2B (PAGE2B), mRNA [NM_001015038]
	1	1,57E-03	-3,22	-1,19	-2,48	full-length cDNA clone CS0DB007YO17 of Neuroblastoma Cot 10-normalized of Homo sapiens (human). [CR621509]
MID1	X	2,02E-04	-3,22	-1,04	-3,16	Homo sapiens midline 1 (Opitz/BBB syndrome) (MID1), transcript variant 1, mRNA [NM_000381]
BRCA1	17	4,47E-03	-3,21	1,01	-2,62	Homo sapiens breast cancer 1, early onset (BRCA1), transcript variant 2, mRNA [NM_007300]

SLC6A15	12	2,47E-02	-3,21	-1,39	-2,29	Homo sapiens solute carrier family 6 (neutral amino acid transporter), member 15 (SLC6A15), transcript variant 1, mRNA [NM_182767]
	6	1,05E-02	-3,21	-1,34	-3,71	lincRNA:chr6:154718233-154725342 reverse strand
CENPF	1	2,45E-02	-3,21	-1,13	-2,16	Homo sapiens centromere protein F, 350/400kDa (mitosin) (CENPF), mRNA [NM_016343]
	15	6,19E-04	-3,20	1,01	-3,12	lincRNA:chr15:25244172-25246747 forward strand
	9	1,98E-02	-3,20	1,19	-2,33	Homo sapiens, clone IMAGE:4890344, mRNA. [BC023640]
KBTBD3	11	4,71E-04	-3,20	-1,03	-2,87	Homo sapiens kelch repeat and BTB (POZ) domain containing 3 (KBTBD3), transcript variant 2, mRNA [NM_198439]
SHC3	9	7,24E-04	-3,20	1,12	-2,82	Homo sapiens SHC (Src homology 2 domain containing) transforming protein 3 (SHC3), mRNA [NM_016848]
HELLS	10	1,43E-02	-3,19	-1,03	-2,68	Homo sapiens helicase, lymphoid-specific (HELLS), mRNA [NM_018063]
RAB26	16	3,71E-03	-3,18	-1,05	-3,27	Homo sapiens RAB26, member RAS oncogene family (RAB26), mRNA [NM_014353]
FLG	1	3,20E-02	-3,18	-1,68	-3,50	Homo sapiens filaggrin (FLG), mRNA [NM_002016]
FRAT1	10	6,94E-06	-3,18	-1,10	-3,18	Homo sapiens frequently rearranged in advanced T-cell lymphomas (FRAT1), mRNA [NM_005479]
ANKH	5	3,27E-04	-3,17	-1,00	-2,84	Homo sapiens ankylosis, progressive homolog (mouse) (ANKH), mRNA [NM_054027]
	6	7,23E-03	-3,17	-1,25	-2,61	histone cluster 1, H2ai [Source:HGNC Symbol;Acc:4725] [ENST00000358739]
PROC	2	1,30E-03	-3,17	1,10	-3,36	Homo sapiens protein C (inactivator of coagulation factors Va and VIIIa) (PROC), mRNA [NM_000312]
CERK	22	8,97E-06	-3,17	1,05	-2,92	Homo sapiens ceramide kinase

						(CERK), mRNA [NM_022766]
XLOC_005810	6	2,86E-05	-3,16	1,11	-2,97	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
	3	2,21E-02	-3,16	-2,22	-2,83	lincRNA:chr3:170458139-170459154 forward strand
RRM2	2	4,74E-02	-3,16	1,19	-2,47	Homo sapiens ribonucleotide reductase M2 (RRM2), transcript variant 2, mRNA [NM_001034]
CABYR	18	3,01E-03	-3,16	1,07	-1,34	Homo sapiens calcium binding tyrosine-(Y)-phosphorylation regulated (CABYR), transcript variant 1, mRNA [NM_012189]
PEG10	7	3,25E-04	-3,16	-1,14	-2,84	Homo sapiens paternally expressed 10 (PEG10), transcript variant 1, mRNA [NM_001040152]
DLEU1	13	2,80E-03	-3,16	-1,01	-2,79	Homo sapiens deleted in lymphocytic leukemia 1 (non-protein coding) (DLEU1), non-coding RNA [NR_002605]
FAM171B	2	1,52E-03	-3,16	-1,02	-3,59	Homo sapiens family with sequence similarity 171, member B (FAM171B), mRNA [NM_177454]
LOXL4	10	2,37E-02	-3,15	-1,17	-2,16	Homo sapiens lysyl oxidase-like 4 (LOXL4), mRNA [NM_032211]
	19	5,53E-04	-3,15	1,02	-3,27	lincRNA:chr19:56813358-56821819 forward strand
	14	1,80E-02	-3,15	-1,07	-2,66	lincRNA:chr14:96507172-96661947 forward strand
TGFB2	1	3,25E-02	-3,15	-1,13	-2,81	Homo sapiens transforming growth factor, beta 2 (TGFB2), transcript variant 2, mRNA [NM_003238]
C20orf96	20	4,48E-02	-3,14	1,02	-1,89	Homo sapiens chromosome 20 open reading frame 96 (C20orf96), transcript variant 1, mRNA [NM_153269]
THNSL1	10	1,71E-03	-3,14	1,03	-2,62	Homo sapiens threonine synthase-like 1 (S. cerevisiae) (THNSL1), mRNA [NM_024838]

ESCO2	8	1,85E-02	-3,13	1,16	-2,42	Homo sapiens establishment of cohesion 1 homolog 2 (S. cerevisiae) (ESCO2), mRNA [NM_001017420]
CDC25C	5	4,48E-03	-3,13	1,00	-2,36	Homo sapiens cell division cycle 25 homolog C (S. pombe) (CDC25C), transcript variant 1, mRNA [NM_001790]
BARX2	11	1,13E-03	-3,12	-1,05	-2,41	Homo sapiens BARX homeobox 2 (BARX2), mRNA [NM_003658]
C3orf47	3	7,80E-04	-3,12	1,05	-2,90	Homo sapiens chromosome 3 open reading frame 47 (C3orf47), non-coding RNA [NR_026991]
APOC3	11	1,59E-02	-3,12	-2,36	-1,97	Homo sapiens apolipoprotein C-III (APOC3), mRNA [NM_000040]
B4GALT6	18	4,68E-03	-3,12	-1,25	-1,73	Homo sapiens UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 6 (B4GALT6), mRNA [NM_004775]
LOC642366	5	1,87E-04	-3,11	-1,05	-3,03	PREDICTED: Homo sapiens hypothetical LOC642366 (LOC642366), miscRNA [XR_108597]
BCL11B	14	1,61E-02	-3,11	1,23	-1,72	Homo sapiens B-cell CLL/lymphoma 11B (zinc finger protein) (BCL11B), transcript variant 1, mRNA [NM_138576]
ISPD	7	1,26E-02	-3,11	-1,84	-2,71	Homo sapiens isoprenoid synthase domain containing (ISPD), transcript variant 1, mRNA [NM_001101426]
	21	1,09E-03	-3,10	-1,04	-2,50	lincRNA:chr21:29817053-30047175 reverse strand
DLK2	6	2,62E-03	-3,10	-1,07	-2,56	Homo sapiens delta-like 2 homolog (Drosophila) (DLK2), transcript variant 2, mRNA [NM_206539]
ZNF354C	5	3,69E-03	-3,10	-1,02	-3,37	Homo sapiens zinc finger protein 354C (ZNF354C), mRNA [NM_014594]
HIST1H2BF	6	1,81E-03	-3,09	-1,17	-2,96	Homo sapiens histone cluster 1, H2bf (HIST1H2BF), mRNA [NM_003522]
WFDC5	20	5,21E-04	-3,09	-1,07	-3,27	Homo sapiens WAP four-disulfide core

						domain 5 (WFDC5), mRNA [NM_145652]
	14	5,04E-03	-3,09	-1,01	-2,85	lincRNA:chr14:96548697-96561747 forward strand
FAM13A	4	1,32E-03	-3,09	-1,11	-2,72	Homo sapiens family with sequence similarity 13, member A (FAM13A), transcript variant 1, mRNA [NM_014883]
POLE2	14	3,37E-02	-3,08	1,01	-2,49	Homo sapiens polymerase (DNA directed), epsilon 2 (p59 subunit) (POLE2), transcript variant 1, mRNA [NM_002692]
C1orf135	1	6,24E-03	-3,08	1,03	-2,54	Homo sapiens chromosome 1 open reading frame 135 (C1orf135), mRNA [NM_024037]
KRT15	17	1,25E-04	-3,08	-1,03	-3,49	Homo sapiens keratin 15 (KRT15), mRNA [NM_002275]
ANO8	19	5,66E-03	-3,08	-1,54	-3,10	Homo sapiens anoctamin 8 (ANO8), mRNA [NM_020959]
XLOC_011183	15	7,00E-04	-3,08	1,02	-3,63	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
TLR5	1	2,53E-02	-3,07	1,20	-2,95	Homo sapiens toll-like receptor 5 (TLR5), mRNA [NM_003268]
SATB1	3	7,55E-04	-3,07	1,04	-3,01	Homo sapiens SATB homeobox 1 (SATB1), transcript variant 1, mRNA [NM_002971]
HSPA2	14	1,89E-04	-3,07	1,03	-2,96	Homo sapiens heat shock 70kDa protein 2 (HSPA2), mRNA [NM_021979]
CDK14	7	6,91E-05	-3,07	1,01	-3,03	Homo sapiens cyclin-dependent kinase 14 (CDK14), mRNA [NM_012395]
	5	4,56E-02	-3,07	-1,32	-1,59	lincRNA:chr5:127292876-127379626 reverse strand
RASSF10	11	7,18E-03	-3,06	-1,03	-2,53	Homo sapiens Ras association (RalGDS/AF-6) domain family (N-terminal) member 10 (RASSF10), mRNA [NM_001080521]
BEND3	6	2,58E-04	-3,06	-1,01	-2,40	Homo sapiens BEN domain containing 3 (BEND3), mRNA [NM_001080450]
HIST1H1D	6	1,74E-03	-3,06	-1,08	-2,98	Homo sapiens histone cluster 1, H1d (HIST1H1D), mRNA [NM_005320]

FAM171B	2	2,45E-03	-3,05	-1,08	-3,52	Homo sapiens family with sequence similarity 171, member B (FAM171B), mRNA [NM_177454]
ATAD5	17	1,36E-02	-3,05	-1,14	-2,92	Homo sapiens ATPase family, AAA domain containing 5 (ATAD5), mRNA [NM_024857]
AMIGO2	12	2,38E-04	-3,04	-1,15	-2,74	Homo sapiens adhesion molecule with Ig-like domain 2 (AMIGO2), transcript variant 2, mRNA [NM_181847]
UBN2	7	2,60E-03	-3,04	-1,22	-2,49	Homo sapiens ubinuclein 2 (UBN2), mRNA [NM_173569]
LOC283624	14	1,16E-02	-3,03	-1,00	-2,37	Homo sapiens hypothetical LOC283624 (LOC283624), transcript variant 1, non-coding RNA [NR_038970]
MNS1	15	3,05E-02	-3,02	1,01	-3,03	Homo sapiens meiosis-specific nuclear structural 1 (MNS1), mRNA [NM_018365]
SOBP	6	8,44E-04	-3,02	1,01	-2,68	Homo sapiens sine oculis binding protein homolog (Drosophila) (SOBP), mRNA [NM_018013]
	5	6,50E-03	-3,02	-1,19	-3,01	lincRNA:chr5:53843293-53849793 forward strand
CCNF	16	1,96E-02	-3,02	-1,13	-1,91	Homo sapiens cyclin F (CCNF), mRNA [NM_001761]
BCL11A	2	1,91E-04	-3,02	-1,00	-2,63	Homo sapiens B-cell CLL/lymphoma 11A (zinc finger protein) (BCL11A), transcript variant 1, mRNA [NM_022893]
C11orf82	11	1,52E-02	-3,01	-1,02	-2,43	Homo sapiens chromosome 11 open reading frame 82 (C11orf82), mRNA [NM_145018]
DHFRL1	3	4,80E-04	-3,01	-1,17	-2,29	Homo sapiens dihydrofolate reductase-like 1 (DHFRL1), transcript variant 2, mRNA [NM_176815]
LOC93622	4	3,52E-05	-3,00	1,10	-2,67	Homo sapiens hypothetical LOC93622 (LOC93622), non-coding RNA [NR_015433]
IL20	1	2,16E-03	-3,00	1,40	-1,53	Homo sapiens interleukin 20 (IL20), mRNA [NM_018724]

EGR3	8	2,53E-02	-3,00	-2,46	-4,93	Homo sapiens early growth response 3 (EGR3), transcript variant 1, mRNA [NM_004430]
KIFC1	6	1,19E-02	-3,00	-1,07	-2,27	Homo sapiens kinesin family member C1 (KIFC1), mRNA [NM_002263]
ISM1	20	1,86E-03	-3,00	-1,06	-2,00	Homo sapiens isthmin 1 homolog (zebrafish) (ISM1), mRNA [NM_080826]
	6	1,51E-02	-2,99	-1,27	-3,31	lincRNA:chr6:154718233-154725333 forward strand
FAM69A	1	1,36E-04	-2,99	-1,05	-2,87	Homo sapiens family with sequence similarity 69, member A (FAM69A), mRNA [NM_001006605]
	1	1,32E-04	-2,99	1,00	-2,76	lincRNA:chr1:150582126-150591026 reverse strand
	15	2,32E-04	-2,98	1,15	-2,69	lincRNA:chr15:25245358-25247493 forward strand
	19	7,05E-03	-2,97	-1,06	-2,35	lincRNA:chr19:11762275-11767738 forward strand
WDR33	2	7,54E-03	-2,97	-1,17	-4,54	Homo sapiens WD repeat domain 33 (WDR33), transcript variant 3, mRNA [NM_001006623]
PHACTR3	20	1,08E-03	-2,97	-1,23	-2,83	Homo sapiens phosphatase and actin regulator 3 (PHACTR3), transcript variant 1, mRNA [NM_080672]
	21	3,74E-04	-2,97	-1,01	-2,59	lincRNA:chr21:44751672-44819297 reverse strand
	2	2,35E-03	-2,96	-2,55	-3,23	lincRNA:chr2:55848496-55861395 forward strand
DIRC3	2	1,18E-02	-2,96	-1,64	-3,45	Homo sapiens disrupted in renal carcinoma 3 (DIRC3), non-coding RNA [NR_026597]
C4orf21	4	9,46E-04	-2,96	-1,19	-3,17	Homo sapiens chromosome 4 open reading frame 21 (C4orf21), mRNA [NM_018392]
HPDL	1	2,53E-04	-2,95	-1,01	-2,71	Homo sapiens 4-hydroxyphenylpyruvate dioxygenase-like (HPDL), mRNA [NM_032756]
RFC3	13	2,99E-02	-2,95	-1,08	-2,43	Homo sapiens replication factor C (activator 1) 3, 38kDa (RFC3), transcript variant 2, mRNA [NM_181558]

FAM172A	5	2,34E-05	-2,95	1,06	-2,91	Homo sapiens family with sequence similarity 172, member A (FAM172A), transcript variant 1, mRNA [NM_032042]
	3	1,12E-05	-2,95	1,05	-3,52	lincRNA:chr3:58594615-58612924 reverse strand
	9	5,85E-03	-2,95	-1,11	-1,76	lincRNA:chr9:2778700-2791525 reverse strand
OBFC1	10	3,02E-04	-2,94	-1,19	-3,35	Homo sapiens oligonucleotide/oligosaccharide-binding fold containing 1 (OBFC1), mRNA [NM_024928]
NCRNA00287	9	4,59E-04	-2,94	-1,15	-4,02	Homo sapiens non-protein coding RNA 287 (NCRNA00287), non-coding RNA [NR_026677]
NFE2	12	1,04E-03	-2,94	2,22	-1,44	Homo sapiens nuclear factor (erythroid-derived 2), 45kDa (NFE2), transcript variant 1, mRNA [NM_006163]
C6orf154	6	2,00E-02	-2,94	-1,01	-2,51	Homo sapiens chromosome 6 open reading frame 154 (C6orf154), mRNA [NM_001012974]
PHEX	X	1,14E-03	-2,94	-1,05	-3,27	Homo sapiens phosphate regulating endopeptidase homolog, X-linked (PHEX), mRNA [NM_000444]
LOC285696	5	5,92E-03	-2,94	-1,45	-1,78	Homo sapiens cDNA FLJ43202 fis, clone FEBRA2008360. [AK125192]
MN1	22	1,67E-03	-2,93	1,10	-2,67	Homo sapiens meningioma (disrupted in balanced translocation) 1 (MN1), mRNA [NM_002430]
NFATC4	14	1,54E-03	-2,93	-1,01	-2,65	Homo sapiens nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4 (NFATC4), transcript variant 1, mRNA [NM_001136022]
BEX1	X	2,25E-03	-2,93	-1,28	-2,31	Homo sapiens brain expressed, X-linked 1 (BEX1), mRNA [NM_018476]

ACPP	3	4,38E-03	-2,93	-1,32	-3,00	Homo sapiens acid phosphatase, prostate (ACPP), transcript variant 1, mRNA [NM_001099]
PHLDB1	11	3,48E-04	-2,93	-1,11	-2,68	Homo sapiens pleckstrin homology-like domain, family B, member 1 (PHLDB1), transcript variant 1, mRNA [NM_015157]
PRRT4	7	3,41E-02	-2,93	-1,23	-3,03	Homo sapiens proline-rich transmembrane protein 4 (PRRT4), transcript variant 1, mRNA [NM_001174164]
C5AR1	19	3,68E-03	-2,92	1,23	-2,82	Homo sapiens complement component 5a receptor 1 (C5AR1), mRNA [NM_001736]
PADI3	1	1,85E-02	-2,92	-1,10	-2,52	Homo sapiens peptidyl arginine deiminase, type III (PADI3), mRNA [NM_016233]
C14orf128	14	1,60E-03	-2,92	1,04	-2,88	Homo sapiens chromosome 14 open reading frame 128 (C14orf128), non-coding RNA [NR_027263]
SPC25	2	2,42E-02	-2,91	1,02	-2,35	Homo sapiens SPC25, NDC80 kinetochore complex component, homolog (S. cerevisiae) (SPC25), mRNA [NM_020675]
ENAH	1	1,04E-03	-2,91	1,08	-2,10	Homo sapiens enabled homolog (Drosophila) (ENAH), transcript variant 1, mRNA [NM_001008493]
40971	5	8,44E-03	-2,91	-1,62	-3,59	Homo sapiens membrane-associated ring finger (C3HC4) 3 (MARCH3), mRNA [NM_178450]
TMC3	15	4,53E-02	-2,90	-1,71	-1,45	Homo sapiens transmembrane channel-like 3 (TMC3), mRNA [NM_001080532]
C3orf72	3	1,51E-04	-2,90	1,10	-2,15	Homo sapiens chromosome 3 open reading frame 72 (C3orf72), mRNA [NM_001040061]
KIF14	1	1,90E-02	-2,90	-1,05	-2,14	Homo sapiens kinesin family member 14 (KIF14), mRNA [NM_014875]
ZNF519	18	1,61E-03	-2,90	1,00	-2,20	Homo sapiens zinc

						finger protein 519 (ZNF519), transcript variant 1, mRNA [NM_145287]
SOX6	11	4,87E-02	-2,90	-1,46	-9,26	Homo sapiens SRY (sex determining region Y)-box 6 (SOX6), transcript variant 1, mRNA [NM_017508]
C5orf34	5	8,18E-03	-2,90	-1,13	-2,75	Homo sapiens chromosome 5 open reading frame 34 (C5orf34), mRNA [NM_198566]
	15	1,92E-04	-2,90	-1,16	-2,28	lincRNA:chr15:25226682-25236382 forward strand
MSH6	2	2,67E-03	-2,90	1,03	-2,49	Homo sapiens mutS homolog 6 (E. coli) (MSH6), mRNA [NM_000179]
RIPPLY2	6	3,97E-02	-2,88	1,03	-3,41	Homo sapiens ripply2 homolog (zebrafish) (RIPPLY2), mRNA [NM_001009994]
CASC5	15	5,14E-03	-2,88	-1,13	-2,18	Homo sapiens cancer susceptibility candidate 5 (CASC5), transcript variant 1, mRNA [NM_170589]
FRAT1	10	2,15E-03	-2,88	1,17	-1,86	Homo sapiens frequently rearranged in advanced T-cell lymphomas (FRAT1), mRNA [NM_005479]
EPOR	19	8,78E-05	-2,88	-1,06	-2,54	Homo sapiens erythropoietin receptor (EPOR), transcript variant 1, mRNA [NM_000121]
PHF17	4	4,22E-04	-2,88	-1,01	-2,38	Homo sapiens PHD finger protein 17 (PHF17), transcript variant L, mRNA [NM_199320]
MAMDC2	9	9,10E-03	-2,87	-1,27	-3,71	Homo sapiens MAM domain containing 2 (MAMDC2), mRNA [NM_153267]
	12	5,27E-03	-2,87	1,09	-2,30	zinc finger protein 891 [Source:HGNC Symbol;Acc:38709] [ENST00000537226]
SPON2	4	1,84E-03	-2,87	-1,05	-3,35	Homo sapiens spondin 2, extracellular matrix protein (SPON2), transcript variant 1, mRNA [NM_012445]
NEK10	3	4,54E-03	-2,87	-1,38	-2,35	NIMA (never in mitosis gene a)-related kinase 10 [Source:HGNC Symbol;Acc:18592] [ENST00000383770]

	4	9,43E-06	-2,86	1,12	-2,63	lincRNA:chr4:6675180-6677772 forward strand
LOC729860	11	5,26E-04	-2,86	1,11	-2,36	Homo sapiens cDNA FLJ41667 fis, clone FEBRA2028366. [AK123661]
ZMAT3	3	1,94E-03	-2,86	1,09	-2,67	Homo sapiens zinc finger, matrin-type 3 (ZMAT3), transcript variant 1, mRNA [NM_022470]
PHF17	4	9,14E-04	-2,86	-1,06	-2,47	Homo sapiens PHD finger protein 17 (PHF17), transcript variant S, mRNA [NM_024900]
EVPLL	17	1,18E-02	-2,85	1,00	-3,04	Homo sapiens envoplakin-like (EVPLL), mRNA [NM_001145127]
TCEAL7	X	3,86E-04	-2,85	-1,18	-3,19	Homo sapiens transcription elongation factor A (SII)-like 7 (TCEAL7), mRNA [NM_152278]
MKI67	10	7,19E-03	-2,85	-1,08	-1,80	Homo sapiens antigen identified by monoclonal antibody Ki-67 (MKI67), transcript variant 1, mRNA [NM_002417]
USP13	3	9,32E-05	-2,84	-1,23	-2,52	Homo sapiens ubiquitin specific peptidase 13 (isopeptidase T-3) (USP13), mRNA [NM_003940]
KIF2C	1	4,16E-02	-2,84	-1,01	-2,07	Homo sapiens kinesin family member 2C (KIF2C), mRNA [NM_006845]
CTGF	6	5,39E-04	-2,84	-1,08	-3,07	Homo sapiens connective tissue growth factor (CTGF), mRNA [NM_001901]
FAM155A	13	1,82E-02	-2,83	-3,49	-3,21	Homo sapiens family with sequence similarity 155, member A (FAM155A), mRNA [NM_001080396]
XLOC_008703	10	4,54E-05	-2,83	1,06	-2,16	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
RNF125	18	3,64E-03	-2,83	-1,04	-2,15	Homo sapiens ring finger protein 125 (RNF125), mRNA [NM_017831]
KREMEN2	16	5,79E-04	-2,83	1,04	-2,94	Homo sapiens kringle containing transmembrane protein 2 (KREMEN2), transcript variant 4,

						mRNA [NM_172229]
HIST1H4L	6	7,67E-04	-2,83	-1,17	-2,47	Homo sapiens histone cluster 1, H4l (HIST1H4L), mRNA [NM_003546]
ARRDC3	5	6,49E-04	-2,83	-1,13	-2,32	Homo sapiens arrestin domain containing 3 (ARRDC3), mRNA [NM_020801]
FAM27A	9	8,17E-04	-2,83	-1,07	-2,46	Homo sapiens family with sequence similarity 27, member A (FAM27A), non-coding RNA [NR_024060]
TIGD2	4	9,55E-05	-2,83	-1,06	-2,48	Homo sapiens tigger transposable element derived 2 (TIGD2), mRNA [NM_145715]
	6	7,89E-03	-2,82	-1,26	-3,08	Homo sapiens mRNA; cDNA DKFZp686J1595 (from clone DKFZp686J1595) [BX538057]
C9orf125	9	1,80E-03	-2,82	-1,06	-2,17	Homo sapiens chromosome 9 open reading frame 125 (C9orf125), mRNA [NM_032342]
C15orf56	15	4,34E-02	-2,82	-1,41	-2,72	Homo sapiens chromosome 15 open reading frame 56 (C15orf56), mRNA [NM_001039905]
MGAT3	22	4,90E-02	-2,82	-3,24	-3,33	Homo sapiens mannosyl (beta-1,4-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase (MGAT3), transcript variant 1, mRNA [NM_002409]
GREB1L	18	4,73E-02	-2,82	-1,06	-2,73	Homo sapiens growth regulation by estrogen in breast cancer-like (GREB1L), mRNA [NM_001142966]
	21	7,94E-04	-2,82	1,05	-2,48	lincRNA:chr21:44751672-44819297 reverse strand
B3GNT1	11	1,42E-02	-2,82	-1,01	-2,33	Homo sapiens UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1 (B3GNT1), mRNA [NM_006876]
APC2	19	2,04E-02	-2,82	1,17	-2,07	Homo sapiens adenomatosis polyposis coli 2 (APC2), mRNA [NM_005883]
APCDD1L	20	2,96E-04	-2,82	1,02	-3,44	Homo sapiens adenomatosis

						polyposis coli down-regulated 1-like (APCDD1L), mRNA [NM_153360]
CAMKK1	17	7,91E-03	-2,81	-1,10	-1,98	Homo sapiens calcium/calmodulin-dependent protein kinase kinase 1, alpha (CAMKK1), transcript variant 3, mRNA [NM_172207]
GINS2	16	2,20E-02	-2,81	1,05	-2,43	Homo sapiens GINS complex subunit 2 (Psf2 homolog) (GINS2), mRNA [NM_016095]
NCAPG	4	1,90E-02	-2,81	-1,26	-2,39	Homo sapiens non-SMC condensin I complex, subunit G (NCAPG), mRNA [NM_022346]
SKA1	18	3,26E-02	-2,80	-1,06	-2,17	Homo sapiens spindle and kinetochore associated complex subunit 1 (SKA1), transcript variant 1, mRNA [NM_001039535]
LOC645158	18	2,84E-02	-2,80	-1,04	-1,37	Homo sapiens chromobox homolog 3 pseudogene (LOC645158), non-coding RNA [NR_033754]
FLJ37453	1	2,12E-05	-2,80	1,03	-2,58	Homo sapiens hypothetical LOC729614 (FLJ37453), non-coding RNA [NR_024279]
DFNB31	9	2,59E-02	-2,79	-1,27	-2,80	deafness, autosomal recessive 31 [Source:HGNC Symbol;Acc:16361] [ENST00000374057]
FOXE1	9	2,51E-02	-2,79	-1,24	-2,67	Homo sapiens forkhead box E1 (thyroid transcription factor 2) (FOXE1), mRNA [NM_004473]
RAD51	15	9,75E-03	-2,79	1,04	-2,24	Homo sapiens RAD51 homolog (S. cerevisiae) (RAD51), transcript variant 1, mRNA [NM_002875]
FBXO5	6	1,72E-02	-2,79	-1,01	-2,35	Homo sapiens F-box protein 5 (FBXO5), transcript variant 2, mRNA [NM_001142522]
PHLDB1	11	1,85E-04	-2,79	-1,10	-2,53	Homo sapiens pleckstrin homology-like domain, family B, member 1 (PHLDB1), transcript variant 1, mRNA [NM_015157]

HELLS	10	1,77E-03	-2,79	-1,11	-2,32	Homo sapiens helicase, lymphoid-specific (HELLS), mRNA [NM_018063]
FBXL7	5	7,83E-04	-2,78	1,06	-2,94	Homo sapiens F-box and leucine-rich repeat protein 7 (FBXL7), mRNA [NM_012304]
PAR-SN	15	8,70E-06	-2,78	-1,10	-2,78	Homo sapiens paternally expressed transcript PAR-SN (PAR-SN), non-coding RNA [NR_022011]
ARL14	3	7,53E-07	-2,78	-1,22	-3,34	Homo sapiens ADP-ribosylation factor-like 14 (ARL14), mRNA [NM_025047]
SPOCK3	4	2,12E-04	-2,78	-1,04	-2,29	Homo sapiens sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3 (SPOCK3), transcript variant 3, mRNA [NM_001204352]
	14	1,81E-03	-2,77	-1,12	-2,67	lincRNA:chr14:96555696-96556712 forward strand
CACNG4	17	1,90E-03	-2,77	1,30	-3,40	Homo sapiens calcium channel, voltage-dependent, gamma subunit 4 (CACNG4), mRNA [NM_014405]
GPX8	5	2,50E-03	-2,77	-1,14	-2,55	Homo sapiens glutathione peroxidase 8 (putative) (GPX8), mRNA [NM_001008397]
PSG8	19	3,35E-03	-2,77	-1,07	-2,78	Homo sapiens pregnancy specific beta-1-glycoprotein 8 (PSG8), transcript variant 1, mRNA [NM_182707]
ZNF775	7	6,70E-05	-2,77	-1,12	-2,19	Homo sapiens zinc finger protein 775 (ZNF775), mRNA [NM_173680]
PCDHAC2	5	4,93E-02	-2,76	-1,37	-2,51	Homo sapiens protocadherin alpha subfamily C, 2 (PCDHAC2), transcript variant 2, mRNA [NM_031883]
HMGB3	X	1,50E-05	-2,76	1,29	-2,33	Homo sapiens high mobility group box 3 (HMGB3), mRNA [NM_005342]
ZNF214	11	4,46E-03	-2,76	-1,11	-2,89	Homo sapiens zinc finger protein 214 (ZNF214), mRNA [NM_013249]
FANCA	16	1,47E-02	-2,76	1,00	-1,94	Homo sapiens Fanconi anemia,

						complementation group A (FANCA), transcript variant 2, mRNA [NM_001018112]
FAT3	11	3,68E-02	-2,76	-2,56	-2,73	Homo sapiens FAT tumor suppressor homolog 3 (Drosophila) (FAT3), mRNA [NM_001008781]
FAM59A	18	1,32E-04	-2,76	-1,13	-3,12	Homo sapiens family with sequence similarity 59, member A (FAM59A), transcript variant 2, mRNA [NM_022751]
SHPRH	6	4,44E-03	-2,76	-1,39	-1,91	Homo sapiens SNF2 histone linker PHD RING helicase (SHPRH), transcript variant 2, mRNA [NM_173082]
LOC729683	17	1,11E-02	-2,75	-1,16	-1,75	full-length cDNA clone CS0DL006YD08 of B cells (Ramos cell line) Cot 25-normalized of Homo sapiens (human). [CR594811]
LEP	7	9,46E-03	-2,75	1,70	-1,78	Homo sapiens leptin (LEP), mRNA [NM_000230]
HIST1H4A	6	4,57E-04	-2,75	-1,19	-2,38	Homo sapiens histone cluster 1, H4a (HIST1H4A), mRNA [NM_003538]
TRAIP	3	1,20E-02	-2,75	-1,24	-1,93	Homo sapiens TRAF interacting protein (TRAIP), mRNA [NM_005879]
SNHG7	9	9,63E-05	-2,75	-1,13	-2,58	Homo sapiens small nucleolar RNA host gene 7 (non-protein coding) (SNHG7), transcript variant 2, non-coding RNA [NR_024542]
PDGFA	7	9,77E-04	-2,75	-1,05	-2,43	Homo sapiens platelet-derived growth factor alpha polypeptide (PDGFA), transcript variant 2, mRNA [NM_033023]
RAD54B	8	2,50E-02	-2,74	1,07	-2,42	Homo sapiens RAD54 homolog B (S. cerevisiae) (RAD54B), transcript variant 1, mRNA [NM_012415]
	9	4,31E-02	-2,74	-3,70	-1,64	lincRNA:chr9:118701880-118718967 forward strand
KCNMA1	10	1,03E-02	-2,74	-1,19	-2,87	Homo sapiens potassium large conductance calcium-activated

						channel, subfamily M, alpha member 1 (KCNMA1), transcript variant 2, mRNA [NM_002247]
BCAS1	20	4,00E-02	-2,74	-1,48	-3,43	Homo sapiens breast carcinoma amplified sequence 1 (BCAS1), mRNA [NM_003657]
CNTN3	3	4,26E-03	-2,74	2,06	-2,02	Homo sapiens contactin 3 (plasmacytoma associated) (CNTN3), mRNA [NM_020872]
WNT5B	12	1,10E-03	-2,74	-1,12	-2,50	Homo sapiens wingless-type MMTV integration site family, member 5B (WNT5B), transcript variant 2, mRNA [NM_030775]
KPRP	1	4,57E-03	-2,74	-2,32	-4,12	Homo sapiens keratinocyte proline-rich protein (KPRP), mRNA [NM_001025231]
UBE2T	1	1,02E-02	-2,74	1,06	-2,15	Homo sapiens ubiquitin-conjugating enzyme E2T (putative) (UBE2T), mRNA [NM_014176]
NFIB	9	2,84E-05	-2,74	-1,09	-2,29	Homo sapiens nuclear factor I/B (NFIB), transcript variant 3, mRNA [NM_005596]
LOC645586	9	1,40E-04	-2,74	-1,01	-2,15	Homo sapiens cDNA FLJ25208 fis, clone REC05984. [AK057937]
HKDC1	10	1,66E-02	-2,74	-1,38	-3,38	Homo sapiens hexokinase domain containing 1 (HKDC1), mRNA [NM_025130]
LGR4	11	2,66E-03	-2,73	1,08	-2,32	Homo sapiens leucine-rich repeat containing G protein-coupled receptor 4 (LGR4), mRNA [NM_018490]
SCN4B	11	6,28E-03	-2,73	1,06	-2,50	Homo sapiens sodium channel, voltage-gated, type IV, beta (SCN4B), transcript variant 1, mRNA [NM_174934]
HIST1H4D	6	1,09E-03	-2,73	-1,10	-2,40	Homo sapiens histone cluster 1, H4d (HIST1H4D), mRNA [NM_003539]
BLM	15	1,48E-02	-2,73	1,07	-2,10	Homo sapiens Bloom syndrome, RecQ helicase-like (BLM), mRNA [NM_000057]
	1	7,53E-05	-2,73	-1,13	-2,20	lincRNA:chr1:26210671-26219098 reverse

						strand
C18orf18	18	2,73E-04	-2,73	1,16	-2,21	Homo sapiens chromosome 18 open reading frame 18 (C18orf18), non-coding RNA [NR_026849]
SYDE2	1	1,68E-05	-2,73	-1,07	-2,48	synapse defective 1, Rho GTPase, homolog 2 (C. elegans) [Source:HGNC Symbol;Acc:25841] [ENST00000234668]
	12	9,67E-04	-2,73	1,01	-2,80	lincRNA:chr12:11325533-11330583 forward strand
OIP5	15	4,65E-02	-2,73	-1,03	-2,32	Homo sapiens Opa interacting protein 5 (OIP5), mRNA [NM_007280]
MUC15	11	2,22E-03	-2,73	-1,55	-3,85	Homo sapiens mucin 15, cell surface associated (MUC15), transcript variant 2, mRNA [NM_145650]
	19	1,11E-04	-2,73	-1,03	-2,11	lincRNA:chr19:28293532-28294380 forward strand
HSPB2	11	4,11E-03	-2,72	1,04	-3,18	Homo sapiens heat shock 27kDa protein 2 (HSPB2), mRNA [NM_001541]
	11	2,60E-03	-2,72	-1,07	-3,14	chromosome 11 open reading frame 55 [Source:HGNC Symbol;Acc:23262] [ENST00000355500]
KIF15	3	2,80E-02	-2,72	-1,06	-2,23	Homo sapiens kinesin family member 15 (KIF15), mRNA [NM_020242]
GLCCI1	7	2,64E-03	-2,72	-1,18	-2,69	Homo sapiens glucocorticoid induced transcript 1 (GLCCI1), mRNA [NM_138426]
UBASH3B	11	4,15E-05	-2,72	1,07	-1,99	Homo sapiens ubiquitin associated and SH3 domain containing B (UBASH3B), mRNA [NM_032873]
PDGFC	4	1,79E-03	-2,72	1,00	-2,44	Homo sapiens platelet derived growth factor C (PDGFC), transcript variant 1, mRNA [NM_016205]
HIST1H3F	6	1,87E-03	-2,72	-1,15	-2,30	Homo sapiens histone cluster 1, H3f (HIST1H3F), mRNA [NM_021018]
CENPM	22	1,00E-02	-2,72	-1,02	-2,23	Homo sapiens centromere protein M (CENPM), transcript variant 2, mRNA [NM_001002876]
SAC3D1	11	5,18E-04	-2,71	1,08	-2,56	Homo sapiens SAC3

						domain containing 1 (SAC3D1), mRNA [NM_013299]
MAP1B	5	7,51E-03	-2,71	-1,27	-1,82	Homo sapiens microtubule-associated protein 1B (MAP1B), mRNA [NM_005909]
NGFR	17	2,42E-03	-2,71	-1,18	-3,16	Homo sapiens nerve growth factor receptor (NGFR), mRNA [NM_002507]
XLOC_012197	17	1,15E-03	-2,71	1,12	-2,52	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
FRAT2	10	2,46E-04	-2,71	1,02	-2,49	Homo sapiens frequently rearranged in advanced T-cell lymphomas 2 (FRAT2), mRNA [NM_012083]
SPC24	19	2,70E-02	-2,71	1,05	-1,89	Homo sapiens cDNA FLJ90806 fis, clone Y79AA1000750. [AK075287]
	21	1,00E-04	-2,71	-1,03	-2,84	lincRNA:chr21:29817053-30047175 reverse strand
XLOC_012197	17	2,74E-03	-2,71	1,33	-2,67	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
	5	2,74E-02	-2,71	-1,96	-2,68	lincRNA:chr5:88390860-88394207 forward strand
FLJ45482	7_gl000195_random	1,15E-02	-2,71	-1,22	-2,42	Homo sapiens cDNA FLJ45482 fis, clone BRTHA2001953. [AK127393]
GP1BB	22	1,11E-05	-2,70	-1,11	-2,80	Homo sapiens glycoprotein Ib (platelet), beta polypeptide (GP1BB), mRNA [NM_000407]
NT5DC2	3	8,03E-06	-2,70	1,04	-2,41	Homo sapiens 5'-nucleotidase domain containing 2 (NT5DC2), transcript variant 2, mRNA [NM_022908]
	9	9,64E-03	-2,70	-1,15	-1,91	lincRNA:chr9:132260617-132265944 forward strand
PCDHGB7	5	3,99E-03	-2,70	1,23	-2,30	Homo sapiens protocadherin gamma subfamily B, 7 (PCDHGB7), transcript variant 2, mRNA [NM_032101]
C14orf128	14	1,45E-03	-2,70	1,06	-2,78	Homo sapiens chromosome 14 open reading frame 128 (C14orf128), non-coding RNA

						[NR_027263]
EFS	14	4,82E-03	-2,70	1,04	-2,68	Homo sapiens embryonal Fyn-associated substrate (EFS), transcript variant 1, mRNA [NM_005864]
ABCB6	2	1,61E-03	-2,70	-1,05	-2,43	Homo sapiens ATP-binding cassette, sub-family B (MDR/TAP), member 6 (ABCB6), nuclear gene encoding mitochondrial protein, mRNA [NM_005689]
DBF4	7	1,95E-03	-2,70	-1,04	-2,13	Homo sapiens DBF4 homolog (S. cerevisiae) (DBF4), mRNA [NM_006716]
ZNF30	19	1,34E-02	-2,69	1,08	-2,30	Homo sapiens zinc finger protein 30 (ZNF30), transcript variant 1, mRNA [NM_001099438]
KIAA0114	4	5,48E-05	-2,69	1,07	-2,61	Homo sapiens KIAA0114 (KIAA0114), non-coding RNA [NR_024031]
PKMYT1	16	2,13E-03	-2,69	1,01	-2,20	Homo sapiens protein kinase, membrane associated tyrosine/threonine 1 (PKMYT1), transcript variant 2, mRNA [NM_182687]
VTCN1	1	1,12E-03	-2,69	1,00	-3,37	Homo sapiens V-set domain containing T cell activation inhibitor 1 (VTCN1), mRNA [NM_024626]
PRORSD1P	2	2,93E-04	-2,68	1,19	-1,83	Homo sapiens prolyl-tRNA synthetase associated domain containing 1, pseudogene (PRORSD1P), non-coding RNA [NR_027258]
RECK	9	5,73E-03	-2,68	-1,17	-2,93	Homo sapiens reversion-inducing-cysteine-rich protein with kazal motifs (RECK), mRNA [NM_021111]
SDPR	2	9,60E-03	-2,68	1,05	-2,63	Homo sapiens serum deprivation response (SDPR), mRNA [NM_004657]
ZNF503	10	3,89E-03	-2,67	-1,12	-2,19	Homo sapiens zinc finger protein 503 (ZNF503), mRNA [NM_032772]

BCL11A	2	3,76E-04	-2,67	-1,11	-1,92	Homo sapiens B-cell CLL/lymphoma 11A (zinc finger protein) (BCL11A), transcript variant 3, mRNA [NM_138559]
	2	2,94E-03	-2,67	-3,01	-2,79	lincRNA:chr2:136988322-136990815 forward strand
ZNF704	8	1,12E-02	-2,66	1,20	-2,00	Homo sapiens zinc finger protein 704 (ZNF704), mRNA [NM_001033723]
RNF165	18	8,34E-03	-2,66	1,30	-2,02	Homo sapiens ring finger protein 165 (RNF165), mRNA [NM_152470]
STL	6	1,04E-02	-2,66	-1,41	-1,99	Homo sapiens six-twelve leukemia (STL), non-coding RNA [NR_026876]
SYTL4	X	1,56E-02	-2,66	-1,09	-2,63	Homo sapiens synaptotagmin-like 4 (SYTL4), transcript variant 1, mRNA [NM_080737]
CABLES1	18	1,90E-05	-2,66	-1,02	-2,48	Homo sapiens Cdk5 and Abl enzyme substrate 1 (CABLES1), transcript variant 1, mRNA [NM_138375]
CLCN4	X	4,76E-03	-2,66	-1,34	-2,99	Homo sapiens chloride channel 4 (CLCN4), mRNA [NM_001830]
FAM27A	9	8,30E-04	-2,66	1,03	-2,49	Homo sapiens family with sequence similarity 27, member A (FAM27A), non-coding RNA [NR_024060]
MAMLD1	X	6,43E-04	-2,66	-1,05	-2,58	Homo sapiens mastermind-like domain containing 1 (MAMLD1), transcript variant 2, mRNA [NM_005491]
WDHD1	14	6,33E-03	-2,66	1,01	-2,37	Homo sapiens WD repeat and HMG-box DNA binding protein 1 (WDHD1), transcript variant 1, mRNA [NM_007086]
SLC16A8	22	2,53E-02	-2,66	1,12	-2,11	Homo sapiens solute carrier family 16, member 8 (monocarboxylic acid transporter 3) (SLC16A8), mRNA [NM_013356]
NALCN	13	2,66E-02	-2,65	-1,01	-4,01	Homo sapiens sodium leak channel, non-selective (NALCN), mRNA [NM_052867]
	17_gl000205_ra	1,09E-03	-2,65	-1,02	-2,56	Homo sapiens cDNA FLJ14761 fis, clone NT2RP3003302.

	ndom					[AK027667]
CSRP2	12	7,62E-04	-2,65	1,09	-2,33	Homo sapiens cysteine and glycine-rich protein 2 (CSRP2), mRNA [NM_001321]
ACTR3B	7	2,77E-04	-2,65	1,07	-2,21	Homo sapiens ARP3 actin-related protein 3 homolog B (yeast) (ACTR3B), transcript variant 1, mRNA [NM_020445]
ORC6	16	5,32E-03	-2,65	1,03	-2,27	Homo sapiens origin recognition complex, subunit 6 (ORC6), transcript variant 1, mRNA [NM_014321]
CRABP2	1	2,38E-04	-2,65	-1,17	-2,94	Homo sapiens cellular retinoic acid binding protein 2 (CRABP2), transcript variant 1, mRNA [NM_001878]
PXMP2	12	1,79E-02	-2,65	-1,51	-2,82	Homo sapiens peroxisomal membrane protein 2, 22kDa, mRNA (cDNA clone IMAGE:4098463), complete cds. [BC009836]
SNAI2	8	1,76E-02	-2,65	1,03	-1,90	Homo sapiens snail homolog 2 (Drosophila) (SNAI2), mRNA [NM_003068]
TMCC2	1	1,54E-03	-2,64	-1,13	-3,86	Homo sapiens transmembrane and coiled-coil domain family 2 (TMCC2), transcript variant 1, mRNA [NM_014858]
CKAP2L	2	3,70E-02	-2,64	1,01	-1,98	Homo sapiens cytoskeleton associated protein 2-like (CKAP2L), mRNA [NM_152515]
CCDC152	5	3,35E-02	-2,64	-1,21	-2,09	Homo sapiens coiled-coil domain containing 152 (CCDC152), mRNA [NM_001134848]
JPH1	8	4,13E-04	-2,64	-1,14	-2,31	Homo sapiens junctophilin 1 (JPH1), mRNA [NM_020647]
XLOC_005127	6	1,23E-02	-2,64	-2,10	-2,62	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
LOC401052	3	1,53E-03	-2,63	-1,31	-4,43	Homo sapiens hypothetical LOC401052 (LOC401052), mRNA [NM_001008737]
ANKH	5	9,91E-05	-2,63	1,05	-2,29	Homo sapiens

						ankylosis, progressive homolog (mouse) (ANKH), mRNA [NM_054027]
FRY	13	8,19E-03	-2,63	-1,61	-2,55	Homo sapiens furry homolog (Drosophila) (FRY), mRNA [NM_023037]
	8	2,86E-02	-2,63	-1,11	-2,46	lincRNA:chr8:52777597-52786597 forward strand
FAM47E	4	1,11E-02	-2,63	-1,11	-3,93	Homo sapiens family with sequence similarity 47, member E (FAM47E), transcript variant 2, mRNA [NM_001242936]
ZNF248	10	4,33E-04	-2,63	1,17	-2,64	Homo sapiens zinc finger protein 248 (ZNF248), mRNA [NM_021045]
CDCA8	1	3,70E-02	-2,63	1,02	-2,01	Homo sapiens cell division cycle associated 8 (CDCA8), mRNA [NM_018101]
AKR1C3	10	2,51E-04	-2,63	1,01	-2,72	Homo sapiens aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase, type II) (AKR1C3), mRNA [NM_003739]
HIST1H2AM	6	4,33E-03	-2,62	-1,00	-2,22	Homo sapiens histone cluster 1, H2am (HIST1H2AM), mRNA [NM_003514]
MEIS2	15	3,85E-03	-2,62	1,04	-2,61	Homo sapiens Meis homeobox 2 (MEIS2), transcript variant a, mRNA [NM_170677]
MOSC1	1	2,26E-04	-2,62	1,02	-2,35	Homo sapiens MOCO sulphurase C-terminal domain containing 1 (MOSC1), nuclear gene encoding mitochondrial protein, mRNA [NM_022746]
ADAT2	6	5,06E-04	-2,62	1,07	-2,17	Homo sapiens adenosine deaminase, tRNA-specific 2 (ADAT2), mRNA [NM_182503]
PSG1	19	9,28E-04	-2,62	-1,07	-2,75	Homo sapiens pregnancy specific beta-1-glycoprotein 1 (PSG1), transcript variant 1, mRNA [NM_006905]
WDR76	15	2,77E-03	-2,62	1,10	-2,44	Homo sapiens WD repeat domain 76 (WDR76), transcript variant 1, mRNA [NM_024908]
	5	8,14E-04	-2,61	-1,15	-2,77	lincRNA:chr5:127350

						725-127351188 reverse strand
ARHGAP29	1	4,10E-04	-2,61	-1,31	-1,97	Homo sapiens Rho GTPase activating protein 29 (ARHGAP29), mRNA [NM_004815]
OSGEPL1	2	1,31E-02	-2,61	-1,02	-2,46	Homo sapiens O-sialoglycoprotein endopeptidase-like 1 (OSGEPL1), mRNA [NM_022353]
HIST1H4B	6	6,28E-04	-2,61	-1,12	-2,30	Homo sapiens histone cluster 1, H4b (HIST1H4B), mRNA [NM_003544]
SLC7A11	4	1,47E-02	-2,61	-1,30	-2,18	Homo sapiens solute carrier family 7 (anionic amino acid transporter light chain, xc- system), member 11 (SLC7A11), mRNA [NM_014331]
DENND2A	7	1,90E-02	-2,61	-1,45	-2,24	Homo sapiens DENN/MADD domain containing 2A (DENND2A), mRNA [NM_015689]
C10orf10	10	1,11E-03	-2,60	1,49	-1,81	Homo sapiens chromosome 10 open reading frame 10 (C10orf10), mRNA [NM_007021]
ZNF10	12	5,50E-03	-2,60	1,15	-2,02	Homo sapiens zinc finger protein 10 (ZNF10), mRNA [NM_015394]
LRRC20	10	4,62E-03	-2,60	-1,25	-3,08	Homo sapiens leucine rich repeat containing 20 (LRRC20), transcript variant 3, mRNA [NM_018205]
	18	4,14E-02	-2,60	-2,47	-2,40	lincRNA:chr18:22513427-22567638 reverse strand
SMARCA2	9	1,40E-04	-2,60	-1,11	-2,26	Homo sapiens SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2 (SMARCA2), transcript variant 2, mRNA [NM_139045]
	8	3,87E-02	-2,60	-1,42	-1,48	lincRNA:chr8:128807043-128820943 forward strand
	6	3,00E-02	-2,59	-1,62	-1,77	lincRNA:chr6:64472442-64498999 reverse strand
SPATA13	13	1,74E-02	-2,59	-1,17	-3,54	Homo sapiens spermatogenesis associated 13 (SPATA13), transcript variant 1, mRNA

						[NM_001166271]
	11	2,96E-02	-2,59	-1,47	-1,70	lincRNA:chr11:124923375-124923815 forward strand
C19orf73	19	4,41E-05	-2,59	-1,05	-2,35	Homo sapiens chromosome 19 open reading frame 73 (C19orf73), mRNA [NM_018111]
POM121L8P	22	4,39E-03	-2,59	-1,44	-3,18	Homo sapiens POM121 membrane glycoprotein-like 8 pseudogene (POM121L8P), non-coding RNA [NR_024583]
	4	1,13E-03	-2,59	-1,00	-2,58	lincRNA:chr4:90548934-90641190 forward strand
OPHN1	X	1,49E-02	-2,59	-1,28	-2,35	Homo sapiens oligophrenin 1 (OPHN1), mRNA [NM_002547]
DEPDC1	1	1,78E-02	-2,58	-1,08	-1,95	Homo sapiens DEP domain containing 1 (DEPDC1), transcript variant 2, mRNA [NM_017779]
C6orf168	6	5,83E-03	-2,58	1,06	-1,65	Homo sapiens chromosome 6 open reading frame 168 (C6orf168), mRNA [NM_032511]
IRAK1BP1	6	5,16E-03	-2,58	-1,07	-1,98	Homo sapiens interleukin-1 receptor-associated kinase 1 binding protein 1 (IRAK1BP1), mRNA [NM_001010844]
TSHZ1	18	1,81E-03	-2,58	1,02	-2,85	Homo sapiens teashirt zinc finger homeobox 1 (TSHZ1), mRNA [NM_005786]
DNASE1L3	3	2,64E-02	-2,58	-1,51	-3,15	Homo sapiens deoxyribonuclease I-like 3 (DNASE1L3), mRNA [NM_004944]
RFC4	3	5,30E-03	-2,58	1,03	-2,11	Homo sapiens replication factor C (activator 1) 4, 37kDa (RFC4), transcript variant 1, mRNA [NM_002916]
LOC400027	12	5,97E-06	-2,57	-1,05	-2,50	Homo sapiens hypothetical LOC400027 (LOC400027), non-coding RNA [NR_028408]
DSEL	18	2,91E-04	-2,57	-1,32	-2,43	Homo sapiens dermatan sulfate epimerase-like (DSEL), mRNA [NM_032160]

	1	3,67E-02	-2,57	-1,27	-1,79	Homo sapiens clone HLS_IMAGE_28177 7 mRNA sequence. [DQ786257]
ESCO2	8	4,14E-02	-2,56	1,00	-1,84	Homo sapiens establishment of cohesion 1 homolog 2 (S. cerevisiae) (ESCO2), mRNA [NM_001017420]
NEURL1B	5	1,37E-03	-2,56	-1,01	-2,24	Homo sapiens neuralized homolog 1B (Drosophila) (NEURL1B), mRNA [NM_001142651]
IRX4	5	9,67E-05	-2,56	-1,04	-2,62	Homo sapiens iroquois homeobox 4 (IRX4), mRNA [NM_016358]
RECQL4	8	4,03E-03	-2,56	-1,08	-2,18	Homo sapiens RecQ protein-like 4 (RECQL4), mRNA [NM_004260]
CENPP	9	8,70E-04	-2,56	1,11	-2,63	Homo sapiens centromere protein P (CENPP), mRNA [NM_001012267]
XLOC_0072 49	8	2,57E-03	-2,56	1,01	-2,44	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
	21	1,21E-05	-2,56	-1,03	-2,11	lincRNA:chr21:29818 746-30047176 reverse strand
	13	1,34E-03	-2,56	-1,37	-2,68	lincRNA:chr13:50656 384-50681354 forward strand
KCNIP3	2	4,09E-03	-2,56	-1,01	-2,30	Homo sapiens Kv channel interacting protein 3, calsenilin (KCNIP3), transcript variant 1, mRNA [NM_013434]
MMS22L	6	2,00E-02	-2,55	-1,03	-2,23	Homo sapiens MMS22-like, DNA repair protein (MMS22L), mRNA [NM_198468]
KRTAP19-1	21	3,19E-04	-2,55	-1,17	-2,36	Homo sapiens keratin associated protein 19-1 (KRTAP19-1), mRNA [NM_181607]
FAM171A1	10	8,71E-05	-2,55	1,06	-2,40	Homo sapiens family with sequence similarity 171, member A1 (FAM171A1), mRNA [NM_001010924]
FANCA	16	8,62E-03	-2,55	1,01	-2,19	Homo sapiens Fanconi anemia, complementation group A (FANCA), transcript variant 1, mRNA [NM_000135]

NLRP7	19	3,08E-02	-2,54	-1,20	-1,91	Homo sapiens NLR family, pyrin domain containing 7 (NLRP7), transcript variant 1, mRNA [NM_139176]
	13	2,31E-02	-2,54	-1,57	-2,13	lincRNA:chr13:41445380-41446357 reverse strand
	5	1,31E-03	-2,54	-1,05	-2,14	PREDICTED: Homo sapiens hCG1981531 (LOC728586), partial miscRNA [XR_110564]
GPNMB	7	1,40E-02	-2,54	-1,12	-2,89	Homo sapiens glycoprotein (transmembrane) nmb (GPNMB), transcript variant 1, mRNA [NM_001005340]
FANCE	6	5,22E-05	-2,54	-1,03	-2,26	Homo sapiens Fanconi anemia, complementation group E (FANCE), mRNA [NM_021922]
CBX7	22	1,54E-04	-2,54	-1,00	-3,31	Homo sapiens chromobox homolog 7 (CBX7), mRNA [NM_175709]
DBP	19	3,68E-02	-2,53	-1,46	-2,87	Homo sapiens D site of albumin promoter (albumin D-box) binding protein (DBP), mRNA [NM_001352]
BCL11A	2	2,76E-03	-2,53	1,08	-3,10	Homo sapiens B-cell CLL/lymphoma 11A (zinc finger protein) (BCL11A), transcript variant 1, mRNA [NM_022893]
MSH2	2	6,68E-03	-2,53	1,02	-2,26	Homo sapiens mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli) (MSH2), mRNA [NM_000251]
CDC45	22	3,05E-02	-2,53	-1,03	-2,18	Homo sapiens cell division cycle 45 homolog (S. cerevisiae) (CDC45), transcript variant 2, mRNA [NM_003504]
C2orf55	2	3,98E-03	-2,53	1,22	-2,87	Homo sapiens chromosome 2 open reading frame 55 (C2orf55), mRNA [NM_207362]
PNPLA3	22	9,45E-05	-2,53	-1,00	-2,31	Homo sapiens patatin-like phospholipase domain containing 3 (PNPLA3), mRNA [NM_025225]
PADI1	1	1,93E-02	-2,53	-2,51	-3,61	Homo sapiens peptidyl arginine deiminase, type I

						(PADI1), mRNA [NM_013358]
CNGA1	4	1,56E-02	-2,53	-1,16	-2,74	Homo sapiens cyclic nucleotide gated channel alpha 1 (CNGA1), transcript variant 2, mRNA [NM_000087]
KLF12	13	2,93E-03	-2,53	-1,00	-2,04	Homo sapiens Kruppel-like factor 12 (KLF12), mRNA [NM_007249]
KIF23	15	3,34E-02	-2,53	-1,08	-2,04	Homo sapiens kinesin family member 23 (KIF23), transcript variant 1, mRNA [NM_138555]
	8	4,76E-02	-2,53	-3,48	-1,58	lincRNA:chr8:124472369-124499694 forward strand
C18orf54	18	1,31E-02	-2,52	1,13	-2,67	Homo sapiens chromosome 18 open reading frame 54 (C18orf54), mRNA [NM_173529]
C19orf48	19	4,97E-04	-2,52	-1,01	-2,13	Homo sapiens chromosome 19 open reading frame 48 (C19orf48), mRNA [NM_199249]
BUB1B	15	3,59E-02	-2,52	-1,06	-1,91	Homo sapiens budding uninhibited by benzimidazoles 1 homolog beta (yeast) (BUB1B), mRNA [NM_001211]
NCRNA00292	1	1,93E-03	-2,52	1,20	-2,43	Homo sapiens non-protein coding RNA 292 (NCRNA00292), transcript variant 2, non-coding RNA [NR_027286]
	6	1,49E-02	-2,52	1,15	-2,18	Q2M2B7_HUMAN (Q2M2B7) Sestrin 1, partial (68%) [THC2527965]
XLOC_005810	6	1,82E-04	-2,52	-1,11	-2,72	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
ABCA12	2	2,70E-03	-2,52	-1,19	-2,51	Homo sapiens ATP-binding cassette, sub-family A (ABC1), member 12 (ABCA12), transcript variant 1, mRNA [NM_173076]
FAM87B	1	6,91E-04	-2,52	1,13	-2,15	PREDICTED: Homo sapiens family with sequence similarity 87, member B (FAM87B), miscRNA [XR_112085]
SLC16A5	17	1,84E-03	-2,52	-1,11	-2,43	Homo sapiens solute carrier family 16, member 5 (monocarboxylic acid transporter 6)

						(SLC16A5), mRNA [NM_004695]
	8	5,65E-04	-2,52	-1,11	-2,00	lincRNA:chr8:107282463-107284434 forward strand
KLHL3	5	9,73E-03	-2,52	1,18	-2,08	Homo sapiens kelch-like 3 (Drosophila) (KLHL3), mRNA [NM_017415]
MCM5	22	9,47E-03	-2,51	1,05	-2,40	Homo sapiens minichromosome maintenance complex component 5 (MCM5), mRNA [NM_006739]
CENPI	X	3,67E-02	-2,51	-1,10	-2,03	Homo sapiens centromere protein I (CENPI), mRNA [NM_006733]
CNTRL	9	2,29E-02	-2,51	-1,10	-1,60	centrosomal protein 110kDa [Source:HGNC Symbol;Acc:1858] [ENST00000373851]
	9	1,94E-03	-2,51	-1,06	-1,71	Homo sapiens cDNA FLJ41803 fis, clone NHNPC2002749. [AK123797]
	10	1,11E-03	-2,51	-1,02	-2,27	lincRNA:chr10:118574085-118608460 reverse strand
VSIG10	12	8,03E-05	-2,50	-1,15	-2,40	Homo sapiens V-set and immunoglobulin domain containing 10 (VSIG10), mRNA [NM_019086]
PRICKLE2	3	4,02E-02	-2,50	1,05	-2,30	Homo sapiens prickle homolog 2 (Drosophila) (PRICKLE2), mRNA [NM_198859]
C16orf53	16	9,54E-05	-2,50	1,01	-2,06	Homo sapiens chromosome 16 open reading frame 53 (C16orf53), mRNA [NM_024516]
	11	4,22E-02	-2,50	-1,78	-2,12	lincRNA:chr11:133766329-133767054 reverse strand
ZCWPW2	3	5,65E-03	-2,50	1,04	-2,03	Homo sapiens zinc finger, CW type with PWWP domain 2 (ZCWPW2), mRNA [NM_001040432]
HMGB3	X	1,54E-05	-2,50	1,19	-2,09	Homo sapiens high mobility group box 3 (HMGB3), mRNA [NM_005342]
EIF4E1B	5	1,32E-02	-2,50	-1,82	-2,16	Homo sapiens eukaryotic translation initiation factor 4E family member 1B (EIF4E1B), mRNA [NM_001099408]
XLOC_011183	15	2,53E-03	-2,50	1,05	-2,11	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)

SLCO3A1	15	7,19E-04	-2,50	1,02	-2,23	Homo sapiens solute carrier organic anion transporter family, member 3A1 (SLCO3A1), transcript variant 1, mRNA [NM_013272]
MCM4	8	1,64E-02	-2,50	1,08	-2,29	Homo sapiens minichromosome maintenance complex component 4 (MCM4), transcript variant 1, mRNA [NM_005914]
XRCC2	7	1,04E-05	-2,49	-1,05	-2,58	Homo sapiens X-ray repair complementing defective repair in Chinese hamster cells 2 (XRCC2), mRNA [NM_005431]
XLOC_009313	11	2,92E-02	-2,49	-1,05	-2,08	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
TMTC4	13	2,23E-03	-2,49	1,03	-1,93	Homo sapiens transmembrane and tetratricopeptide repeat containing 4 (TMTC4), transcript variant 1, mRNA [NM_032813]
PPARGC1B	5	2,32E-02	-2,49	-1,05	-2,38	Homo sapiens peroxisome proliferator-activated receptor gamma, coactivator 1 beta (PPARGC1B), transcript variant 1, mRNA [NM_133263]
EFNA5	5	1,45E-02	-2,49	-1,37	-1,78	Homo sapiens ephrin-A5 (EFNA5), mRNA [NM_001962]
PAIP2B	2	2,63E-04	-2,49	-1,44	-2,99	Homo sapiens poly(A) binding protein interacting protein 2B (PAIP2B), mRNA [NM_020459]
ZNF774	15	5,31E-03	-2,49	-1,32	-1,52	Homo sapiens zinc finger protein 774 (ZNF774), mRNA [NM_001004309]
ST3GAL2	16	2,92E-04	-2,49	1,02	-1,79	Homo sapiens ST3 beta-galactoside alpha-2,3-sialyltransferase 2 (ST3GAL2), mRNA [NM_006927]
LOC100129794	14	2,50E-02	-2,49	-1,09	-2,81	Homo sapiens hypothetical LOC100129794 (LOC100129794), non-coding RNA [NR_033240]
SLITRK6	13	3,72E-03	-2,49	-1,22	-2,23	Homo sapiens SLIT and NTRK-like family, member 6 (SLITRK6), mRNA

						[NM_032229]
TSPAN2	1	4,15E-02	-2,49	1,01	-1,86	Homo sapiens tetraspanin 2 (TSPAN2), mRNA [NM_005725]
ANKRD18A	9	2,93E-03	-2,49	-1,21	-2,73	Homo sapiens ankyrin repeat domain 18A (ANKRD18A), mRNA [NM_147195]
LOC100130433	9	1,76E-03	-2,49	-1,05	-1,88	Homo sapiens cDNA FLJ38936 fis, clone NT2NE2015275. [AK096255]
PBX1	1	3,04E-02	-2,48	1,02	-2,49	Homo sapiens pre-B-cell leukemia homeobox 1 (PBX1), transcript variant 1, mRNA [NM_002585]
BRCA2	13	1,59E-02	-2,48	-1,20	-2,03	Homo sapiens breast cancer 2, early onset (BRCA2), mRNA [NM_000059]
IGSF9	1	2,32E-04	-2,48	-1,07	-2,20	Homo sapiens immunoglobulin superfamily, member 9 (IGSF9), transcript variant 2, mRNA [NM_020789]
LOC100289650	19	9,29E-03	-2,48	-1,14	-2,16	Homo sapiens hypothetical LOC100289650 (LOC100289650), non-coding RNA [NR_036584]
PXMP4	20	5,34E-03	-2,47	1,05	-2,63	Homo sapiens peroxisomal membrane protein 4, 24kDa (PXMP4), transcript variant 1, mRNA [NM_007238]
SLC25A27	6	3,95E-02	-2,47	-1,17	-2,47	Homo sapiens solute carrier family 25, member 27 (SLC25A27), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_004277]
MSH2	2	1,01E-02	-2,47	-1,01	-2,09	Homo sapiens mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli) (MSH2), mRNA [NM_000251]
IVL	1	1,67E-04	-2,47	-1,63	-3,45	Homo sapiens involucrin (IVL), mRNA [NM_005547]
PITPNM3	17	9,08E-03	-2,47	-1,14	-2,64	Homo sapiens PITPNM family member 3 (PITPNM3), transcript variant 1, mRNA [NM_031220]

STON1-GTF2A1L	2	2,69E-02	-2,47	1,26	-2,37	Homo sapiens STON1-GTF2A1L readthrough (STON1-GTF2A1L), transcript variant 1, mRNA [NM_172311]
STAC	3	7,90E-04	-2,47	-1,06	-2,93	Homo sapiens SH3 and cysteine rich domain (STAC), mRNA [NM_003149]
FBXO32	8	2,02E-03	-2,47	-1,35	-2,88	Homo sapiens F-box protein 32 (FBXO32), transcript variant 1, mRNA [NM_058229]
AMOT	X	1,19E-03	-2,47	1,20	-2,82	Homo sapiens angiomotin (AMOT), transcript variant 2, mRNA [NM_133265]
NFIB	9	8,62E-05	-2,47	-1,19	-2,03	Homo sapiens nuclear factor I/B (NFIB), transcript variant 3, mRNA [NM_005596]
DYDC2	10	4,88E-02	-2,47	1,02	-2,31	Homo sapiens DPY30 domain containing 2 (DYDC2), mRNA [NM_032372]
LOC100130015	16	7,78E-03	-2,47	-1,34	-3,71	Homo sapiens 5-hydroxyisourate hydrolase pseudogene (LOC100130015), transcript variant 1, non-coding RNA [NR_027336]
WRB	21	1,81E-04	-2,46	1,13	-2,21	Homo sapiens tryptophan rich basic protein (WRB), transcript variant 1, mRNA [NM_004627]
	6	2,95E-03	-2,46	1,10	-2,23	histone cluster 1, H4c [Source:HGNC Symbol;Acc:4787] [ENST00000377803]
LOC219347	10	4,19E-02	-2,46	-1,17	-1,21	Homo sapiens hypothetical LOC219347 (LOC219347), transcript variant 1, non-coding RNA [NR_027428]
MCOLN3	1	1,64E-03	-2,46	-1,11	-2,32	mucolipin 3 [Source:HGNC Symbol;Acc:13358] [ENST00000370587]
HR	8	1,15E-02	-2,46	-1,16	-2,64	Homo sapiens hairless homolog (mouse) (HR), transcript variant 1, mRNA [NM_005144]
	2	1,79E-03	-2,46	-1,10	-1,76	lincRNA:chr2:168402979-168414804 forward strand
SAMD1	19	7,65E-04	-2,46	1,01	-2,32	Homo sapiens sterile alpha motif domain containing 1 (SAMD1), mRNA [NM_138352]

PDGFA	7	3,32E-03	-2,46	-1,05	-2,18	Homo sapiens platelet-derived growth factor alpha polypeptide (PDGFA), transcript variant 1, mRNA [NM_002607]
PLA2G12A	4	1,97E-03	-2,46	1,04	-2,43	Homo sapiens phospholipase A2, group XIIA (PLA2G12A), mRNA [NM_030821]
SLC26A2	5	7,77E-04	-2,46	1,02	-2,03	Homo sapiens solute carrier family 26 (sulfate transporter), member 2 (SLC26A2), mRNA [NM_000112]
BCL11B	14	2,25E-03	-2,46	1,08	-2,20	Homo sapiens B-cell CLL/lymphoma 11B (zinc finger protein) (BCL11B), transcript variant 1, mRNA [NM_138576]
SERPINE1	7	1,03E-03	-2,46	1,01	-2,33	Homo sapiens serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1 (SERPINE1), transcript variant 1, mRNA [NM_000602]
	11	4,99E-03	-2,46	-1,11	-1,76	lincRNA:chr11:17364949-17372674 forward strand
FZD3	8	2,60E-03	-2,46	1,08	-2,07	Homo sapiens frizzled family receptor 3 (FZD3), transcript variant 1, mRNA [NM_017412]
LOC157562	8	4,06E-03	-2,45	-1,16	-2,16	Homo sapiens mRNA; cDNA DKFZp686N0244 (from clone DKFZp686N0244). [BX649145]
NFIA	1	1,94E-03	-2,45	-1,01	-2,06	Homo sapiens nuclear factor I/A (NFIA), transcript variant 2, mRNA [NM_005595]
CNTRL	9	2,88E-02	-2,45	-1,11	-1,79	Homo sapiens centriolin (CNTRL), mRNA [NM_007018]
RFC3	13	8,24E-03	-2,45	-1,04	-2,21	Homo sapiens replication factor C (activator 1) 3, 38kDa (RFC3), transcript variant 1, mRNA [NM_002915]
BCL2L10	15	1,19E-03	-2,45	1,05	-2,14	Homo sapiens BCL2-like 10 (apoptosis facilitator) (BCL2L10), mRNA [NM_020396]

FAM49A	2	3,52E-04	-2,45	-1,33	-2,77	Homo sapiens family with sequence similarity 49, member A (FAM49A), mRNA [NM_030797]
LOC100270746	6	2,97E-03	-2,45	1,02	-2,23	Homo sapiens hypothetical LOC100270746 (LOC100270746), non-coding RNA [NR_026776]
PPP2R2B	5	1,54E-03	-2,45	-1,08	-2,15	Homo sapiens protein phosphatase 2, regulatory subunit B, beta (PPP2R2B), transcript variant 1, mRNA [NM_004576]
DHDH	19	1,05E-02	-2,45	-1,04	-2,28	Homo sapiens dihydrodiol dehydrogenase (dimeric) (DHDH), mRNA [NM_014475]
	7	6,53E-03	-2,44	-1,16	-2,25	lincRNA:chr7:79088255-79100366 forward strand
NADKD1	5	1,74E-03	-2,44	-1,24	-2,32	Homo sapiens NAD kinase domain containing 1 (NADKD1), transcript variant 1, mRNA [NM_001085411]
SOCS2	12	1,02E-05	-2,44	1,05	-2,29	Homo sapiens suppressor of cytokine signaling 2 (SOCS2), mRNA [NM_003877]
DKFZp434J0226	19	1,15E-02	-2,44	-1,42	-2,95	Homo sapiens hypothetical LOC93429 (DKFZp434J0226), non-coding RNA [NR_027003]
MITF	3	1,17E-03	-2,44	-1,07	-2,42	Homo sapiens microphthalmia-associated transcription factor (MITF), transcript variant 1, mRNA [NM_198159]
ZNF331	19	2,66E-03	-2,44	1,03	-2,32	Homo sapiens zinc finger protein 331 (ZNF331), transcript variant 1, mRNA [NM_018555]
CHML	1	5,34E-05	-2,44	1,02	-2,01	Homo sapiens choroideremia-like (Rab escort protein 2) (CHML), mRNA [NM_001821]
	3	4,71E-05	-2,44	-1,12	-2,22	lincRNA:chr3:112308735-112318605 reverse strand
C3orf18	3	8,56E-04	-2,43	-1,04	-2,36	Homo sapiens chromosome 3 open reading frame 18 (C3orf18), transcript variant 1, mRNA [NM_016210]
LOC729680	13	1,14E-03	-2,43	1,03	-1,83	full-length cDNA

						clone CS0DI028YF10 of Placenta Cot 25-normalized of Homo sapiens (human). [CR596712]
SLC9A2	2	8,24E-03	-2,43	-1,23	-1,71	Homo sapiens solute carrier family 9 (sodium/hydrogen exchanger), member 2 (SLC9A2), mRNA [NM_003048]
	3	2,22E-03	-2,43	1,04	-2,12	lincRNA:chr3:171506370-171528740 reverse strand
ADCK3	1	9,03E-03	-2,43	1,06	-2,25	Homo sapiens aarF domain containing kinase 3 (ADCK3), nuclear gene encoding mitochondrial protein, mRNA [NM_020247]
PLXDC2	10	2,71E-03	-2,43	1,08	-2,86	Homo sapiens plexin domain containing 2 (PLXDC2), mRNA [NM_032812]
RADIL	7	2,57E-03	-2,43	-1,00	-2,30	Homo sapiens Ras association and DIL domains (RADIL), mRNA [NM_018059]
ANKRD32	5	3,88E-03	-2,42	1,00	-2,10	Homo sapiens ankyrin repeat domain 32 (ANKRD32), mRNA [NM_032290]
CHST10	2	1,44E-02	-2,42	-1,16	-2,04	Homo sapiens carbohydrate sulfotransferase 10 (CHST10), mRNA [NM_004854]
MLF1IP	4	2,28E-02	-2,42	1,01	-2,17	Homo sapiens MLF1 interacting protein (MLF1IP), mRNA [NM_024629]
CAMK2N1	1	6,41E-04	-2,42	-1,11	-2,27	Homo sapiens calcium/calmodulin-dependent protein kinase II inhibitor 1 (CAMK2N1), mRNA [NM_018584]
SUV420H2	19	5,97E-05	-2,42	-1,11	-2,21	Homo sapiens suppressor of variegation 4-20 homolog 2 (Drosophila) (SUV420H2), mRNA [NM_032701]
TACC2	10	1,17E-02	-2,42	-1,07	-2,52	Homo sapiens transforming, acidic coiled-coil containing protein 2 (TACC2), transcript variant 1, mRNA [NM_206862]
MLLT11	1	2,32E-04	-2,42	1,09	-2,22	Homo sapiens myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog,

						Drosophila); translocated to, 11 (MLLT11), mRNA [NM_006818]
DDX11	12	4,78E-03	-2,42	-1,16	-1,92	Homo sapiens DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 11 (DDX11), transcript variant 3, mRNA [NM_152438]
	X	2,44E-02	-2,41	1,03	-2,19	lincRNA:chrX:45897556-45923781 reverse strand
SPATA13	13	4,57E-03	-2,41	-1,27	-2,10	Homo sapiens spermatogenesis associated 13 (SPATA13), transcript variant 1, mRNA [NM_001166271]
MEGF9	9	1,22E-03	-2,41	1,12	-2,30	Homo sapiens multiple EGF-like-domains 9 (MEGF9), mRNA [NM_001080497]
ANKRD16	10	7,30E-04	-2,41	-1,02	-1,89	Homo sapiens ankyrin repeat domain 16 (ANKRD16), transcript variant 2, mRNA [NM_001009941]
CHAF1B	21	6,24E-03	-2,41	1,01	-2,14	Homo sapiens chromatin assembly factor 1, subunit B (p60) (CHAF1B), mRNA [NM_005441]
ZNF554	19	4,09E-02	-2,41	-1,03	-1,52	Homo sapiens zinc finger protein 554 (ZNF554), mRNA [NM_001102651]
KITLG	12	4,54E-02	-2,40	1,29	-2,25	Homo sapiens KIT ligand (KITLG), transcript variant b, mRNA [NM_000899]
KCNMA1	10	2,73E-02	-2,40	-1,17	-2,19	Homo sapiens potassium large conductance calcium-activated channel, subfamily M, alpha member 1 (KCNMA1), transcript variant 2, mRNA [NM_002247]
SPATA19	11	2,40E-02	-2,40	1,11	-2,05	Homo sapiens spermatogenesis associated 19 (SPATA19), mRNA [NM_174927]
SYN2	3	4,18E-02	-2,40	-1,11	-2,86	Homo sapiens synapsin II (SYN2), transcript variant IIa, mRNA [NM_133625]
ZNF488	10	1,68E-05	-2,40	1,04	-2,32	Homo sapiens zinc finger protein 488 (ZNF488), mRNA [NM_153034]
EPHB2	1	1,04E-03	-2,40	-1,03	-2,24	Homo sapiens EPH

						receptor B2 (EPHB2), transcript variant 2, mRNA [NM_004442]
FZD8	10	2,05E-03	-2,40	-1,11	-2,04	Homo sapiens frizzled family receptor 8 (FZD8), mRNA [NM_031866]
ZNF730	19	8,63E-03	-2,40	1,32	-1,53	zinc finger protein 730 [Source:HGNC Symbol;Acc:32470] [ENST00000327867]
ST3GAL5	2	8,15E-04	-2,40	-1,07	-2,23	Homo sapiens ST3 beta-galactoside alpha-2,3-sialyltransferase 5 (ST3GAL5), transcript variant 1, mRNA [NM_003896]
LOC100129550	3	6,37E-04	-2,40	-1,02	-2,16	Homo sapiens hypothetical LOC100129550 (LOC100129550), non-coding RNA [NR_024618]
PSG5	19	2,25E-02	-2,40	1,10	-3,10	Homo sapiens pregnancy specific beta-1-glycoprotein 5 (PSG5), transcript variant 2, mRNA [NM_001130014]
EFCAB11	14	1,35E-02	-2,40	-1,19	-1,22	EF-hand calcium binding domain 11 [Source:HGNC Symbol;Acc:20357] [ENST00000316738]
GLS	2	1,24E-06	-2,40	1,06	-2,57	Homo sapiens glutaminase (GLS), nuclear gene encoding mitochondrial protein, mRNA [NM_014905]
ZNF556	19	3,29E-03	-2,40	1,11	-1,95	Homo sapiens zinc finger protein 556 (ZNF556), mRNA [NM_024967]
CENPM	22	2,10E-02	-2,39	-1,04	-2,13	Homo sapiens centromere protein M (CENPM), transcript variant 1, mRNA [NM_024053]
LRP4	11	3,80E-03	-2,39	1,06	-2,37	Homo sapiens low density lipoprotein receptor-related protein 4 (LRP4), mRNA [NM_002334]
CERS1	19	2,70E-03	-2,39	-1,07	-2,41	Homo sapiens ceramide synthase 1 (CERS1), transcript variant 2, mRNA [NM_198207]
SCN2B	11	7,34E-03	-2,39	1,02	-2,44	Homo sapiens sodium channel, voltage-gated, type II, beta (SCN2B), mRNA [NM_004588]
ACACB	12	1,47E-03	-2,39	1,02	-2,12	Homo sapiens acetyl-CoA

						carboxylase beta (ACACB), mRNA [NM_001093]
VPS37D	7	2,44E-05	-2,39	1,12	-1,95	Homo sapiens vacuolar protein sorting 37 homolog D (S. cerevisiae) (VPS37D), mRNA [NM_001077621]
MCM5	22	7,00E-03	-2,39	1,08	-2,32	Homo sapiens minichromosome maintenance complex component 5 (MCM5), mRNA [NM_006739]
SRSF12	6	1,09E-02	-2,39	1,22	-2,50	Homo sapiens serine/arginine-rich splicing factor 12 (SRSF12), mRNA [NM_080743]
ACPP	3	2,45E-03	-2,39	-1,05	-3,66	Homo sapiens acid phosphatase, prostate (ACPP), transcript variant 1, mRNA [NM_001099]
PDPR	16	2,94E-02	-2,39	-1,56	-1,73	Homo sapiens pyruvate dehydrogenase phosphatase regulatory subunit (PDPR), mRNA [NM_017990]
ZNF814	19	1,81E-04	-2,39	-1,06	-1,90	Homo sapiens zinc finger protein 814 (ZNF814), mRNA [NM_001144989]
CNTRL	9	3,70E-02	-2,38	-1,19	-2,71	centrosomal protein 110kDa [Source:HGNC Symbol;Acc:1858] [ENST00000373844]
PHTF2	7	1,61E-03	-2,38	-1,05	-2,11	Homo sapiens putative homeodomain transcription factor 2 (PHTF2), transcript variant 2, mRNA [NM_020432]
KIF11	10	2,48E-02	-2,38	-1,01	-1,93	Homo sapiens kinesin family member 11 (KIF11), mRNA [NM_004523]
SNX31	8	6,77E-03	-2,38	-1,44	-2,82	Homo sapiens sorting nexin 31 (SNX31), mRNA [NM_152628]
	X	1,21E-02	-2,38	-2,58	-4,55	lincRNA:chrX:73050901-73051109 forward strand
JMY	5	9,60E-03	-2,38	-1,06	-2,12	Homo sapiens junction mediating and regulatory protein, p53 cofactor (JMY), mRNA [NM_152405]
RAB30	11	4,27E-04	-2,38	1,09	-2,12	Homo sapiens RAB30, member RAS oncogene family (RAB30),

						mRNA [NM_014488]
DDHD1	14	3,40E-02	-2,38	-1,25	-2,22	Homo sapiens DDHD domain containing 1 (DDHD1), transcript variant 1, mRNA [NM_030637]
MCM2	3	7,90E-03	-2,37	1,09	-2,38	Homo sapiens minichromosome maintenance complex component 2 (MCM2), mRNA [NM_004526]
STARD13	13	2,29E-02	-2,37	-1,21	-2,01	StAR-related lipid transfer (START) domain containing 13 [Source:HGNC Symbol;Acc:19164] [ENST00000487412]
PCSK9	1	9,30E-03	-2,37	1,06	-1,80	Homo sapiens proprotein convertase subtilisin/kexin type 9 (PCSK9), mRNA [NM_174936]
SACS	13	1,92E-03	-2,37	-1,11	-1,72	Homo sapiens spastic ataxia of Charlevoix-Saguenay (sacsin) (SACS), mRNA [NM_014363]
	2	3,14E-02	-2,37	-2,13	-1,70	lincRNA:chr2:47558914-47559517 reverse strand
GPSM2	1	1,69E-03	-2,37	1,02	-2,30	Homo sapiens G-protein signaling modulator 2 (GPSM2), mRNA [NM_013296]
MMP15	16	8,65E-06	-2,36	1,04	-2,25	Homo sapiens matrix metallopeptidase 15 (membrane-inserted) (MMP15), mRNA [NM_002428]
ZNF569	19	1,29E-02	-2,36	1,06	-1,80	Homo sapiens zinc finger protein 569 (ZNF569), mRNA [NM_152484]
	X	1,43E-04	-2,36	1,04	-1,96	high mobility group box 3 pseudogene 30 [Source:HGNC Symbol;Acc:39333] [ENST00000395427]
CSRP2BP	20	9,43E-04	-2,36	-1,12	-2,22	Homo sapiens CSRP2 binding protein (CSRP2BP), transcript variant 1, mRNA [NM_020536]
KAL1	X	3,03E-04	-2,36	1,16	-2,38	Homo sapiens Kallmann syndrome 1 sequence (KAL1), mRNA [NM_000216]
PCDHA11	5	8,14E-03	-2,36	-1,04	-2,20	Homo sapiens protocadherin alpha 11 (PCDHA11), transcript variant 1, mRNA [NM_018902]
	7	6,95E-04	-2,35	-1,08	-2,50	lincRNA:chr7:80756989-80894339 forward

						strand
KIF23	15	2,71E-02	-2,35	-1,04	-1,90	Homo sapiens kinesin family member 23 (KIF23), transcript variant 1, mRNA [NM_138555]
	6	1,87E-02	-2,35	-1,38	-1,99	lincRNA:chr6:3708951-3719951 forward strand
SCN7A	2	1,10E-02	-2,35	-1,52	-2,03	Homo sapiens sodium channel, voltage-gated, type VII, alpha (SCN7A), mRNA [NM_002976]
ZNF239	10	2,66E-02	-2,35	-1,14	-1,66	Homo sapiens zinc finger protein 239 (ZNF239), transcript variant 1, mRNA [NM_005674]
ABCA1	9	4,80E-03	-2,35	1,02	-1,93	Homo sapiens ATP-binding cassette, sub-family A (ABC1), member 1 (ABCA1), mRNA [NM_005502]
	2	1,83E-02	-2,35	-1,85	-1,35	Homo sapiens cDNA FLJ43215 fis, clone FEBRA2021908. [AK125205]
	21	7,99E-03	-2,35	-1,24	-2,10	lincRNA:chr21:44922353-44923757 reverse strand
CTDSPL	3	2,50E-04	-2,35	-1,02	-2,16	Homo sapiens CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like (CTDSPL), transcript variant 1, mRNA [NM_001008392]
CD244	1	5,93E-04	-2,35	-1,16	-2,04	Homo sapiens CD244 molecule, natural killer cell receptor 2B4 (CD244), transcript variant 2, mRNA [NM_001166663]
LTC4S	5	1,04E-03	-2,35	-1,35	-2,45	Homo sapiens leukotriene C4 synthase (LTC4S), mRNA [NM_145867]
CXCR7	2	7,89E-03	-2,35	-1,12	-2,07	Homo sapiens chemokine (C-X-C motif) receptor 7 (CXCR7), mRNA [NM_020311]
THRB	3	1,72E-02	-2,35	-1,75	-2,43	Homo sapiens thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2, avian) (THRB), transcript variant 3, mRNA [NM_001128177]
LOC283861	16	4,35E-04	-2,35	1,05	-2,09	Homo sapiens cDNA FLJ40824 fis, clone TRACH2011113.

						[AK098143]
TRIM2	4	6,34E-03	-2,35	-1,21	-3,18	Homo sapiens tripartite motif containing 2 (TRIM2), transcript variant 1, mRNA [NM_015271]
PCNA	20	2,87E-02	-2,35	1,07	-2,25	Homo sapiens proliferating cell nuclear antigen (PCNA), transcript variant 1, mRNA [NM_002592]
SFTA3	14	1,16E-03	-2,34	-1,15	-2,28	Homo sapiens surfactant associated 3 (SFTA3), mRNA [NM_001101341]
TMEM139	7	8,19E-06	-2,34	-1,00	-1,97	Homo sapiens transmembrane protein 139 (TMEM139), transcript variant 1, mRNA [NM_153345]
SH3PXD2B	5	4,72E-03	-2,34	-1,04	-2,13	Homo sapiens SH3 and PX domains 2B (SH3PXD2B), mRNA [NM_001017995]
NAV2	11	3,35E-03	-2,34	-1,25	-2,26	Homo sapiens neuron navigator 2 (NAV2), transcript variant 1, mRNA [NM_182964]
HSD17B6	12	3,85E-02	-2,34	1,54	-1,49	Homo sapiens hydroxysteroid (17-beta) dehydrogenase 6 homolog (mouse) (HSD17B6), mRNA [NM_003725]
LOC439911	10	1,79E-03	-2,34	-1,01	-2,01	Homo sapiens cDNA FLJ45542 fis, clone BRTHA2033320. [AK127450]
DAAM1	14	1,87E-04	-2,34	1,00	-2,32	Homo sapiens dishevelled associated activator of morphogenesis 1 (DAAM1), mRNA [NM_014992]
UNG	12	1,25E-02	-2,34	1,02	-2,05	Homo sapiens uracil-DNA glycosylase (UNG), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_003362]
ZNF248	10	2,42E-02	-2,34	1,01	-2,13	Homo sapiens zinc finger protein 248 (ZNF248), mRNA [NM_021045]
RPGRIP1L	16	9,21E-03	-2,34	-1,09	-1,95	Homo sapiens RPGRIP1-like (RPGRIP1L), transcript variant 1, mRNA [NM_015272]
ZNF69	19	1,15E-03	-2,33	1,13	-2,03	Homo sapiens zinc finger protein 69 (ZNF69), mRNA [NM_021915]

LOC643551	13	2,02E-02	-2,33	-1,53	-2,17	Homo sapiens cDNA FLJ46123 fis, clone TESTI2039738. [AK128004]
BAI2	1	7,75E-03	-2,33	-1,32	-2,21	Homo sapiens brain-specific angiogenesis inhibitor 2 (BAI2), mRNA [NM_001703]
NAP1L5	4	2,18E-04	-2,33	-1,05	-2,37	Homo sapiens nucleosome assembly protein 1-like 5 (NAP1L5), mRNA [NM_153757]
WDR52	3	9,42E-04	-2,33	-1,03	-1,82	Homo sapiens WD repeat domain 52 (WDR52), transcript variant 2, mRNA [NM_018338]
TYMS	18	4,00E-02	-2,33	1,06	-1,93	Homo sapiens thymidylate synthetase (TYMS), mRNA [NM_001071]
EPHB2	1	2,22E-04	-2,33	-1,10	-2,17	Homo sapiens EPH receptor B2 (EPHB2), transcript variant 2, mRNA [NM_004442]
PDXP	22	5,05E-04	-2,33	1,04	-2,05	Homo sapiens pyridoxal (pyridoxine, vitamin B6) phosphatase (PDXP), mRNA [NM_020315]
MBLAC2	5	9,81E-03	-2,33	1,08	-2,11	Homo sapiens metallo-beta-lactamase domain containing 2 (MBLAC2), mRNA [NM_203406]
XLOC_011183	15	4,90E-05	-2,33	1,02	-2,12	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
	4	6,62E-03	-2,32	-1,05	-2,25	lincRNA:chr4:90603427-90616902 forward strand
HIST1H4L	6	1,65E-03	-2,32	-1,04	-2,07	Homo sapiens histone cluster 1, H4l (HIST1H4L), mRNA [NM_003546]
	6	5,09E-04	-2,32	-1,12	-1,92	lincRNA:chr6:111594332-111604057 forward strand
ZNF43	19	2,08E-03	-2,32	-1,20	-2,15	Homo sapiens zinc finger protein 43 (ZNF43), mRNA [NM_003423]
BNIPL	1	1,29E-02	-2,32	-1,47	-3,09	Homo sapiens BCL2/adenovirus E1B 19kD interacting protein like (BNIPL), transcript variant 2, mRNA [NM_001159642]
GATS	7	1,41E-03	-2,32	-1,09	-2,56	Homo sapiens GATS, stromal antigen 3 opposite strand (GATS),

						transcript variant 2, non-coding RNA [NR_028038]
LOC100131727	4	1,39E-02	-2,32	-1,10	-1,65	PREDICTED: Homo sapiens hypothetical protein LOC100131727 (LOC100131727), mRNA [XM_001723766]
BCL11A	2	1,42E-04	-2,32	-1,00	-1,95	Homo sapiens B-cell CLL/lymphoma 11A (zinc finger protein) (BCL11A), transcript variant 2, mRNA [NM_018014]
XLOC_012197	17	2,35E-04	-2,32	1,11	-1,89	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
NEK2	1	2,29E-02	-2,31	-1,17	-2,42	Homo sapiens NIMA (never in mitosis gene a)-related kinase 2 (NEK2), transcript variant 1, mRNA [NM_002497]
	3	1,57E-03	-2,31	-1,20	-2,22	lincRNA:chr3:58606885-58616610 forward strand
LYL1	19	3,00E-02	-2,31	-1,20	-1,87	Homo sapiens lymphoblastic leukemia derived sequence 1 (LYL1), mRNA [NM_005583]
KCNMB4	12	2,11E-03	-2,31	1,05	-2,36	Homo sapiens potassium large conductance calcium-activated channel, subfamily M, beta member 4 (KCNMB4), mRNA [NM_014505]
TRAM2	6	1,52E-03	-2,31	-1,04	-2,35	Homo sapiens translocation associated membrane protein 2 (TRAM2), mRNA [NM_012288]
ID2	2	1,32E-02	-2,31	-1,35	-2,19	Homo sapiens inhibitor of DNA binding 2, dominant negative helix-loop-helix protein (ID2), mRNA [NM_002166]
ZNF248	10	1,03E-03	-2,31	-1,13	-2,13	Homo sapiens zinc finger protein 248 (ZNF248), mRNA [NM_021045]
PDZD8	10	4,99E-06	-2,31	-1,16	-2,11	Homo sapiens PDZ domain containing 8 (PDZD8), mRNA [NM_173791]
FHOD3	18	7,38E-04	-2,31	1,03	-2,02	Homo sapiens formin homology 2 domain containing 3 (FHOD3), mRNA [NM_025135]

EME1	17	2,95E-03	-2,31	-1,16	-2,03	Homo sapiens essential meiotic endonuclease 1 homolog 1 (S. pombe) (EME1), transcript variant 2, mRNA [NM_152463]
CCP110	16	1,01E-02	-2,31	1,04	-1,96	Homo sapiens centriolar coiled coil protein 110kDa (CCP110), transcript variant 2, mRNA [NM_014711]
PBXIP1	1	2,61E-02	-2,31	-1,12	-1,98	Homo sapiens pre-B-cell leukemia homeobox interacting protein 1 (PBXIP1), mRNA [NM_020524]
FADS1	11	3,92E-05	-2,31	1,03	-2,10	Homo sapiens fatty acid desaturase 1 (FADS1), mRNA [NM_013402]
DBIL5P	17	6,02E-05	-2,31	-1,05	-2,16	Homo sapiens diazepam binding inhibitor-like 5, pseudogene (DBIL5P), non-coding RNA [NR_024120]
	8	9,15E-06	-2,30	1,04	-2,11	lincRNA:chr8:92071874-92082224 reverse strand
PDLIM3	4	4,64E-02	-2,30	1,13	-2,67	Homo sapiens PDZ and LIM domain 3 (PDLIM3), transcript variant 1, mRNA [NM_014476]
LOC100128881	16	1,42E-03	-2,30	1,00	-1,92	Homo sapiens hypothetical LOC100128881 (LOC100128881), non-coding RNA [NR_036480]
ASF1B	19	7,38E-03	-2,30	1,01	-2,04	Homo sapiens ASF1 anti-silencing function 1 homolog B (S. cerevisiae) (ASF1B), mRNA [NM_018154]
TNNT3	11	1,24E-02	-2,30	-1,38	-1,90	Homo sapiens troponin T type 3 (skeletal, fast) (TNNT3), transcript variant 1, mRNA [NM_006757]
	8	4,25E-03	-2,30	-1,18	-1,99	lincRNA:chr8:102179030-102181086 reverse strand
GLYAT	11	2,87E-02	-2,30	-1,61	-1,71	Homo sapiens glycine-N-acyltransferase (GLYAT), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_201648]
C14orf132	14	3,89E-02	-2,30	1,08	-2,62	Homo sapiens

						chromosome 14 open reading frame 132 (C14orf132), non-coding RNA [NR_023938]
CDR2L	17	8,40E-03	-2,30	-1,01	-2,44	Homo sapiens cerebellar degeneration-related protein 2-like (CDR2L), mRNA [NM_014603]
ZBED5	11	1,41E-06	-2,30	-1,05	-2,28	Homo sapiens zinc finger, BED-type containing 5 (ZBED5), transcript variant 1, mRNA [NM_021211]
FAM108B1	9	1,11E-03	-2,29	-1,35	-2,20	Homo sapiens family with sequence similarity 108, member B1 (FAM108B1), transcript variant 1, mRNA [NM_016014]
DFNB59	2	2,79E-03	-2,29	1,17	-2,05	Homo sapiens deafness, autosomal recessive 59 (DFNB59), mRNA [NM_001042702]
ATG9B	7	4,64E-02	-2,29	-2,62	-2,78	Homo sapiens ATG9 autophagy related 9 homolog B (S. cerevisiae) (ATG9B), mRNA [NM_173681]
SPATA6	1	1,23E-02	-2,29	1,00	-2,06	Homo sapiens spermatogenesis associated 6 (SPATA6), mRNA [NM_019073]
PCNA	20	2,72E-02	-2,29	1,02	-2,04	Homo sapiens proliferating cell nuclear antigen (PCNA), transcript variant 1, mRNA [NM_002592]
KIT	4	1,57E-02	-2,29	-1,11	-2,19	Homo sapiens v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT), transcript variant 2, mRNA [NM_001093772]
BRD3	9	7,00E-04	-2,29	-1,07	-2,16	Homo sapiens bromodomain containing 3 (BRD3), mRNA [NM_007371]
	3	9,63E-03	-2,29	-1,40	-1,76	PREDICTED: Homo sapiens similar to PRO0641 (LOC100130401), mRNA [XM_003118519]
ELAVL2	9	4,26E-03	-2,29	1,14	-1,61	Homo sapiens ELAV (embryonic lethal, abnormal vision, Drosophila)-like 2 (Hu antigen B) (ELAVL2), transcript variant 1, mRNA

						[NM_004432]
LRRC2	3	7,48E-03	-2,28	1,11	-1,68	Homo sapiens leucine rich repeat containing 2 (LRRC2), mRNA [NM_024512]
PLCB2	15	1,17E-05	-2,28	1,16	-1,57	Homo sapiens phospholipase C, beta 2 (PLCB2), mRNA [NM_004573]
COL5A2	2	7,19E-03	-2,28	-1,05	-1,99	Homo sapiens collagen, type V, alpha 2 (COL5A2), mRNA [NM_000393]
TPM1	15	5,55E-04	-2,28	-1,11	-2,37	Homo sapiens tropomyosin 1 (alpha) (TPM1), transcript variant 3, mRNA [NM_001018004]
VSIG10L	19	4,44E-02	-2,28	-1,85	-3,59	Homo sapiens V-set and immunoglobulin domain containing 10 like (VSIG10L), mRNA [NM_001163922]
	6	7,83E-05	-2,28	1,21	-3,18	Homo sapiens cDNA FLJ30604 fis, clone CD34C2000152. [AK055166]
FAM64A	17	1,50E-02	-2,28	1,18	-1,82	Homo sapiens family with sequence similarity 64, member A (FAM64A), transcript variant 2, mRNA [NM_001195228]
BICD1	12	4,12E-04	-2,28	-1,21	-2,16	Homo sapiens bicaudal D homolog 1 (Drosophila) (BICD1), transcript variant 1, mRNA [NM_001714]
XLOC_008373	10	2,48E-03	-2,28	1,16	-1,90	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
HIST1H4C	6	1,24E-03	-2,28	-1,00	-1,99	Homo sapiens histone cluster 1, H4c (HIST1H4C), mRNA [NM_003542]
LOC441025	4	1,91E-02	-2,27	-1,61	-1,39	Homo sapiens hypothetical LOC441025 (LOC441025), non-coding RNA [NR_033964]
CASP6	4	5,19E-04	-2,27	1,12	-2,20	Homo sapiens caspase 6, apoptosis-related cysteine peptidase (CASP6), transcript variant alpha, mRNA

						[NM_001226]
ALS2	2	2,45E-03	-2,27	-1,16	-1,99	amyotrophic lateral sclerosis 2 (juvenile) [Source:HGNC Symbol;Acc:443] [ENST00000410052]
SUV39H1	X	1,63E-03	-2,27	-1,08	-2,15	Homo sapiens suppressor of variegation 3-9 homolog 1 (Drosophila) (SUV39H1), mRNA [NM_003173]
FAM78A	9	4,32E-02	-2,27	1,04	-1,80	Homo sapiens family with sequence similarity 78, member A (FAM78A), mRNA [NM_033387]
CEP97	3	2,48E-03	-2,27	-1,14	-2,12	Homo sapiens centrosomal protein 97kDa (CEP97), mRNA [NM_024548]
NFATC3	16	8,62E-04	-2,27	1,06	-2,08	Homo sapiens nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3 (NFATC3), transcript variant 1, mRNA [NM_173165]
	19	6,67E-06	-2,27	1,03	-2,61	lincRNA:chr19:56806434-56816195 forward strand
ABHD6	3	1,10E-02	-2,27	-1,09	-2,44	Homo sapiens abhydrolase domain containing 6 (ABHD6), mRNA [NM_020676]
NRARP	9	1,40E-03	-2,27	-1,12	-2,12	Homo sapiens NOTCH-regulated ankyrin repeat protein (NRARP), mRNA [NM_001004354]
ZDHHC8P1	22	3,48E-02	-2,27	-1,29	-1,84	Homo sapiens zinc finger, DHHC-type containing 8 pseudogene 1 (ZDHHC8P1), non-coding RNA [NR_003950]
ATAD2	8	1,12E-02	-2,27	-1,10	-2,14	Homo sapiens ATPase family, AAA domain containing 2 (ATAD2), mRNA [NM_014109]
WNT3	17	7,76E-04	-2,27	-1,15	-1,98	Homo sapiens wingless-type MMTV integration site family, member 3 (WNT3), mRNA [NM_030753]

	5	1,17E-04	-2,27	-1,33	-2,31	lincRNA:chr5:71663683-71664222 forward strand
TEPP	16	3,19E-05	-2,27	1,13	-1,74	Homo sapiens testis, prostate and placenta expressed (TEPP), transcript variant 1, mRNA [NM_199046]
GPR155	2	4,54E-03	-2,27	1,13	-2,23	Homo sapiens G protein-coupled receptor 155 (GPR155), transcript variant 9, mRNA [NM_001033045]
PLA2G12B	10	3,08E-02	-2,27	-1,59	-1,41	Homo sapiens phospholipase A2, group XIIB (PLA2G12B), mRNA [NM_032562]
CREG2	2	5,44E-03	-2,27	1,01	-2,39	Homo sapiens cellular repressor of E1A-stimulated genes 2 (CREG2), mRNA [NM_153836]
MCM7	7	1,34E-02	-2,27	1,10	-1,98	Homo sapiens minichromosome maintenance complex component 7 (MCM7), transcript variant 2, mRNA [NM_182776]
PAQR7	1	9,22E-05	-2,26	-1,14	-2,24	Homo sapiens progestin and adipoQ receptor family member VII (PAQR7), mRNA [NM_178422]
ARL4A	7	2,48E-04	-2,26	-1,08	-2,15	Homo sapiens ADP-ribosylation factor-like 4A (ARL4A), transcript variant 1, mRNA [NM_005738]
	10	3,19E-02	-2,26	-1,02	-2,64	Homo sapiens cDNA FLJ46692 fis, clone TRACH3012718. [AK128534]
MITF	3	2,95E-03	-2,26	1,02	-2,23	Homo sapiens microphthalmia-associated transcription factor (MITF), transcript variant 1, mRNA [NM_198159]
SMPDL3A	6	7,97E-04	-2,26	1,00	-2,31	Homo sapiens sphingomyelin phosphodiesterase, acid-like 3A (SMPDL3A), mRNA [NM_006714]
LEKR1	3	3,17E-02	-2,26	-1,03	-2,68	Homo sapiens cDNA FLJ37161 fis, clone BRACE2026725. [AK094480]

PPARGC1A	4	4,14E-02	-2,26	-1,10	-2,06	Homo sapiens peroxisome proliferator-activated receptor gamma, coactivator 1 alpha (PPARGC1A), mRNA [NM_013261]
TP53AIP1	11	1,68E-03	-2,26	1,16	-2,45	Homo sapiens tumor protein p53 regulated apoptosis inducing protein 1 (TP53AIP1), transcript variant 2, mRNA [NM_001195195]
GCLC	6	5,46E-05	-2,26	-1,10	-2,04	Homo sapiens glutamate-cysteine ligase, catalytic subunit (GCLC), transcript variant 1, mRNA [NM_001498]
NGEF	2	1,76E-02	-2,26	-1,41	-2,76	Homo sapiens neuronal guanine nucleotide exchange factor (NGEF), transcript variant 1, mRNA [NM_019850]
FLJ27352	15	1,60E-03	-2,26	1,12	-2,25	Homo sapiens hypothetical LOC145788 (FLJ27352), mRNA [NM_001198784]
ZC4H2	X	1,61E-03	-2,26	-1,00	-2,17	Homo sapiens zinc finger, C4H2 domain containing (ZC4H2), transcript variant 1, mRNA [NM_018684]
TMSB15B	X	2,08E-03	-2,26	1,10	-2,00	Homo sapiens thymosin beta 15B (TMSB15B), mRNA [NM_194324]
AKR7L	1	3,07E-02	-2,26	-1,62	-3,36	Homo sapiens aldo-keto reductase family 7-like (AKR7L), transcript variant 1, non-coding RNA [NR_040288]
PP14571	2	1,25E-02	-2,26	-1,44	-2,74	Homo sapiens hypothetical LOC100130449 (PP14571), non-coding RNA [NR_024014]
PIP5K1B	9	8,80E-03	-2,26	-1,47	-2,71	Homo sapiens phosphatidylinositol-4-phosphate 5-kinase, type I, beta (PIP5K1B), transcript variant 2, mRNA [NM_003558]
ZFP30	19	4,11E-03	-2,26	-1,00	-1,80	Homo sapiens zinc finger protein 30 homolog (mouse) (ZFP30), mRNA [NM_014898]
HIRIP3	16	2,31E-03	-2,26	-1,00	-1,93	Homo sapiens HIRA interacting protein 3 (HIRIP3), mRNA [NM_003609]

TONSL	8	9,94E-04	-2,26	-1,00	-2,01	Homo sapiens tonsoku-like, DNA repair protein (TONSL), mRNA [NM_013432]
AQP6	12	2,70E-03	-2,26	-1,06	-2,82	Homo sapiens aquaporin 6, kidney specific (AQP6), mRNA [NM_001652]
MANEAL	1	2,98E-02	-2,26	1,05	-1,97	Homo sapiens mannosidase, endo-alpha-like (MANEAL), transcript variant 1, mRNA [NM_001031740]
ARL4A	7	1,55E-04	-2,26	-1,15	-2,01	Homo sapiens ADP-ribosylation factor-like 4A (ARL4A), transcript variant 1, mRNA [NM_005738]
DOCK11	X	4,38E-03	-2,26	-1,12	-1,94	Homo sapiens dedicator of cytokinesis 11 (DOCK11), mRNA [NM_144658]
TRPS1	8	3,98E-03	-2,26	-1,26	-2,06	Homo sapiens trichorhinophalangeal syndrome I (TRPS1), mRNA [NM_014112]
KLHL24	3	9,89E-03	-2,25	1,06	-1,98	Homo sapiens kelch-like 24 (Drosophila) (KLHL24), mRNA [NM_017644]
ACTR3B	7	1,07E-03	-2,25	-1,03	-2,14	Homo sapiens ARP3 actin-related protein 3 homolog B (yeast) (ACTR3B), transcript variant 1, mRNA [NM_020445]
ZNF10	12	2,69E-03	-2,25	-1,19	-2,08	Homo sapiens zinc finger protein 10 (ZNF10), mRNA [NM_015394]
DGAT2	11	4,29E-03	-2,25	-1,39	-3,02	Homo sapiens diacylglycerol O-acyltransferase 2 (DGAT2), mRNA [NM_032564]
ZNF749	19	3,99E-03	-2,24	-1,17	-1,45	Homo sapiens zinc finger protein 749 (ZNF749), mRNA [NM_001023561]
ELOVL6	4	6,68E-05	-2,24	-1,06	-2,18	Homo sapiens ELOVL fatty acid elongase 6 (ELOVL6), transcript variant 1, mRNA [NM_024090]
GJA3	13	3,80E-02	-2,24	1,21	-2,28	Homo sapiens gap junction protein, alpha 3, 46kDa (GJA3), mRNA [NM_021954]

GPR155	2	2,11E-03	-2,24	-1,01	-2,15	Homo sapiens G protein-coupled receptor 155 (GPR155), transcript variant 9, mRNA [NM_001033045]
ZHX3	20	2,78E-04	-2,24	-1,06	-2,05	Homo sapiens zinc fingers and homeoboxes 3 (ZHX3), mRNA [NM_015035]
ATL1	14	5,04E-04	-2,24	-1,05	-2,26	Homo sapiens atlastin GTPase 1 (ATL1), transcript variant 2, mRNA [NM_181598]
PSD3	8	6,41E-03	-2,24	1,01	-2,09	Homo sapiens pleckstrin and Sec7 domain containing 3 (PSD3), transcript variant 1, mRNA [NM_015310]
TTTY2	Y	1,99E-02	-2,24	-2,14	-2,67	Homo sapiens testis-specific transcript, Y-linked 2 (non-protein coding) (TTTY2), non-coding RNA [NR_001536]
DLG1	3	4,09E-04	-2,24	-1,26	-1,99	Homo sapiens discs, large homolog 1 (Drosophila) (DLG1), transcript variant 1, mRNA [NM_001098424]
AVPI1	10	2,70E-04	-2,24	-1,06	-2,67	Homo sapiens arginine vasopressin-induced 1 (AVPI1), mRNA [NM_021732]
NEBL	10	2,58E-02	-2,24	-1,25	-2,98	Homo sapiens nebulette (NEBL), transcript variant 1, mRNA [NM_006393]
PXT1	6	3,81E-02	-2,24	-1,22	-2,15	Homo sapiens peroxisomal, testis specific 1 (PXT1), mRNA [NM_152990]
	4	1,96E-02	-2,24	1,32	-2,07	lincRNA:chr4:90602662-90615087 forward strand
ZNF469	16	6,80E-05	-2,23	-1,06	-1,87	Homo sapiens zinc finger protein 469 (ZNF469), mRNA [NM_001127464]
ZBTB7C	18	2,58E-03	-2,23	-1,24	-2,25	Homo sapiens zinc finger and BTB domain containing 7C (ZBTB7C), mRNA [NM_001039360]
SGCE	7	9,55E-03	-2,23	-1,02	-2,15	Homo sapiens sarcoglycan, epsilon (SGCE), transcript variant 1, mRNA [NM_001099401]
	2	3,70E-03	-2,23	-1,62	-1,54	Homo sapiens cDNA FLJ37235 fis, clone BRAMY2002525. [AK094554]

LRIG1	3	1,19E-03	-2,23	1,08	-2,15	Homo sapiens leucine-rich repeats and immunoglobulin-like domains 1 (LRIG1), mRNA [NM_015541]
LOC339240	17	8,61E-03	-2,23	-1,41	-2,69	Homo sapiens keratin pseudogene (LOC339240), non-coding RNA [NR_001443]
CROT	7	9,00E-03	-2,23	-1,04	-2,32	Homo sapiens carnitine O-octanoyltransferase (CROT), transcript variant 2, mRNA [NM_021151]
DHFR	5	4,19E-03	-2,23	-1,09	-1,78	Homo sapiens dihydrofolate reductase (DHFR), mRNA [NM_000791]
TRPS1	8	2,23E-03	-2,22	-1,35	-1,97	Homo sapiens trichorhinophalangeal syndrome I (TRPS1), mRNA [NM_014112]
NUDT6	4	1,30E-02	-2,22	1,08	-1,91	Homo sapiens nudix (nucleoside diphosphate linked moiety X)-type motif 6 (NUDT6), transcript variant 2, mRNA [NM_198041]
WDR63	1	1,80E-03	-2,22	1,06	-2,23	Homo sapiens WD repeat domain 63 (WDR63), mRNA [NM_145172]
C12orf24	12	1,99E-02	-2,22	-1,04	-1,67	Homo sapiens chromosome 12 open reading frame 24 (C12orf24), mRNA [NM_013300]
ELL3	15	5,00E-03	-2,22	1,29	-2,04	Homo sapiens elongation factor RNA polymerase II-like 3 (ELL3), mRNA [NM_025165]
PPARG	3	1,21E-03	-2,22	1,04	-2,33	Homo sapiens peroxisome proliferator-activated receptor gamma (PPARG), transcript variant 3, mRNA [NM_138711]
ABHD15	17	4,68E-03	-2,22	1,03	-1,90	Homo sapiens abhydrolase domain containing 15 (ABHD15), mRNA [NM_198147]
	2	2,81E-04	-2,22	1,10	-2,48	ribosomal protein L23a pseudogene 7 [Source:HGNC Symbol;Acc:17336] [ENST00000416673]
	4	1,67E-02	-2,22	-1,01	-1,65	lincRNA:chr4:53578995-53580281 reverse strand

SORBS2	4	4,84E-02	-2,22	-1,39	-2,14	Homo sapiens sorbin and SH3 domain containing 2 (SORBS2), transcript variant 2, mRNA [NM_021069]
STXBP4	17	1,30E-03	-2,22	-1,29	-1,92	Homo sapiens syntaxin binding protein 4 (STXBP4), mRNA [NM_178509]
NAT8L	4	7,35E-05	-2,22	1,35	-2,09	Homo sapiens N-acetyltransferase 8-like (GCN5-related, putative) (NAT8L), mRNA [NM_178557]
THEM4	1	1,68E-03	-2,22	-1,05	-1,85	Homo sapiens thioesterase superfamily member 4 (THEM4), mRNA [NM_053055]
	21	5,81E-05	-2,22	1,01	-1,97	lincRNA:chr21:29818746-30047176 reverse strand
	19	2,22E-03	-2,22	-1,15	-1,75	lincRNA:chr19:28268097-28296683 forward strand
SESN1	6	4,11E-03	-2,22	1,17	-2,25	Homo sapiens sestrin 1 (SESN1), transcript variant 1, mRNA [NM_014454]
HIST1H3H	6	3,65E-02	-2,21	-1,33	-2,42	Homo sapiens histone cluster 1, H3h (HIST1H3H), mRNA [NM_003536]
GPRC5C	17	1,91E-05	-2,21	1,07	-1,93	Homo sapiens G protein-coupled receptor, family C, group 5, member C (GPRC5C), transcript variant 1, mRNA [NM_022036]
ZNF833P	19	1,44E-02	-2,21	-1,62	-2,10	Homo sapiens zinc finger protein 833, pseudogene (ZNF833P), non-coding RNA [NR_028594]
RMI1	9	1,49E-02	-2,21	-1,02	-1,89	Homo sapiens RMI1, RecQ mediated genome instability 1, homolog (S. cerevisiae) (RMI1), mRNA [NM_024945]
FANCM	14	2,09E-03	-2,21	1,01	-2,16	Homo sapiens Fanconi anemia, complementation group M (FANCM), mRNA [NM_020937]
PHYHIP	8	3,34E-03	-2,21	-1,24	-2,22	Homo sapiens phytanoyl-CoA 2-hydroxylase interacting protein (PHYHIP), transcript variant 2, mRNA [NM_014759]
SLC22A23	6	5,24E-04	-2,21	1,06	-2,25	Homo sapiens solute carrier family 22, member 23

						(SLC22A23), transcript variant 1, mRNA [NM_015482]
IMPA2	18	2,96E-03	-2,21	1,07	-2,37	Homo sapiens inositol(myo)-1(or 4)-monophosphatase 2 (IMPA2), mRNA [NM_014214]
HMGB3P22	5	1,53E-04	-2,21	1,10	-1,97	PREDICTED: Homo sapiens high mobility group protein B3-like, transcript variant 1 (LOC729595), partial mRNA [XM_001130734]
ANKRD20A8P	2	8,75E-03	-2,20	-1,10	-1,82	Homo sapiens ankyrin repeat domain 20 family, member A8, pseudogene (ANKRD20A8P), non-coding RNA [NR_003366]
ARTN	1	6,03E-04	-2,20	-1,10	-2,19	Homo sapiens artemin (ARTN), transcript variant 4, mRNA [NM_057090]
IMPA2	18	3,91E-03	-2,20	1,11	-2,43	Homo sapiens inositol(myo)-1(or 4)-monophosphatase 2 (IMPA2), mRNA [NM_014214]
LOC388242	16	1,47E-04	-2,20	-1,08	-2,31	Homo sapiens coiled-coil domain containing 101 pseudogene (LOC388242), non-coding RNA [NR_002556]
KCNU1	8	1,89E-02	-2,20	-1,54	-1,84	Homo sapiens potassium channel, subfamily U, member 1 (KCNU1), mRNA [NM_001031836]
EPHB2	1	4,45E-04	-2,20	-1,16	-2,21	Homo sapiens EPH receptor B2 (EPHB2), transcript variant 2, mRNA [NM_004442]
PMEPA1	20	6,34E-06	-2,20	-1,02	-1,85	Homo sapiens prostate transmembrane protein, androgen induced 1 (PMEPA1), transcript variant 1, mRNA [NM_020182]
	4	9,68E-03	-2,20	-1,13	-2,21	lincRNA:chr4:53577368-53616143 reverse strand
GJC1	17	3,95E-03	-2,20	-1,10	-1,85	Homo sapiens gap junction protein, gamma 1, 45kDa (GJC1), transcript variant 1, mRNA [NM_005497]
TROAP	12	7,68E-03	-2,20	-1,12	-1,92	Homo sapiens trophinin associated protein (tastin)

						(TROAP), transcript variant 1, mRNA [NM_005480]
POLQ	3	1,32E-02	-2,20	-1,02	-1,74	Homo sapiens polymerase (DNA directed), theta (POLQ), mRNA [NM_199420]
	10	1,22E-04	-2,20	-1,25	-1,60	lincRNA:chr10:88688970-88694220 forward strand
	21	3,65E-04	-2,20	-1,11	-2,06	chromosome 21 open reading frame 81 [Source:HGNC Symbol;Acc:16413] [ENST00000442192]
ZNF735	7	3,40E-02	-2,19	-1,19	-1,63	Homo sapiens zinc finger protein 735 (ZNF735), mRNA [NM_001159524]
RBP1	3	1,54E-05	-2,19	-1,02	-2,27	Homo sapiens retinol binding protein 1, cellular (RBP1), transcript variant 1, mRNA [NM_002899]
AFMID	17	2,34E-02	-2,19	-1,38	-2,97	Homo sapiens arylformamidase (AFMID), transcript variant 3, non-coding RNA [NR_027083]
LONRF2	2	3,35E-03	-2,19	-1,16	-2,18	Homo sapiens LON peptidase N-terminal domain and ring finger 2 (LONRF2), mRNA [NM_198461]
HTRA1	10	3,08E-05	-2,19	-1,03	-2,02	Homo sapiens HtrA serine peptidase 1 (HTRA1), mRNA [NM_002775]
SLC35B4	7	2,88E-04	-2,19	1,02	-1,66	Homo sapiens solute carrier family 35, member B4 (SLC35B4), mRNA [NM_032826]
	19	1,47E-04	-2,19	1,16	-1,59	lincRNA:chr19:28293532-28294380 forward strand
PRRT3	3	2,39E-03	-2,19	-1,06	-2,08	Homo sapiens proline-rich transmembrane protein 3 (PRRT3), mRNA [NM_207351]
STOX2	4	3,37E-05	-2,19	1,03	-2,18	Homo sapiens storkhead box 2 (STOX2), mRNA [NM_020225]
MMS22L	6	1,61E-02	-2,19	1,11	-1,90	Homo sapiens MMS22-like, DNA repair protein (MMS22L), mRNA [NM_198468]
	7	3,55E-02	-2,19	-1,04	-1,76	lincRNA:chr7:7928975-7996750 reverse strand
CDON	11	2,27E-03	-2,19	1,23	-2,28	Homo sapiens Cdon homolog (mouse) (CDON), mRNA [NM_016952]

IL20RB	3	3,40E-04	-2,19	-1,08	-2,05	Homo sapiens interleukin 20 receptor beta (IL20RB), mRNA [NM_144717]
NDP	X	3,77E-02	-2,19	1,25	-2,00	Homo sapiens Norrie disease (pseudoglioma) (NDP), mRNA [NM_000266]
CYP2U1	4	2,98E-02	-2,19	-1,09	-2,42	Homo sapiens cytochrome P450, family 2, subfamily U, polypeptide 1 (CYP2U1), mRNA [NM_183075]
TPM1	15	3,04E-04	-2,18	-1,11	-2,23	Homo sapiens tropomyosin 1 (alpha) (TPM1), transcript variant 5, mRNA [NM_000366]
EPB41L1	20	5,51E-03	-2,18	1,05	-2,09	Homo sapiens erythrocyte membrane protein band 4.1-like 1 (EPB41L1), transcript variant 1, mRNA [NM_012156]
NDRG2	14	1,92E-02	-2,18	-1,47	-2,64	Homo sapiens NDRG family member 2 (NDRG2), transcript variant 1, mRNA [NM_201535]
PLEKHM3	2	1,47E-02	-2,18	-1,23	-1,54	Homo sapiens pleckstrin homology domain containing, family M, member 3 (PLEKHM3), mRNA [NM_001080475]
C8orf51	8	3,87E-03	-2,18	1,22	-4,01	Homo sapiens chromosome 8 open reading frame 51 (C8orf51), non-coding RNA [NR_026785]
SFT2D3	2	7,41E-06	-2,18	1,09	-2,14	Homo sapiens SFT2 domain containing 3 (SFT2D3), mRNA [NM_032740]
LOC339988	4	1,30E-04	-2,18	-1,19	-2,42	Homo sapiens cDNA clone IMAGE:5217034. [BC041468]
KIF7	15	1,20E-02	-2,18	-1,09	-1,67	Homo sapiens kinesin family member 7 (KIF7), mRNA [NM_198525]
XLOC_004366	5	1,14E-03	-2,18	1,06	-2,17	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
MECOM	3	5,72E-04	-2,17	1,08	-1,91	Homo sapiens MDS1 and EVI1 complex locus (MECOM), transcript variant 6, mRNA [NM_001164000]

MDM1	12	3,69E-02	-2,17	1,06	-3,47	Homo sapiens Mdm1 nuclear protein homolog (mouse) (MDM1), transcript variant 1, mRNA [NM_017440]
PGM2L1	11	5,90E-04	-2,17	1,09	-1,64	Homo sapiens phosphoglucomutase 2-like 1 (PGM2L1), mRNA [NM_173582]
TP53INP1	8	8,82E-04	-2,17	-1,29	-1,95	Homo sapiens tumor protein p53 inducible nuclear protein 1 (TP53INP1), transcript variant 1, mRNA [NM_033285]
LOC728705	12	3,56E-02	-2,17	1,17	-1,20	Homo sapiens cDNA FLJ31150 fis, clone IMR322001534. [AK055712]
SGOL2	2	2,88E-03	-2,17	1,07	-1,18	shugoshin-like 2 (S. pombe) [Source:HGNC Symbol;Acc:30812] [ENST00000409203]
TMEM117	12	1,66E-03	-2,17	1,05	-2,25	Homo sapiens transmembrane protein 117 (TMEM117), mRNA [NM_032256]
HIST1H4D	6	2,43E-03	-2,17	-1,16	-1,99	Homo sapiens histone cluster 1, H4d (HIST1H4D), mRNA [NM_003539]
SYNGR1	22	8,75E-03	-2,17	-1,24	-3,47	Homo sapiens synaptogyrin 1 (SYNGR1), transcript variant 1b, mRNA [NM_145731]
ANKRD32	5	2,43E-02	-2,17	1,02	-1,78	Homo sapiens ankyrin repeat domain 32 (ANKRD32), mRNA [NM_032290]
	20	3,92E-02	-2,17	-2,71	-1,78	lincRNA:chr20:23121750-23135225 reverse strand
LOC257396	5	5,34E-03	-2,17	-1,07	-2,20	Homo sapiens hypothetical protein LOC257396, mRNA (cDNA clone IMAGE:5298658). [BC041894]
PRPF18	10	7,88E-03	-2,17	-2,17	-1,94	PRP18 pre-mRNA processing factor 18 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:17351] [ENST00000320054]
TPM1	15	2,69E-04	-2,17	-1,08	-2,29	Homo sapiens tropomyosin 1 (alpha) (TPM1), transcript variant 1, mRNA [NM_001018005]

CENPE	4	4,23E-02	-2,17	-1,05	-1,71	Homo sapiens centromere protein E, 312kDa (CENPE), mRNA [NM_001813]
NFIB	9	2,93E-03	-2,17	-1,16	-2,03	Homo sapiens nuclear factor I/B (NFIB), transcript variant 3, mRNA [NM_005596]
ANKRD20A2	9	2,35E-03	-2,16	-1,03	-1,85	Homo sapiens ankyrin repeat domain 20 family, member A2 (ANKRD20A2), mRNA [NM_001012421]
RFXAP	13	9,37E-03	-2,16	-1,06	-2,30	Homo sapiens regulatory factor X-associated protein (RFXAP), mRNA [NM_000538]
HIST1H1E	6	2,90E-03	-2,16	-1,05	-2,10	Homo sapiens histone cluster 1, H1e (HIST1H1E), mRNA [NM_005321]
MDM1	12	2,03E-04	-2,16	-1,14	-2,04	Homo sapiens Mdm1 nuclear protein homolog (mouse) (MDM1), transcript variant 2, mRNA [NM_020128]
FANCA	16	1,54E-03	-2,16	-1,08	-1,92	Homo sapiens Fanconi anemia, complementation group A (FANCA), transcript variant 2, mRNA [NM_001018112]
	16	1,92E-03	-2,16	-1,18	-1,83	HSU09087 thymopoietin beta {Homo sapiens} (exp=-1; wgp=0; cg=0), partial (28%) [THC2520108]
PHF7	3	4,33E-02	-2,16	-1,09	-1,76	Homo sapiens PHD finger protein 7 (PHF7), transcript variant 2, mRNA [NM_173341]
NAV2	11	1,34E-03	-2,16	-1,09	-2,11	Homo sapiens neuron navigator 2 (NAV2), transcript variant 1, mRNA [NM_182964]
HIRIP3	16	2,57E-03	-2,16	1,05	-2,10	Homo sapiens HIRA interacting protein 3 (HIRIP3), mRNA [NM_003609]
NUAK1	12	2,42E-03	-2,16	-1,02	-1,81	Homo sapiens NUAK family, SNF1-like kinase, 1 (NUAK1), mRNA [NM_014840]
EPN3	17	1,38E-03	-2,16	-1,22	-2,31	Homo sapiens epsin 3 (EPN3), mRNA [NM_017957]
CLIC3	9	2,33E-03	-2,15	-1,39	-2,55	Homo sapiens chloride intracellular channel 3 (CLIC3), mRNA [NM_004669]

LRRC66	4	3,41E-02	-2,15	1,06	-1,49	Homo sapiens leucine rich repeat containing 66 (LRRC66), mRNA [NM_001024611]
EAF2	3	5,96E-06	-2,15	1,00	-2,47	Homo sapiens ELL associated factor 2 (EAF2), mRNA [NM_018456]
	5	9,99E-03	-2,15	-1,03	-1,66	lincRNA:chr5:44826637-44828692 forward strand
SNHG9	16	1,55E-02	-2,15	-1,17	-2,12	Homo sapiens small nucleolar RNA host gene 9 (non-protein coding) (SNHG9), non-coding RNA [NR_003142]
C1orf162	1	2,73E-03	-2,15	-1,49	-1,39	Homo sapiens chromosome 1 open reading frame 162 (C1orf162), mRNA [NM_174896]
SUFU	10	4,76E-03	-2,15	-1,09	-2,02	Homo sapiens suppressor of fused homolog (Drosophila) (SUFU), transcript variant 1, mRNA [NM_016169]
STARD13	13	4,28E-03	-2,15	-1,06	-2,08	Homo sapiens StAR-related lipid transfer (START) domain containing 13 (STARD13), transcript variant alpha, mRNA [NM_178006]
HENMT1	1	2,38E-03	-2,15	1,09	-1,92	Homo sapiens HEN1 methyltransferase homolog 1 (Arabidopsis) (HENMT1), transcript variant 1, mRNA [NM_144584]
SLC29A3	10	5,66E-05	-2,15	-1,08	-2,36	Homo sapiens solute carrier family 29 (nucleoside transporters), member 3 (SLC29A3), transcript variant 1, mRNA [NM_018344]
C7orf68	7	3,19E-04	-2,15	1,17	-2,04	Homo sapiens chromosome 7 open reading frame 68 (C7orf68), transcript variant 1, mRNA [NM_013332]
CELF3	1	2,66E-02	-2,14	-1,07	1,07	Homo sapiens CUGBP, Elav-like family member 3 (CELF3), transcript variant 1, mRNA [NM_007185]

SMOC1	14	1,55E-03	-2,14	-1,14	-2,38	Homo sapiens SPARC related modular calcium binding 1 (SMOC1), transcript variant 1, mRNA [NM_001034852]
HMGB3P24	9	2,08E-04	-2,14	1,01	-1,79	PREDICTED: Homo sapiens high mobility group protein B3-like (LOC646993), mRNA [XM_929965]
ACVR1C	2	1,77E-02	-2,14	1,20	-1,34	Homo sapiens activin A receptor, type IC (ACVR1C), transcript variant 1, mRNA [NM_145259]
LOC100129516	3	9,38E-03	-2,14	-1,24	-2,19	PREDICTED: Homo sapiens hypothetical protein LOC100129516 (LOC100129516), mRNA [XM_003119920]
LIMCH1	4	1,62E-02	-2,14	1,00	-2,22	Homo sapiens LIM and calponin homology domains 1 (LIMCH1), transcript variant 1, mRNA [NM_014988]
	3	1,11E-04	-2,14	-1,07	-1,98	lincRNA:chr3:112315643-112316945 reverse strand
CENPJ	13	1,37E-02	-2,14	1,09	-1,68	Homo sapiens centromere protein J (CENPJ), mRNA [NM_018451]
BTNL9	5	3,63E-02	-2,14	-1,50	-2,06	Homo sapiens butyrophilin-like 9 (BTNL9), mRNA [NM_152547]
MUC20	3	2,34E-02	-2,14	-1,61	-3,14	Homo sapiens mucin 20, cell surface associated (MUC20), transcript variant S, mRNA [NM_001098516]
LOC100128292	10	3,20E-03	-2,14	-1,14	-1,93	Homo sapiens hypothetical LOC100128292 (LOC100128292), non-coding RNA [NR_024585]
LOC400752	1	1,18E-02	-2,14	-1,30	-1,98	Homo sapiens hypothetical LOC400752 (LOC400752), non-coding RNA [NR_024270]
F12	5	6,75E-04	-2,14	-1,07	-1,78	Homo sapiens coagulation factor XII (Hageman factor) (F12), mRNA [NM_000505]

PLEKHG1	6	4,59E-04	-2,14	-1,36	-1,60	Homo sapiens pleckstrin homology domain containing, family G (with RhoGef domain) member 1 (PLEKHG1), mRNA [NM_001029884]
LRIG3	12	4,81E-03	-2,14	-1,10	-2,04	Homo sapiens leucine-rich repeats and immunoglobulin-like domains 3 (LRIG3), transcript variant 2, mRNA [NM_153377]
	3	1,31E-04	-2,14	1,21	-1,52	PREDICTED: Homo sapiens hypothetical LOC442075 (LOC442075), miscRNA [XR_110030]
TMPO	12	1,12E-02	-2,14	-1,24	-1,87	Homo sapiens thymopoietin (TMPO), transcript variant 2, mRNA [NM_001032283]
LOC375295	2	9,69E-03	-2,14	-1,02	-1,96	Homo sapiens hypothetical LOC375295 (LOC375295), non-coding RNA [NR_040001]
LOC100507547	6	7,25E-05	-2,14	-1,10	-1,98	Homo sapiens hypothetical LOC100507547 (LOC100507547), transcript variant 1, non-coding RNA [NR_037169]
FOXO1	13	7,50E-05	-2,14	1,07	-2,05	Homo sapiens forkhead box O1 (FOXO1), mRNA [NM_002015]
CD24	Y	2,90E-05	-2,14	-1,05	-2,13	Homo sapiens CD24 molecule (CD24), mRNA [NM_013230]
	1	6,76E-04	-2,14	1,20	-1,64	Q7Z4F0_HUMAN (Q7Z4F0) MSTP088, partial (67%) [THC2652331]
	12	8,79E-04	-2,13	-1,06	-1,97	PREDICTED: Homo sapiens hypothetical LOC100130219 (LOC100130219), partial miscRNA [XR_109115]
SYT12	11	2,92E-02	-2,13	1,22	-1,90	Homo sapiens synaptotagmin XII (SYT12), transcript variant 1, mRNA [NM_177963]
BNIPL	1	5,64E-03	-2,13	-1,29	-2,93	Homo sapiens BCL2/adenovirus E1B 19kD interacting protein like (BNIPL), transcript variant 1, mRNA [NM_138278]

PLGLB1	2	7,66E-03	-2,13	1,45	1,18	Homo sapiens plasminogen-like B1 (PLGLB1), mRNA [NM_001032392]
PCYOX1	2	3,59E-04	-2,13	1,13	-1,97	Homo sapiens prenylcysteine oxidase 1 (PCYOX1), mRNA [NM_016297]
PSIP1	9	4,30E-04	-2,13	-1,11	-2,18	Homo sapiens PC4 and SFRS1 interacting protein 1 (PSIP1), transcript variant 1, mRNA [NM_021144]
	6	7,69E-03	-2,13	-1,29	-2,16	lincRNA:chr6:22191803-22194614 forward strand
	6	1,07E-02	-2,13	-1,14	-1,34	lincRNA:chr6:48044816-48070216 reverse strand
HLTF	3	4,16E-02	-2,13	1,01	-1,87	Homo sapiens helicase-like transcription factor (HLTF), transcript variant 1, mRNA [NM_003071]
PTPLB	3	1,71E-04	-2,13	-1,20	-2,35	Homo sapiens protein tyrosine phosphatase-like (proline instead of catalytic arginine), member b (PTPLB), mRNA [NM_198402]
CNTN1	12	2,99E-04	-2,13	-1,12	-1,91	Homo sapiens contactin 1 (CNTN1), transcript variant 1, mRNA [NM_001843]
CAMKK1	17	1,94E-03	-2,13	-1,10	-2,06	Homo sapiens calcium/calmodulin-dependent protein kinase kinase 1, alpha (CAMKK1), transcript variant 1, mRNA [NM_032294]
ALMS1	2	3,52E-02	-2,13	-1,78	-1,44	Homo sapiens Alstrom syndrome 1 (ALMS1), mRNA [NM_015120]
LOC203274	9	7,57E-03	-2,13	-1,31	-1,79	Homo sapiens cDNA clone IMAGE:5498355. [BC110369]
FHOD1	16	1,43E-05	-2,13	1,18	-1,91	Homo sapiens formin homology 2 domain containing 1 (FHOD1), mRNA [NM_013241]
KCNK7	11	6,48E-03	-2,13	-1,10	-2,59	Homo sapiens potassium channel, subfamily K, member 7 (KCNK7), transcript variant C, mRNA [NM_005714]

PPP1R12B	1	1,29E-04	-2,13	-1,30	-1,98	Homo sapiens protein phosphatase 1, regulatory (inhibitor) subunit 12B (PPP1R12B), transcript variant 1, mRNA [NM_002481]
CABYR	18	1,19E-03	-2,13	1,05	-1,89	Homo sapiens calcium binding tyrosine-(Y)-phosphorylation regulated (CABYR), transcript variant 1, mRNA [NM_012189]
	10	3,29E-03	-2,13	1,10	-2,19	lincRNA:chr10:118588285-118590480 reverse strand
CCDC8	19	2,26E-03	-2,13	1,05	-1,98	Homo sapiens coiled-coil domain containing 8 (CCDC8), mRNA [NM_032040]
TRIM59	3	1,07E-03	-2,13	1,03	-1,76	Homo sapiens tripartite motif containing 59 (TRIM59), mRNA [NM_173084]
PITPNM3	17	1,14E-02	-2,13	-1,24	-2,23	Homo sapiens PITPNM family member 3 (PITPNM3), transcript variant 1, mRNA [NM_031220]
CENPN	16	1,74E-02	-2,13	-1,25	-1,82	Homo sapiens centromere protein N (CENPN), transcript variant 1, mRNA [NM_001100625]
PRKACB	1	4,07E-02	-2,12	-1,10	-2,06	Homo sapiens protein kinase, cAMP-dependent, catalytic, beta (PRKACB), transcript variant 2, mRNA [NM_002731]
CYP27C1	2	9,09E-04	-2,12	-1,03	-1,95	Homo sapiens cytochrome P450, family 27, subfamily C, polypeptide 1 (CYP27C1), mRNA [NM_001001665]
PRR5L	11	1,67E-04	-2,12	-1,03	-2,13	Homo sapiens proline rich 5 like (PRR5L), transcript variant 2, mRNA [NM_024841]
ECEL1P2	2	2,09E-02	-2,12	-2,09	-1,57	Homo sapiens endothelin converting enzyme-like 1, pseudogene 2 (ECEL1P2), non-coding RNA [NR_028501]
LOC152286	3	7,65E-03	-2,12	-1,05	-1,58	Homo sapiens mRNA; cDNA DKFZp434E036 (from clone DKFZp434E036) [AL117431]

DPY19L2P2	7	2,53E-02	-2,12	-1,87	-2,53	Homo sapiens dpy-19-like 2 pseudogene 2 (C. elegans) (DPY19L2P2), transcript variant 2, non-coding RNA [NR_003561]
ACCN2	12	6,66E-03	-2,12	-1,02	-1,87	Homo sapiens amiloride-sensitive cation channel 2, neuronal (ACCN2), transcript variant 1, mRNA [NM_020039]
CHKA	11	5,35E-04	-2,12	-1,05	-2,25	Homo sapiens choline kinase alpha (CHKA), transcript variant 1, mRNA [NM_001277]
SMOC2	6	9,31E-03	-2,12	1,23	-2,02	Homo sapiens SPARC related modular calcium binding 2 (SMOC2), transcript variant 1, mRNA [NM_022138]
MTERFD3	12	5,28E-04	-2,12	-1,03	-2,05	Homo sapiens MTERF domain containing 3 (MTERFD3), transcript variant 1, mRNA [NM_001033050]
EXTL2	1	5,25E-03	-2,12	1,10	-2,29	Homo sapiens exostoses (multiple)-like 2 (EXTL2), transcript variant 1, mRNA [NM_001439]
THRB	3	9,28E-04	-2,11	-1,12	-2,08	Homo sapiens thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2, avian) (THRB), transcript variant 3, mRNA [NM_001128177]
	18	4,06E-02	-2,11	-1,22	-1,46	lincRNA:chr18:72260674-72265801 reverse strand
OBSL1	2	2,47E-05	-2,11	1,08	-1,97	Homo sapiens obscurin-like 1 (OBSL1), transcript variant 1, mRNA [NM_015311]
HIST1H4H	6	2,70E-03	-2,11	-1,12	-2,05	Homo sapiens histone cluster 1, H4h (HIST1H4H), mRNA [NM_003543]
TAF9B	X	7,40E-03	-2,11	-1,07	-2,20	Homo sapiens TAF9B RNA polymerase II, TATA box binding protein (TBP)-associated factor, 31kDa (TAF9B), mRNA [NM_015975]

TET1	10	2,66E-03	-2,11	1,05	-1,56	Homo sapiens tet oncogene 1 (TET1), mRNA [NM_030625]
LOC57399	5	3,12E-02	-2,11	-1,82	-1,23	Homo sapiens uncharacterized gastric protein ZA52P mRNA, complete cds. [AF264626]
XLOC_006883	8	1,59E-03	-2,11	-1,24	-2,58	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
FUT8	14	5,32E-03	-2,11	-1,07	-1,84	Homo sapiens fucosyltransferase 8 (alpha (1,6) fucosyltransferase) (FUT8), transcript variant 1, mRNA [NM_178155]
CCDC99	5	4,89E-03	-2,11	1,03	-1,98	Homo sapiens coiled-coil domain containing 99 (CCDC99), mRNA [NM_017785]
SLC29A1	6	1,52E-02	-2,11	1,08	-1,64	Homo sapiens solute carrier family 29 (nucleoside transporters), member 1 (SLC29A1), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_001078177]
MAGED4B	X	5,84E-03	-2,11	1,17	-1,94	Homo sapiens melanoma antigen family D, 4B (MAGED4B), transcript variant 1, mRNA [NM_030801]
C22orf29	22	3,54E-03	-2,11	-1,18	-1,97	Homo sapiens chromosome 22 open reading frame 29 (C22orf29), mRNA [NM_024627]
KIF24	9	3,56E-02	-2,11	-1,03	-1,86	Homo sapiens kinesin family member 24 (KIF24), mRNA [NM_194313]
	3	1,04E-03	-2,11	-1,60	-2,48	lincRNA:chr3:182651981-182660175 reverse strand
ZNRF1	16	2,83E-04	-2,10	1,08	-1,99	Homo sapiens zinc and ring finger 1 (ZNRF1), mRNA [NM_032268]
CAPN12	19	5,72E-04	-2,10	1,14	-2,09	Homo sapiens calpain 12 (CAPN12), mRNA [NM_144691]
PCYOX1	2	1,24E-03	-2,10	1,06	-2,00	Homo sapiens prenylcysteine oxidase 1 (PCYOX1), mRNA [NM_016297]

BRD3	9	6,80E-04	-2,10	1,06	-1,92	Homo sapiens bromodomain containing 3 (BRD3), mRNA [NM_007371]
	13	4,73E-02	-2,10	-1,70	-1,42	lincRNA:chr13:41015400-41029450 forward strand
	X	2,18E-02	-2,10	-1,24	-1,72	lincRNA:chrX:115005722-115029431 reverse strand
MKI67	10	6,58E-03	-2,10	-1,14	-1,62	Homo sapiens antigen identified by monoclonal antibody Ki-67 (MKI67), transcript variant 1, mRNA [NM_002417]
TBX1	22	1,10E-02	-2,10	-1,08	-1,89	Homo sapiens T-box 1 (TBX1), transcript variant A, mRNA [NM_080646]
NRXN3	14	3,92E-03	-2,10	1,06	-1,49	Homo sapiens neurexin 3 (NRXN3), transcript variant 1, mRNA [NM_004796]
GKAP1	9	1,65E-03	-2,10	-1,17	-1,56	Homo sapiens G kinase anchoring protein 1 (GKAP1), transcript variant 1, mRNA [NM_025211]
ID2	2	3,69E-03	-2,10	-1,25	-2,06	Homo sapiens inhibitor of DNA binding 2, dominant negative helix-loop-helix protein (ID2), mRNA [NM_002166]
PASK	2	8,29E-03	-2,10	1,10	-1,58	Homo sapiens PAS domain containing serine/threonine kinase (PASK), mRNA [NM_015148]
	3	3,83E-03	-2,10	-1,40	-1,60	lincRNA:chr3:114031960-114042235 reverse strand
TYSND1	10	1,30E-02	-2,10	1,04	-1,80	Homo sapiens trypsin domain containing 1 (TYSND1), transcript variant 1, mRNA [NM_173555]
C21orf122	21	6,22E-03	-2,10	1,15	-1,99	Homo sapiens chromosome 21 open reading frame 122 (C21orf122), non-coding RNA [NR_027292]
HMGB3P1	20	1,15E-05	-2,09	1,08	-1,71	Homo sapiens high mobility group box 3 pseudogene 1 (HMGB3P1), non-coding RNA [NR_002165]
	7	6,36E-03	-2,09	-1,07	-1,59	lincRNA:chr7:79099906-79100510 forward strand
ZNF286B	17	3,06E-05	-2,09	-1,13	-1,99	Homo sapiens zinc finger protein 286B (ZNF286B), mRNA [NM_001145045]

PP7080	5	2,30E-03	-2,09	1,19	-1,79	Homo sapiens hypothetical LOC25845 (PP7080), non-coding RNA [NR_024158]
ZNF551	19	1,68E-02	-2,09	-1,20	-2,94	Homo sapiens zinc finger protein 551 (ZNF551), mRNA [NM_138347]
SRSF8	11	3,34E-04	-2,09	1,04	-1,97	Homo sapiens serine/arginine-rich splicing factor 8 (SRSF8), mRNA [NM_032102]
PBX1	1	1,22E-02	-2,09	1,08	-2,14	Homo sapiens pre-B-cell leukemia homeobox 1 (PBX1), transcript variant 1, mRNA [NM_002585]
CAPNS2	16	5,89E-06	-2,09	-1,08	-2,12	Homo sapiens calpain, small subunit 2 (CAPNS2), mRNA [NM_032330]
	3	7,85E-03	-2,09	1,02	-1,86	lincRNA:chr3:171506370-171528740 reverse strand
B4GALNT2	17	3,02E-04	-2,09	-1,19	-1,97	Homo sapiens beta-1,4-N-acetyl-galactosaminyl transferase 2 (B4GALNT2), transcript variant 1, mRNA [NM_153446]
CENPK	5	4,27E-02	-2,09	-1,03	-1,69	Homo sapiens centromere protein K (CENPK), mRNA [NM_022145]
MESP1	15	5,49E-03	-2,08	-1,19	-3,66	Homo sapiens mesoderm posterior 1 homolog (mouse) (MESP1), mRNA [NM_018670]
C15orf61	15	1,75E-03	-2,08	-1,03	-1,85	Homo sapiens chromosome 15 open reading frame 61 (C15orf61), mRNA [NM_001143936]
RAB40B	17	1,49E-02	-2,08	1,29	-2,04	Homo sapiens RAB40B, member RAS oncogene family (RAB40B), mRNA [NM_006822]
LMBR1	7	7,22E-04	-2,08	1,01	-1,70	Homo sapiens limb region 1 homolog (mouse) (LMBR1), mRNA [NM_022458]
	5	4,27E-03	-2,08	-1,10	-2,32	lincRNA:chr5:71663069-71674169 forward strand
CCDC99	5	2,20E-03	-2,08	-1,08	-1,91	Homo sapiens coiled-coil domain containing 99 (CCDC99), mRNA [NM_017785]

	3	2,48E-04	-2,08	1,14	-1,76	lincRNA:chr3:183165459-183170300 forward strand
	17	2,31E-02	-2,08	-1,07	-1,63	Homo sapiens cDNA FLJ31857 fis, clone NT2RP7001156. [AK056419]
	1	3,85E-02	-2,08	-1,31	-1,58	lincRNA:chr1:93796837-93806487 reverse strand
TDRD1	10	1,71E-02	-2,08	-1,18	-1,49	Homo sapiens tudor domain containing 1 (TDRD1), mRNA [NM_198795]
TMEM180	10	4,46E-03	-2,08	-1,12	-1,35	Homo sapiens transmembrane protein 180 (TMEM180), mRNA [NM_024789]
CHAF1A	19	3,63E-03	-2,08	1,00	-2,09	Homo sapiens chromatin assembly factor 1, subunit A (p150) (CHAF1A), mRNA [NM_005483]
HIST1H4I	6	3,24E-03	-2,08	-1,06	-2,05	Homo sapiens histone cluster 1, H4i (HIST1H4I), mRNA [NM_003495]
		9,33E-04	-2,08	-1,06	-1,76	lincRNA:chr2:177494316-177502754 reverse strand
THY1	11	6,00E-03	-2,08	-1,00	-1,78	Homo sapiens Thy-1 cell surface antigen (THY1), mRNA [NM_006288]
PDE4D	5	1,51E-02	-2,08	-1,28	-1,93	Homo sapiens phosphodiesterase 4D, cAMP-specific (PDE4D), transcript variant 4, mRNA [NM_001197218]
LOC100129196	1	6,13E-03	-2,08	1,46	-2,04	Homo sapiens hypothetical LOC100129196 (LOC100129196), non-coding RNA [NR_034182]
AR	X	4,03E-02	-2,08	-1,27	-1,78	Homo sapiens androgen receptor (AR), transcript variant 1, mRNA [NM_000044]
CRAT	9	2,49E-03	-2,08	1,03	-1,74	carnitine O-acetyltransferase [Source:HGNC Symbol;Acc:2342] [ENST00000393384]
PCSK5	9	1,20E-02	-2,08	-1,15	-2,22	Homo sapiens proprotein convertase subtilisin/kexin type 5 (PCSK5), transcript variant 2, mRNA [NM_006200]

PMP22	17	1,25E-04	-2,08	1,28	-1,76	Homo sapiens peripheral myelin protein 22 (PMP22), transcript variant 1, mRNA [NM_000304]
MCEE	2	1,06E-04	-2,08	1,06	-2,12	Homo sapiens methylmalonyl CoA epimerase (MCEE), mRNA [NM_032601]
HOXC4	12	1,57E-02	-2,08	-1,28	-1,62	Homo sapiens homeobox C4 (HOXC4), transcript variant 1, mRNA [NM_014620]
CYHR1	8	9,53E-05	-2,08	1,06	-2,02	Homo sapiens cysteine/histidine-rich 1 (CYHR1), transcript variant 2, mRNA [NM_032687]
FAM164C	14	1,28E-02	-2,07	-1,06	-1,82	Homo sapiens family with sequence similarity 164, member C (FAM164C), transcript variant 1, mRNA [NM_024643]
PLEKHH3	17	1,47E-02	-2,07	-1,05	-2,08	Homo sapiens pleckstrin homology domain containing, family H (with MyTH4 domain) member 3 (PLEKHH3), mRNA [NM_024927]
XLOC_005583	6	2,71E-02	-2,07	-1,81	-2,52	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
TRPC1	3	9,53E-04	-2,07	-1,01	-1,89	Homo sapiens transient receptor potential cation channel, subfamily C, member 1 (TRPC1), mRNA [NM_003304]
GDNF	5	1,04E-03	-2,07	-1,27	-2,12	Homo sapiens glial cell derived neurotrophic factor (GDNF), transcript variant 3, mRNA [NM_001190468]
SNX30	9	5,77E-03	-2,07	-1,07	-1,99	Homo sapiens sorting nexin family member 30 (SNX30), mRNA [NM_001012994]
TMEM63C	14	3,92E-02	-2,07	-1,26	-2,59	Homo sapiens transmembrane protein 63C (TMEM63C), mRNA [NM_020431]
SNHG1	11	1,24E-03	-2,07	-1,01	-1,70	Homo sapiens small nucleolar RNA host gene 1 (non-protein coding) (SNHG1), non-coding RNA [NR_003098]

USP54	10	7,79E-04	-2,07	-1,05	-2,08	Homo sapiens ubiquitin specific peptidase 54 (USP54), mRNA [NM_152586]
ARRDC4	15	3,17E-04	-2,07	-1,15	-2,04	Homo sapiens arrestin domain containing 4 (ARRDC4), mRNA [NM_183376]
EFNA3	1	1,66E-02	-2,07	-1,08	-2,04	Homo sapiens ephrin-A3 (EFNA3), mRNA [NM_004952]
TMEM74	8	4,73E-02	-2,07	-1,23	-2,00	Homo sapiens transmembrane protein 74 (TMEM74), mRNA [NM_153015]
MCM7	7	2,24E-02	-2,07	1,00	-1,75	Homo sapiens minichromosome maintenance complex component 7 (MCM7), transcript variant 1, mRNA [NM_005916]
FANCG	9	4,73E-03	-2,07	1,01	-1,91	Homo sapiens Fanconi anemia, complementation group G (FANCG), mRNA [NM_004629]
LOC339240	17	9,84E-04	-2,07	-1,01	-2,22	Homo sapiens keratin pseudogene (LOC339240), non-coding RNA [NR_001443]
PLK1	16	2,14E-02	-2,07	-1,43	-1,46	Homo sapiens polo-like kinase 1 (PLK1), mRNA [NM_005030]
CCDC138	2	1,46E-02	-2,06	1,21	-1,77	Homo sapiens coiled-coil domain containing 138 (CCDC138), mRNA [NM_144978]
CHADL	22	4,32E-03	-2,06	-1,06	-1,75	Homo sapiens chondroadherin-like (CHADL), mRNA [NM_138481]
EFCAB3	17	1,57E-03	-2,06	-1,05	-1,88	Homo sapiens EF-hand calcium binding domain 3 (EFCAB3), transcript variant 1, mRNA [NM_001144933]
HSF2	6	3,03E-03	-2,06	1,02	-1,85	Homo sapiens heat shock transcription factor 2 (HSF2), transcript variant 1, mRNA [NM_004506]
	1	1,60E-02	-2,06	-1,13	-1,99	lincRNA:chr1:43431263-43452013 forward strand
SLC27A1	19	1,77E-04	-2,06	-1,07	-1,78	Homo sapiens solute carrier family 27 (fatty acid transporter), member 1 (SLC27A1), mRNA [NM_198580]

XLOC_002977	3	3,80E-02	-2,06	-1,36	-3,54	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
NAA16	13	3,18E-03	-2,06	-1,19	-1,77	Homo sapiens N(alpha)-acetyltransferase 16, NatA auxiliary subunit (NAA16), transcript variant 1, mRNA [NM_024561]
CCDC75	2	7,77E-05	-2,06	-1,18	-1,86	Homo sapiens coiled-coil domain containing 75 (CCDC75), mRNA [NM_174931]
MFAP5	12	1,23E-02	-2,06	-1,12	-2,03	Homo sapiens microfibrillar associated protein 5 (MFAP5), mRNA [NM_003480]
FAT4	4	2,78E-02	-2,06	1,05	-1,96	Homo sapiens FAT tumor suppressor homolog 4 (Drosophila) (FAT4), mRNA [NM_024582]
	17	2,76E-03	-2,06	-1,29	-2,12	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:A8MV31] [ENST00000399342]
CPA4	7	1,38E-03	-2,06	-1,18	-2,69	Homo sapiens carboxypeptidase A4 (CPA4), transcript variant 1, mRNA [NM_016352]
ABLIM3	5	1,63E-03	-2,06	-1,21	-2,48	Homo sapiens actin binding LIM protein family, member 3 (ABLIM3), mRNA [NM_014945]
IP6K2	3	7,71E-05	-2,06	-1,07	-2,03	Homo sapiens inositol hexakisphosphate kinase 2 (IP6K2), transcript variant 3, mRNA [NM_001005910]
TUB	11	2,46E-02	-2,06	-1,23	-2,05	Homo sapiens tubby homolog (mouse) (TUB), transcript variant 1, mRNA [NM_003320]
FSD1L	9	7,25E-03	-2,06	-1,28	-1,71	Homo sapiens fibronectin type III and SPRY domain containing 1-like (FSD1L), transcript variant 2, mRNA [NM_031919]
	5	1,06E-02	-2,06	1,05	-1,65	lincRNA:chr5:44828220-44828690 forward strand
		1,01E-02	-2,06	-1,11	-1,63	lincRNA:chr8:38616218-38630243 reverse strand

EFNB3	17	7,72E-04	-2,06	-1,06	-2,12	Homo sapiens ephrin-B3 (EFNB3), mRNA [NM_001406]
ENKUR	10	3,54E-02	-2,06	1,05	-1,29	Homo sapiens enkurin, TRPC channel interacting protein (ENKUR), mRNA [NM_145010]
BEND7	10	5,04E-04	-2,06	1,01	-2,06	Homo sapiens BEN domain containing 7 (BEND7), transcript variant 2, mRNA [NM_001100912]
LOC400891	22	3,18E-03	-2,06	-1,19	-2,37	Homo sapiens chromosome 14 open reading frame 166B pseudogene (LOC400891), non-coding RNA [NR_027006]
RBL1	20	4,34E-03	-2,05	-1,05	-2,06	Homo sapiens retinoblastoma-like 1 (p107) (RBL1), transcript variant 1, mRNA [NM_002895]
UHRF1	19	3,18E-02	-2,05	1,05	-1,81	Homo sapiens ubiquitin-like with PHD and ring finger domains 1 (UHRF1), transcript variant 2, mRNA [NM_013282]
HIST1H3D	6	2,04E-03	-2,05	-1,07	-1,89	Homo sapiens histone cluster 1, H3d (HIST1H3D), mRNA [NM_003530]
XLOC_011183	15	9,87E-04	-2,05	1,03	-1,76	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
TK2	16	2,11E-02	-2,05	-1,05	-1,80	Homo sapiens thymidine kinase 2, mitochondrial (TK2), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_004614]
GMNN	6	1,74E-02	-2,05	1,08	-1,78	Homo sapiens geminin, DNA replication inhibitor (GMNN), mRNA [NM_015895]
OTUD1	10	3,82E-02	-2,05	1,04	-2,18	Homo sapiens OTU domain containing 1 (OTUD1), mRNA [NM_001145373]
	12	2,48E-02	-2,05	-1,53	-2,72	lincRNA:chr12:29473 89-2952675 forward strand
	4	9,80E-05	-2,05	1,07	-1,71	lincRNA:chr4:128758 375-128769050 forward strand

TYRO3P	15	1,69E-03	-2,05	-1,32	-1,96	Homo sapiens TYRO3P protein tyrosine kinase pseudogene (TYRO3P), non-coding RNA [NR_028510]
UST	6	4,81E-02	-2,05	-1,04	-1,77	Homo sapiens uronyl-2-sulfotransferase (UST), mRNA [NM_005715]
	X	3,01E-03	-2,05	-1,12	-1,66	lincRNA:chrX:73164675-73232924 forward strand
CDCA4	14	4,33E-04	-2,05	1,02	-1,69	Homo sapiens cell division cycle associated 4 (CDCA4), transcript variant 1, mRNA [NM_017955]
	6	1,03E-02	-2,05	-1,75	-1,48	lincRNA:chr6:29706225-29716785 reverse strand
MGC21881	9	3,71E-05	-2,05	1,03	-1,89	Homo sapiens hypothetical locus MGC21881 (MGC21881), non-coding RNA [NR_015363]
HAUS8	19	6,51E-03	-2,05	-1,00	-1,78	Homo sapiens HAUS augmin-like complex, subunit 8 (HAUS8), transcript variant 1, mRNA [NM_033417]
MIR17HG	13	1,34E-02	-2,05	-1,32	-1,52	Homo sapiens miR-17-92 cluster host gene (non-protein coding) (MIR17HG), non-coding RNA [NR_027350]
XRCC3	14	2,44E-03	-2,05	1,05	-1,66	Homo sapiens X-ray repair complementing defective repair in Chinese hamster cells 3 (XRCC3), transcript variant 1, mRNA [NM_001100119]
GSTA4	6	5,47E-03	-2,04	1,07	-2,17	Homo sapiens glutathione S-transferase alpha 4 (GSTA4), mRNA [NM_001512]
ABCC5	3	6,90E-06	-2,04	1,02	-1,72	Homo sapiens ATP-binding cassette, sub-family C (CFTR/MRP), member 5 (ABCC5), transcript variant 1, mRNA [NM_005688]
POLE	12	2,35E-03	-2,04	-1,30	-1,67	Homo sapiens polymerase (DNA directed), epsilon (POLE), mRNA [NM_006231]

C4orf36	4	2,05E-02	-2,04	-1,99	1,15	chromosome 4 open reading frame 36 [Source:HGNC Symbol;Acc:28386] [ENST00000503159]
NDRG2	14	3,62E-02	-2,04	-1,45	-2,44	Homo sapiens NDRG family member 2 (NDRG2), transcript variant 1, mRNA [NM_201535]
FAM176A	2	8,54E-03	-2,04	1,01	-1,85	Homo sapiens family with sequence similarity 176, member A (FAM176A), transcript variant 1, mRNA [NM_001135032]
DAGLB	7	1,56E-03	-2,04	1,00	-2,02	Homo sapiens diacylglycerol lipase, beta (DAGLB), transcript variant 1, mRNA [NM_139179]
	2	9,64E-04	-2,04	-1,22	-1,68	lincRNA:chr2:32080274-32080721 reverse strand
	19	6,83E-04	-2,04	-1,02	-1,79	lincRNA:chr19:28284802-28288920 forward strand
KLHL11	17	2,48E-04	-2,04	-1,22	-1,76	Homo sapiens kelch-like 11 (Drosophila) (KLHL11), mRNA [NM_018143]
ZNF280B	22	3,06E-02	-2,04	-1,04	-1,60	Homo sapiens zinc finger protein 280B (ZNF280B), mRNA [NM_080764]
NRG4	15	2,13E-02	-2,04	1,01	-1,16	Homo sapiens neuregulin 4 (NRG4), mRNA [NM_138573]
MGC12916	17	3,24E-02	-2,04	1,05	-2,06	Homo sapiens hypothetical protein MGC12916 (MGC12916), non-coding RNA [NR_026880]
CCDC8	19	5,72E-03	-2,04	1,10	-1,92	Homo sapiens coiled-coil domain containing 8 (CCDC8), mRNA [NM_032040]
TYRO3	15	1,51E-03	-2,04	-1,15	-2,18	Homo sapiens TYRO3 protein tyrosine kinase (TYRO3), mRNA [NM_006293]
LOC730020	7	3,00E-02	-2,04	1,15	-1,32	Homo sapiens cDNA FLJ25144 fis, clone CBR07272. [AK057873]
OPN3	1	1,71E-03	-2,03	-1,04	-1,83	Homo sapiens opsin 3 (OPN3), mRNA [NM_014322]

KCNC3	19	2,18E-02	-2,03	-1,33	-1,81	Homo sapiens potassium voltage-gated channel, Shaw-related subfamily, member 3 (KCNC3), mRNA [NM_004977]
CA12	15	5,18E-05	-2,03	1,20	-1,96	Homo sapiens carbonic anhydrase XII (CA12), transcript variant 1, mRNA [NM_001218]
TBX1	22	8,88E-03	-2,03	-1,04	-1,80	Homo sapiens T-box 1 (TBX1), transcript variant C, mRNA [NM_080647]
ZNF395	8	4,28E-04	-2,03	1,09	-1,82	Homo sapiens zinc finger protein 395 (ZNF395), mRNA [NM_018660]
FETUB	3	7,09E-03	-2,03	-2,51	-2,95	Homo sapiens fetuin B (FETUB), mRNA [NM_014375]
PPARG	3	5,51E-03	-2,03	1,05	-2,08	Homo sapiens peroxisome proliferator-activated receptor gamma (PPARG), transcript variant 3, mRNA [NM_138711]
CHAF1A	19	1,18E-02	-2,03	1,03	-1,92	Homo sapiens chromatin assembly factor 1, subunit A (p150) (CHAF1A), mRNA [NM_005483]
ZNF204P	6	4,58E-02	-2,03	-1,01	-1,70	Homo sapiens zinc finger protein 204, pseudogene (ZNF204P), non-coding RNA [NR_002722]
	3	4,83E-04	-2,03	1,02	-1,71	lincRNA:chr3:183165478-183170303 forward strand
PBX3	9	1,03E-04	-2,03	-1,02	-2,09	Homo sapiens pre-B-cell leukemia homeobox 3 (PBX3), transcript variant 1, mRNA [NM_006195]
NAPEPLD	7	3,49E-03	-2,03	1,13	-2,14	Homo sapiens N-acyl phosphatidylethanolamine phospholipase D (NAPEPLD), transcript variant 1, mRNA [NM_001122838]
	5	1,29E-05	-2,03	1,56	-1,81	lincRNA:chr5:131806278-131808704 forward strand
VANGL2	1	1,90E-02	-2,03	1,01	-1,95	Homo sapiens vang-like 2 (van gogh, Drosophila) (VANGL2), mRNA [NM_020335]

	15	3,86E-02	-2,03	-2,09	-1,25	lincRNA:chr15:96838163-96841252 reverse strand
PAIP2B	2	1,45E-05	-2,03	-1,10	-1,82	Homo sapiens poly(A) binding protein interacting protein 2B (PAIP2B), mRNA [NM_020459]
	8	9,99E-03	-2,03	-1,24	-1,41	lincRNA:chr8:102193085-102195404 reverse strand
LOC729678	5	1,73E-03	-2,03	1,06	-1,92	Homo sapiens hypothetical LOC729678 (LOC729678), non-coding RNA [NR_027183]
ENTPD3	3	2,63E-04	-2,03	1,11	-2,02	Homo sapiens ectonucleoside triphosphate diphosphohydrolase 3 (ENTPD3), mRNA [NM_001248]
TP53TG3	16	2,01E-02	-2,03	-1,18	-1,55	Homo sapiens TP53 target 3 (TP53TG3), mRNA [NM_016212]
UBE2CBP	6	3,37E-04	-2,03	1,09	-2,03	Homo sapiens ubiquitin-conjugating enzyme E2C binding protein (UBE2CBP), mRNA [NM_198920]
DIS3L	15	1,65E-03	-2,03	-1,08	-2,13	Homo sapiens DIS3 mitotic control homolog (S. cerevisiae)-like (DIS3L), transcript variant 2, mRNA [NM_133375]
LIN7B	19	7,03E-04	-2,03	-1,10	-2,05	Homo sapiens lin-7 homolog B (C. elegans) (LIN7B), mRNA [NM_022165]
CAPS	19	4,72E-05	-2,03	-1,03	-2,25	Homo sapiens calcyphosine (CAPS), transcript variant 1, mRNA [NM_004058]
CHRM3	1	3,34E-02	-2,03	-1,03	-1,86	Homo sapiens cholinergic receptor, muscarinic 3 (CHRM3), mRNA [NM_000740]
CCDC75	2	3,46E-04	-2,03	-1,12	-1,85	Homo sapiens coiled-coil domain containing 75 (CCDC75), mRNA [NM_174931]

LOC55908	19	2,42E-02	-2,03	-1,60	1,68	Homo sapiens hepatocellular carcinoma-associated gene TD26 (LOC55908), mRNA [NM_018687]
PLEKHM3	2	1,86E-04	-2,02	1,11	-1,74	Homo sapiens pleckstrin homology domain containing, family M, member 3 (PLEKHM3), mRNA [NM_001080475]
	11	6,29E-03	-2,02	-1,02	-1,84	lincRNA:chr11:133767609-133771496 reverse strand
NMU	4	1,84E-03	-2,02	-1,13	-2,15	Homo sapiens neuromedin U (NMU), mRNA [NM_006681]
IQSEC1	3	1,66E-04	-2,02	1,01	-1,84	Homo sapiens IQ motif and Sec7 domain 1 (IQSEC1), transcript variant 1, mRNA [NM_001134382]
KLHL25	15	1,76E-03	-2,02	-1,26	-1,95	Homo sapiens kelch-like 25 (Drosophila) (KLHL25), mRNA [NM_022480]
PTPRD	9	3,47E-02	-2,02	-1,16	-1,50	Homo sapiens protein tyrosine phosphatase, receptor type, D (PTPRD), transcript variant 1, mRNA [NM_002839]
A1BG	19	4,43E-03	-2,02	-1,03	-1,78	Homo sapiens alpha-1-B glycoprotein (A1BG), mRNA [NM_130786]
PSG10P	19	3,46E-03	-2,02	-1,13	-1,77	Human processed pseudo-pregnancy-specific glycoprotein (PSG12) gene, exon B2C containing 3' untranslated regions of 2 alternative splice sites C1 and C2. [L14723]
FLYWCH1	16	1,36E-04	-2,02	1,02	-1,74	Homo sapiens FLYWCH-type zinc finger 1 (FLYWCH1), transcript variant 1, mRNA [NM_032296]
ZNF568	19	2,48E-02	-2,02	-1,57	-1,67	Homo sapiens zinc finger protein 568 (ZNF568), transcript variant 1, mRNA [NM_198539]

KATNAL2	18	9,52E-03	-2,02	-1,59	-1,60	Homo sapiens katanin p60 subunit A-like 2 (KATNAL2), mRNA [NM_031303]
LOC100128361	9	9,16E-04	-2,02	-1,29	-2,27	Homo sapiens hypothetical LOC100128361 (LOC100128361), non-coding RNA [NR_036505]
ABLIM1	10	4,24E-05	-2,02	-1,30	-2,14	Homo sapiens actin binding LIM protein 1 (ABLIM1), transcript variant 3, mRNA [NM_001003408]
GTPBP3	19	3,01E-04	-2,01	-1,11	-1,75	Homo sapiens GTP binding protein 3 (mitochondrial) (GTPBP3), nuclear gene encoding mitochondrial protein, transcript variant IV, mRNA [NM_133644]
	4	2,19E-03	-2,01	-1,22	-1,93	lincRNA:chr4:53579065-53580304 reverse strand
CDR2L	17	3,47E-02	-2,01	-1,35	-1,71	Homo sapiens cerebellar degeneration-related protein 2-like (CDR2L), mRNA [NM_014603]
DSN1	20	5,23E-03	-2,01	1,09	-2,05	Homo sapiens DSN1, MIND kinetochore complex component, homolog (S. cerevisiae) (DSN1), transcript variant 3, mRNA [NM_024918]
SIX4	14	8,67E-04	-2,01	-1,08	-1,66	Homo sapiens SIX homeobox 4 (SIX4), mRNA [NM_017420]
CKLF	16	1,72E-02	-2,01	-1,11	-1,65	Homo sapiens chemokine-like factor (CKLF), transcript variant 1, mRNA [NM_016951]
ADNP	20	1,43E-04	-2,01	1,01	-1,65	activity-dependent neuroprotector homeobox [Source:HGNC Symbol;Acc:15766] [ENST00000349014]
VWF	12	1,30E-03	-2,01	-1,18	-2,34	Homo sapiens von Willebrand factor (VWF), mRNA [NM_000552]
CTNNAL1	9	3,29E-02	-2,01	-1,18	-1,85	Homo sapiens catenin (cadherin-associated protein), alpha-like 1 (CTNNAL1), mRNA [NM_003798]

CA10	17	3,34E-02	-2,01	1,15	-1,65	Homo sapiens carbonic anhydrase X (CA10), transcript variant 2, mRNA [NM_020178]
ZNF846	19	1,54E-02	-2,01	-1,28	-1,76	Homo sapiens zinc finger protein 846 (ZNF846), mRNA [NM_001077624]
A2ML1	12	8,11E-03	-2,01	-1,61	-3,07	Homo sapiens alpha-2-macroglobulin-like 1 (A2ML1), mRNA [NM_144670]
ASB13	10	6,04E-03	-2,01	1,08	-1,89	Homo sapiens ankyrin repeat and SOCS box containing 13 (ASB13), transcript variant 1, mRNA [NM_024701]
ITGBL1	13	7,84E-03	-2,00	-1,06	-1,72	Homo sapiens integrin, beta-like 1 (with EGF-like repeat domains) (ITGBL1), mRNA [NM_004791]
LOC644727	8	9,09E-03	-2,00	-1,17	-1,80	Homo sapiens cDNA FLJ38652 fis, clone HHDPC2008843. [AK095971]
CIT	12	3,11E-02	-2,00	-1,11	-1,64	Homo sapiens citron (rho-interacting, serine/threonine kinase 21) (CIT), transcript variant 2, mRNA [NM_007174]
	4	2,69E-03	-2,00	1,05	-1,77	lincRNA:chr4:128758375-128769050 forward strand
DHFRL1	3	1,97E-03	-2,00	1,15	-1,72	Homo sapiens dihydrofolate reductase-like 1 (DHFRL1), transcript variant 1, mRNA [NM_001195643]
CENPO	2	2,63E-02	-2,00	1,06	-2,04	Homo sapiens centromere protein O (CENPO), transcript variant 1, mRNA [NM_024322]
LOC284837	21	4,25E-04	-2,00	-1,04	-2,13	Homo sapiens hypothetical LOC284837 (LOC284837), non-coding RNA [NR_026961]
	1	4,00E-02	-2,00	-1,02	-1,63	Homo sapiens, clone IMAGE:6155889, mRNA. [BC043411]

Supplementary Table E6, IFN-¥/IL22 up-regulated regulated genes

Gene symbol	Chr	p-value	Fold change (IFN-¥/IL-22 vs N.T.)	Fold change (IL-22 vs N.T.)	Fold change (IFN-¥ vs N.T.)	Description
CXCL9	4	1,04E-10	42377,30	-1,00	44307,63	Homo sapiens chemokine (C-X-C motif) ligand 9 (CXCL9), mRNA [NM_002416]
CXCL10	4	1,49E-08	13876,09	1,45	15380,77	Homo sapiens chemokine (C-X-C motif) ligand 10 (CXCL10), mRNA [NM_001565]
CXCL10	4	2,07E-08	8378,90	1,30	9262,72	Homo sapiens chemokine (C-X-C motif) ligand 10 (CXCL10), mRNA [NM_001565]
UBD	6	3,78E-08	7384,25	1,68	7776,31	Homo sapiens ubiquitin D (UBD), mRNA [NM_006398]
CXCL11	4	1,39E-06	6041,58	1,07	6563,29	Homo sapiens chemokine (C-X-C motif) ligand 11 (CXCL11), mRNA [NM_005409]
IDO1	8	3,34E-09	1801,92	1,26	1982,50	Homo sapiens indoleamine 2,3-dioxygenase 1 (IDO1), mRNA [NM_002164]
CIITA	16	4,58E-08	1397,66	1,34	1639,19	Homo sapiens class II, major histocompatibility complex, transactivator (CIITA), mRNA [NM_000246]
CCL2	17	8,34E-07	788,00	1,31	996,07	Homo sapiens chemokine (C-C motif) ligand 2 (CCL2), mRNA [NM_002982]
GBP5	1	2,14E-07	611,11	-1,24	661,49	Homo sapiens guanylate binding protein 5 (GBP5), transcript variant 1, mRNA [NM_052942]
HLA-DRA	6	3,81E-06	514,77	-1,14	581,08	Homo sapiens major histocompatibility complex, class II, DR alpha (HLA-DRA), mRNA [NM_019111]
HLA-DMB	6	5,83E-06	462,90	1,12	490,49	Homo sapiens major histocompatibility complex, class II, DM beta (HLA-DMB), mRNA [NM_002118]
ETV7	6	2,32E-06	422,66	1,05	545,84	Homo sapiens ets variant 7 (ETV7), transcript variant 1, mRNA [NM_016135]
APOL4	22	3,30E-06	356,18	1,97	412,74	Homo sapiens apolipoprotein L, 4 (APOL4), transcript variant a, mRNA [NM_030643]
APOL3	22	2,71E-08	321,48	-1,02	365,30	Homo sapiens

						apolipoprotein L, 3 (APOL3), transcript variant beta/a, mRNA [NM_145641]
BATF2	11	4,60E-10	315,71	1,10	347,10	Homo sapiens basic leucine zipper transcription factor, ATF-like 2 (BATF2), mRNA [NM_138456]
ZBP1	20	1,29E-05	261,18	1,73	344,36	Homo sapiens Z-DNA binding protein 1 (ZBP1), transcript variant 1, mRNA [NM_030776]
XAF1	17	2,52E-06	248,11	1,68	297,31	Homo sapiens XIAP associated factor 1 (XAF1), transcript variant 1, mRNA [NM_017523]
XAF1	17	1,49E-06	210,66	1,37	228,41	Homo sapiens XIAP associated factor 1 (XAF1), transcript variant 1, mRNA [NM_017523]
AIM2	1	1,07E-05	210,08	1,93	223,30	Homo sapiens absent in melanoma 2 (AIM2), mRNA [NM_004833]
ICAM1	19	5,19E-08	205,19	1,55	226,76	Homo sapiens intercellular adhesion molecule 1 (ICAM1), mRNA [NM_000201]
GBP4	1	9,23E-09	160,44	-1,11	181,42	Homo sapiens guanylate binding protein 4 (GBP4), mRNA [NM_052941]
CMPK2	2	2,71E-07	145,61	1,01	173,56	Homo sapiens cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial (CMPK2), nuclear gene encoding mitochondrial protein, mRNA [NM_207315]
CCL7	17	6,55E-07	140,61	-1,08	195,13	Homo sapiens chemokine (C-C motif) ligand 7 (CCL7), mRNA [NM_006273]
GBP2	1	2,70E-08	139,11	1,27	161,45	Homo sapiens guanylate binding protein 2, interferon-inducible (GBP2), mRNA [NM_004120]
SECTM1	17	7,69E-08	133,57	1,75	159,10	Homo sapiens secreted and transmembrane 1 (SECTM1), mRNA [NM_003004]
IFIT3	10	4,97E-07	132,82	1,58	149,14	Homo sapiens interferon-induced protein with tetratricopeptide repeats 3 (IFIT3), transcript variant 1, mRNA [NM_001549]

ZBP1	20	1,96E-06	116,48	1,36	158,53	Homo sapiens Z-DNA binding protein 1 (ZBP1), transcript variant 4, mRNA [NM_001160419]
RSAD2	2	4,05E-05	115,35	-1,21	153,64	Homo sapiens radical S-adenosyl methionine domain containing 2 (RSAD2), mRNA [NM_080657]
CCL8	17	4,94E-06	111,42	1,17	150,67	Homo sapiens chemokine (C-C motif) ligand 8 (CCL8), mRNA [NM_005623]
KDR	4	2,89E-04	104,79	1,11	148,40	Homo sapiens kinase insert domain receptor (a type III receptor tyrosine kinase) (KDR), mRNA [NM_002253]
CCRL1	3	8,90E-07	98,43	1,07	117,61	Homo sapiens chemokine (C-C motif) receptor-like 1 (CCRL1), transcript variant 1, mRNA [NM_178445]
HLA-DQA1	6	3,02E-06	97,26	1,05	118,02	Homo sapiens major histocompatibility complex, class II, DQ alpha 1 (HLA-DQA1), mRNA [NM_002122]
IFI44L	1	1,27E-05	88,62	-1,61	113,04	Homo sapiens interferon-induced protein 44-like (IFI44L), mRNA [NM_006820]
HLA-DRB5	6	1,10E-04	83,25	1,02	100,76	Homo sapiens major histocompatibility complex, class II, DR beta 5 (HLA-DRB5), mRNA [NM_002125]
NLRC5	16	1,74E-05	82,21	1,77	94,67	Homo sapiens NLR family, CARD domain containing 5 (NLRC5), mRNA [NM_032206]
GBP1	1	1,77E-08	81,15	1,20	95,41	Homo sapiens guanylate binding protein 1, interferon-inducible (GBP1), mRNA [NM_002053]
GJD3	17	1,26E-05	79,95	-1,18	80,49	Homo sapiens gap junction protein, delta 3, 31.9kDa (GJD3), mRNA [NM_152219]
CTSS	1	5,72E-06	78,12	1,50	75,86	Homo sapiens cathepsin S (CTSS), transcript variant 1, mRNA [NM_004079]
NOS2	17	4,13E-04	67,24	1,41	68,66	Homo sapiens nitric oxide synthase 2, inducible (NOS2), mRNA [NM_000625]
MX1	21	4,89E-07	65,14	1,40	76,40	Homo sapiens myxovirus (influenza virus) resistance 1, interferon-inducible

						protein p78 (mouse) (MX1), transcript variant 2, mRNA [NM_002462]
CCL5	17	7,76E-04	64,81	1,41	88,45	Homo sapiens chemokine (C-C motif) ligand 5 (CCL5), mRNA [NM_002985]
NNMT	11	1,18E-05	64,56	2,50	72,48	Homo sapiens nicotinamide N-methyltransferase (NNMT), mRNA [NM_006169]
IFIT2	10	4,62E-06	63,33	1,49	78,37	Homo sapiens interferon-induced protein with tetratricopeptide repeats 2 (IFIT2), mRNA [NM_001547]
C1R	12	1,42E-07	62,39	1,72	60,20	Homo sapiens complement component 1, r subcomponent (C1R), mRNA [NM_001733]
C1S	12	1,48E-06	60,08	2,26	62,99	Homo sapiens complement component 1, s subcomponent (C1S), transcript variant 2, mRNA [NM_001734]
HLA-DPA1	6	4,19E-08	58,49	1,07	67,59	Homo sapiens major histocompatibility complex, class II, DP alpha 1 (HLA-DPA1), transcript variant 1, mRNA [NM_033554]
IFIT2	10	5,96E-06	56,97	1,38	62,12	Homo sapiens interferon-induced protein with tetratricopeptide repeats 2 (IFIT2), mRNA [NM_001547]
HLA-DQA2	6	7,87E-04	56,52	-1,31	61,97	Homo sapiens major histocompatibility complex, class II, DQ alpha 2 (HLA-DQA2), mRNA [NM_020056]
WARS	14	1,41E-08	56,47	1,01	59,61	Homo sapiens tryptophanyl-tRNA synthetase (WARS), transcript variant 1, mRNA [NM_004184]
LOC100131733	12	1,20E-08	55,59	1,33	62,80	Homo sapiens hypothetical LOC100131733 (LOC100131733), non-coding RNA [NR_038996]
TMPRSS3	21	1,93E-04	55,38	1,82	71,89	Homo sapiens transmembrane protease, serine 3 (TMPRSS3), transcript variant D, mRNA [NM_032405]
IRF1	5	1,52E-07	54,40	1,29	59,47	Homo sapiens interferon regulatory

						factor 1 (IRF1), mRNA [NM_002198]
C1R	12	3,18E-07	54,26	1,79	54,59	Homo sapiens complement component 1, r subcomponent (C1R), mRNA [NM_001733]
HLA-DOA	6	1,14E-06	52,80	-1,34	66,23	Homo sapiens major histocompatibility complex, class II, DO alpha (HLA-DOA), mRNA [NM_002119]
	1	3,10E-07	49,16	2,18	61,93	lincRNA:chr1:89873237-89890493 forward strand
HLA-DRB4		6,47E-05	47,02	1,14	57,81	Homo sapiens major histocompatibility complex, class II, DR beta 4 (HLA-DRB4), mRNA [NM_021983]
IL18BP	11	8,50E-07	46,63	-1,00	55,28	Homo sapiens interleukin 18 binding protein (IL18BP), transcript variant A, mRNA [NM_173042]
CD74	5	2,87E-07	44,40	1,07	48,42	Homo sapiens CD74 molecule, major histocompatibility complex, class II invariant chain (CD74), transcript variant 3, mRNA [NM_001025158]
	13	4,82E-04	43,87	-1,18	59,08	immunoresponsive 1 homolog (mouse) [Source:HGNC Symbol;Acc:33904] [ENST00000449753]
SLC15A3	11	4,81E-09	43,76	1,12	49,16	Homo sapiens solute carrier family 15, member 3 (SLC15A3), transcript variant 1, mRNA [NM_016582]
FAM107A	3	2,63E-05	42,50	1,04	59,46	Homo sapiens family with sequence similarity 107, member A (FAM107A), transcript variant 1, mRNA [NM_007177]
SAMD9L	7	2,25E-08	41,74	1,14	47,78	Homo sapiens sterile alpha motif domain containing 9-like (SAMD9L), mRNA [NM_152703]
PDGFRA	4	4,26E-06	41,00	1,32	47,58	Homo sapiens platelet-derived growth factor receptor, alpha polypeptide (PDGFRA), mRNA [NM_006206]
IL32	16	1,21E-05	40,38	1,14	39,88	Homo sapiens interleukin 32 (IL32), transcript variant 4, mRNA [NM_001012633]

ZNF114	19	5,36E-04	39,81	1,19	88,29	Homo sapiens zinc finger protein 114 (ZNF114), mRNA [NM_153608]
HAPLN3	15	1,28E-08	39,21	1,03	46,61	Homo sapiens hyaluronan and proteoglycan link protein 3 (HAPLN3), mRNA [NM_178232]
IL32	16	1,18E-05	39,08	1,13	38,46	Homo sapiens interleukin 32 (IL32), transcript variant 1, mRNA [NM_001012631]
SAMD9L	7	9,17E-09	38,50	1,11	47,11	Homo sapiens sterile alpha motif domain containing 9-like (SAMD9L), mRNA [NM_152703]
EPSTI1	13	1,06E-09	37,73	-1,09	41,17	Homo sapiens epithelial stromal interaction 1 (breast) (EPSTI1), transcript variant 2, mRNA [NM_033255]
GBP7	1	4,97E-06	37,38	1,04	55,11	Homo sapiens guanylate binding protein 7 (GBP7), mRNA [NM_207398]
STAT1	2	1,38E-08	35,93	1,24	38,79	Homo sapiens signal transducer and activator of transcription 1, 91kDa (STAT1), transcript variant beta, mRNA [NM_139266]
IL7	8	5,00E-06	35,78	1,63	33,78	Homo sapiens interleukin 7 (IL7), transcript variant 1, mRNA [NM_000880]
CLIC5	6	5,38E-06	35,70	-1,12	46,04	Homo sapiens chloride intracellular channel 5 (CLIC5), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA [NM_016929]
OSTalpha	3	4,77E-04	35,05	-1,08	46,35	Homo sapiens organic solute transporter alpha (OSTalpha), mRNA [NM_152672]
SSTR2	17	3,88E-06	34,73	1,03	50,98	Homo sapiens somatostatin receptor 2 (SSTR2), mRNA [NM_001050]
	2	2,34E-03	33,72	1,26	23,67	lincRNA:chr2:102600227-102601998 forward strand
PSMB9	6	2,78E-07	33,70	1,01	33,35	Homo sapiens proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional peptidase 2)

						(PSMB9), mRNA [NM_002800]
SERPING1	11	1,76E-03	33,13	1,30	37,68	Homo sapiens serpin peptidase inhibitor, clade G (C1 inhibitor), member 1 (SERPING1), transcript variant 1, mRNA [NM_000062]
IL1R2	2	5,54E-03	32,97	1,15	25,29	Homo sapiens interleukin 1 receptor, type II (IL1R2), transcript variant 1, mRNA [NM_004633]
LOC100506328	2	2,36E-03	32,71	1,15	22,23	Homo sapiens cDNA FLJ31315 fis, clone LIVER1000303. [AK055877]
APOL4	22	1,76E-07	32,45	1,56	34,88	Homo sapiens apolipoprotein L, 4 (APOL4), transcript variant a, mRNA [NM_030643]
TAP1	6	4,79E-08	31,47	1,19	34,40	Homo sapiens transporter 1, ATP-binding cassette, sub-family B (MDR/TAP) (TAP1), mRNA [NM_000593]
BCL2L14	12	2,96E-06	31,11	-1,21	36,63	Homo sapiens BCL2-like 14 (apoptosis facilitator) (BCL2L14), transcript variant 1, mRNA [NM_138722]
C1S	12	7,51E-06	30,49	1,52	34,17	Homo sapiens complement component 1, s subcomponent (C1S), transcript variant 1, mRNA [NM_201442]
DEFB103B	8	5,83E-04	30,19	4,22	33,08	Homo sapiens defensin, beta 103B (DEFB103B), mRNA [NM_018661]
SERPING1	11	6,36E-04	29,61	-1,03	33,51	Homo sapiens serpin peptidase inhibitor, clade G (C1 inhibitor), member 1 (SERPING1), transcript variant 1, mRNA [NM_000062]
SAMHD1	20	1,13E-07	28,41	1,06	34,82	Homo sapiens SAM domain and HD domain 1 (SAMHD1), mRNA [NM_015474]
TRIM15	6	1,43E-03	28,26	-2,02	35,39	Homo sapiens tripartite motif containing 15 (TRIM15), mRNA [NM_033229]
APOL6	22	3,74E-07	28,11	1,31	33,05	Homo sapiens apolipoprotein L, 6 (APOL6), mRNA [NM_030641]
IL15	4	2,22E-07	27,68	1,27	28,55	Homo sapiens interleukin 15 (IL15),

						transcript variant 2, mRNA [NM_172175]
GIMAP2	7	1,57E-05	26,82	1,19	30,18	Homo sapiens GTPase, IMAP family member 2 (GIMAP2), mRNA [NM_015660]
RNF213	17	2,08E-06	26,60	1,29	26,45	Homo sapiens ring finger protein 213 (RNF213), transcript variant 1, mRNA [NM_020914]
IFITM1	11	1,10E-06	26,15	1,54	26,29	Homo sapiens interferon induced transmembrane protein 1 (9-27) (IFITM1), mRNA [NM_003641]
LYPD5	19	4,40E-06	25,43	2,01	27,68	Homo sapiens LY6/PLAUR domain containing 5 (LYPD5), transcript variant B, mRNA [NM_182573]
CLIC2	X	3,22E-06	24,99	-1,44	31,86	Homo sapiens chloride intracellular channel 2 (CLIC2), mRNA [NM_001289]
IFITM1	11	1,51E-06	24,81	1,55	25,00	Homo sapiens interferon induced transmembrane protein 1 (9-27) (IFITM1), mRNA [NM_003641]
EDNRA	4	1,77E-05	24,74	1,53	29,21	Homo sapiens endothelin receptor type A (EDNRA), transcript variant 1, mRNA [NM_001957]
C1orf68	1	7,43E-06	24,25	-1,05	29,89	Homo sapiens chromosome 1 open reading frame 68 (C1orf68), mRNA [NM_001024679]
TRIM22	11	9,02E-08	23,61	1,30	25,99	Homo sapiens tripartite motif containing 22 (TRIM22), transcript variant 1, mRNA [NM_006074]
APOL6	22	4,55E-07	23,41	1,09	21,30	Homo sapiens apolipoprotein L, 6 (APOL6), mRNA [NM_030641]
APOL6	22	5,01E-06	23,31	1,27	25,93	Homo sapiens apolipoprotein L, 6 (APOL6), mRNA [NM_030641]
	1	5,23E-07	23,30	1,46	26,53	chromosome 1 open reading frame 167 [Source:HGNC Symbol;Acc:25262] [ENST00000433342]
APOL2	22	7,30E-07	22,07	1,55	24,47	Homo sapiens apolipoprotein L, 2 (APOL2), transcript variant beta, mRNA [NM_145637]
IFI44	1	2,48E-06	21,82	1,32	25,98	Homo sapiens

						interferon-induced protein 44 (IFI44), mRNA [NM_006417]
C13orf16	13	1,17E-06	21,65	-1,11	24,71	Homo sapiens chromosome 13 open reading frame 16 (C13orf16), mRNA [NM_152324]
IFI35	17	7,05E-08	21,36	1,06	24,18	Homo sapiens interferon-induced protein 35 (IFI35), mRNA [NM_005533]
CSF3	17	4,58E-03	21,07	1,43	15,91	Homo sapiens colony stimulating factor 3 (granulocyte) (CSF3), transcript variant 1, mRNA [NM_000759]
OAS1	12	4,97E-07	20,89	1,07	26,37	Homo sapiens 2',5'-oligoadenylate synthetase 1, 40/46kDa (OAS1), transcript variant 2, mRNA [NM_002534]
OAS2	12	8,78E-08	20,84	1,11	24,00	Homo sapiens 2'-5'-oligoadenylate synthetase 2, 69/71kDa (OAS2), transcript variant 1, mRNA [NM_016817]
APOBEC3G	22	1,50E-05	20,39	1,22	20,80	Homo sapiens apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G (APOBEC3G), mRNA [NM_021822]
	2	5,61E-03	20,18	1,03	13,47	lincRNA:chr2:102600225-102602007 forward strand
CCDC109B	4	2,57E-07	19,61	1,63	21,43	Homo sapiens coiled-coil domain containing 109B (CCDC109B), mRNA [NM_017918]
OAS3	12	2,47E-07	19,42	1,05	21,31	Homo sapiens 2'-5'-oligoadenylate synthetase 3, 100kDa (OAS3), mRNA [NM_006187]
CLIC5	6	3,61E-03	19,33	1,36	22,77	Homo sapiens chloride intracellular channel 5 (CLIC5), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA [NM_016929]
HLA-DMA	6	3,74E-07	18,88	1,12	21,36	Homo sapiens major histocompatibility complex, class II, DM alpha (HLA-DMA), mRNA [NM_006120]
HLA-DPB1	6	5,53E-03	18,81	1,02	21,89	Homo sapiens major histocompatibility complex, class II, DP beta 1 (HLA-DPB1), mRNA [NM_002121]

XLOC_006507	7	2,72E-05	18,75	1,22	21,37	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
FAM78B	1	7,09E-05	18,65	-1,14	22,06	Homo sapiens family with sequence similarity 78, member B (FAM78B), mRNA [NM_001017961]
P2RY6	11	6,34E-05	18,61	8,12	17,38	Homo sapiens pyrimidinergic receptor P2Y, G-protein coupled, 6 (P2RY6), transcript variant 2, mRNA [NM_176798]
WDFY4	10	2,68E-04	18,53	-1,03	20,75	Homo sapiens WDFY family member 4 (WDFY4), mRNA [NM_020945]
UBE2L6	11	1,66E-07	18,26	1,18	20,08	Homo sapiens ubiquitin-conjugating enzyme E2L 6 (UBE2L6), transcript variant 2, mRNA [NM_198183]
DDX60	4	5,61E-06	18,22	1,32	19,77	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 60 (DDX60), mRNA [NM_017631]
IL17C	16	4,70E-03	18,16	2,78	19,36	Homo sapiens interleukin 17C (IL17C), mRNA [NM_013278]
SOD2	6	1,91E-05	18,04	1,44	18,64	Homo sapiens superoxide dismutase 2, mitochondrial (SOD2), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA [NM_001024465]
FRMD3	9	3,44E-06	17,72	-1,15	18,10	Homo sapiens FERM domain containing 3 (FRMD3), mRNA [NM_174938]
LOC100130278	3	1,38E-05	17,70	-1,12	17,83	Homo sapiens cDNA FLJ36795 fis, clone ADRGL2006767. [AK094114]
GBP1P1	1	3,22E-06	17,69	1,05	20,49	Homo sapiens guanylate binding protein 1, interferon-inducible pseudogene 1 (GBP1P1), non-coding RNA [NR_003133]
TRIM40	6	1,19E-04	17,68	1,03	22,27	Homo sapiens tripartite motif containing 40 (TRIM40), mRNA [NM_138700]
OAS2	12	5,92E-08	17,58	1,07	19,67	Homo sapiens 2'-5'-oligoadenylate

						synthetase 2, 69/71kDa (OAS2), transcript variant 2, mRNA [NM_002535]
RTP4	3	3,84E-07	17,21	1,24	17,99	Homo sapiens receptor (chemosensory) transporter protein 4 (RTP4), mRNA [NM_022147]
RARRES1	3	1,16E-05	17,17	1,02	19,52	Homo sapiens retinoic acid receptor responder (tazarotene induced) 1 (RARRES1), transcript variant 2, mRNA [NM_002888]
FRMD3	9	9,17E-08	17,13	1,16	17,21	FERM domain containing 3 [Source:HGNC Symbol;Acc:24125] [ENST00000304195]
HLA-DQA1	6	6,12E-05	16,94	-1,39	18,37	Homo sapiens major histocompatibility complex, class II, DQ alpha 1 (HLA-DQA1), mRNA [NM_002122]
IFI30	19	4,81E-07	16,85	1,14	17,73	Homo sapiens interferon, gamma-inducible protein 30 (IFI30), mRNA [NM_006332]
LAP3	4	6,27E-07	16,65	1,04	17,68	Homo sapiens leucine aminopeptidase 3 (LAP3), mRNA [NM_015907]
OAS3	12	1,97E-07	16,55	1,12	18,01	Homo sapiens 2'-5'-oligoadenylate synthetase 3, 100kDa (OAS3), mRNA [NM_006187]
		2,45E-03	16,27	1,05	17,77	major histocompatibility complex, class II, DQ beta 1 [Source:HGNC Symbol;Acc:4944] [ENST00000399670]
C5orf56	5	4,72E-05	16,19	1,05	14,61	Homo sapiens chromosome 5 open reading frame 56 (C5orf56), transcript variant 4, mRNA [NM_001207003]
FAM20A	17	4,63E-03	16,10	2,57	17,57	Homo sapiens family with sequence similarity 20, member A (FAM20A), transcript variant 1, mRNA [NM_017565]
	3	4,38E-07	15,93	1,13	17,45	lincRNA:chr3:158458205-158461305 forward strand
HLA-DMA	6	1,55E-06	15,86	1,06	17,86	Homo sapiens major histocompatibility complex, class II, DM alpha (HLA-DMA), mRNA [NM_006120]

PARP9	3	1,89E-06	15,75	1,80	18,57	Homo sapiens poly (ADP-ribose) polymerase family, member 9 (PARP9), transcript variant 1, mRNA [NM_031458]
HLA-DPB1	6	4,45E-03	15,74	1,08	19,54	Homo sapiens major histocompatibility complex, class II, DP beta 1 (HLA-DPB1), mRNA [NM_002121]
SOCS3	17	2,08E-04	15,69	2,80	17,31	Homo sapiens suppressor of cytokine signaling 3 (SOCS3), mRNA [NM_003955]
	1	2,95E-06	15,59	-1,19	17,05	lincRNA:chr1:89874262-89947412 forward strand
HLA-DPB1	6	2,85E-03	15,31	1,03	18,77	Homo sapiens major histocompatibility complex, class II, DP beta 1 (HLA-DPB1), mRNA [NM_002121]
TRAF1	9	1,49E-03	15,26	-1,33	16,39	Homo sapiens TNF receptor-associated factor 1 (TRAF1), transcript variant 1, mRNA [NM_005658]
CX3CL1	16	3,83E-05	15,16	-1,04	22,34	Homo sapiens chemokine (C-X3-C motif) ligand 1 (CX3CL1), mRNA [NM_002996]
IL15RA	10	1,22E-05	15,12	1,42	15,31	Homo sapiens interleukin 15 receptor, alpha (IL15RA), transcript variant 2, mRNA [NM_172200]
ATP10A	15	7,58E-04	15,11	1,10	17,09	Homo sapiens ATPase, class V, type 10A (ATP10A), mRNA [NM_024490]
BST2	19	5,18E-06	15,10	1,24	16,49	Homo sapiens bone marrow stromal cell antigen 2 (BST2), mRNA [NM_004335]
DDX58	9	8,25E-07	15,02	1,15	15,87	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 58 (DDX58), mRNA [NM_014314]
WDFY4	10	1,52E-03	14,90	1,06	17,39	Homo sapiens WDFY family member 4 (WDFY4), mRNA [NM_020945]
		3,15E-02	14,75	-1,43	17,79	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7ET45] [ENST00000552745]
BST2	19	3,52E-06	14,66	1,16	15,66	bone marrow stromal cell antigen 2 [Source:HGNC Symbol;Acc:1119] [ENST00000252593]
RARRES3	11	2,44E-07	14,58	1,02	15,92	Homo sapiens retinoic acid receptor

						responder (tazarotene induced) 3 (RARRES3), mRNA [NM_004585]
BATF3	1	2,66E-03	14,56	1,29	15,89	Homo sapiens basic leucine zipper transcription factor, ATF-like 3 (BATF3), mRNA [NM_018664]
	3	1,35E-03	14,38	3,44	19,02	PREDICTED: Homo sapiens cytokine receptor CRL2 (LOC100287290), mRNA [XM_002342405]
	17	1,80E-05	14,31	1,36	14,14	lincRNA:chr17:78296530-78306830 reverse strand
PION	7	1,10E-05	14,24	1,03	15,31	Homo sapiens pigeon homolog (Drosophila) (PION), mRNA [NM_017439]
PLXDC1	17	6,07E-06	14,22	1,30	22,04	Homo sapiens plexin domain containing 1 (PLXDC1), mRNA [NM_020405]
IL12RB2	1	4,74E-07	13,80	1,08	14,16	Homo sapiens interleukin 12 receptor, beta 2 (IL12RB2), mRNA [NM_001559]
TLR2	4	1,22E-04	13,77	1,52	13,74	Homo sapiens toll-like receptor 2 (TLR2), mRNA [NM_003264]
HLA-DPA1	6	3,76E-07	13,68	1,01	16,36	Homo sapiens major histocompatibility complex, class II, DP alpha 1 (HLA-DPA1), transcript variant 2, mRNA [NM_001242524]
INPP1	2	3,08E-06	13,53	1,08	17,34	Homo sapiens inositol polyphosphate-1-phosphatase (INPP1), transcript variant 2, mRNA [NM_002194]
C9orf148	9	3,30E-04	13,27	2,17	11,82	PREDICTED: Homo sapiens chromosome 9 open reading frame 148 (C9orf148), partial miscRNA [XR_108994]
	1	8,34E-05	13,24	-1,21	12,84	lincRNA:chr1:89874262-89947412 reverse strand
IFIH1	2	2,47E-07	13,23	1,14	15,55	Homo sapiens interferon induced with helicase C domain 1 (IFIH1), mRNA [NM_022168]
SERPING1	11	2,21E-06	12,98	1,10	15,99	Homo sapiens serpin peptidase inhibitor, clade G (C1 inhibitor), member 1 (SERPING1), transcript variant 1,

						mRNA [NM_000062]
SP110	2	3,20E-07	12,97	1,37	14,69	Homo sapiens SP110 nuclear body protein (SP110), transcript variant b, mRNA [NM_004510]
KIF19	17	4,58E-05	12,70	1,16	13,61	Homo sapiens kinesin family member 19 (KIF19), mRNA [NM_153209]
IL15RA	10	1,66E-07	12,62	1,33	13,43	Homo sapiens interleukin 15 receptor, alpha (IL15RA), transcript variant 2, mRNA [NM_172200]
NINJ1	9	4,21E-05	12,56	1,05	13,86	Homo sapiens ninjurin 1 (NINJ1), mRNA [NM_004148]
TAP2	6	9,23E-07	12,49	1,07	12,57	Homo sapiens transporter 2, ATP-binding cassette, sub-family B (MDR/TAP) (TAP2), transcript variant 1, mRNA [NM_000544]
PDCD1LG2	9	7,32E-08	12,40	1,16	13,07	Homo sapiens programmed cell death 1 ligand 2 (PDCD1LG2), mRNA [NM_025239]
ISG15	1	6,50E-06	12,32	1,14	13,79	Homo sapiens ISG15 ubiquitin-like modifier (ISG15), mRNA [NM_005101]
RIPK2	8	4,02E-07	12,31	-1,00	13,35	Homo sapiens receptor-interacting serine-threonine kinase 2 (RIPK2), mRNA [NM_003821]
PSMB10	16	6,70E-08	12,29	-1,01	11,51	Homo sapiens proteasome (prosome, macropain) subunit, beta type, 10 (PSMB10), mRNA [NM_002801]
PDCD1LG2	9	2,54E-07	12,23	1,37	13,19	Homo sapiens programmed cell death 1 ligand 2 (PDCD1LG2), mRNA [NM_025239]
PARP14	3	3,18E-08	12,22	1,09	14,93	Homo sapiens poly (ADP-ribose) polymerase family, member 14 (PARP14), mRNA [NM_017554]
ARHGAP20	11	1,83E-04	12,12	-1,03	13,88	Homo sapiens Rho GTPase activating protein 20 (ARHGAP20), mRNA [NM_020809]
TNFRSF6B	20	6,40E-06	12,04	2,04	10,42	Homo sapiens tumor necrosis factor receptor superfamily, member 6b, decoy (TNFRSF6B), mRNA

						[NM_003823]
MRGPRX3	11	2,28E-04	11,97	1,32	13,11	Homo sapiens MAS-related GPR, member X3 (MRGPRX3), mRNA [NM_054031]
TBX21	17	3,66E-04	11,91	-1,32	16,87	Homo sapiens T-box 21 (TBX21), mRNA [NM_013351]
GLDC	9	3,62E-06	11,87	-1,10	13,80	Homo sapiens glycine dehydrogenase (decarboxylating) (GLDC), nuclear gene encoding mitochondrial protein, mRNA [NM_000170]
	17	4,49E-07	11,66	-1,16	10,04	lincRNA:chr17:78302232-78306261 forward strand
OAS2	12	6,85E-05	11,58	1,27	11,70	Homo sapiens 2'-5'-oligoadenylate synthetase 2, 69/71kDa (OAS2), transcript variant 3, mRNA [NM_001032731]
SLAMF8	1	3,55E-04	11,56	1,06	13,79	Homo sapiens SLAM family member 8 (SLAMF8), mRNA [NM_020125]
TNFSF13B	13	3,79E-06	11,55	-1,11	14,39	Homo sapiens tumor necrosis factor (ligand) superfamily, member 13b (TNFSF13B), transcript variant 1, mRNA [NM_006573]
CD274	9	3,17E-06	11,48	1,04	12,75	Homo sapiens CD274 molecule (CD274), mRNA [NM_014143]
DDX60L	4	1,05E-06	11,48	1,16	12,77	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 60-like (DDX60L), mRNA [NM_001012967]
TNFRSF1B	1	1,12E-04	11,46	-1,52	15,54	Homo sapiens tumor necrosis factor receptor superfamily, member 1B (TNFRSF1B), mRNA [NM_001066]
OASL	12	1,04E-04	11,43	-1,09	15,95	Homo sapiens 2'-5'-oligoadenylate synthetase-like (OASL), transcript variant 1, mRNA [NM_003733]
HLA-DRB1	6	2,53E-06	11,39	-1,05	13,89	Homo sapiens major histocompatibility complex, class II, DR beta 1 (HLA-DRB1), mRNA [NM_002124]
HCAR3	12	2,35E-05	11,39	1,46	12,07	Homo sapiens hydroxycarboxylic acid receptor 3

						(HCAR3), mRNA [NM_006018]
ZFYVE28	4	7,05E-04	11,35	2,12	14,52	Homo sapiens zinc finger, FYVE domain containing 28 (ZFYVE28), transcript variant 2, mRNA [NM_020972]
RNF213	17	3,59E-06	11,34	1,18	11,69	Homo sapiens ring finger protein 213 (RNF213), transcript variant 2, mRNA [NM_020954]
SOCS1	16	4,07E-06	11,33	-1,14	14,29	Homo sapiens suppressor of cytokine signaling 1 (SOCS1), mRNA [NM_003745]
NEURL3	2	9,24E-05	11,24	-1,17	11,88	Homo sapiens neuralized homolog 3 (Drosophila) pseudogene (NEURL3), non-coding RNA [NR_026875]
FAM167B	1	3,77E-06	11,12	1,22	11,88	Homo sapiens family with sequence similarity 167, member B (FAM167B), mRNA [NM_032648]
VNN3	6	1,11E-04	11,00	1,82	10,34	Homo sapiens vanin 3 (VNN3), transcript variant 1, non-coding RNA [NR_028291]
LAMP3	3	2,19E-03	10,91	1,20	14,09	Homo sapiens lysosomal-associated membrane protein 3 (LAMP3), mRNA [NM_014398]
CLU	8	1,82E-05	10,91	-1,04	15,06	Homo sapiens clusterin (CLU), transcript variant 2, mRNA [NM_203339]
NMI	2	4,66E-07	10,89	1,24	11,51	Homo sapiens N-myc (and STAT) interactor (NMI), mRNA [NM_004688]
IL4I1	19	1,14E-03	10,86	-1,05	12,45	Homo sapiens interleukin 4 induced 1 (IL4I1), transcript variant 2, mRNA [NM_172374]
SEPX1	16	4,69E-06	10,83	1,34	12,14	Homo sapiens selenoprotein X, 1 (SEPX1), mRNA [NM_016332]
	16	1,14E-04	10,78	1,05	11,28	Homo sapiens, clone IMAGE:5170250, mRNA. [BC029255]
PSMB8	6	6,48E-07	10,73	1,22	12,91	Homo sapiens proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional peptidase 7)

						(PSMB8), transcript variant 1, mRNA [NM_004159]
PLA2G3	22	1,87E-04	10,69	1,42	14,95	Homo sapiens phospholipase A2, group III (PLA2G3), mRNA [NM_015715]
CD274	9	3,16E-07	10,69	-1,09	11,94	Homo sapiens CD274 molecule (CD274), mRNA [NM_014143]
ST3GAL1	8	1,46E-04	10,62	1,10	12,27	Homo sapiens ST3 beta-galactoside alpha-2,3-sialyltransferase 1 (ST3GAL1), transcript variant 1, mRNA [NM_003033]
STEAP4	7	1,52E-04	10,52	1,27	13,09	Homo sapiens STEAP family member 4 (STEAP4), transcript variant 2, mRNA [NM_001205315]
	6	5,99E-04	10,48	-1,01	13,09	major histocompatibility complex, class II, DQ beta 1 [Source:HGNC Symbol;Acc:4944] [ENST00000547498]
IRF8	16	3,85E-03	10,46	1,17	13,32	Homo sapiens interferon regulatory factor 8 (IRF8), mRNA [NM_002163]
	6	8,61E-04	10,45	1,05	12,17	major histocompatibility complex, class II, DQ alpha 1 [Source:HGNC Symbol;Acc:4942] [ENST00000477036]
C8orf4	8	3,42E-04	10,43	1,10	8,07	Homo sapiens chromosome 8 open reading frame 4 (C8orf4), mRNA [NM_020130]
	17	8,17E-07	10,34	-1,12	8,95	lincRNA:chr17:78296530-78306830 forward strand
KLHDC7B	22	7,94E-05	10,33	1,18	12,23	Homo sapiens kelch domain containing 7B (KLHDC7B), mRNA [NM_138433]
ACSL5	10	1,55E-05	10,30	-1,12	9,84	Homo sapiens acyl-CoA synthetase long-chain family member 5 (ACSL5), transcript variant 3, mRNA [NM_203380]
HLA-DPB1	6	5,66E-04	10,25	1,03	12,05	Homo sapiens major histocompatibility complex, class II, DP beta 1 (HLA-DPB1), mRNA [NM_002121]
G0S2	1	1,20E-04	10,15	-1,12	10,11	Homo sapiens G0/G1switch 2 (G0S2), mRNA [NM_015714]

	17	4,39E-07	10,15	-1,11	9,59	lincRNA:chr17:78301614-78306077 forward strand
ZC3HAV1	7	3,17E-06	10,13	1,16	10,76	Homo sapiens zinc finger CCCH-type, antiviral 1 (ZC3HAV1), transcript variant 2, mRNA [NM_024625]
ENKUR	10	1,37E-05	10,03	3,03	6,80	Homo sapiens enkurin, TRPC channel interacting protein (ENKUR), mRNA [NM_145010]
ITK	5	4,31E-04	9,84	1,04	13,98	Homo sapiens IL2-inducible T-cell kinase (ITK), mRNA [NM_005546]
SGPP2	2	7,03E-04	9,64	1,05	11,26	sphingosine-1-phosphate phosphatase 2 [Source:HGNC Symbol;Acc:19953] [ENST00000321276]
TNFRSF6B	20	5,53E-06	9,62	1,78	8,26	Homo sapiens tumor necrosis factor receptor superfamily, member 6b, decoy (TNFRSF6B), mRNA [NM_003823]
PLSCR4	3	1,51E-05	9,61	1,74	10,76	Homo sapiens phospholipid scramblase 4 (PLSCR4), transcript variant 2, mRNA [NM_020353]
HLA-F	6	2,33E-05	9,50	1,16	10,36	Homo sapiens major histocompatibility complex, class I, F (HLA-F), transcript variant 3, mRNA [NM_001098478]
04-set	17	2,93E-06	9,47	1,71	8,74	Homo sapiens septin 4 (SEPT4), transcript variant 1, mRNA [NM_004574]
STAT5A	17	1,53E-04	9,02	1,23	10,25	Homo sapiens signal transducer and activator of transcription 5A (STAT5A), mRNA [NM_003152]
PML	15	7,59E-07	9,01	1,23	9,24	Homo sapiens promyelocytic leukemia (PML), transcript variant 1, mRNA [NM_033238]
LOC100129935	19	1,14E-03	9,00	1,04	12,50	Homo sapiens lectin, galactoside-binding, soluble, 14 pseudogene (LOC100129935), non-coding RNA [NR_026870]
CCRL2	3	5,39E-04	8,93	1,43	11,58	Homo sapiens chemokine (C-C motif) receptor-like 2 (CCRL2), transcript variant 1, mRNA

						[NM_003965]
MLKL	16	3,69E-06	8,90	1,26	9,46	Homo sapiens mixed lineage kinase domain-like (MLKL), transcript variant 1, mRNA [NM_152649]
		1,90E-05	8,77	1,12	9,35	major histocompatibility complex, class I, B [Source:HGNC Symbol;Acc:4932] [ENST00000466304]
	1	1,28E-03	8,75	-1,05	9,33	lincRNA:chr1:204566252-204573127 forward strand
EDNRA	4	6,22E-07	8,73	1,19	10,80	Homo sapiens endothelin receptor type A (EDNRA), transcript variant 1, mRNA [NM_001957]
IL7R	5	5,74E-05	8,73	1,21	9,16	Homo sapiens interleukin 7 receptor (IL7R), mRNA [NM_002185]
ACE2	X	7,55E-07	8,72	1,06	9,64	Homo sapiens angiotensin I converting enzyme (peptidyl-dipeptidase A) 2 (ACE2), mRNA [NM_021804]
PRIC285	20	8,48E-07	8,72	1,13	8,83	Homo sapiens peroxisomal proliferator-activated receptor A interacting complex 285 (PRIC285), transcript variant 1, mRNA [NM_001037335]
KCTD14	11	1,07E-05	8,68	1,19	9,31	Homo sapiens potassium channel tetramerisation domain containing 14 (KCTD14), mRNA [NM_023930]
TNFAIP2	14	1,91E-03	8,61	-1,06	10,88	Homo sapiens tumor necrosis factor, alpha-induced protein 2 (TNFAIP2), mRNA [NM_006291]
	5	2,32E-04	8,59	-1,93	9,37	lincRNA:chr5:131798076-131807951 forward strand
HCAR2	12	8,05E-05	8,46	1,33	9,13	Homo sapiens hydroxycarboxylic acid receptor 2 (HCAR2), mRNA [NM_177551]
MMP25	16	1,20E-07	8,45	1,09	9,62	Homo sapiens matrix metallopeptidase 25 (MMP25), mRNA [NM_022468]
TRIM17	1	1,94E-05	8,20	1,03	9,94	Homo sapiens tripartite motif containing 17 (TRIM17), transcript variant 1, mRNA [NM_016102]
ISG20	15	3,63E-06	8,13	-1,14	8,37	Homo sapiens interferon stimulated

						exonuclease gene 20kDa (ISG20), mRNA [NM_002201]
C5orf56	5	1,82E-05	8,10	-1,42	7,59	Homo sapiens chromosome 5 open reading frame 56 (C5orf56), transcript variant 1, mRNA [NM_001013717]
FRMD3	9	3,19E-04	8,07	1,02	9,73	Homo sapiens FERM domain containing 3 (FRMD3), mRNA [NM_174938]
MEI1	22	2,15E-03	8,04	-1,10	8,03	Homo sapiens meiosis inhibitor 1 (MEI1), mRNA [NM_152513]
SGPP2	2	1,03E-03	8,02	1,08	8,60	Homo sapiens sphingosine-1-phosphate phosphatase 2 (SGPP2), mRNA [NM_152386]
MDGA1	6	5,22E-03	8,01	1,36	9,09	Homo sapiens MAM domain containing glycosylphosphatidylinositol anchor 1 (MDGA1), mRNA [NM_153487]
SIGLEC16	19	6,30E-06	7,79	1,03	8,22	Homo sapiens sialic acid binding Ig-like lectin 16 (gene/pseudogene) (SIGLEC16), non-coding RNA [NR_002825]
MRGPRX4	11	3,59E-04	7,78	1,07	8,27	Homo sapiens MAS-related GPR, member X4 (MRGPRX4), mRNA [NM_054032]
ABCB9	12	2,66E-06	7,70	1,02	9,24	ATP-binding cassette, sub-family B (MDR/TAP), member 9 [Source:HGNC Symbol;Acc:50] [ENST00000537276]
BIRC3	11	1,06E-03	7,69	1,00	8,85	Homo sapiens baculoviral IAP repeat containing 3 (BIRC3), transcript variant 1, mRNA [NM_001165]
TMEM158	3	1,30E-05	7,69	1,09	8,36	Homo sapiens transmembrane protein 158 (gene/pseudogene) (TMEM158), mRNA [NM_015444]
CXCL2	4	7,50E-07	7,67	1,10	8,43	Homo sapiens chemokine (C-X-C motif) ligand 2 (CXCL2), mRNA [NM_002089]
HERC6	4	1,80E-07	7,66	1,20	8,35	Homo sapiens hect domain and RLD 6 (HERC6), transcript variant 1, mRNA

						[NM_017912]
HCP5	6	4,58E-06	7,64	1,08	8,56	Homo sapiens HLA complex P5 (HCP5), mRNA [NM_006674]
TNF	6	1,92E-04	7,61	-1,02	7,81	Homo sapiens tumor necrosis factor (TNF), mRNA [NM_000594]
IFIT1B	10	7,48E-03	7,59	-1,30	8,60	Homo sapiens interferon-induced protein with tetratricopeptide repeats 1B (IFIT1B), mRNA [NM_001010987]
ALOX12	17	1,04E-03	7,38	-1,10	7,71	Homo sapiens arachidonate 12-lipoxygenase (ALOX12), mRNA [NM_000697]
PARP12	7	2,89E-07	7,38	1,18	7,63	Homo sapiens poly (ADP-ribose) polymerase family, member 12 (PARP12), mRNA [NM_022750]
	3	3,65E-05	7,36	1,03	7,99	lincRNA:chr3:158458223-158461125 forward strand
PLAT	8	1,07E-03	7,34	3,82	6,19	Homo sapiens plasminogen activator, tissue (PLAT), transcript variant 1, mRNA [NM_000930]
DTX3L	3	6,60E-06	7,31	1,31	7,28	Homo sapiens deltex 3-like (Drosophila) (DTX3L), mRNA [NM_138287]
MMP1	11	1,14E-02	7,29	1,38	8,06	Homo sapiens matrix metallopeptidase 1 (interstitial collagenase) (MMP1), transcript variant 1, mRNA [NM_002421]
PDE4DIP	1	2,48E-07	7,24	1,05	9,86	Homo sapiens phosphodiesterase 4D interacting protein (PDE4DIP), transcript variant 3, mRNA [NM_022359]
KIF12	9	3,99E-03	7,24	1,36	6,95	Homo sapiens kinesin family member 12 (KIF12), mRNA [NM_138424]
FBLN5	14	4,29E-05	7,21	1,07	8,43	Homo sapiens fibulin 5 (FBLN5), mRNA [NM_006329]
ART3	4	1,32E-04	7,21	1,01	7,17	Homo sapiens ADP-ribosyltransferase 3 (ART3), transcript variant 3, mRNA [NM_001130017]
PLSCR1	3	3,38E-07	7,19	1,05	7,77	Homo sapiens phospholipid scramblase 1 (PLSCR1), mRNA [NM_021105]

CYP27B1	12	1,19E-04	7,16	1,60	6,76	Homo sapiens cytochrome P450, family 27, subfamily B, polypeptide 1 (CYP27B1), nuclear gene encoding mitochondrial protein, mRNA [NM_000785]
MMP3	11	2,63E-03	7,08	1,99	5,93	Homo sapiens matrix metallopeptidase 3 (stromelysin 1, progelatinase) (MMP3), mRNA [NM_002422]
RNF19B	1	4,65E-06	7,04	-1,02	8,08	Homo sapiens ring finger protein 19B (RNF19B), transcript variant 1, mRNA [NM_153341]
	8	3,66E-04	7,03	-1,08	8,39	lincRNA:chr8:90617816-90618164 reverse strand
LOC100507410	17	1,01E-02	7,02	1,10	5,42	Homo sapiens hypothetical LOC100507410 (LOC100507410), transcript variant 1, non-coding RNA [NR_040018]
DHX58	17	9,92E-07	6,98	1,14	7,23	Homo sapiens DEXH (Asp-Glu-X-His) box polypeptide 58 (DHX58), mRNA [NM_024119]
DPYD	1	1,01E-06	6,97	1,21	7,70	Homo sapiens dihydropyrimidine dehydrogenase (DPYD), transcript variant 1, mRNA [NM_000110]
IFIT5	10	4,15E-05	6,96	1,10	6,96	Homo sapiens interferon-induced protein with tetratricopeptide repeats 5 (IFIT5), mRNA [NM_012420]
TRIM31	6	1,53E-04	6,94	-1,34	6,96	Homo sapiens tripartite motif containing 31 (TRIM31), mRNA [NM_007028]
HCG26	6	4,24E-04	6,93	1,04	7,59	Homo sapiens HLA complex group 26 (non-protein coding) (HCG26), non-coding RNA [NR_002812]
TSIX	X	9,49E-05	6,91	-1,07	7,76	Homo sapiens TSIX transcript, XIST antisense RNA (non-protein coding) (TSIX), antisense RNA [NR_003255]
LOC283485	13	6,92E-04	6,85	-1,03	7,26	Homo sapiens cDNA FLJ36543 fis, clone TRACH2006194. [AK093862]
MYOM3	1	8,05E-06	6,82	1,34	7,10	Homo sapiens myomesin family,

						member 3 (MYOM3), mRNA [NM_152372]
C2CD4A	15	2,08E-04	6,79	1,65	7,45	Homo sapiens C2 calcium-dependent domain containing 4A (C2CD4A), mRNA [NM_207322]
MX2	21	1,29E-04	6,76	1,27	7,72	Homo sapiens myxovirus (influenza virus) resistance 2 (mouse) (MX2), mRNA [NM_002463]
	11	1,17E-03	6,75	1,23	7,32	lincRNA:chr11:59026224-59031774 reverse strand
CD7	17	8,51E-04	6,73	-1,27	8,32	Homo sapiens CD7 molecule (CD7), mRNA [NM_006137]
BCL2A1	15	2,31E-03	6,68	1,11	7,32	Homo sapiens BCL2-related protein A1 (BCL2A1), transcript variant 1, mRNA [NM_004049]
TRIM17	1	1,10E-05	6,68	1,02	7,38	Homo sapiens tripartite motif containing 17 (TRIM17), transcript variant 4, mRNA [NM_001134855]
FAM20A	17	1,80E-02	6,66	1,04	5,82	Homo sapiens family with sequence similarity 20, member A (FAM20A), transcript variant 1, mRNA [NM_017565]
CSF2	5	1,11E-02	6,65	-1,06	6,75	Homo sapiens colony stimulating factor 2 (granulocyte-macrophage) (CSF2), mRNA [NM_000758]
LOC151657	3	4,82E-04	6,63	-1,00	5,53	Homo sapiens cDNA FLJ33795 fis, clone CTONG1000097. [AK091114]
MAFB	20	8,50E-05	6,61	1,51	7,22	Homo sapiens v-maf musculoaponeurotic fibrosarcoma oncogene homolog B (avian) (MAFB), mRNA [NM_005461]
SLC28A3	9	2,87E-04	6,61	1,29	7,40	Homo sapiens solute carrier family 28 (sodium-coupled nucleoside transporter), member 3 (SLC28A3), transcript variant 2, mRNA [NM_022127]
PRRT2	16	1,02E-04	6,56	-1,11	6,33	Homo sapiens proline-rich transmembrane protein 2 (PRRT2), mRNA [NM_145239]
CLCA3P	1	1,38E-05	6,55	1,05	7,64	Homo sapiens chloride channel accessory 3, pseudogene (CLCA3P), non-

						coding RNA [NR_024604]
GCH1	14	2,60E-04	6,55	1,11	7,35	Homo sapiens GTP cyclohydrolase 1 (GCH1), transcript variant 1, mRNA [NM_000161]
PDZK1IP1	1	1,30E-03	6,52	2,59	6,55	Homo sapiens PDZK1 interacting protein 1 (PDZK1IP1), mRNA [NM_005764]
	17	1,27E-02	6,52	-1,04	7,13	Homo sapiens, Similar to nitric oxide synthase 2A (inducible, hepatocytes), clone IMAGE:5168672, mRNA. [BC044655]
HSH2D	19	1,16E-05	6,50	1,07	7,98	Homo sapiens hematopoietic SH2 domain containing (HSH2D), mRNA [NM_032855]
GBP3	1	5,37E-07	6,45	1,05	6,27	Homo sapiens guanylate binding protein 3 (GBP3), mRNA [NM_018284]
PLAUR	19	5,17E-04	6,45	1,22	7,21	Homo sapiens plasminogen activator, urokinase receptor (PLAUR), transcript variant 3, mRNA [NM_001005377]
PMCH	12	8,84E-04	6,44	1,13	8,10	Homo sapiens pro-melanin-concentrating hormone (PMCH), mRNA [NM_002674]
MUC1	1	1,10E-04	6,43	1,48	7,33	Homo sapiens mucin 1, cell surface associated (MUC1), transcript variant 1, mRNA [NM_002456]
RASGRP1	15	7,24E-04	6,39	1,34	7,16	Homo sapiens RAS guanyl releasing protein 1 (calcium and DAG-regulated) (RASGRP1), transcript variant 1, mRNA [NM_005739]
IL33	9	1,63E-03	6,38	1,19	6,01	Homo sapiens interleukin 33 (IL33), transcript variant 1, mRNA [NM_033439]
CFB	6	5,40E-05	6,37	1,32	7,13	Homo sapiens complement factor B (CFB), mRNA [NM_001710]
IGFLR1	19	8,57E-06	6,36	1,08	7,41	Homo sapiens IGF-like family receptor 1 (IGFLR1), mRNA [NM_024660]
STX11	6	2,15E-06	6,35	1,17	8,45	Homo sapiens syntaxin 11 (STX11), mRNA [NM_003764]

VEGFC	4	2,11E-07	6,33	1,14	6,02	Homo sapiens vascular endothelial growth factor C (VEGFC), mRNA [NM_005429]
APOL1	22	4,93E-05	6,28	-1,08	6,07	Homo sapiens apolipoprotein L, 1 (APOL1), transcript variant 2, mRNA [NM_145343]
CBR3	21	3,49E-05	6,28	1,19	7,27	Homo sapiens carbonyl reductase 3 (CBR3), mRNA [NM_001236]
	8	6,00E-04	6,28	-1,05	6,42	lincRNA:chr8:90736857-90737871 reverse strand
CD40	20	3,44E-05	6,28	1,07	6,47	Homo sapiens CD40 molecule, TNF receptor superfamily member 5 (CD40), transcript variant 1, mRNA [NM_001250]
MTMR9LP	1	6,17E-06	6,27	-1,07	6,45	Homo sapiens myotubularin related protein 9-like, pseudogene (MTMR9LP), non-coding RNA [NR_026850]
SP100	2	1,15E-05	6,26	1,16	6,95	Homo sapiens SP100 nuclear antigen (SP100), transcript variant 2, mRNA [NM_003113]
BATF	14	9,18E-07	6,25	-1,09	7,69	Homo sapiens basic leucine zipper transcription factor, ATF-like (BATF), mRNA [NM_006399]
CH25H	10	1,76E-03	6,24	-1,33	6,64	Homo sapiens cholesterol 25-hydroxylase (CH25H), mRNA [NM_003956]
ARHGAP25	2	3,98E-06	6,19	1,18	6,82	Homo sapiens Rho GTPase activating protein 25 (ARHGAP25), transcript variant 1, mRNA [NM_001007231]
PDE4DIP	1	1,33E-06	6,19	-1,05	7,89	Homo sapiens phosphodiesterase 4D interacting protein (PDE4DIP), transcript variant 3, mRNA [NM_022359]
HLA-DQB1	6	1,36E-03	6,18	-1,02	7,46	Homo sapiens major histocompatibility complex, class II, DQ beta 1 (HLA-DQB1), mRNA [NM_002123]
HAS3	16	6,40E-05	6,16	1,26	7,28	Homo sapiens hyaluronan synthase 3 (HAS3), transcript variant 1, mRNA [NM_005329]
RASGRP3	2	9,46E-05	6,16	1,29	7,39	Homo sapiens RAS

						guanyl releasing protein 3 (calcium and DAG-regulated) (RASGRP3), transcript variant 2, mRNA [NM_170672]
DUOXA2	15	2,97E-03	6,15	-1,13	7,67	Homo sapiens dual oxidase maturation factor 2 (DUOXA2), mRNA [NM_207581]
	1_gl000192_random	1,22E-04	6,14	-1,09	6,53	Homo sapiens cDNA clone IMAGE:6499259, partial cds. [BC070144]
PRDM1	6	1,05E-03	6,13	-1,17	7,11	Homo sapiens PR domain containing 1, with ZNF domain (PRDM1), transcript variant 1, mRNA [NM_001198]
MAFB	20	7,90E-05	6,11	1,57	6,83	Homo sapiens v-maf musculoaponeurotic fibrosarcoma oncogene homolog B (avian) (MAFB), mRNA [NM_005461]
ERAP2	5	4,65E-07	6,11	1,19	5,98	Homo sapiens endoplasmic reticulum aminopeptidase 2 (ERAP2), transcript variant 1, mRNA [NM_022350]
PDP1	8	8,37E-06	6,09	1,23	6,36	Homo sapiens pyruvate dehyrogenase phosphatase catalytic subunit 1 (PDP1), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA [NM_001161779]
LOC642924	8	8,91E-04	6,07	1,05	5,58	Homo sapiens hypothetical LOC642924 (LOC642924), non-coding RNA [NR_033858]
LOC100128697	10	2,01E-03	5,99	1,58	6,03	Homo sapiens cDNA FLJ42049 fis, clone SPLEN2041720. [AK124043]
	1	2,74E-03	5,99	1,16	5,11	DB335107 SYNOV4 Homo sapiens cDNA clone SYNOV4009599 3', mRNA sequence [DB335107]
CXCL2	4	6,84E-05	5,98	1,30	6,68	Homo sapiens chemokine (C-X-C motif) ligand 2 (CXCL2), mRNA [NM_002089]
	13	1,97E-05	5,93	1,11	5,71	Q5FW56_MOUSE (Q5FW56) Gm687 protein (Fragment),

						partial (19%) [THC2712321]
CTSO	4	8,96E-09	5,86	1,08	5,95	Homo sapiens cathepsin O (CTSO), mRNA [NM_001334]
HSD17B2	16	3,73E-04	5,82	1,62	5,86	Homo sapiens hydroxysteroid (17-beta) dehydrogenase 2 (HSD17B2), mRNA [NM_002153]
TMEM217	6	2,24E-04	5,78	1,10	7,43	Homo sapiens transmembrane protein 217 (TMEM217), transcript variant 1, mRNA [NM_145316]
S100A7A	1	5,71E-03	5,77	22,14	2,14	Homo sapiens S100 calcium binding protein A7A (S100A7A), mRNA [NM_176823]
TGM2	20	2,80E-03	5,75	1,19	5,39	Homo sapiens transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase) (TGM2), transcript variant 1, mRNA [NM_004613]
TLR3	4	7,61E-05	5,73	1,30	5,94	Homo sapiens toll-like receptor 3 (TLR3), mRNA [NM_003265]
CA13	8	6,26E-07	5,72	1,02	5,64	Homo sapiens carbonic anhydrase XIII (CA13), mRNA [NM_198584]
LOC100134229	7	7,87E-07	5,68	1,28	5,49	Homo sapiens hypothetical LOC100134229 (LOC100134229), non-coding RNA [NR_024451]
RBM11	21	1,08E-03	5,66	1,21	7,77	Homo sapiens RNA binding motif protein 11 (RBM11), mRNA [NM_144770]
FBXO6	1	1,41E-05	5,66	1,14	6,67	Homo sapiens F-box protein 6 (FBXO6), mRNA [NM_018438]
CEACAM1	19	1,66E-05	5,66	1,16	5,91	Homo sapiens carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein) (CEACAM1), transcript variant 1, mRNA [NM_001712]
OSR1	2	9,48E-03	5,65	-1,25	5,61	Homo sapiens odd-skipped related 1 (Drosophila) (OSR1), mRNA [NM_145260]
TRIM21	11	7,05E-07	5,65	1,14	5,92	Homo sapiens tripartite motif containing 21 (TRIM21), mRNA [NM_003141]
	6	1,88E-03	5,64	1,18	6,44	lincRNA:chr6:221473

						57-22194410 reverse strand
	3	1,57E-04	5,64	1,05	6,04	lincRNA:chr3:158458205-158460904 forward strand
CAND2	3	4,84E-05	5,63	-1,02	7,45	Homo sapiens cullin-associated and neddylation-dissociated 2 (putative) (CAND2), transcript variant 2, mRNA [NM_012298]
NRP2	2	4,90E-05	5,63	1,19	6,25	Homo sapiens neuropilin 2 (NRP2), transcript variant 6, mRNA [NM_201264]
GPR68	14	3,85E-05	5,59	1,77	5,17	Homo sapiens G protein-coupled receptor 68 (GPR68), transcript variant 2, mRNA [NM_003485]
BTC	4	1,72E-04	5,58	-1,25	6,30	Homo sapiens betacellulin (BTC), mRNA [NM_001729]
C6orf222	6	3,55E-03	5,57	1,09	7,36	Homo sapiens chromosome 6 open reading frame 222 (C6orf222), mRNA [NM_001010903]
SP140	2	5,47E-07	5,57	-1,04	5,75	Homo sapiens SP140 nuclear body protein (SP140), transcript variant 1, mRNA [NM_007237]
PDE4DIP	1	3,59E-06	5,55	1,11	6,54	Homo sapiens phosphodiesterase 4D interacting protein (PDE4DIP), transcript variant 9, mRNA [NM_001198834]
SP140L	2	2,83E-06	5,51	1,01	6,24	Homo sapiens SP140 nuclear body protein-like (SP140L), mRNA [NM_138402]
ECSCR	5	2,76E-03	5,51	1,05	4,91	Homo sapiens endothelial cell-specific chemotaxis regulator (ECSCR), mRNA [NM_001077693]
LMO2	11	4,42E-05	5,49	1,12	5,94	Homo sapiens LIM domain only 2 (rhombotin-like 1) (LMO2), transcript variant 1, mRNA [NM_005574]
NLRP3	1	4,00E-03	5,49	1,15	5,17	Homo sapiens NLR family, pyrin domain containing 3 (NLRP3), transcript variant 3, mRNA [NM_001079821]
HSD11B1	1	1,90E-03	5,46	1,07	5,32	Homo sapiens hydroxysteroid (11-beta) dehydrogenase 1 (HSD11B1),

						transcript variant 2, mRNA [NM_181755]
PTAFR	1	1,27E-03	5,46	1,19	6,40	Homo sapiens platelet-activating factor receptor (PTAFR), transcript variant 3, mRNA [NM_000952]
ADCY4	14	2,60E-04	5,45	1,30	5,58	Homo sapiens adenylate cyclase 4 (ADCY4), transcript variant 2, mRNA [NM_139247]
IL6	7	5,34E-05	5,43	1,05	5,34	Homo sapiens interleukin 6 (interferon, beta 2) (IL6), mRNA [NM_000600]
ABI3BP	3	1,10E-03	5,42	1,06	5,30	Homo sapiens ABI family, member 3 (NESH) binding protein (ABI3BP), mRNA [NM_015429]
PDE4DIP	1	4,11E-06	5,42	1,03	7,11	Homo sapiens phosphodiesterase 4D interacting protein (PDE4DIP), transcript variant 9, mRNA [NM_001198834]
PDE4DIP	1	2,06E-07	5,41	1,02	7,72	Homo sapiens phosphodiesterase 4D interacting protein (PDE4DIP), transcript variant 1, mRNA [NM_014644]
FAM115C	7	1,17E-04	5,41	1,76	5,35	Homo sapiens family with sequence similarity 115, member C (FAM115C), transcript variant 3, mRNA [NM_001130026]
ADAM8	10	4,88E-05	5,39	1,19	5,07	Homo sapiens ADAM metallopeptidase domain 8 (ADAM8), transcript variant 1, mRNA [NM_001109]
TMEM106A	17	3,89E-05	5,39	-1,34	5,44	Homo sapiens transmembrane protein 106A (TMEM106A), mRNA [NM_145041]
C2	6	7,69E-04	5,39	-1,13	6,35	Homo sapiens complement component 2 (C2), transcript variant 3, mRNA [NM_001178063]
	2	1,12E-02	5,37	-1,21	4,44	lincRNA:chr2:102597068-102606493 forward strand
KLHDC7B	22	5,89E-06	5,36	1,13	5,50	Homo sapiens kelch domain containing 7B (KLHDC7B), mRNA [NM_138433]
VSNL1	2	3,79E-05	5,35	1,17	5,55	Homo sapiens

						visinin-like 1 (VSNL1), mRNA [NM_003385]
SLC10A2	13	3,55E-02	5,34	-1,40	6,39	Homo sapiens solute carrier family 10 (sodium/bile acid cotransporter family), member 2 (SLC10A2), mRNA [NM_000452]
IL15RA	10	8,18E-06	5,34	1,30	5,78	Homo sapiens interleukin 15 receptor, alpha (IL15RA), transcript variant 1, mRNA [NM_002189]
CD53	1	4,57E-03	5,33	-1,21	7,63	Homo sapiens CD53 molecule (CD53), transcript variant 1, mRNA [NM_001040033]
CD40	20	2,65E-05	5,33	1,03	5,79	Homo sapiens CD40 molecule, TNF receptor superfamily member 5 (CD40), transcript variant 1, mRNA [NM_001250]
TAPBPL	12	1,42E-04	5,30	1,08	5,49	Homo sapiens TAP binding protein-like (TAPBPL), mRNA [NM_018009]
TDRD7	9	2,32E-05	5,30	1,06	5,63	Homo sapiens tudor domain containing 7 (TDRD7), mRNA [NM_014290]
SAA2	11	1,52E-04	5,29	1,38	4,87	Homo sapiens serum amyloid A2 (SAA2), transcript variant 2, mRNA [NM_001127380]
LRRTM2	5	2,05E-02	5,29	1,03	3,58	Homo sapiens leucine rich repeat transmembrane neuronal 2 (LRRTM2), mRNA [NM_015564]
MMP12	11	3,53E-02	5,28	1,16	5,25	Homo sapiens matrix metallopeptidase 12 (macrophage elastase) (MMP12), mRNA [NM_002426]
LOC646999	7	3,26E-05	5,25	-1,20	6,29	Homo sapiens akirin 1 pseudogene (LOC646999), non-coding RNA [NR_024390]
	1	6,71E-04	5,23	1,06	7,42	phosphodiesterase 4D interacting protein [Source:HGNC Symbol;Acc:15580] [ENST00000479369]
CASP1	11	1,64E-07	5,21	1,17	5,34	Homo sapiens caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase) (CASP1), transcript variant alpha, mRNA

						[NM_033292]
C16orf7	16	7,13E-07	5,20	1,02	5,69	Homo sapiens chromosome 16 open reading frame 7 (C16orf7), mRNA [NM_004913]
HLA-DRB6	6	9,19E-05	5,18	1,05	6,15	Homo sapiens major histocompatibility complex, class II, DR beta 6 (pseudogene) (HLA-DRB6), non-coding RNA [NR_001298]
SPP1	4	8,57E-06	5,18	-1,02	3,78	Homo sapiens secreted phosphoprotein 1 (SPP1), transcript variant 1, mRNA [NM_001040058]
SLC4A1	17	3,29E-04	5,17	1,11	6,92	Homo sapiens solute carrier family 4, anion exchanger, member 1 (erythrocyte membrane protein band 3, Diego blood group) (SLC4A1), mRNA [NM_000342]
CTSC	11	1,63E-04	5,15	1,11	5,64	Homo sapiens cathepsin C (CTSC), transcript variant 3, mRNA [NM_001114173]
C12orf34	12	6,13E-04	5,14	1,12	9,14	Homo sapiens chromosome 12 open reading frame 34 (C12orf34), mRNA [NM_032829]
LOC100129597	13	8,18E-03	5,13	1,49	5,24	PREDICTED: Homo sapiens hypothetical LOC100129597 (LOC100129597), partial miscRNA [XR_110123]
HS3ST1	4	3,66E-04	5,13	1,49	5,38	Homo sapiens heparan sulfate (glucosamine) 3-O-sulfotransferase 1 (HS3ST1), mRNA [NM_005114]
CD38	4	1,17E-04	5,10	-1,28	6,04	Homo sapiens CD38 molecule (CD38), mRNA [NM_001775]
IRF7	11	3,72E-06	5,09	1,27	5,77	Homo sapiens interferon regulatory factor 7 (IRF7), transcript variant d, mRNA [NM_004031]
ENKUR	10	4,80E-03	5,05	1,17	3,59	Homo sapiens enkurin, TRPC channel interacting protein (ENKUR), mRNA [NM_145010]
ITPKC	19	2,21E-04	5,04	1,09	6,17	Homo sapiens inositol-trisphosphate 3-kinase C (ITPKC), mRNA [NM_025194]
UBA7	3	5,25E-07	5,03	1,23	5,08	Homo sapiens ubiquitin-like modifier

						activating enzyme 7 (UBA7), mRNA [NM_003335]
FYB	5	9,89E-06	5,00	1,07	5,07	Homo sapiens FYN binding protein (FYB), transcript variant 1, mRNA [NM_001465]
INSC	11	3,52E-03	4,99	1,44	4,02	Homo sapiens inscuteable homolog (Drosophila) (INSC), transcript variant 1, mRNA [NM_001031853]
ALPK1	4	6,97E-06	4,98	1,14	5,01	Homo sapiens alpha-kinase 1 (ALPK1), transcript variant 1, mRNA [NM_025144]
HSPA6	1	1,19E-04	4,97	1,71	6,00	Homo sapiens heat shock 70kDa protein 6 (HSP70B') (HSPA6), mRNA [NM_002155]
GRAMD3	5	2,09E-06	4,94	1,06	5,46	Homo sapiens GRAM domain containing 3 (GRAMD3), transcript variant 2, mRNA [NM_023927]
XLOC_002746	3	7,95E-04	4,94	-1,10	4,88	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
IRAK2	3	1,36E-04	4,92	1,12	4,72	Homo sapiens interleukin-1 receptor-associated kinase 2 (IRAK2), mRNA [NM_001570]
HLA-J	6	7,16E-06	4,92	1,10	5,33	Homo sapiens major histocompatibility complex, class I, J (pseudogene) (HLA-J), non-coding RNA [NR_024240]
TNFRSF14	1	1,01E-06	4,91	1,07	4,88	Homo sapiens tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediator) (TNFRSF14), mRNA [NM_003820]
SP100	2	1,46E-05	4,91	-1,16	5,20	Homo sapiens SP100 nuclear antigen (SP100), transcript variant 1, mRNA [NM_001080391]
CASP10	2	8,27E-07	4,89	1,08	5,04	Homo sapiens caspase 10, apoptosis-related cysteine peptidase (CASP10), transcript variant 1, mRNA [NM_032977]
PDPN	1	2,04E-05	4,89	1,26	4,87	Homo sapiens podoplanin (PDPN), transcript variant 2,

						mRNA [NM_198389]
LYN	8	2,06E-05	4,89	1,52	5,17	Homo sapiens v-yes-1 Yamaguchi sarcoma viral related oncogene homolog (LYN), transcript variant 1, mRNA [NM_002350]
IL12A	3	5,39E-05	4,88	-1,34	5,14	Homo sapiens interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35) (IL12A), mRNA [NM_000882]
	2	2,67E-04	4,88	1,02	4,50	DB013410 TESOP2 Homo sapiens cDNA clone TESOP2001961 5', mRNA sequence [DB013410]
GUCA1B	6	6,31E-06	4,87	1,23	5,32	Homo sapiens guanylate cyclase activator 1B (retina) (GUCA1B), mRNA [NM_002098]
PION	7	2,24E-04	4,86	-1,24	4,96	pigeon homolog (Drosophila) [Source:HGNC Symbol;Acc:28042] [ENST00000334003]
IRF9	14	1,04E-04	4,85	1,51	5,12	Homo sapiens interferon regulatory factor 9 (IRF9), mRNA [NM_006084]
PML	15	9,48E-08	4,85	1,13	5,27	Homo sapiens promyelocytic leukemia (PML), transcript variant 8, mRNA [NM_033247]
FLT3LG	19	7,63E-06	4,84	1,10	4,95	Homo sapiens fms-related tyrosine kinase 3 ligand (FLT3LG), transcript variant 3, mRNA [NM_001459]
CMPK2	2	1,61E-03	4,79	-1,14	5,13	Homo sapiens cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial, mRNA (cDNA clone MGC:164756 IMAGE:40147165), complete cds. [BC141802]
NRP2	2	1,03E-04	4,78	1,29	4,83	Homo sapiens neuropilin 2 (NRP2), transcript variant 1, mRNA [NM_201266]
RBM20	10	7,54E-07	4,77	1,15	4,71	Homo sapiens RNA binding motif protein 20 (RBM20), mRNA [NM_001134363]
SERPINB9	6	7,30E-04	4,76	1,21	4,92	Homo sapiens serpin peptidase inhibitor, clade B (ovalbumin), member 9

						(SERPINB9), mRNA [NM_004155]
MAP3K8	10	5,71E-04	4,76	1,34	6,02	Homo sapiens mitogen-activated protein kinase kinase kinase 8 (MAP3K8), mRNA [NM_005204]
DYRK4	12	1,60E-07	4,75	1,09	5,14	Homo sapiens dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 4 (DYRK4), mRNA [NM_003845]
PSME2	14	3,22E-07	4,74	1,09	4,55	Homo sapiens proteasome (prosome, macropain) activator subunit 2 (PA28 beta) (PSME2), mRNA [NM_002818]
JHDM1D	7	1,15E-05	4,74	1,32	4,72	Homo sapiens jumonji C domain containing histone demethylase 1 homolog D (S. cerevisiae) (JHDM1D), mRNA [NM_030647]
TNFAIP3	6	4,97E-04	4,74	-1,14	4,80	Homo sapiens tumor necrosis factor, alpha-induced protein 3 (TNFAIP3), mRNA [NM_006290]
PTN	7	5,37E-05	4,74	-1,55	6,01	Homo sapiens pleiotrophin (PTN), mRNA [NM_002825]
LY75	2	2,86E-05	4,71	1,17	4,55	Homo sapiens lymphocyte antigen 75 (LY75), mRNA [NM_002349]
CIITA	16	1,62E-03	4,71	1,17	5,58	Homo sapiens class II, major histocompatibility complex, transactivator (CIITA), mRNA [NM_000246]
FCGR2A	1	4,54E-03	4,71	-2,08	5,57	Homo sapiens Fc fragment of IgG, low affinity IIa, receptor (CD32) (FCGR2A), transcript variant 1, mRNA [NM_001136219]
GAS1	9	2,40E-04	4,71	1,16	5,82	Homo sapiens growth arrest-specific 1 (GAS1), mRNA [NM_002048]
CPNE8	12	8,13E-05	4,70	1,32	4,77	Homo sapiens copine VIII (CPNE8), mRNA [NM_153634]
	11	1,62E-05	4,70	1,29	4,90	lincRNA:chr11:104774117-104789800 reverse strand
PRDM1	6	1,76E-03	4,69	-1,18	6,13	Homo sapiens PR domain containing 1, with ZNF domain (PRDM1), transcript variant 1, mRNA

						[NM_001198]
	2	6,48E-06	4,69	1,42	4,75	lincRNA:chr2:231271206-231276381 forward strand
TRPM6	9	6,26E-04	4,69	1,18	5,32	Homo sapiens transient receptor potential cation channel, subfamily M, member 6 (TRPM6), transcript variant a, mRNA [NM_017662]
VAMP5	2	4,23E-06	4,68	1,09	5,30	Homo sapiens vesicle-associated membrane protein 5 (myobrevin) (VAMP5), mRNA [NM_006634]
ACSS1	20	5,73E-06	4,67	1,02	4,38	Homo sapiens acyl-CoA synthetase short-chain family member 1 (ACSS1), nuclear gene encoding mitochondrial protein, mRNA [NM_032501]
PML	15	9,54E-07	4,67	1,03	4,49	Homo sapiens promyelocytic leukemia (PML), transcript variant 5, mRNA [NM_033244]
GPR143	X	1,70E-04	4,64	1,14	5,08	Homo sapiens G protein-coupled receptor 143 (GPR143), mRNA [NM_000273]
C4B	6	3,66E-07	4,64	-1,04	6,46	Homo sapiens complement component 4B (Chido blood group) (C4B), mRNA [NM_001002029]
STARD8	X	6,98E-04	4,63	-1,37	5,59	Homo sapiens StAR-related lipid transfer (START) domain containing 8 (STARD8), transcript variant 2, mRNA [NM_014725]
CXorf65	X	6,52E-04	4,62	1,32	6,00	Homo sapiens chromosome X open reading frame 65 (CXorf65), transcript variant 1, mRNA [NM_001025265]
GSDMD	8	9,44E-05	4,62	1,13	4,80	Homo sapiens gasdermin D (GSDMD), transcript variant 1, mRNA [NM_024736]
INHBB	2	8,58E-03	4,62	1,50	6,35	Homo sapiens inhibin, beta B (INHBB), mRNA [NM_002193]
IFI27	14	4,39E-06	4,62	1,18	4,68	Homo sapiens interferon, alpha-inducible protein 27 (IFI27), transcript

						variant 2, mRNA [NM_005532]
TNFSF10	3	1,25E-06	4,61	1,29	4,92	Homo sapiens tumor necrosis factor (ligand) superfamily, member 10 (TNFSF10), transcript variant 1, mRNA [NM_003810]
HLA-DQB1	6	1,07E-03	4,61	1,04	5,42	Homo sapiens major histocompatibility complex, class II, DQ beta 1 (HLA-DQB1), mRNA [NM_002123]
CASP5	11	8,27E-06	4,61	1,30	4,82	Homo sapiens caspase 5, apoptosis-related cysteine peptidase (CASP5), transcript variant a, mRNA [NM_004347]
KIAA1644	22	8,50E-03	4,61	1,48	6,79	Homo sapiens KIAA1644 (KIAA1644), mRNA [NM_001099294]
GGT6	17	7,31E-05	4,61	-1,21	6,52	Homo sapiens gamma-glutamyltransferase 6 (GGT6), transcript variant 2, mRNA [NM_153338]
GCH1	14	4,94E-04	4,59	-1,03	5,05	Homo sapiens GTP cyclohydrolase 1 (GCH1), transcript variant 4, mRNA [NM_001024071]
IFIT1	10	2,26E-03	4,59	1,22	4,37	Homo sapiens interferon-induced protein with tetratricopeptide repeats 1 (IFIT1), transcript variant 2, mRNA [NM_001548]
TMEM229B	14	2,31E-06	4,57	1,03	4,46	Homo sapiens transmembrane protein 229B (TMEM229B), mRNA [NM_182526]
PHF11	13	3,56E-07	4,55	1,18	5,01	Homo sapiens PHD finger protein 11 (PHF11), transcript variant 1, mRNA [NM_001040443]
ZNF878	19	7,72E-04	4,55	1,02	5,25	Homo sapiens zinc finger protein 878 (ZNF878), mRNA [NM_001080404]
HLA-B	6	4,15E-07	4,54	1,01	4,60	Homo sapiens major histocompatibility complex, class I, B (HLA-B), mRNA [NM_005514]
SLC12A7	5	1,82E-07	4,52	-1,02	4,58	Homo sapiens solute carrier family 12 (potassium/chloride transporters), member 7 (SLC12A7), mRNA [NM_006598]

SBNO2	19	4,61E-06	4,52	1,63	4,70	Homo sapiens strawberry notch homolog 2 (Drosophila) (SBNO2), transcript variant 1, mRNA [NM_014963]
C21orf63	21	1,17E-03	4,51	1,31	4,91	Homo sapiens chromosome 21 open reading frame 63 (C21orf63), mRNA [NM_058187]
IL8	4	6,94E-03	4,49	1,26	4,02	Homo sapiens interleukin 8 (IL8), mRNA [NM_000584]
CCDC68	18	1,28E-07	4,49	-1,03	4,23	Homo sapiens coiled-coil domain containing 68 (CCDC68), transcript variant 1, mRNA [NM_025214]
CD47	3	3,62E-06	4,49	1,39	4,79	Homo sapiens CD47 molecule (CD47), transcript variant 2, mRNA [NM_198793]
IL1A	2	1,85E-03	4,48	1,03	5,00	Homo sapiens interleukin 1, alpha (IL1A), mRNA [NM_000575]
LOC401433	7	9,25E-04	4,46	1,01	4,29	Homo sapiens cDNA FLJ45817 fis, clone NT2RP7020343. [AK127717]
CCRN4L	4	7,89E-05	4,46	1,15	5,25	Homo sapiens CCR4 carbon catabolite repression 4-like (S. cerevisiae) (CCRN4L), mRNA [NM_012118]
USP18	22	2,68E-05	4,44	1,30	4,64	Homo sapiens ubiquitin specific peptidase 18 (USP18), mRNA [NM_017414]
ASB2	14	1,14E-04	4,43	1,03	5,86	Homo sapiens ankyrin repeat and SOCS box containing 2 (ASB2), transcript variant 2, mRNA [NM_016150]
	8	1,61E-03	4,43	-1,17	2,94	lincRNA:chr8:90618650-90619014 reverse strand
	8	1,51E-06	4,42	1,02	4,39	lincRNA:chr8:90733132-90733552 reverse strand
PARP10	8	3,01E-08	4,41	1,18	4,30	Homo sapiens poly (ADP-ribose) polymerase family, member 10 (PARP10), mRNA [NM_032789]
LOC285965	7	3,57E-02	4,41	2,42	3,14	Homo sapiens hypothetical LOC285965 (LOC285965), non-coding RNA [NR_033897]

FAM122C	X	4,00E-03	4,41	-1,19	4,17	Homo sapiens family with sequence similarity 122C (FAM122C), transcript variant 2, mRNA [NM_138819]
LOC115110	1	1,74E-03	4,39	-1,19	3,64	Homo sapiens hypothetical LOC115110 (LOC115110), non-coding RNA [NR_026927]
BTN3A1	6	3,69E-06	4,35	1,22	4,60	Homo sapiens butyrophilin, subfamily 3, member A1 (BTN3A1), transcript variant 1, mRNA [NM_007048]
NRG1	8	1,26E-04	4,35	1,14	4,45	Homo sapiens neuregulin 1 (NRG1), transcript variant HRG-gamma, mRNA [NM_004495]
JAK3	19	2,06E-02	4,35	1,35	3,16	Homo sapiens Janus kinase 3 (JAK3), mRNA [NM_000215]
HERC6	4	2,99E-04	4,35	-1,30	6,26	Homo sapiens hect domain and RLD 6 (HERC6), transcript variant 2, mRNA [NM_001165136]
RAB24	5	8,35E-05	4,35	1,02	5,39	Homo sapiens RAB24, member RAS oncogene family (RAB24), transcript variant 1, mRNA [NM_001031677]
LOC150185	22	6,49E-03	4,33	1,18	2,92	Homo sapiens hypothetical LOC150185 (LOC150185), non-coding RNA [NR_024381]
LOC100288902	Un_gl000213	1,70E-02	4,33	-1,30	8,60	PREDICTED: Homo sapiens hypothetical protein LOC100288902 (LOC100288902), mRNA [XM_002343872]
JAK2	9	1,36E-05	4,31	1,09	4,92	Homo sapiens Janus kinase 2 (JAK2), mRNA [NM_004972]
PLOD2	3	6,70E-03	4,30	1,17	4,01	Homo sapiens procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2 (PLOD2), transcript variant 1, mRNA [NM_182943]
HLA-C	6	5,29E-07	4,30	1,13	4,38	Homo sapiens major histocompatibility complex, class I, C (HLA-C), transcript variant 2, mRNA [NM_001243042]
	4	9,07E-04	4,29	1,02	3,97	lincRNA:chr4:124974717-125260135

						forward strand
RNF114	20	1,35E-05	4,29	1,08	4,74	Homo sapiens ring finger protein 114 (RNF114), mRNA [NM_018683]
	14	6,64E-04	4,28	-1,04	4,12	Homo sapiens mRNA for FLJ00217 protein. [AK074144]
DRAM1	12	5,33E-07	4,27	1,08	4,53	Homo sapiens DNA-damage regulated autophagy modulator 1 (DRAM1), mRNA [NM_018370]
KRT35	17	3,04E-03	4,27	1,00	4,58	Homo sapiens keratin 35 (KRT35), mRNA [NM_002280]
HLA-E	6	1,46E-09	4,27	1,09	4,68	Homo sapiens major histocompatibility complex, class I, E (HLA-E), mRNA [NM_005516]
IL13RA2	X	4,08E-02	4,26	1,24	3,36	Homo sapiens interleukin 13 receptor, alpha 2 (IL13RA2), mRNA [NM_000640]
LOC100506342	8	2,11E-06	4,26	-1,26	4,13	PREDICTED: Homo sapiens hypothetical LOC100506342 (LOC100506342), partial miscRNA [XR_108862]
TMPRSS11A	4	1,32E-02	4,26	1,30	4,71	Homo sapiens transmembrane protease, serine 11A (TMPRSS11A), transcript variant 1, mRNA [NM_182606]
IFI6	1	9,29E-05	4,26	1,31	5,05	Homo sapiens interferon, alpha-inducible protein 6 (IFI6), transcript variant 3, mRNA [NM_022873]
MUC4	3	2,06E-03	4,25	-1,11	5,28	Homo sapiens mucin 4, cell surface associated (MUC4), transcript variant 1, mRNA [NM_018406]
CASP10	2	1,01E-04	4,25	-1,22	5,13	Homo sapiens caspase 10, apoptosis-related cysteine peptidase (CASP10), transcript variant 2, mRNA [NM_032974]
SLFN11	17	1,04E-06	4,25	1,12	4,17	Homo sapiens schlafen family member 11 (SLFN11), transcript variant 1, mRNA [NM_001104587]
C2CD4B	15	1,88E-03	4,25	-1,28	4,59	Homo sapiens C2 calcium-dependent domain containing 4B (C2CD4B), mRNA [NM_001007595]
NRG1	8	4,22E-05	4,24	1,12	4,22	Homo sapiens

						neuregulin 1 (NRG1), transcript variant HRG-gamma, mRNA [NM_004495]
TMEM171	5	8,98E-05	4,24	-1,06	4,18	Homo sapiens transmembrane protein 171 (TMEM171), transcript variant 1, mRNA [NM_173490]
IFI16	1	1,18E-04	4,23	1,35	4,33	Homo sapiens interferon, gamma-inducible protein 16 (IFI16), transcript variant 2, mRNA [NM_005531]
CACNA2D1	7	4,73E-03	4,22	-1,14	4,03	Homo sapiens calcium channel, voltage-dependent, alpha 2/delta subunit 1 (CACNA2D1), mRNA [NM_000722]
	22	5,04E-03	4,22	-1,21	4,30	lincRNA:chr22:28316350-28322975 reverse strand
MMP21	10	6,04E-05	4,18	-1,10	4,73	Homo sapiens matrix metallopeptidase 21 (MMP21), mRNA [NM_147191]
MYCN	2	1,62E-02	4,18	1,08	5,52	Homo sapiens v-myc myelocytomatosis viral related oncogene, neuroblastoma derived (avian) (MYCN), mRNA [NM_005378]
CPNE5	6	2,14E-06	4,18	1,20	4,10	Homo sapiens copine V (CPNE5), mRNA [NM_020939]
SHC4	15	9,29E-04	4,17	1,13	4,17	Homo sapiens SHC (Src homology 2 domain containing) family, member 4 (SHC4), mRNA [NM_203349]
RAD51D	17	6,93E-05	4,16	-1,02	4,75	Homo sapiens RAD51 homolog D (S. cerevisiae) (RAD51D), transcript variant 1, mRNA [NM_002878]
CASP10	2	2,10E-06	4,14	1,15	4,39	Homo sapiens caspase 10, apoptosis-related cysteine peptidase (CASP10), transcript variant 2, mRNA [NM_032974]
NFKBIA	14	8,39E-05	4,14	1,10	4,36	Homo sapiens nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha (NFKBIA), mRNA [NM_020529]
TRIM25	17	4,55E-06	4,14	1,01	4,42	Homo sapiens tripartite motif

						containing 25 (TRIM25), mRNA [NM_005082]
BEST3	12	3,64E-02	4,13	1,06	5,42	Homo sapiens bestrophin 3 (BEST3), transcript variant 1, mRNA [NM_032735]
	7	2,44E-03	4,13	-1,22	3,96	lincRNA:chr7:130568978-130792551 reverse strand
HSD3B7	16	4,69E-05	4,13	1,18	4,42	Homo sapiens hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7 (HSD3B7), transcript variant 2, mRNA [NM_001142777]
ADIG	20	2,67E-02	4,12	-1,11	-1,18	adipogenin [Source:HGNC Symbol;Acc:28606] [ENST00000373348]
PTGS2	1	6,01E-05	4,11	1,22	4,08	Homo sapiens prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase) (PTGS2), mRNA [NM_000963]
BTN3A2	6	4,07E-06	4,10	1,25	3,89	Homo sapiens butyrophilin, subfamily 3, member A2 (BTN3A2), transcript variant 1, mRNA [NM_007047]
MAN1A1	6	1,21E-04	4,09	1,42	4,28	Homo sapiens mannosidase, alpha, class 1A, member 1 (MAN1A1), mRNA [NM_005907]
RILP	17	6,28E-04	4,09	1,16	4,72	Homo sapiens Rab interacting lysosomal protein (RILP), mRNA [NM_031430]
	7	2,80E-04	4,09	1,31	4,25	lincRNA:chr7:116211205-116254737 reverse strand
CARD16	11	1,44E-06	4,09	1,05	3,89	Homo sapiens caspase recruitment domain family, member 16 (CARD16), transcript variant 1, mRNA [NM_001017534]
CASP4	11	4,50E-06	4,09	1,22	4,15	Homo sapiens caspase 4, apoptosis-related cysteine peptidase (CASP4), transcript variant gamma, mRNA [NM_033306]
LOC100509924	1	2,60E-03	4,08	-1,17	4,24	PREDICTED: Homo sapiens WD repeat-containing protein 65-like

						(LOC100509924), mRNA [XM_003119794]
SLC2A14	12	1,16E-04	4,07	1,38	3,69	solute carrier family 2 (facilitated glucose transporter), member 14 [Source:HGNC Symbol;Acc:18301] [ENST00000431042]
HLA-F	6	9,75E-05	4,05	1,11	4,34	Homo sapiens major histocompatibility complex, class I, F (HLA-F), transcript variant 2, mRNA [NM_018950]
PMAIP1	18	7,42E-06	4,05	-1,10	4,10	Homo sapiens phorbol-12-myristate-13-acetate-induced protein 1 (PMAIP1), mRNA [NM_021127]
LHFPL1	X	4,93E-02	4,04	1,53	3,63	Homo sapiens lipoma HMGIC fusion partner-like 1 (LHFPL1), mRNA [NM_178175]
SCN9A	2	6,11E-05	4,04	-1,32	4,89	Homo sapiens sodium channel, voltage-gated, type IX, alpha subunit (SCN9A), mRNA [NM_002977]
DACT1	14	2,55E-03	4,03	-1,03	5,78	Homo sapiens dapper, antagonist of beta-catenin, homolog 1 (Xenopus laevis) (DACT1), transcript variant 1, mRNA [NM_016651]
TMEM173	5	1,40E-04	4,02	1,22	4,08	Homo sapiens transmembrane protein 173 (TMEM173), nuclear gene encoding mitochondrial protein, mRNA [NM_198282]
PARP3	3	1,95E-05	4,01	1,21	4,32	Homo sapiens poly (ADP-ribose) polymerase family, member 3 (PARP3), transcript variant 2, mRNA [NM_005485]
SLC2A3	12	9,75E-05	4,01	1,37	3,97	Homo sapiens solute carrier family 2 (facilitated glucose transporter), member 3 (SLC2A3), mRNA [NM_006931]
CCDC42	17	4,62E-02	4,01	1,34	1,99	Homo sapiens coiled-coil domain containing 42 (CCDC42), transcript variant 1, mRNA [NM_144681]

JHDM1D	7	6,75E-05	4,01	-1,04	3,82	Homo sapiens jumonji C domain containing histone demethylase 1 homolog D (S. cerevisiae) (JHDM1D), mRNA [NM_030647]
	3	1,12E-02	4,00	1,31	3,67	lincRNA:chr3:106967787-106970300 forward strand
STAT2	12	1,82E-06	4,00	-1,00	3,95	Homo sapiens signal transducer and activator of transcription 2, 113kDa (STAT2), transcript variant 1, mRNA [NM_005419]
CDK18	1	5,02E-04	4,00	1,02	4,34	Homo sapiens cyclin-dependent kinase 18 (CDK18), transcript variant 1, mRNA [NM_212503]
NOD2	16	9,99E-05	3,99	1,04	3,94	Homo sapiens nucleotide-binding oligomerization domain containing 2 (NOD2), mRNA [NM_022162]
SERPINB2	18	8,94E-05	3,96	-1,17	4,82	Homo sapiens serpin peptidase inhibitor, clade B (ovalbumin), member 2 (SERPINB2), transcript variant 2, mRNA [NM_002575]
	8	1,06E-04	3,96	1,11	3,78	PREDICTED: Homo sapiens hypothetical protein LOC100507358 (LOC100507358), mRNA [XM_003119166]
APOBEC3A	22	6,36E-03	3,96	-1,96	5,76	Homo sapiens apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3A (APOBEC3A), transcript variant 1, mRNA [NM_145699]
DDO	6	1,13E-04	3,96	1,29	3,40	Homo sapiens D-aspartate oxidase (DDO), transcript variant 1, mRNA [NM_003649]
TRIM14	9	3,15E-06	3,95	1,14	3,64	Homo sapiens tripartite motif containing 14 (TRIM14), transcript variant 1, mRNA [NM_014788]
GBP6	1	5,95E-05	3,94	-1,12	3,95	Homo sapiens guanylate binding protein family, member 6 (GBP6), mRNA [NM_198460]

CASP7	10	9,95E-05	3,93	1,12	3,84	Homo sapiens caspase 7, apoptosis-related cysteine peptidase (CASP7), transcript variant delta, mRNA [NM_033338]
HERC5	4	5,93E-04	3,93	1,24	3,82	Homo sapiens hect domain and RLD 5 (HERC5), mRNA [NM_016323]
SSPN	12	3,66E-05	3,93	-1,07	4,47	Homo sapiens sarcospan (Kras oncogene-associated gene) (SSPN), transcript variant 1, mRNA [NM_005086]
	8	6,88E-07	3,93	-1,01	3,82	lincRNA:chr8:90733171-90734578 reverse strand
CCDC3	10	2,92E-05	3,92	-1,22	4,40	Homo sapiens coiled-coil domain containing 3 (CCDC3), mRNA [NM_031455]
SLC12A7	5	1,32E-02	3,92	-1,57	3,34	Homo sapiens solute carrier family 12 (potassium/chloride transporters), member 7 (SLC12A7), mRNA [NM_006598]
MEF2C	5	8,08E-03	3,92	-1,74	2,35	Homo sapiens myocyte enhancer factor 2C (MEF2C), transcript variant 1, mRNA [NM_002397]
DOC2B	17	3,04E-03	3,91	1,04	4,38	Homo sapiens double C2-like domains, beta (DOC2B), mRNA [NM_003585]
CXCL3	4	1,47E-03	3,89	1,19	3,72	Homo sapiens chemokine (C-X-C motif) ligand 3 (CXCL3), mRNA [NM_002090]
TMEM106A	17	4,71E-04	3,89	-1,10	3,96	Homo sapiens transmembrane protein 106A (TMEM106A), mRNA [NM_145041]
HLA-C	6	3,04E-07	3,88	1,04	3,87	PREDICTED: Homo sapiens HLA class I histocompatibility antigen, Cw-15 alpha chain-like, transcript variant 2 (LOC100507681), mRNA [XM_003119360]
FAM115C	7	7,55E-05	3,88	1,58	3,64	Homo sapiens family with sequence similarity 115, member C (FAM115C), transcript variant 2, mRNA [NM_173678]
LOC1005097	16	9,25E-04	3,88	1,19	4,39	PREDICTED: Homo

02						sapiens hypothetical protein LOC100509702 (LOC100509702), mRNA [XM_003119651]
RHBDF2	17	5,70E-07	3,88	1,11	4,11	Homo sapiens rhomboid 5 homolog 2 (Drosophila) (RHBDF2), transcript variant 1, mRNA [NM_024599]
BCL3	19	4,19E-04	3,87	1,74	3,59	Homo sapiens B-cell CLL/lymphoma 3 (BCL3), mRNA [NM_005178]
ERP27	12	8,78E-06	3,86	1,85	4,37	Homo sapiens endoplasmic reticulum protein 27 (ERP27), mRNA [NM_152321]
LACTB	15	8,32E-05	3,86	1,10	4,36	Homo sapiens lactamase, beta (LACTB), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA [NM_171846]
HLA-B	6	9,61E-07	3,86	1,06	3,84	Homo sapiens major histocompatibility complex, class I, B (HLA-B), mRNA [NM_005514]
B2M	15	1,99E-07	3,85	1,13	4,08	Homo sapiens beta-2-microglobulin (B2M), mRNA [NM_004048]
GRAMD1B	11	1,22E-04	3,84	-2,04	3,83	Homo sapiens GRAM domain containing 1B (GRAMD1B), mRNA [NM_020716]
TEAD4	12	3,45E-06	3,84	1,22	4,02	Homo sapiens TEA domain family member 4 (TEAD4), transcript variant 1, mRNA [NM_003213]
SLC39A8	4	2,88E-02	3,83	-1,07	3,41	Homo sapiens solute carrier family 39 (zinc transporter), member 8 (SLC39A8), transcript variant 3, mRNA [NM_001135147]
CEBPE	14	1,27E-03	3,83	-1,41	4,09	Homo sapiens CCAAT/enhancer binding protein (C/EBP), epsilon (CEBPE), mRNA [NM_001805]
TRANK1	3	2,98E-03	3,83	1,09	4,15	Homo sapiens tetratricopeptide repeat and ankyrin repeat containing 1 (TRANK1), mRNA [NM_014831]
ERAP1	5	7,03E-07	3,82	1,01	3,30	Homo sapiens endoplasmic

						reticulum aminopeptidase 1 (ERAP1), transcript variant 2, mRNA [NM_001040458]
NCOA7	6	1,80E-05	3,82	1,04	4,04	Homo sapiens nuclear receptor coactivator 7 (NCOA7), transcript variant 1, mRNA [NM_181782]
ZEB1	10	5,11E-05	3,82	-1,51	4,07	Homo sapiens zinc finger E-box binding homeobox 1 (ZEB1), transcript variant 1, mRNA [NM_001128128]
CASP10	2	1,10E-04	3,81	-1,11	4,63	Homo sapiens caspase 10, apoptosis-related cysteine peptidase (CASP10), transcript variant 1, mRNA [NM_032977]
LOC154761	7	7,21E-04	3,80	1,52	4,04	Homo sapiens hypothetical LOC154761 (LOC154761), non-coding RNA [NR_015421]
STEAP4	7	7,85E-05	3,80	-1,08	4,98	Homo sapiens STEAP family member 4 (STEAP4), transcript variant 2, mRNA [NM_001205315]
LOC100288797	20	8,36E-03	3,80	-1,20	4,41	Homo sapiens hypothetical protein LOC100288797 (LOC100288797), mRNA [NM_001167670]
ADAMTS4	1	4,24E-03	3,80	1,53	1,80	Homo sapiens ADAM metallopeptidase with thrombospondin type 1 motif, 4 (ADAMTS4), mRNA [NM_005099]
CLMN	14	3,11E-05	3,80	1,23	3,93	Homo sapiens calmin (calponin-like, transmembrane) (CLMN), mRNA [NM_024734]
RFX5	1	6,01E-07	3,79	1,12	3,88	Homo sapiens regulatory factor X, 5 (influences HLA class II expression) (RFX5), transcript variant 1, mRNA [NM_000449]
TMEM140	7	7,45E-06	3,79	-1,21	4,50	Homo sapiens transmembrane protein 140 (TMEM140), mRNA [NM_018295]
SERPINB1	6	6,40E-04	3,79	1,36	4,32	Homo sapiens serpin peptidase inhibitor, clade B (ovalbumin),

						member 1 (SERPINB1), mRNA [NM_030666]
MFSD6L	17	1,34E-02	3,78	-1,30	2,56	Homo sapiens major facilitator superfamily domain containing 6-like (MFSD6L), mRNA [NM_152599]
CCRL2	3	1,94E-04	3,78	1,10	3,76	Homo sapiens chemokine (C-C motif) receptor-like 2 (CCRL2), transcript variant 1, mRNA [NM_003965]
	7	1,14E-04	3,78	1,22	3,49	lincRNA:chr7:116209814-116238889 reverse strand
	13	1,07E-04	3,78	1,05	4,02	lincRNA:chr13:106751024-106760449 reverse strand
CFHR4	1	1,11E-03	3,76	-1,28	4,11	Homo sapiens complement factor H-related 4 (CFHR4), transcript variant 3, mRNA [NM_006684]
ASS1	9	3,25E-03	3,75	1,09	4,67	Homo sapiens argininosuccinate synthase 1 (ASS1), transcript variant 1, mRNA [NM_000050]
HLA-DQB2	6	1,55E-02	3,75	-1,02	3,96	Homo sapiens major histocompatibility complex, class II, DQ beta 2 (HLA-DQB2), mRNA [NM_001198858]
CSRP1	1	8,00E-03	3,74	1,35	2,13	cysteine and glycine-rich protein 1 [Source:HGNC Symbol;Acc:2469] [ENST00000533402]
SLC25A28	10	2,36E-06	3,72	1,13	4,08	Homo sapiens solute carrier family 25, member 28 (SLC25A28), mRNA [NM_031212]
LOX	5	1,57E-03	3,72	1,06	3,67	Homo sapiens lysyl oxidase (LOX), transcript variant 1, mRNA [NM_002317]
CCL3	17	1,71E-03	3,71	-1,29	2,63	Homo sapiens chemokine (C-C motif) ligand 3 (CCL3), mRNA [NM_002983]
SLC9A7P1	12	5,93E-04	3,71	-1,11	3,82	Homo sapiens solute carrier family 9 (sodium/hydrogen exchanger), member 7 pseudogene (LOC121456), non-coding RNA [NR_033801]
UGDH	4	1,72E-05	3,70	1,15	4,08	Homo sapiens UDP-glucose 6-dehydrogenase (UGDH), transcript variant 1, mRNA [NM_003359]

RNF183	9	2,46E-03	3,70	2,18	4,00	Homo sapiens ring finger protein 183 (RNF183), mRNA [NM_145051]
NUDCD1	8	3,61E-06	3,68	1,05	3,50	Homo sapiens NudC domain containing 1 (NUDCD1), transcript variant 1, mRNA [NM_032869]
	7	2,96E-04	3,68	1,18	3,75	lincRNA:chr7:116211022-116213798 reverse strand
SLC9A7	X	2,98E-04	3,68	-1,04	4,03	Homo sapiens solute carrier family 9 (sodium/hydrogen exchanger), member 7 (SLC9A7), mRNA [NM_032591]
ASS1	9	3,93E-03	3,68	-1,66	4,06	Homo sapiens argininosuccinate synthase 1 (ASS1), transcript variant 1, mRNA [NM_000050]
CARHSP1	16	3,62E-06	3,68	1,44	3,77	Homo sapiens calcium regulated heat stable protein 1, 24kDa (CARHSP1), transcript variant 2, mRNA [NM_001042476]
	3	4,92E-04	3,67	1,47	4,40	lincRNA:chr3:106959773-107004511 reverse strand
LOC284276	18	1,67E-03	3,66	-1,54	2,33	Homo sapiens hypothetical LOC284276 (LOC284276), non-coding RNA [NR_015417]
FAM110C	2	1,10E-04	3,65	1,30	4,24	Homo sapiens family with sequence similarity 110, member C (FAM110C), mRNA [NM_001077710]
TNFSF10	3	2,75E-05	3,65	1,23	4,47	Homo sapiens tumor necrosis factor (ligand) superfamily, member 10 (TNFSF10), transcript variant 1, mRNA [NM_003810]
RAPH1	2	1,24E-04	3,65	1,10	4,00	Homo sapiens Ras association (RalGDS/AF-6) and pleckstrin homology domains 1 (RAPH1), transcript variant 1, mRNA [NM_213589]
MMP10	11	5,22E-03	3,64	1,28	4,10	Homo sapiens matrix metallopeptidase 10 (stromelysin 2) (MMP10), mRNA [NM_002425]
MAP3K8	10	1,25E-03	3,63	1,04	3,80	mitogen-activated protein kinase kinase kinase 8 [Source:HGNC Symbol;Acc:6860]

						[ENST00000375322]
RFX5	1	8,68E-06	3,63	1,15	3,71	Homo sapiens regulatory factor X, 5 (influences HLA class II expression) (RFX5), transcript variant 1, mRNA [NM_000449]
NLRC5	16	6,39E-06	3,63	-1,10	3,84	Homo sapiens NLR family, CARD domain containing 5 (NLRC5), mRNA [NM_032206]
ERAP1	5	4,25E-04	3,63	-1,01	2,73	Homo sapiens endoplasmic reticulum aminopeptidase 1 (ERAP1), transcript variant 1, mRNA [NM_016442]
GOLM1	9	2,91E-05	3,62	1,17	3,91	Homo sapiens golgi membrane protein 1 (GOLM1), transcript variant 1, mRNA [NM_016548]
C21orf63	21	6,72E-04	3,61	1,31	3,96	Homo sapiens chromosome 21 open reading frame 63 (C21orf63), mRNA [NM_058187]
ROBO4	11	2,08E-03	3,61	1,27	3,07	Homo sapiens roundabout homolog 4, magic roundabout (Drosophila) (ROBO4), mRNA [NM_019055]
XLOC_004881	5	7,08E-05	3,61	-1,55	4,67	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
CARD17	11	1,00E-04	3,61	1,18	3,69	Homo sapiens caspase recruitment domain family, member 17 (CARD17), mRNA [NM_001007232]
HLA-DRB3		1,40E-04	3,60	-1,17	4,52	Homo sapiens major histocompatibility complex, class II, DR beta 3 (HLA-DRB3), mRNA [NM_022555]
ZNFX1	20	1,74E-04	3,60	1,33	4,00	Homo sapiens zinc finger, NFX1-type containing 1 (ZNFX1), mRNA [NM_021035]
CDCP1	3	9,85E-06	3,59	1,09	3,58	Homo sapiens CUB domain containing protein 1 (CDCP1), transcript variant 1, mRNA [NM_022842]
LOC731424	4	4,92E-02	3,59	1,02	2,38	Homo sapiens hypothetical protein LOC731424, mRNA (cDNA clone IMAGE:4133286), with apparent retained intron.

						[BC016366]
CFH	1	1,09E-06	3,59	1,05	3,68	Homo sapiens complement factor H (CFH), transcript variant 1, mRNA [NM_000186]
	14	5,95E-03	3,57	2,58	2,47	lincRNA:chr14:61528822-61594047 reverse strand
PDZD2	5	4,95E-04	3,57	1,11	3,76	Homo sapiens PDZ domain containing 2 (PDZD2), mRNA [NM_178140]
BAALC	8	1,26E-05	3,57	1,05	3,79	brain and acute leukemia, cytoplasmic [Source:HGNC Symbol;Acc:14333] [ENST00000297574]
ABI3BP	3	7,94E-05	3,56	-1,26	4,06	Homo sapiens ABI family, member 3 (NESH) binding protein (ABI3BP), mRNA [NM_015429]
	6	1,92E-03	3,55	1,05	3,87	GB
	22	1,28E-03	3,55	1,22	3,70	Homo sapiens cDNA FLJ39598 fis, clone SKNSH2002866. [AK096917]
RND1	12	4,67E-03	3,54	1,06	4,02	Homo sapiens Rho family GTPase 1 (RND1), mRNA [NM_014470]
XLOC_003202	3	5,90E-03	3,52	-1,48	2,54	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
PRSS57	19	4,46E-02	3,52	1,41	2,83	Homo sapiens protease, serine, 57 (PRSS57), mRNA [NM_214710]
GSDMC	8	2,05E-05	3,52	1,43	3,30	Homo sapiens gasdermin C (GSDMC), mRNA [NM_031415]
FAM110C	2	3,06E-04	3,52	1,29	4,33	Homo sapiens family with sequence similarity 110, member C (FAM110C), mRNA [NM_001077710]
MRAS	3	2,81E-05	3,52	1,08	3,67	Homo sapiens muscle RAS oncogene homolog (MRAS), transcript variant 1, mRNA [NM_012219]
GSDMB	17	2,14E-03	3,50	1,03	3,49	Homo sapiens gasdermin B (GSDMB), transcript variant 3, mRNA [NM_001165958]
PROCR	20	1,26E-04	3,49	1,13	3,41	Homo sapiens protein C receptor, endothelial (PROCR), mRNA [NM_006404]

SLC25A22	11	1,70E-05	3,49	-1,00	3,47	Homo sapiens solute carrier family 25 (mitochondrial carrier: glutamate), member 22 (SLC25A22), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA [NM_024698]
BACH1	21	2,11E-05	3,49	1,11	3,37	Homo sapiens BTB and CNC homology 1, basic leucine zipper transcription factor 1 (BACH1), transcript variant 1, mRNA [NM_206866]
FMNL1	17	1,98E-03	3,48	1,01	3,52	Homo sapiens formin-like 1 (FMNL1), mRNA [NM_005892]
FAM26F	6	2,52E-04	3,48	1,31	3,29	Homo sapiens family with sequence similarity 26, member F (FAM26F), mRNA [NM_001010919]
TLR4	9	2,13E-03	3,48	-1,27	2,52	Homo sapiens toll-like receptor 4 (TLR4), transcript variant 1, mRNA [NM_138554]
C1QTNF1	17	1,79E-02	3,47	1,01	3,39	Homo sapiens C1q and tumor necrosis factor related protein 1 (C1QTNF1), mRNA [NM_198594]
SCN9A	2	3,72E-04	3,47	-1,07	3,00	Homo sapiens sodium channel, voltage-gated, type IX, alpha subunit (SCN9A), mRNA [NM_002977]
DENND3	8	5,31E-04	3,47	1,13	3,76	DENN/MADD domain containing 3 [Source:HGNC Symbol;Acc:29134] [ENST00000520482]
MB21D1	6	3,43E-06	3,47	1,00	3,61	Homo sapiens Mab-21 domain containing 1 (MB21D1), mRNA [NM_138441]
TRIM14	9	3,60E-06	3,47	1,15	3,68	Homo sapiens tripartite motif containing 14 (TRIM14), transcript variant 1, mRNA [NM_014788]
	22	4,68E-04	3,47	1,30	3,96	ubiquitin specific peptidase 41 [Source:HGNC Symbol;Acc:20070] [ENST00000454608]
LAT2	7	2,87E-04	3,45	-1,03	4,06	Homo sapiens linker for activation of T cells family, member 2 (LAT2), transcript variant 1, mRNA [NM_032464]

MAP2K3	17	6,29E-04	3,45	1,22	3,68	Homo sapiens mitogen-activated protein kinase kinase 3 (MAP2K3), transcript variant B, mRNA [NM_145109]
IL10RA	11	1,16E-03	3,45	-1,26	3,63	Homo sapiens interleukin 10 receptor, alpha (IL10RA), transcript variant 1, mRNA [NM_001558]
CXCL1	4	8,13E-03	3,45	1,46	3,41	Homo sapiens chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha) (CXCL1), mRNA [NM_001511]
WDR45	X	4,03E-03	3,44	1,53	3,67	WD repeat domain 45 [Source:HGNC Symbol;Acc:28912] [ENST00000376357]
USP43	17	6,37E-04	3,43	1,08	4,05	Homo sapiens ubiquitin specific peptidase 43 (USP43), mRNA [NM_153210]
BMP2	20	1,01E-02	3,43	-1,10	3,75	Homo sapiens bone morphogenetic protein 2 (BMP2), mRNA [NM_001200]
IFITM4P	6	7,21E-06	3,42	1,23	3,29	Homo sapiens interferon induced transmembrane protein 4 pseudogene (IFITM4P), non-coding RNA [NR_001590]
	7	2,00E-02	3,41	-1,29	2,80	lincRNA:chr7:77278214-77303939 forward strand
IL36G	2	7,59E-03	3,38	1,16	3,62	Homo sapiens interleukin 36, gamma (IL36G), mRNA [NM_019618]
PCGF5	10	2,00E-05	3,38	1,10	3,66	polycomb group ring finger 5 [Source:HGNC Symbol;Acc:28264] [ENST00000490164]
ANO4	12	1,26E-04	3,38	1,09	3,54	Homo sapiens anoctamin 4 (ANO4), mRNA [NM_178826]
HBEGF	5	7,03E-04	3,38	1,10	4,02	Homo sapiens heparin-binding EGF-like growth factor (HBEGF), mRNA [NM_001945]
NAV3	12	4,65E-03	3,37	-1,19	3,07	Homo sapiens neuron navigator 3 (NAV3), mRNA [NM_014903]
DUOX2	15	8,95E-05	3,36	-1,10	4,48	Homo sapiens dual oxidase 2 (DUOX2), mRNA [NM_014080]
DENND3	8	8,52E-06	3,36	-1,03	3,82	Homo sapiens

						DENN/MADD domain containing 3 (DENND3), mRNA [NM_014957]
STARD5	15	6,03E-06	3,36	1,07	3,74	Homo sapiens StAR-related lipid transfer (START) domain containing 5 (STARD5), mRNA [NM_181900]
TPRN	9	1,37E-03	3,35	-1,06	4,07	Homo sapiens taperin (TPRN), mRNA [NM_001128228]
	11	3,42E-02	3,35	1,29	2,84	lincRNA:chr11:72446627-72462602 reverse strand
LOC100240735	12	2,70E-02	3,35	-1,12	2,60	Homo sapiens hypothetical LOC100240735 (LOC100240735), non-coding RNA [NR_026658]
	7	4,41E-06	3,35	-1,02	3,43	lincRNA:chr7:130567407-130598069 reverse strand
	6	4,18E-05	3,33	-1,09	3,58	lincRNA:chr6:147227807-147238032 reverse strand
ZNF267	16	1,59E-04	3,32	1,03	3,55	Homo sapiens zinc finger protein 267 (ZNF267), transcript variant 498723, mRNA [NM_003414]
XRN1	3	2,62E-06	3,32	-1,09	3,65	Homo sapiens 5'-3' exoribonuclease 1 (XRN1), transcript variant 1, mRNA [NM_019001]
CASP8	2	1,58E-04	3,30	1,02	3,30	Homo sapiens caspase 8, apoptosis-related cysteine peptidase (CASP8), transcript variant B, mRNA [NM_033355]
	10	6,63E-03	3,30	-1,01	2,99	lincRNA:chr10:119266785-119280310 reverse strand
WDR25	14	4,25E-04	3,30	-1,04	3,36	Homo sapiens WD repeat domain 25 (WDR25), transcript variant 1, mRNA [NM_024515]
TNFRSF9	1	1,72E-02	3,29	-1,21	3,54	Homo sapiens tumor necrosis factor receptor superfamily, member 9 (TNFRSF9), mRNA [NM_001561]
CSRNP1	3	9,27E-04	3,29	-1,04	4,06	Homo sapiens cysteine-serine-rich nuclear protein 1 (CSRNP1), mRNA [NM_033027]
ZEB1	10	2,43E-06	3,29	-1,25	3,08	Homo sapiens zinc finger E-box binding

						homeobox 1 (ZEB1), transcript variant 1, mRNA [NM_001128128]
CFH	1	1,41E-04	3,27	1,17	3,94	Homo sapiens complement factor H (CFH), transcript variant 2, mRNA [NM_001014975]
TXK	4	4,04E-03	3,27	1,52	4,07	Homo sapiens TXK tyrosine kinase (TXK), mRNA [NM_003328]
LY96	8	5,72E-06	3,27	-1,11	4,09	Homo sapiens lymphocyte antigen 96 (LY96), transcript variant 1, mRNA [NM_015364]
	17	6,84E-03	3,26	1,44	3,17	Q4RKH8_TETNG (Q4RKH8) Chromosome 21 SCAF15029, whole genome shotgun sequence, partial (4%) [THC2702109]
CLMN	14	1,28E-03	3,26	1,06	3,18	Homo sapiens calmin (calponin-like, transmembrane) (CLMN), mRNA [NM_024734]
CCL4	17	3,86E-02	3,26	1,12	2,87	Homo sapiens chemokine (C-C motif) ligand 4 (CCL4), transcript variant 1, mRNA [NM_002984]
	22	8,15E-03	3,25	-1,02	3,06	lincRNA:chr22:35829799-35830277 forward strand
XLOC_006702	8	4,32E-04	3,24	1,21	3,03	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
LOC100188947	10	8,41E-05	3,24	-1,17	3,91	Homo sapiens hypothetical LOC100188947 (LOC100188947), non-coding RNA [NR_024467]
SPOCD1	1	2,09E-05	3,22	-1,05	3,30	Homo sapiens SPOC domain containing 1 (SPOCD1), mRNA [NM_144569]
CXCL1	4	7,25E-03	3,22	1,48	2,89	Homo sapiens chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha) (CXCL1), mRNA [NM_001511]
MICB	6	4,07E-03	3,22	1,07	2,93	Homo sapiens MHC class I polypeptide-related sequence B (MICB), mRNA [NM_005931]
C1orf186	1	1,44E-03	3,21	1,04	3,91	Homo sapiens chromosome 1 open reading frame 186

						(C1orf186), mRNA [NM_001007544]
OVOL1	11	7,09E-04	3,20	-1,25	3,93	Homo sapiens ovo-like 1(Drosophila) (OVOL1), mRNA [NM_004561]
PARP8	5	2,42E-04	3,20	1,11	3,18	Homo sapiens poly (ADP-ribose) polymerase family, member 8 (PARP8), transcript variant 2, mRNA [NM_024615]
NFE2L3	7	3,81E-04	3,20	1,03	3,14	Homo sapiens nuclear factor (erythroid-derived 2)-like 3 (NFE2L3), mRNA [NM_004289]
RTKN	2	1,34E-05	3,20	-1,03	3,46	Homo sapiens rhotekin (RTKN), transcript variant 2, mRNA [NM_033046]
IFNK	9	1,22E-02	3,20	-1,38	3,40	Homo sapiens interferon, kappa (IFNK), mRNA [NM_020124]
NTN1	17	8,85E-05	3,19	-1,18	3,48	Homo sapiens netrin 1 (NTN1), mRNA [NM_004822]
EGOT	3	2,08E-03	3,18	1,28	3,38	Homo sapiens eosinophil granule ontogeny transcript (non-protein coding) (EGOT), non-coding RNA [NR_004428]
EXOC3L4	14	2,64E-03	3,18	-1,24	3,08	Homo sapiens exocyst complex component 3-like 4 (EXOC3L4), mRNA [NM_001077594]
RNF148	7	4,07E-04	3,17	-1,08	3,14	Homo sapiens ring finger protein 148 (RNF148), mRNA [NM_198085]
RALA	7	2,86E-05	3,17	1,03	3,26	Homo sapiens v-ral simian leukemia viral oncogene homolog A (ras related) (RALA), mRNA [NM_005402]
TAGAP	6	1,35E-03	3,17	1,09	4,61	Homo sapiens T-cell activation RhoGTPase activating protein (TAGAP), transcript variant 2, mRNA [NM_054114]
ZMYND15	17	1,27E-04	3,16	-1,03	3,25	Homo sapiens zinc finger, MYND-type containing 15 (ZMYND15), transcript variant 2, mRNA [NM_032265]
CFHR3	1	1,78E-05	3,16	1,15	3,86	Homo sapiens complement factor H-related 3 (CFHR3), transcript variant 1, mRNA [NM_021023]

MAST4	5	2,94E-04	3,15	-1,01	3,43	Homo sapiens microtubule associated serine/threonine kinase family member 4 (MAST4), transcript variant 2, mRNA [NM_198828]
TNFSF14	19	2,96E-03	3,15	-1,38	3,01	Homo sapiens tumor necrosis factor (ligand) superfamily, member 14 (TNFSF14), transcript variant 1, mRNA [NM_003807]
COL27A1	9	3,92E-05	3,15	-1,01	3,01	collagen, type XXVII, alpha 1 [Source:HGNC Symbol;Acc:22986] [ENST00000468565]
GOLM1	9	2,03E-05	3,14	1,16	3,72	Homo sapiens golgi membrane protein 1 (GOLM1), transcript variant 1, mRNA [NM_016548]
NAGS	17	2,15E-06	3,14	1,08	3,22	Homo sapiens N-acetylglutamate synthase (NAGS), mRNA [NM_153006]
P2RX7	12	1,76E-02	3,14	1,01	4,54	Homo sapiens purinergic receptor P2X, ligand-gated ion channel, 7 (P2RX7), transcript variant 1, mRNA [NM_002562]
C5orf39	5	2,60E-03	3,14	-1,17	3,26	Homo sapiens chromosome 5 open reading frame 39 (C5orf39), mRNA [NM_001014279]
	1	4,33E-02	3,14	-1,02	1,84	Homo sapiens cDNA: FLJ21272 fis, clone COL01753. [AK024925]
UGCG	9	5,79E-05	3,13	1,10	3,24	Homo sapiens UDP-glucose ceramide glucosyltransferase (UGCG), mRNA [NM_003358]
HDAC4	2	1,71E-02	3,13	1,93	3,98	full-length cDNA clone CS0DI075YH20 of Placenta Cot 25-normalized of Homo sapiens (human). [CR625452]
CTRL	16	3,63E-02	3,13	1,03	3,57	Homo sapiens chymotrypsin-like (CTRL), mRNA [NM_001907]
MTHFR	1	8,91E-06	3,13	1,05	3,36	Homo sapiens methylenetetrahydrofolate reductase (NAD(P)H) (MTHFR), mRNA [NM_005957]
KIAA0040	1	6,51E-05	3,12	1,37	2,96	Homo sapiens KIAA0040

						(KIAA0040), transcript variant 2, mRNA [NM_014656]
LGMN	14	1,06E-05	3,12	1,14	3,88	Homo sapiens legumain (LGMN), transcript variant 2, mRNA [NM_001008530]
PSME1	14	3,03E-05	3,12	1,11	3,29	Homo sapiens proteasome (prosome, macropain) activator subunit 1 (PA28 alpha) (PSME1), transcript variant 1, mRNA [NM_006263]
HLA-A	6	5,06E-04	3,11	1,07	3,31	Homo sapiens major histocompatibility complex, class I, A (HLA-A), transcript variant 1, mRNA [NM_002116]
CLEC18C	16	1,92E-02	3,11	2,02	1,74	Homo sapiens C-type lectin domain family 18, member C (CLEC18C), mRNA [NM_173619]
PDE4DIP	1	2,91E-04	3,11	1,40	4,22	Homo sapiens phosphodiesterase 4D interacting protein (PDE4DIP), transcript variant 9, mRNA [NM_001198834]
GLRX	5	1,42E-04	3,10	1,24	2,89	Homo sapiens glutaredoxin (thioltransferase) (GLRX), transcript variant 1, mRNA [NM_002064]
SP140	2	6,96E-07	3,10	1,05	3,72	Homo sapiens SP140 nuclear body protein (SP140), transcript variant 1, mRNA [NM_007237]
BTN3A1	6	1,19E-03	3,10	-1,16	2,86	Homo sapiens butyrophilin, subfamily 3, member A1 (BTN3A1), transcript variant 1, mRNA [NM_007048]
IRF2	4	4,37E-04	3,10	1,04	3,64	Homo sapiens interferon regulatory factor 2 (IRF2), mRNA [NM_002199]
PANX1	11	1,79E-05	3,09	1,10	3,02	Homo sapiens pannexin 1 (PANX1), mRNA [NM_015368]
MAP2K3	17	5,12E-04	3,09	1,04	3,38	Homo sapiens mitogen-activated protein kinase kinase 3 (MAP2K3), transcript variant B, mRNA [NM_145109]
SP140	2	3,03E-02	3,09	-1,45	2,73	Homo sapiens SP140 nuclear body protein (SP140), transcript variant 2, mRNA

						[NM_001005176]
TGFB3	14	4,63E-04	3,09	1,20	3,07	Homo sapiens transforming growth factor, beta 3 (TGFB3), mRNA [NM_003239]
	9	6,72E-05	3,09	-1,35	3,59	T cell receptor beta variable 21/OR9-2 (non-functional) [Source:HGNC Symbol;Acc:12199] [ENST00000331828]
TNS3	7	1,13E-04	3,08	1,14	3,23	Homo sapiens tensin 3 (TNS3), mRNA [NM_022748]
	8	9,07E-04	3,08	-1,32	3,13	lincRNA:chr8:90623517-90627537 reverse strand
	7	1,63E-03	3,08	-1,17	2,78	lincRNA:chr7:130589527-130590094 reverse strand
RAB27A	15	1,75E-06	3,07	1,26	3,46	Homo sapiens RAB27A, member RAS oncogene family (RAB27A), transcript variant 1, mRNA [NM_004580]
SH3GL2	9	3,68E-02	3,07	1,43	3,38	Homo sapiens SH3-domain GRB2-like 2 (SH3GL2), mRNA [NM_003026]
LZTS1	8	9,06E-04	3,07	-1,43	4,20	Homo sapiens leucine zipper, putative tumor suppressor 1 (LZTS1), mRNA [NM_021020]
CACNA1A	19	8,01E-04	3,06	1,06	3,10	Homo sapiens calcium channel, voltage-dependent, P/Q type, alpha 1A subunit (CACNA1A), transcript variant 2, mRNA [NM_023035]
UAP1	1	2,75E-04	3,06	1,20	3,16	Homo sapiens UDP-N-acteylglucosamine pyrophosphorylase 1 (UAP1), mRNA [NM_003115]
CXCR3	X	4,43E-04	3,06	-1,25	2,96	Homo sapiens chemokine (C-X-C motif) receptor 3 (CXCR3), transcript variant 1, mRNA [NM_001504]
IL1B	2	7,53E-03	3,04	-1,31	3,13	Homo sapiens interleukin 1, beta (IL1B), mRNA [NM_000576]
PLEKHF1	19	2,02E-04	3,03	1,09	3,52	Homo sapiens pleckstrin homology domain containing, family F (with FYVE domain) member 1 (PLEKHF1), mRNA [NM_024310]
CSRNP1	3	2,18E-03	3,03	-1,07	3,64	Homo sapiens cysteine-serine-rich nuclear protein 1

						(CSRNP1), mRNA [NM_033027]
	18	1,16E-02	3,03	1,17	2,05	lincRNA:chr18:74240765-74283136 forward strand
SLC6A14	X	4,90E-03	3,03	1,00	3,45	Homo sapiens solute carrier family 6 (amino acid transporter), member 14 (SLC6A14), mRNA [NM_007231]
ZFYVE28	4	2,72E-02	3,03	1,05	2,45	Homo sapiens zinc finger, FYVE domain containing 28 (ZFYVE28), transcript variant 4, mRNA [NM_001172657]
XLOC_002746	3	2,05E-05	3,02	1,01	3,36	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
RAB3IP	12	2,38E-04	3,01	1,09	3,18	Homo sapiens RAB3A interacting protein (rabin3) (RAB3IP), transcript variant alpha 2, mRNA [NM_175623]
FAM65C	20	7,71E-03	3,00	1,16	3,28	Homo sapiens family with sequence similarity 65, member C (FAM65C), mRNA [NM_080829]
TMCC3	12	4,31E-03	3,00	1,11	3,19	Homo sapiens transmembrane and coiled-coil domain family 3 (TMCC3), mRNA [NM_020698]
CDCP1	3	7,40E-04	2,99	1,04	3,57	Homo sapiens CUB domain containing protein 1 (CDCP1), transcript variant 2, mRNA [NM_178181]
ZNFX1	20	1,91E-04	2,99	1,03	3,45	Homo sapiens zinc finger, NFX1-type containing 1 (ZNFX1), mRNA [NM_021035]
RAPH1	2	1,18E-04	2,99	-1,21	3,31	Homo sapiens Ras association (RalGDS/AF-6) and pleckstrin homology domains 1 (RAPH1), transcript variant 3, mRNA [NM_203365]
DOCK10	2	6,01E-05	2,99	-1,15	3,42	Homo sapiens dedicator of cytokinesis 10 (DOCK10), mRNA [NM_014689]
IFNAR2	21	5,29E-03	2,99	-1,03	2,89	Homo sapiens interferon (alpha, beta and omega) receptor 2 (IFNAR2), transcript variant 1, mRNA [NM_207585]
LAMA2	6	6,37E-03	2,97	-1,11	3,11	Homo sapiens laminin, alpha 2

						(LAMA2), transcript variant 1, mRNA [NM_000426]
FAM122C	X	3,59E-04	2,97	-1,28	2,72	Homo sapiens family with sequence similarity 122C (FAM122C), transcript variant 2, mRNA [NM_138819]
FAM46C	1	4,02E-04	2,97	-1,29	3,62	Homo sapiens family with sequence similarity 46, member C (FAM46C), mRNA [NM_017709]
SEC24A	5	4,33E-04	2,96	1,15	3,07	Homo sapiens SEC24 family, member A (S. cerevisiae) (SEC24A), mRNA [NM_021982]
STAT3	17	1,73E-05	2,95	1,44	3,50	Homo sapiens signal transducer and activator of transcription 3 (acute-phase response factor) (STAT3), transcript variant 3, mRNA [NM_213662]
IL18R1	2	6,88E-04	2,94	-1,08	2,71	Homo sapiens interleukin 18 receptor 1 (IL18R1), mRNA [NM_003855]
OTUD4	4	4,40E-05	2,94	1,17	3,17	Homo sapiens OTU domain containing 4 (OTUD4), transcript variant 3, mRNA [NM_001102653]
	6	7,12E-04	2,94	-1,10	2,72	lincRNA:chr6:41014072-41020197 reverse strand
RBCK1	20	4,31E-04	2,93	1,05	3,08	Homo sapiens RanBP-type and C3HC4-type zinc finger containing 1 (RBCK1), transcript variant 2, mRNA [NM_031229]
NKX6-3	8	1,30E-02	2,93	1,14	2,64	Homo sapiens NK6 homeobox 3 (NKX6-3), mRNA [NM_152568]
CLDN23	8	2,32E-05	2,93	-1,10	3,59	Homo sapiens claudin 23 (CLDN23), mRNA [NM_194284]
CYCSP52	1	4,22E-02	2,93	1,41	2,77	Homo sapiens cytochrome c, somatic pseudogene 52 (CYCSP52), non-coding RNA [NR_001560]
DOC2B	17	1,27E-03	2,92	-1,06	3,26	Homo sapiens double C2-like domains, beta (DOC2B), mRNA [NM_003585]
IFITM3	11	7,69E-06	2,91	1,21	2,91	Homo sapiens

						interferon induced transmembrane protein 3 (IFITM3), mRNA [NM_021034]
MGC4859	7	3,42E-06	2,91	1,09	2,82	Homo sapiens hypothetical protein MGC4859 similar to HSPA8, mRNA (cDNA clone IMAGE:3605453), partial cds. [BC002644]
CITED4	1	9,12E-05	2,91	1,20	2,82	Homo sapiens Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 4 (CITED4), mRNA [NM_133467]
CREM	10	6,14E-05	2,91	1,04	3,27	Homo sapiens cAMP responsive element modulator (CREM), transcript variant 19, mRNA [NM_183013]
CDC42EP2	11	5,79E-04	2,91	1,24	2,76	Homo sapiens CDC42 effector protein (Rho GTPase binding) 2 (CDC42EP2), mRNA [NM_006779]
MILR1	17	1,35E-02	2,91	-1,14	3,14	Homo sapiens mast cell immunoglobulin-like receptor 1 (MILR1), mRNA [NM_001085423]
HLA-G	6	8,72E-05	2,91	1,04	2,94	Homo sapiens major histocompatibility complex, class I, G (HLA-G), mRNA [NM_002127]
C5orf13	5	4,88E-03	2,91	1,55	3,25	Homo sapiens chromosome 5 open reading frame 13 (C5orf13), transcript variant 11, mRNA [NM_001142483]
OR6Q1	11	1,93E-02	2,90	1,13	1,99	Homo sapiens olfactory receptor, family 6, subfamily Q, member 1 (OR6Q1), mRNA [NM_001005186]
GPC6	13	1,06E-03	2,90	1,21	2,46	Homo sapiens glypican 6 (GPC6), mRNA [NM_005708]
TP53BP2	1	1,15E-03	2,89	1,08	3,01	Homo sapiens tumor protein p53 binding protein, 2 (TP53BP2), transcript variant 2, mRNA [NM_005426]
C3orf23	3	4,29E-06	2,89	-1,01	3,36	Homo sapiens chromosome 3 open reading frame 23 (C3orf23), transcript variant 3, mRNA [NM_001029840]
CFH	1	9,94E-05	2,89	1,12	3,54	Homo sapiens complement factor H

						(CFH), transcript variant 2, mRNA [NM_001014975]
TNFAIP8	5	6,03E-05	2,89	1,07	2,95	Homo sapiens tumor necrosis factor, alpha-induced protein 8 (TNFAIP8), transcript variant 1, mRNA [NM_014350]
LONRF1	8	9,24E-04	2,89	1,04	3,10	Homo sapiens LON peptidase N-terminal domain and ring finger 1 (LONRF1), mRNA [NM_152271]
STYK1	12	8,98E-04	2,89	1,06	2,97	Homo sapiens serine/threonine/tyrosine kinase 1 (STYK1), mRNA [NM_018423]
	13	3,84E-03	2,88	1,21	1,25	lincRNA:chr13:33907815-33909403 reverse strand
BAK1	6	4,30E-07	2,88	1,10	3,16	Homo sapiens BCL2-antagonist/killer 1 (BAK1), mRNA [NM_001188]
NCRNA00152	2	2,37E-05	2,88	1,10	3,12	Homo sapiens non-protein coding RNA 152 (NCRNA00152), transcript variant 1, non-coding RNA [NR_024204]
COL27A1	9	1,73E-03	2,87	-1,04	2,88	collagen, type XXVII, alpha 1 [Source:HGNC Symbol;Acc:22986] [ENST00000374106]
NBN	8	2,64E-04	2,87	1,18	2,92	Homo sapiens nibrin (NBN), mRNA [NM_002485]
LIPH	3	1,06E-04	2,86	-1,57	3,66	Homo sapiens lipase, member H (LIPH), mRNA [NM_139248]
ADAR	1	1,73E-06	2,86	1,16	3,05	Homo sapiens adenosine deaminase, RNA-specific (ADAR), transcript variant 1, mRNA [NM_001111]
EDN1	6	3,56E-04	2,86	-1,18	3,43	Homo sapiens endothelin 1 (EDN1), transcript variant 1, mRNA [NM_001955]
PLAU	10	8,29E-04	2,86	1,14	3,09	Homo sapiens plasminogen activator, urokinase (PLAU), transcript variant 2, mRNA [NM_001145031]
MCTP1	5	8,68E-03	2,86	1,10	2,91	Homo sapiens multiple C2 domains, transmembrane 1 (MCTP1), transcript variant L, mRNA [NM_024717]
GLYATL1	11	3,66E-04	2,85	1,72	4,50	Homo sapiens glycine-N-acyltransferase-like 1

						(GLYATL1), transcript variant 1, mRNA [NM_080661]
SAMD9	7	1,03E-05	2,85	1,01	3,34	Homo sapiens sterile alpha motif domain containing 9 (SAMD9), transcript variant 1, mRNA [NM_017654]
GMPR	6	1,04E-04	2,85	-1,17	2,71	Homo sapiens guanosine monophosphate reductase (GMPR), mRNA [NM_006877]
CTSC	11	2,30E-06	2,85	1,01	3,21	Homo sapiens cathepsin C (CTSC), transcript variant 2, mRNA [NM_148170]
CAMTA1	1	1,24E-02	2,85	1,18	2,86	Homo sapiens calmodulin binding transcription activator 1 (CAMTA1), transcript variant 1, mRNA [NM_015215]
HAAO	2	3,96E-03	2,84	1,08	3,63	Homo sapiens 3-hydroxyanthranilate 3,4-dioxygenase (HAAO), mRNA [NM_012205]
DTX4	11	6,86E-05	2,84	1,10	3,11	Homo sapiens deltex homolog 4 (Drosophila) (DTX4), mRNA [NM_015177]
SDSL	12	6,28E-05	2,84	1,01	3,10	Homo sapiens serine dehydratase-like (SDSL), mRNA [NM_138432]
HLA-DPB2	6	5,97E-04	2,84	-1,18	2,88	Homo sapiens major histocompatibility complex, class II, DP beta 2 (pseudogene) (HLA-DPB2), non-coding RNA [NR_001435]
SLC4A8	12	4,02E-03	2,83	1,57	2,33	Homo sapiens cDNA FLJ46462 fis, clone THYMU3021755. [AK128321]
KYNU	2	6,31E-03	2,83	1,18	2,85	Homo sapiens kynureninase (KYNU), transcript variant 2, mRNA [NM_001032998]
	1	1,87E-06	2,83	1,09	2,85	lincRNA:chr1:175126122-175161929 reverse strand
	17	2,99E-04	2,83	1,07	2,69	lincRNA:chr17:21435959-21436405 reverse strand
TGFA	2	1,68E-03	2,83	1,09	3,01	Homo sapiens transforming growth factor, alpha (TGFA), transcript variant 1, mRNA [NM_003236]
ITGB6	2	4,20E-04	2,83	-1,01	2,95	Homo sapiens integrin, beta 6 (ITGB6), mRNA [NM_000888]

C3	19	7,77E-04	2,82	1,18	3,51	Homo sapiens complement component 3 (C3), mRNA [NM_000064]
TNS1	2	2,64E-03	2,82	1,02	2,78	Homo sapiens tensin 1 (TNS1), mRNA [NM_022648]
PPP1R3B	8	3,25E-03	2,81	1,19	2,63	Homo sapiens protein phosphatase 1, regulatory (inhibitor) subunit 3B (PPP1R3B), transcript variant 1, mRNA [NM_001201329]
FAM70B	13	7,59E-04	2,81	1,10	3,15	Homo sapiens family with sequence similarity 70, member B (FAM70B), mRNA [NM_182614]
LOC100129581	2	2,22E-02	2,80	1,15	1,41	Homo sapiens cDNA FLJ43917 fis, clone TESTI4011505. [AK125905]
XLOC_002473	2	7,08E-04	2,79	1,18	2,51	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
	7	1,30E-02	2,79	-1,26	2,38	lincRNA:chr7:130528285-130800860 reverse strand
AVIL	12	3,60E-02	2,79	-1,50	3,09	Homo sapiens advillin (AVIL), mRNA [NM_006576]
	2	1,37E-05	2,78	1,10	2,85	lincRNA:chr2:111965352-112252622 forward strand
CCDC134	22	4,34E-04	2,78	1,12	3,19	Homo sapiens coiled-coil domain containing 134 (CCDC134), mRNA [NM_024821]
BCAP29	7	5,00E-05	2,78	1,07	2,90	Homo sapiens B-cell receptor-associated protein 29 (BCAP29), transcript variant 2, mRNA [NM_018844]
CCDC85C	14	1,86E-04	2,78	1,25	3,09	Homo sapiens coiled-coil domain containing 85C (CCDC85C), mRNA [NM_001144995]
	17	1,23E-04	2,77	1,07	2,86	lincRNA:chr17:21435739-21477567 reverse strand
MAP2K3	17	1,34E-03	2,77	-1,01	2,85	Homo sapiens mitogen-activated protein kinase kinase 3 (MAP2K3), transcript variant B, mRNA [NM_145109]
ACVRL1	12	2,21E-02	2,77	1,27	2,77	Homo sapiens activin A receptor type II-like 1 (ACVRL1), transcript variant 1, mRNA [NM_000020]
FLJ42393	3	1,46E-02	2,77	-1,06	1,57	Homo sapiens hypothetical

						LOC401105 (FLJ42393), non-coding RNA [NR_024413]
C3orf23	3	1,56E-04	2,77	1,27	2,76	Homo sapiens chromosome 3 open reading frame 23 (C3orf23), transcript variant 1, mRNA [NM_173826]
FOSL1	11	1,60E-04	2,76	1,07	3,01	Homo sapiens FOS-like antigen 1 (FOSL1), mRNA [NM_005438]
NT5C3	7	1,84E-05	2,76	1,06	2,81	Homo sapiens 5'-nucleotidase, cytosolic III (NT5C3), transcript variant 1, mRNA [NM_001002010]
FBXL5	4	5,95E-05	2,76	1,12	3,05	Homo sapiens F-box and leucine-rich repeat protein 5 (FBXL5), transcript variant 1, mRNA [NM_012161]
NT5C3	7	1,02E-05	2,76	1,08	2,93	Homo sapiens 5'-nucleotidase, cytosolic III (NT5C3), transcript variant 1, mRNA [NM_001002010]
CD101	1	4,01E-02	2,76	1,32	1,38	Homo sapiens CD101 molecule (CD101), mRNA [NM_004258]
	17	1,56E-04	2,76	1,07	2,74	lincRNA:chr17:21435180-21454915 reverse strand
ADAM22	7	2,50E-02	2,76	-1,23	2,69	Homo sapiens ADAM metallopeptidase domain 22 (ADAM22), transcript variant 5, mRNA [NM_021721]
LRRN4	20	1,13E-02	2,76	-1,17	2,53	Homo sapiens leucine rich repeat neuronal 4 (LRRN4), mRNA [NM_152611]
KIAA0247	14	1,58E-04	2,76	1,10	2,78	Homo sapiens KIAA0247 (KIAA0247), mRNA [NM_014734]
TMTC1	12	2,77E-05	2,76	1,01	3,12	Homo sapiens transmembrane and tetratricopeptide repeat containing 1 (TMTC1), transcript variant 2, mRNA [NM_175861]
SEC24A	5	6,22E-04	2,75	-1,02	2,92	Homo sapiens SEC24 family, member A (S. cerevisiae), mRNA (cDNA clone MGC:12985 IMAGE:3355949), complete cds.

						[BC019341]
BTN3A2	6	2,21E-05	2,75	-1,05	2,66	Homo sapiens butyrophilin, subfamily 3, member A2 (BTN3A2), transcript variant 3, mRNA [NM_001197247]
SPRY4	5	7,52E-05	2,75	1,05	3,10	Homo sapiens sprouty homolog 4 (Drosophila) (SPRY4), transcript variant 1, mRNA [NM_030964]
PATL2	15	2,34E-05	2,75	-1,13	2,86	Homo sapiens protein associated with topoisomerase II homolog 2 (yeast) (PATL2), mRNA [NM_001145112]
MPHOSPH6	16	4,73E-05	2,75	1,29	2,68	Homo sapiens M-phase phosphoprotein 6 (MPHOSPH6), mRNA [NM_005792]
LOC100128338	8	7,05E-04	2,75	-1,10	2,78	Homo sapiens cDNA FLJ43864 fis, clone TESTI4007799. [AK125852]
XLOC_000626	1	8,02E-05	2,75	1,30	2,50	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
TNFAIP8	5	2,89E-04	2,74	1,01	2,52	Homo sapiens tumor necrosis factor, alpha-induced protein 8 (TNFAIP8), transcript variant 1, mRNA [NM_014350]
OR51A2	11	3,52E-03	2,73	-1,11	-1,08	Homo sapiens olfactory receptor, family 51, subfamily A, member 2 (OR51A2), mRNA [NM_001004748]
TSC22D2	3	5,43E-05	2,73	1,08	2,76	Homo sapiens TSC22 domain family, member 2 (TSC22D2), mRNA [NM_014779]
ICAM2	17	2,08E-04	2,73	-1,08	2,74	Homo sapiens intercellular adhesion molecule 2 (ICAM2), transcript variant 5, mRNA [NM_000873]
SEMA7A	15	1,17E-02	2,73	-1,19	2,62	Homo sapiens semaphorin 7A, GPI membrane anchor (John Milton Hagen blood group) (SEMA7A), transcript variant 1, mRNA [NM_003612]
C10orf47	10	5,16E-04	2,73	1,41	2,93	Homo sapiens chromosome 10 open reading frame 47 (C10orf47), mRNA [NM_153256]

ADC	1	9,33E-03	2,72	1,18	3,07	Homo sapiens arginine decarboxylase (ADC), mRNA [NM_052998]
PCYT1A	3	1,03E-04	2,72	1,05	3,00	Homo sapiens phosphate cytidylyltransferase 1, choline, alpha (PCYT1A), mRNA [NM_005017]
	6	9,18E-04	2,72	-1,13	2,87	major histocompatibility complex, class I, A [Source:HGNC Symbol;Acc:4931] [ENST00000464610]
	17	9,69E-04	2,71	1,07	2,39	lincRNA:chr17:21435180-21454915 reverse strand
TRIB1	8	4,35E-05	2,71	-1,00	3,00	Homo sapiens tribbles homolog 1 (Drosophila) (TRIB1), mRNA [NM_025195]
XLOC_009868	12	1,60E-03	2,71	1,01	3,59	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
MAFF	22	1,47E-03	2,71	1,04	3,12	Homo sapiens v-maf musculoaponeurotic fibrosarcoma oncogene homolog F (avian) (MAFF), transcript variant 1, mRNA [NM_012323]
CAPN3	15	1,91E-03	2,71	1,18	2,78	Homo sapiens calpain 3, (p94) (CAPN3), transcript variant 1, mRNA [NM_000070]
TMPRSS11A	4	2,87E-02	2,71	1,08	3,49	Homo sapiens transmembrane protease, serine 11A (TMPRSS11A), transcript variant 1, mRNA [NM_182606]
ZNF276	16	7,08E-05	2,70	1,21	2,95	Homo sapiens zinc finger protein 276 (ZNF276), transcript variant a, mRNA [NM_001113525]
C5orf13	5	3,70E-03	2,70	1,14	2,62	Homo sapiens chromosome 5 open reading frame 13 (C5orf13), transcript variant 1, mRNA [NM_004772]
EIF2AK2	2	9,13E-07	2,70	1,04	2,71	Homo sapiens eukaryotic translation initiation factor 2-alpha kinase 2 (EIF2AK2), transcript variant 1, mRNA [NM_002759]

ADAMTSL3	15	5,42E-04	2,69	-1,09	3,38	Homo sapiens ADAMTS-like 3 (ADAMTSL3), mRNA [NM_207517]
SLFN12	17	3,35E-04	2,69	1,07	2,62	Homo sapiens schlafen family member 12 (SLFN12), mRNA [NM_018042]
SEC24A	5	3,17E-04	2,69	1,05	2,68	Homo sapiens SEC24 family, member A (S. cerevisiae) (SEC24A), mRNA [NM_021982]
TRIM56	7	5,51E-07	2,69	1,05	2,82	Homo sapiens tripartite motif containing 56 (TRIM56), mRNA [NM_030961]
KYNU	2	1,10E-02	2,69	1,01	2,76	kynureninase [Source:HGNC Symbol;Acc:6469] [ENST00000410015]
ICAM4	19	7,64E-03	2,69	-1,07	2,52	Homo sapiens intercellular adhesion molecule 4 (Landsteiner-Wiener blood group) (ICAM4), transcript variant 2, mRNA [NM_022377]
	7	4,80E-03	2,68	-1,20	2,25	lincRNA:chr7:26533637-26536770 forward strand
BDKRB2	14	3,70E-04	2,68	1,11	2,95	Homo sapiens bradykinin receptor B2 (BDKRB2), mRNA [NM_000623]
UBQLNL	11	2,65E-02	2,67	1,31	2,56	Homo sapiens ubiquilin-like (UBQLNL), mRNA [NM_145053]
PVR	19	9,55E-05	2,67	1,11	2,95	Homo sapiens poliovirus receptor (PVR), transcript variant 1, mRNA [NM_006505]
NFKBIE	6	1,78E-03	2,67	-1,02	2,65	Homo sapiens nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon (NFKBIE), mRNA [NM_004556]
KIAA0664L3	16	3,35E-03	2,66	1,16	3,37	Homo sapiens KIAA0664-like 3 (KIAA0664L3), non-coding RNA [NR_024034]
	3	1,66E-05	2,66	1,13	2,76	lincRNA:chr3:17913516-17913642 reverse strand

FLJ32255	5	3,21E-04	2,66	1,27	2,99	PREDICTED: Homo sapiens hypothetical LOC643977 (FLJ32255), partial miscRNA [XR_108575]
GTSF1L	20	3,24E-03	2,66	-1,43	1,92	Homo sapiens gametocyte specific factor 1-like (GTSF1L), transcript variant 2, mRNA [NM_001008901]
MARCKSL1	1	7,21E-04	2,66	1,07	3,22	Homo sapiens MARCKS-like 1 (MARCKSL1), mRNA [NM_023009]
BDKRB1	14	9,52E-05	2,66	-1,01	3,03	Homo sapiens bradykinin receptor B1 (BDKRB1), mRNA [NM_000710]
FAM71A	1	1,53E-02	2,66	1,33	2,80	Homo sapiens family with sequence similarity 71, member A (FAM71A), mRNA [NM_153606]
TGM5	15	2,16E-03	2,65	1,03	3,69	Homo sapiens transglutaminase 5 (TGM5), transcript variant 1, mRNA [NM_201631]
FAM71E2	19	4,17E-02	2,65	-1,20	2,38	Homo sapiens family with sequence similarity 71, member E2 (FAM71E2), mRNA [NM_001145402]
ADCY5	3	3,37E-02	2,65	1,00	3,78	Homo sapiens adenylate cyclase 5 (ADCY5), transcript variant 1, mRNA [NM_183357]
TMEM62	15	8,94E-04	2,65	1,14	3,01	Homo sapiens transmembrane protein 62 (TMEM62), mRNA [NM_024956]
STAT3	17	3,23E-05	2,65	1,28	2,90	Homo sapiens signal transducer and activator of transcription 3 (acute-phase response factor) (STAT3), transcript variant 3, mRNA [NM_213662]
SPRED1	15	1,29E-04	2,65	1,17	2,63	Homo sapiens sprouty-related, EVH1 domain containing 1 (SPRED1), mRNA [NM_152594]
EDN1	6	2,52E-04	2,64	-1,19	2,85	Homo sapiens endothelin 1 (EDN1), transcript variant 1, mRNA [NM_001955]
	11	4,08E-02	2,64	-1,04	-1,06	lincRNA:chr11:18610699-18619599 forward strand
FXYD5	19	1,46E-02	2,63	1,38	2,67	FXYD domain

						containing ion transport regulator 5 [Source:HGNC Symbol;Acc:4029] [ENST00000392217]
TGM2	20	6,53E-03	2,63	1,19	2,30	Homo sapiens transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase) (TGM2), transcript variant 2, mRNA [NM_198951]
GSTK1	7	3,60E-06	2,63	1,09	2,74	Homo sapiens glutathione S-transferase kappa 1 (GSTK1), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA [NM_001143679]
CD70	19	3,30E-02	2,63	-1,21	2,91	Homo sapiens CD70 molecule (CD70), mRNA [NM_001252]
PTPRH	19	6,91E-03	2,63	-1,18	2,71	Homo sapiens protein tyrosine phosphatase, receptor type, H (PTPRH), transcript variant 1, mRNA [NM_002842]
ZFP36	19	2,16E-03	2,63	1,04	3,17	Homo sapiens zinc finger protein 36, C3H type, homolog (mouse) (ZFP36), mRNA [NM_003407]
PPA1	10	3,12E-04	2,63	1,12	2,61	Homo sapiens pyrophosphatase (inorganic) 1 (PPA1), mRNA [NM_021129]
CALCOCO2	17	7,14E-06	2,63	-1,01	2,71	Homo sapiens calcium binding and coiled-coil domain 2 (CALCOCO2), mRNA [NM_005831]
SERPINH1	11	9,00E-06	2,62	1,05	2,61	Homo sapiens serpin peptidase inhibitor, clade H (heat shock protein 47), member 1, (collagen binding protein 1) (SERPINH1), transcript variant 1, mRNA [NM_001207014]
PDE4DIP	1	1,61E-04	2,62	1,13	2,86	Homo sapiens phosphodiesterase 4D interacting protein (PDE4DIP), transcript variant 5, mRNA [NM_001002811]
C1orf220	1	4,52E-03	2,61	1,07	2,81	Homo sapiens chromosome 1 open reading frame 220 (C1orf220), non-coding RNA

						[NR_033186]
MREG	2	6,94E-05	2,61	1,22	2,74	Homo sapiens melanoregulin (MREG), mRNA [NM_018000]
CCDC85C	14	9,77E-06	2,60	1,03	2,73	Homo sapiens coiled-coil domain containing 85C (CCDC85C), mRNA [NM_001144995]
DPYD	1	4,37E-03	2,60	1,12	3,80	Homo sapiens dihydropyrimidine dehydrogenase (DPYD), transcript variant 2, mRNA [NM_001160301]
LMO7	13	5,93E-05	2,60	-1,17	3,60	Homo sapiens LIM domain 7 (LMO7), transcript variant 2, mRNA [NM_015842]
SLC44A4	6	1,71E-02	2,60	1,22	3,32	Homo sapiens solute carrier family 44, member 4 (SLC44A4), transcript variant 1, mRNA [NM_025257]
P2RX7	12	4,52E-04	2,60	-1,05	2,95	Homo sapiens purinergic receptor P2X, ligand-gated ion channel, 7 (P2RX7), transcript variant 1, mRNA [NM_002562]
	6	1,02E-02	2,60	1,05	1,09	lincRNA:chr6:67943826801404 reverse strand
	1	1,38E-03	2,60	-1,13	2,59	lincRNA:chr1:180929852-180942077 reverse strand
CARD11	7	3,67E-04	2,59	1,08	2,96	Homo sapiens caspase recruitment domain family, member 11 (CARD11), mRNA [NM_032415]
FLNB	3	8,03E-04	2,59	1,24	2,53	Homo sapiens filamin B, beta (FLNB), transcript variant 2, mRNA [NM_001457]
UBA6	4	4,24E-05	2,59	1,19	2,34	Homo sapiens ubiquitin-like modifier activating enzyme 6 (UBA6), mRNA [NM_018227]
	22	1,54E-02	2,59	2,04	2,28	lincRNA:chr22:43389281-43405581 reverse strand
CCDC125	5	2,16E-06	2,59	1,04	2,55	Homo sapiens coiled-coil domain containing 125 (CCDC125), mRNA [NM_176816]
MTHFR	1	1,69E-03	2,59	1,09	2,30	Homo sapiens methylenetetrahydrof

						olate reductase (NAD(P)H) (MTHFR), mRNA [NM_005957]
XLOC_003204	3	3,40E-02	2,58	-1,25	2,52	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
BCL6	3	1,32E-04	2,58	1,20	2,69	Homo sapiens B-cell CLL/lymphoma 6 (BCL6), transcript variant 2, mRNA [NM_001130845]
SELPLG	12	8,71E-03	2,58	1,20	2,86	Homo sapiens selectin P ligand (SELPLG), transcript variant 2, mRNA [NM_003006]
CYP2J2	1	1,51E-03	2,58	1,07	2,64	Homo sapiens cytochrome P450, family 2, subfamily J, polypeptide 2 (CYP2J2), mRNA [NM_000775]
C3	19	1,60E-03	2,58	1,12	3,15	Homo sapiens complement component 3 (C3), mRNA [NM_000064]
	17	1,95E-02	2,58	1,12	2,26	lincRNA:chr17:21433357-21449982 reverse strand
ODF3B	22	3,74E-06	2,58	1,23	2,55	Homo sapiens outer dense fiber of sperm tails 3B (ODF3B), mRNA [NM_001014440]
RBCK1	20	1,18E-03	2,58	1,01	2,84	Homo sapiens RanBP-type and C3HC4-type zinc finger containing 1 (RBCK1), transcript variant 2, mRNA [NM_031229]
ARID5A	2	9,41E-05	2,58	1,19	2,69	Homo sapiens AT rich interactive domain 5A (MRF1-like) (ARID5A), mRNA [NM_212481]
	3	1,50E-05	2,58	1,15	2,60	lincRNA:chr3:17904246-18167346 reverse strand
	21	1,48E-02	2,57	1,12	2,69	lincRNA:chr21:45229082-45229931 forward strand
LCP1	13	1,44E-02	2,57	1,17	2,49	Homo sapiens lymphocyte cytosolic protein 1 (L-plastin) (LCP1), mRNA [NM_002298]
OGFR	20	2,36E-06	2,57	1,03	2,80	Homo sapiens opioid growth factor receptor (OGFR), mRNA [NM_007346]
NOTCH4	6	1,09E-02	2,57	1,08	2,81	Homo sapiens notch 4 (NOTCH4), mRNA [NM_004557]
FAM117B	2	2,81E-03	2,57	1,05	2,79	family with sequence

						similarity 117, member B [Source:HGNC Symbol;Acc:14440] [ENST00000481658]
	2	2,01E-02	2,56	-1,23	2,36	lincRNA:chr2:120966064-120966496 reverse strand
IFITM2	11	9,52E-06	2,56	1,20	2,57	Homo sapiens interferon induced transmembrane protein 2 (1-8D) (IFITM2), mRNA [NM_006435]
CTSB	8	1,26E-03	2,56	1,26	2,46	Homo sapiens cathepsin B (CTSB), transcript variant 2, mRNA [NM_147780]
	1	1,83E-03	2,56	-1,22	2,57	chromosome 1 open reading frame 196 [Source:HGNC Symbol;Acc:32336] [ENST00000412667]
PLXDC1	17	4,96E-03	2,56	-1,37	2,31	Homo sapiens plexin domain containing 1 (PLXDC1), mRNA [NM_020405]
ZNFX1	20	8,04E-04	2,56	-1,06	2,82	Homo sapiens zinc finger, NFX1-type containing 1 (ZNFX1), mRNA [NM_021035]
	2	1,30E-05	2,56	1,03	2,82	lincRNA:chr2:37325696-37331035 reverse strand
CXCL17	19	1,57E-03	2,56	1,22	3,09	Homo sapiens chemokine (C-X-C motif) ligand 17 (CXCL17), mRNA [NM_198477]
	12	2,79E-02	2,55	-1,01	2,18	lincRNA:chr12:95697844-95704411 reverse strand
ATP13A3	3	3,14E-05	2,55	-1,04	2,36	Homo sapiens ATPase type 13A3 (ATP13A3), mRNA [NM_024524]
	2	3,41E-02	2,55	3,17	2,86	lincRNA:chr2:70571096-70619246 reverse strand
ACSS1	20	2,73E-04	2,55	-1,06	2,38	Homo sapiens acyl-CoA synthetase short-chain family member 1 (ACSS1), nuclear gene encoding mitochondrial protein, mRNA [NM_032501]
HLA-DOB	6	1,91E-04	2,54	1,04	2,64	Homo sapiens major histocompatibility complex, class II, DO beta (HLA-DOB), mRNA [NM_002120]
EIF2AK2	2	3,82E-06	2,54	1,06	2,83	Homo sapiens eukaryotic translation initiation factor 2-alpha kinase 2 (EIF2AK2), transcript

						variant 3, mRNA [NM_001135652]
FSIP1	15	5,54E-03	2,54	1,03	2,54	Homo sapiens fibrous sheath interacting protein 1 (FSIP1), mRNA [NM_152597]
DPP4	2	6,13E-03	2,54	1,38	2,57	Homo sapiens dipeptidyl-peptidase 4 (DPP4), mRNA [NM_001935]
C3orf38	3	3,93E-05	2,54	1,09	2,78	Homo sapiens chromosome 3 open reading frame 38 (C3orf38), mRNA [NM_173824]
CCBP2	3	7,24E-04	2,54	-1,39	2,60	Homo sapiens chemokine binding protein 2 (CCBP2), mRNA [NM_001296]
HIVEP3	1	1,45E-03	2,54	1,30	2,68	human immunodeficiency virus type I enhancer binding protein 3 [Source:HGNC Symbol;Acc:13561] [ENST00000372583]
	13	3,51E-02	2,54	1,11	1,92	lincRNA:chr13:112180014-112180256 reverse strand
SAMD4A	14	2,96E-04	2,54	1,17	2,56	Homo sapiens sterile alpha motif domain containing 4A (SAMD4A), transcript variant 1, mRNA [NM_015589]
SAMHD1	20	1,92E-05	2,54	-1,10	2,73	Homo sapiens SAM domain and HD domain 1 (SAMHD1), mRNA [NM_015474]
TAPBP	6	2,29E-02	2,54	-1,07	2,51	TAP binding protein (tapasin) [Source:HGNC Symbol;Acc:11566] [ENST00000480730]
CFLAR	2	3,34E-04	2,53	-1,04	2,51	Homo sapiens CASP8 and FADD-like apoptosis regulator (CFLAR), transcript variant 3, mRNA [NM_001127184]
CSF1	1	1,49E-04	2,53	-1,08	2,91	Homo sapiens colony stimulating factor 1 (macrophage) (CSF1), transcript variant 1, mRNA [NM_000757]
HLA-A	6	1,87E-03	2,53	-1,00	2,63	Homo sapiens major histocompatibility complex, class I, A (HLA-A), transcript variant 1, mRNA [NM_002116]
BBOX1	11	3,32E-04	2,53	-1,35	3,48	Homo sapiens butyrobetaine (gamma), 2-oxoglutarate

						dioxygenase (gamma-butyrobetaine hydroxylase) 1 (BBOX1), mRNA [NM_003986]
DNAH17	17	1,73E-02	2,52	-1,04	1,97	dynein, axonemal, heavy chain 17 [Source:HGNC Symbol;Acc:2946] [ENST00000464366]
PPA1	10	2,02E-05	2,52	1,14	2,51	Homo sapiens pyrophosphatase (inorganic) 1 (PPA1), mRNA [NM_021129]
PPAPDC1A	10	1,45E-03	2,52	-1,02	3,38	Homo sapiens phosphatidic acid phosphatase type 2 domain containing 1A (PPAPDC1A), mRNA [NM_001030059]
MOV10	1	1,05E-05	2,52	1,06	2,82	Homo sapiens Mov10, Moloney leukemia virus 10, homolog (mouse) (MOV10), transcript variant 1, mRNA [NM_020963]
ELOVL7	5	2,56E-03	2,52	-1,01	2,80	Homo sapiens ELOVL fatty acid elongase 7 (ELOVL7), transcript variant 1, mRNA [NM_024930]
SLC39A8	4	3,21E-02	2,52	1,08	2,44	Homo sapiens solute carrier family 39 (zinc transporter), member 8 (SLC39A8), transcript variant 1, mRNA [NM_022154]
NRCAM	7	5,31E-03	2,51	-1,12	2,55	Homo sapiens neuronal cell adhesion molecule (NRCAM), transcript variant 1, mRNA [NM_001037132]
SH3TC1	4	1,78E-04	2,51	1,23	2,47	Homo sapiens SH3 domain and tetratricopeptide repeats 1 (SH3TC1), mRNA [NM_018986]
ADPRH	3	1,98E-05	2,51	1,17	2,57	Homo sapiens ADP-ribosylarginine hydrolase (ADPRH), mRNA [NM_001125]
TRIM10	6	2,00E-02	2,51	-1,07	2,50	Homo sapiens tripartite motif containing 10 (TRIM10), transcript variant 2, mRNA [NM_052828]
GPD2	2	1,72E-06	2,51	1,04	2,47	Homo sapiens glycerol-3-phosphate dehydrogenase 2 (mitochondrial) (GPD2), nuclear gene encoding mitochondrial

						protein, transcript variant 1, mRNA [NM_001083112]
MCTP2	15	3,07E-04	2,51	1,15	2,36	Homo sapiens multiple C2 domains, transmembrane 2 (MCTP2), transcript variant 1, mRNA [NM_018349]
ADC	1	2,95E-03	2,51	1,15	2,67	Homo sapiens arginine decarboxylase (ADC), mRNA [NM_052998]
C17orf51	17	8,16E-04	2,50	-1,01	2,48	Homo sapiens chromosome 17 open reading frame 51 (C17orf51), mRNA [NM_001113434]
KIAA0040	1	2,67E-06	2,50	-1,04	2,75	Homo sapiens KIAA0040 (KIAA0040), transcript variant 1, mRNA [NM_001162893]
RAB33B	4	1,95E-04	2,50	-1,06	2,57	Homo sapiens RAB33B, member RAS oncogene family (RAB33B), mRNA [NM_031296]
STAMBPL1	10	4,26E-03	2,50	1,21	3,06	Homo sapiens STAM binding protein-like 1 (STAMBPL1), mRNA [NM_020799]
NAMPT	7	6,81E-03	2,50	1,04	2,31	Homo sapiens cDNA FLJ13279 fis, clone OVARC1001055, moderately similar to PRE-B CELL ENHANCING FACTOR PRECURSOR. [AK023341]
TARSL2	15	5,28E-04	2,50	1,47	2,54	Homo sapiens threonyl-tRNA synthetase-like 2 (TARSL2), mRNA [NM_152334]
GSTK1	7	8,53E-05	2,50	1,07	2,84	Homo sapiens glutathione S-transferase kappa 1 (GSTK1), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_015917]
NFKB2	10	1,46E-03	2,50	-1,04	2,56	Homo sapiens nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100) (NFKB2), transcript variant 3, mRNA [NM_001077493]
MBP	18	2,17E-02	2,50	-1,06	2,92	Homo sapiens myelin basic protein

						(MBP), transcript variant 7, mRNA [NM_001025101]
LRRC31	3	1,03E-02	2,49	1,51	1,62	Homo sapiens leucine rich repeat containing 31 (LRRC31), mRNA [NM_024727]
SELPLG	12	5,14E-04	2,49	1,11	2,85	Homo sapiens selectin P ligand (SELPLG), transcript variant 1, mRNA [NM_001206609]
GAB3	X	5,95E-03	2,49	1,05	1,04	Homo sapiens GRB2-associated binding protein 3 (GAB3), transcript variant 2, mRNA [NM_080612]
PTK2B	8	6,06E-04	2,49	1,04	2,72	Homo sapiens PTK2B protein tyrosine kinase 2 beta (PTK2B), transcript variant 1, mRNA [NM_173174]
PTPN12	7	7,14E-06	2,49	1,09	2,47	Homo sapiens protein tyrosine phosphatase, non-receptor type 12 (PTPN12), transcript variant 1, mRNA [NM_002835]
COL8A2	1	6,28E-04	2,48	1,28	2,26	Homo sapiens collagen, type VIII, alpha 2 (COL8A2), mRNA [NM_005202]
ARHGAP31	3	3,02E-02	2,48	1,12	2,99	Homo sapiens Rho GTPase activating protein 31 (ARHGAP31), mRNA [NM_020754]
SLC41A2	12	9,53E-03	2,48	1,04	2,66	Homo sapiens solute carrier family 41, member 2 (SLC41A2), mRNA [NM_032148]
ST5	11	1,63E-05	2,48	1,30	2,15	Homo sapiens suppression of tumorigenicity 5 (ST5), transcript variant 1, mRNA [NM_005418]
BCL2L11	2	2,79E-03	2,48	1,20	2,40	Homo sapiens BCL2-like 11 (apoptosis facilitator) (BCL2L11), transcript variant 1, mRNA [NM_138621]
S1PR3	9	1,94E-03	2,48	-1,02	3,11	Homo sapiens sphingosine-1-phosphate receptor 3 (S1PR3), mRNA [NM_005226]
SSTR2	17	3,07E-02	2,48	-1,08	3,94	Homo sapiens somatostatin receptor 2 (SSTR2), mRNA [NM_001050]
DENND3	8	1,32E-03	2,47	1,02	2,63	Homo sapiens DENN/MADD

						domain containing 3 (DENND3), mRNA [NM_014957]
KLHL6	3	1,30E-02	2,47	-1,13	2,91	Homo sapiens kelch-like 6 (Drosophila) (KLHL6), mRNA [NM_130446]
	1	2,46E-03	2,47	1,14	2,39	lincRNA:chr1:205404014-205407007 reverse strand
KIF19	17	7,72E-03	2,47	-1,62	2,03	Homo sapiens kinesin family member 19 (KIF19), mRNA [NM_153209]
SLC2A3	12	3,11E-02	2,47	-1,14	2,56	Homo sapiens solute carrier family 2 (facilitated glucose transporter), member 3 (SLC2A3), mRNA [NM_006931]
TSPAN15	10	1,31E-02	2,47	1,17	2,94	Homo sapiens tetraspanin 15 (TSPAN15), mRNA [NM_012339]
SYNJ2	6	1,74E-03	2,47	1,18	2,55	Homo sapiens synaptojanin 2 (SYNJ2), transcript variant 1, mRNA [NM_003898]
XDH	2	2,87E-04	2,46	1,07	1,95	Homo sapiens xanthine dehydrogenase (XDH), mRNA [NM_000379]
IFFO1	12	5,56E-05	2,46	1,22	2,35	Homo sapiens intermediate filament family orphan 1 (IFFO1), transcript variant 4, mRNA [NM_001039670]
ATF3	1	5,24E-04	2,46	-1,21	2,34	Homo sapiens activating transcription factor 3 (ATF3), transcript variant 4, mRNA [NM_001040619]
ATF3	1	7,74E-04	2,45	-1,21	2,51	Homo sapiens activating transcription factor 3 (ATF3), transcript variant 4, mRNA [NM_001040619]
DNAJA1	9	4,42E-07	2,45	1,08	2,69	Homo sapiens DnaJ (Hsp40) homolog, subfamily A, member 1 (DNAJA1), mRNA [NM_001539]
	2	1,40E-02	2,45	1,04	2,02	lincRNA:chr2:37327291-37327559 forward strand
OR2A7	7	3,19E-03	2,44	1,24	1,84	Homo sapiens olfactory receptor, family 2, subfamily A, member 7 (OR2A7), mRNA [NM_001005328]
	3	4,60E-02	2,44	-1,43	2,46	lincRNA:chr3:194190336-194206786 reverse strand

TNC	9	8,09E-04	2,44	1,02	2,24	Homo sapiens tenascin C (TNC), mRNA [NM_002160]
SQRDL	15	4,89E-06	2,44	1,08	2,32	Homo sapiens sulfide quinone reductase-like (yeast) (SQRDL), nuclear gene encoding mitochondrial protein, mRNA [NM_021199]
MCTP1	5	4,70E-04	2,44	-1,24	2,68	Homo sapiens multiple C2 domains, transmembrane 1 (MCTP1), transcript variant L, mRNA [NM_024717]
C21orf71	21	1,63E-02	2,44	1,86	1,63	Homo sapiens chromosome 21 open reading frame 71 (C21orf71), non-coding RNA [NR_024092]
XLOC_004803	5	8,20E-05	2,43	1,18	2,77	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
	2	8,37E-03	2,43	1,24	2,32	lincRNA:chr2:232219356-232231081 forward strand
XLOC_004620	5	2,96E-04	2,43	1,15	2,68	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
CTSC	11	4,14E-04	2,43	1,01	2,81	Homo sapiens cathepsin C (CTSC), transcript variant 1, mRNA [NM_001814]
RBCK1	20	4,97E-04	2,43	-1,05	2,56	Homo sapiens RanBP-type and C3HC4-type zinc finger containing 1 (RBCK1), transcript variant 1, mRNA [NM_006462]
CASP8	2	9,46E-04	2,43	-1,05	2,85	Homo sapiens caspase 8, apoptosis-related cysteine peptidase (CASP8), transcript variant E, mRNA [NM_033358]
RAB3IP	12	1,09E-03	2,43	-1,53	2,49	RAB3A interacting protein (rabin3) [Source:HGNC Symbol;Acc:16508] [ENST00000378815]
ABHD16A	6	4,95E-08	2,42	1,07	2,59	Homo sapiens abhydrolase domain containing 16A (ABHD16A), transcript variant 1, mRNA [NM_021160]
MITD1	2	1,15E-05	2,42	1,09	2,53	Homo sapiens MIT, microtubule interacting and

						transport, domain containing 1 (MITD1), mRNA [NM_138798]
TNIP1	5	1,15E-02	2,42	1,03	2,55	Homo sapiens TNFAIP3 interacting protein 1 (TNIP1), mRNA [NM_006058]
MOBKL2C	1	7,66E-07	2,42	1,03	2,82	Homo sapiens MOB1, Mps One Binder kinase activator-like 2C (yeast) (MOBKL2C), transcript variant 1, mRNA [NM_145279]
RAB43	3	1,73E-05	2,42	1,07	2,34	Homo sapiens RAB43, member RAS oncogene family (RAB43), transcript variant 1, mRNA [NM_198490]
FRMD3	9	3,64E-02	2,41	1,05	2,00	Homo sapiens FERM domain containing 3 (FRMD3), mRNA [NM_174938]
POM121L12	7	6,63E-04	2,41	-1,26	2,33	Homo sapiens POM121 membrane glycoprotein-like 12 (POM121L12), mRNA [NM_182595]
CD97	19	2,29E-04	2,41	1,01	2,59	Homo sapiens CD97 molecule (CD97), transcript variant 1, mRNA [NM_078481]
CXCL16	17	1,04E-03	2,41	-1,03	2,47	Homo sapiens chemokine (C-X-C motif) ligand 16 (CXCL16), transcript variant 2, mRNA [NM_001100812]
POMP	13	1,00E-04	2,41	1,08	2,35	Homo sapiens proteasome maturation protein (POMP), mRNA [NM_015932]
	13	2,20E-02	2,41	1,18	1,33	lincRNA:chr13:22572600-22804150 reverse strand
	5	3,03E-02	2,41	1,35	2,86	lincRNA:chr5:39521676-39524810 reverse strand
BTN2A2	6	3,18E-04	2,41	-1,12	2,49	Homo sapiens butyrophilin, subfamily 2, member A2 (BTN2A2), transcript variant 2, mRNA [NM_181531]
IL18R1	2	6,64E-04	2,41	-1,10	2,39	Homo sapiens interleukin 18 receptor 1 (IL18R1), mRNA [NM_003855]
LY6E	8	4,84E-05	2,41	1,05	2,40	Homo sapiens lymphocyte antigen 6 complex, locus E (LY6E), transcript variant 1, mRNA [NM_002346]
MIG7	1	2,60E-04	2,40	1,04	2,19	Homo sapiens MIG7 (MIG7) mRNA,

						complete cds. [DQ080207]
ST7-AS1	7	1,17E-03	2,40	1,08	2,14	Homo sapiens ST7 antisense RNA 1 (non-protein coding) (ST7-AS1), antisense RNA [NR_002330]
GPM6B	X	1,50E-02	2,40	-1,12	2,31	Homo sapiens glycoprotein M6B (GPM6B), transcript variant 2, mRNA [NM_001001996]
XLOC_003204	3	1,07E-02	2,40	1,13	2,22	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
EMP2	16	4,55E-04	2,40	-1,05	3,09	Homo sapiens epithelial membrane protein 2 (EMP2), mRNA [NM_001424]
IL8	4	1,12E-03	2,40	1,41	2,99	interleukin 8 [Source:HGNC Symbol;Acc:6025] [ENST00000401931]
ZC3H12C	11	6,18E-03	2,40	-1,01	2,28	Homo sapiens zinc finger CCCH-type containing 12C (ZC3H12C), mRNA [NM_033390]
	1	1,64E-02	2,39	1,15	2,71	lincRNA:chr1:205410835-205411291 reverse strand
SH3TC1	4	4,35E-02	2,39	1,18	2,09	Homo sapiens SH3 domain and tetratricopeptide repeats 1, mRNA (cDNA clone IMAGE:6291103), complete cds. [BC068094]
MAT1A	10	2,68E-03	2,39	-1,01	2,63	Homo sapiens methionine adenosyltransferase I, alpha (MAT1A), mRNA [NM_000429]
	6	3,54E-03	2,39	1,21	1,40	lincRNA:chr6:107182919-107187643 forward strand
PCGF5	10	1,16E-05	2,39	1,07	2,29	Homo sapiens polycomb group ring finger 5 (PCGF5), mRNA [NM_032373]
C12orf70	12	1,27E-03	2,39	-1,03	2,45	Homo sapiens chromosome 12 open reading frame 70 (C12orf70), mRNA [NM_001145010]
MOV10	1	1,10E-05	2,39	1,07	2,72	Homo sapiens Mov10, Moloney leukemia virus 10, homolog (mouse) (MOV10), transcript variant 1, mRNA [NM_020963]
C6orf132	6	1,89E-02	2,39	-1,11	2,70	Homo sapiens

						chromosome 6 open reading frame 132 (C6orf132), mRNA [NM_001164446]
RELB	19	4,60E-05	2,38	1,03	2,25	Homo sapiens v-rel reticuloendotheliosis viral oncogene homolog B (RELB), mRNA [NM_006509]
MAST4	5	2,97E-03	2,38	-1,04	2,56	Homo sapiens microtubule associated serine/threonine kinase family member 4 (MAST4), transcript variant 3, mRNA [NM_001164664]
ADCY7	16	3,73E-04	2,38	1,14	2,49	Homo sapiens adenylate cyclase 7 (ADCY7), mRNA [NM_001114]
MREG	2	8,81E-04	2,37	1,09	2,45	Homo sapiens melanoregulin (MREG), mRNA [NM_018000]
DNAJA1P5	1	6,45E-08	2,37	1,03	2,51	Homo sapiens DnaJ (Hsp40) homolog, subfamily A, member 1 pseudogene 5 (DNAJA1P5), non-coding RNA [NR_033424]
SNTB2	16	2,58E-04	2,37	1,05	2,71	Homo sapiens syntrophin, beta 2 (dystrophin-associated protein A1, 59kDa, basic component 2) (SNTB2), mRNA [NM_006750]
TOP1P2	22	3,21E-04	2,37	1,03	2,71	Homo sapiens topoisomerase (DNA) I pseudogene 2 (TOP1P2), non-coding RNA [NR_001283]
GPT2	16	3,67E-04	2,37	-1,05	2,64	Homo sapiens glutamic pyruvate transaminase (alanine aminotransferase) 2 (GPT2), transcript variant 1, mRNA [NM_133443]
BANK1	4	2,78E-04	2,36	-1,16	2,52	Homo sapiens B-cell scaffold protein with ankyrin repeats 1 (BANK1), transcript variant 1, mRNA [NM_017935]
	2	2,60E-04	2,36	-1,02	3,12	
HMSD	18	2,23E-04	2,36	-1,00	2,24	Homo sapiens histocompatibility (minor) serpin domain containing (HMSD), mRNA [NM_001123366]
CDC42SE2	5	6,17E-05	2,36	1,15	2,31	Homo sapiens

						CDC42 small effector 2 (CDC42SE2), transcript variant 1, mRNA [NM_020240]
PABPC4L	4	2,07E-03	2,36	1,00	2,63	Homo sapiens poly(A) binding protein, cytoplasmic 4-like (PABPC4L), mRNA [NM_001114734]
FAM117B	2	9,48E-04	2,36	1,05	2,00	Homo sapiens family with sequence similarity 117, member B (FAM117B), mRNA [NM_173511]
	6	2,75E-03	2,36	-1,44	2,60	lincRNA:chr6:29701971-29740296 forward strand
QPCT	2	3,01E-03	2,36	1,02	2,54	Homo sapiens glutaminyl-peptide cyclotransferase (QPCT), mRNA [NM_012413]
KARS	16	6,08E-05	2,35	1,04	2,40	Homo sapiens lysyl-tRNA synthetase (KARS), transcript variant 1, mRNA [NM_001130089]
TJP2	9	3,92E-02	2,35	-1,25	2,21	tight junction protein 2 (zona occludens 2) [Source:HGNC Symbol;Acc:11828] [ENST00000377259]
EHD1	11	2,11E-04	2,35	1,02	2,36	Homo sapiens EH-domain containing 1 (EHD1), mRNA [NM_006795]
CISH	3	3,75E-03	2,35	1,12	2,83	Homo sapiens cytokine inducible SH2-containing protein (CISH), transcript variant 2, mRNA [NM_145071]
NUB1	7	9,23E-06	2,34	-1,04	2,55	Homo sapiens negative regulator of ubiquitin-like proteins 1 (NUB1), mRNA [NM_016118]
PAOX	10	1,08E-03	2,34	1,09	2,40	Homo sapiens polyamine oxidase (exo-N4-amino) (PAOX), transcript variant 1, mRNA [NM_152911]
TRIB2	2	6,11E-05	2,34	-1,05	2,08	tribbles homolog 2 (Drosophila) [Source:HGNC Symbol;Acc:30809] [ENST00000405331]
CLEC2B	12	1,91E-02	2,33	1,18	2,54	Homo sapiens C-type lectin domain family 2, member B (CLEC2B), mRNA [NM_005127]
IFNAR2	21	9,41E-04	2,33	1,02	2,45	Homo sapiens interferon (alpha, beta and omega) receptor 2 (IFNAR2),

						transcript variant 2, mRNA [NM_000874]
TOP1	20	2,05E-04	2,33	1,02	2,56	Homo sapiens topoisomerase (DNA) I (TOP1), mRNA [NM_003286]
ATP13A3	3	5,29E-04	2,33	-1,01	2,18	Homo sapiens ATPase type 13A3 (ATP13A3), mRNA [NM_024524]
ETV6	12	3,87E-05	2,33	1,16	2,37	Homo sapiens ets variant 6 (ETV6), mRNA [NM_001987]
FAM172BP	3	6,60E-04	2,33	1,08	2,21	Homo sapiens family with sequence similarity 172, member B, pseudogene (FAM172BP), non-coding RNA [NR_036433]
PVR	19	1,32E-03	2,33	1,03	2,40	Homo sapiens poliovirus receptor (PVR), transcript variant 1, mRNA [NM_006505]
SH3BP2	4	1,25E-03	2,32	1,37	2,48	Homo sapiens SH3-domain binding protein 2 (SH3BP2), transcript variant 4, mRNA [NM_001145855]
	1	2,12E-03	2,32	1,01	2,41	lincRNA:chr1:198802352-198907577 reverse strand
GTPBP1	22	2,21E-06	2,32	-1,03	2,53	Homo sapiens GTP binding protein 1 (GTPBP1), mRNA [NM_004286]
FAM83E	19	1,01E-03	2,32	1,24	2,62	Homo sapiens family with sequence similarity 83, member E (FAM83E), mRNA [NM_017708]
COL22A1	8	2,03E-03	2,32	1,14	1,94	Homo sapiens collagen, type XXII, alpha 1 (COL22A1), mRNA [NM_152888]
MATL2963	12	1,04E-03	2,32	1,16	2,31	Homo sapiens hypothetical LOC283314 (MATL2963), non-coding RNA [NR_026947]
LOC100144604	15	1,80E-04	2,32	1,00	2,45	Homo sapiens hypothetical LOC100144604 (LOC100144604), non-coding RNA [NR_021493]
MITD1	2	4,31E-06	2,32	1,04	2,36	Homo sapiens MIT, microtubule interacting and transport, domain containing 1 (MITD1), mRNA [NM_138798]
C2orf16	2	3,74E-02	2,31	-1,42	1,68	Homo sapiens chromosome 2 open

						reading frame 16 (C2orf16), mRNA [NM_032266]
ANKFY1	17	1,06E-03	2,31	-1,02	1,78	Homo sapiens ankyrin repeat and FYVE domain containing 1 (ANKFY1), transcript variant 2, mRNA [NM_020740]
LMO7	13	3,20E-05	2,31	-1,37	3,15	Homo sapiens LIM domain 7 (LMO7), transcript variant 1, mRNA [NM_005358]
IFNGR2	21	6,06E-04	2,31	1,16	2,39	Homo sapiens interferon gamma receptor 2 (interferon gamma transducer 1) (IFNGR2), mRNA [NM_005534]
PRKAA2	1	4,76E-02	2,31	1,06	1,95	Homo sapiens protein kinase, AMP-activated, alpha 2 catalytic subunit (PRKAA2), mRNA [NM_006252]
APOBEC3F	22	2,20E-05	2,31	1,08	2,27	Homo sapiens apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3F (APOBEC3F), transcript variant 2, mRNA [NM_001006666]
NFKB1	4	4,89E-04	2,31	1,10	2,38	Homo sapiens nuclear factor of kappa light polypeptide gene enhancer in B-cells 1 (NFKB1), transcript variant 1, mRNA [NM_003998]
OR2A42	7	2,60E-03	2,31	1,12	1,96	Homo sapiens olfactory receptor, family 2, subfamily A, member 42 (OR2A42), mRNA [NM_001001802]
	1	4,94E-03	2,31	1,11	2,14	lincRNA:chr1:205404014-205407007 reverse strand
NTNG2	9	9,55E-03	2,31	1,05	2,32	Homo sapiens netrin G2 (NTNG2), mRNA [NM_032536]
SYNJ2	6	3,66E-02	2,30	-1,01	2,71	Homo sapiens synaptojanin 2 (SYNJ2), transcript variant 1, mRNA [NM_003898]
SNAI3	16	3,64E-02	2,30	-1,01	2,70	Homo sapiens snail homolog 3 (Drosophila) (SNAI3), mRNA [NM_178310]
SFMBT2	10	6,07E-03	2,30	-1,03	2,53	Homo sapiens Scm-like with four mbt domains 2 (SFMBT2), transcript

						variant 1, mRNA [NM_001029880]
IL10RB	21	1,84E-05	2,30	1,09	2,65	Homo sapiens interleukin 10 receptor, beta (IL10RB), mRNA [NM_000628]
	1	1,04E-03	2,30	-1,16	1,72	lincRNA:chr1:173382627-173388127 forward strand
QPCT	2	2,57E-03	2,30	1,04	2,67	Homo sapiens glutaminyl-peptide cyclotransferase (QPCT), mRNA [NM_012413]
AKAP2	9	4,58E-03	2,30	1,14	2,21	Homo sapiens A kinase (PRKA) anchor protein 2 (AKAP2), transcript variant 1, mRNA [NM_001004065]
C1RL	12	3,65E-04	2,30	1,27	2,35	Homo sapiens complement component 1, r subcomponent-like (C1RL), mRNA [NM_016546]
PARD3	10	1,56E-04	2,30	-1,01	2,57	Homo sapiens par-3 partitioning defective 3 homolog (C. elegans) (PARD3), transcript variant 9, mRNA [NM_001184792]
ARHGEF5	7	1,13E-06	2,30	1,07	2,44	Homo sapiens Rho guanine nucleotide exchange factor (GEF) 5 (ARHGEF5), mRNA [NM_005435]
DNPEP	2	8,35E-04	2,30	1,13	2,41	Homo sapiens aspartyl aminopeptidase (DNPEP), mRNA [NM_012100]
SPSB1	1	5,70E-04	2,29	1,10	2,34	Homo sapiens splA/ryanodine receptor domain and SOCS box containing 1 (SPSB1), mRNA [NM_025106]
TNFAIP8L2	1	2,08E-02	2,29	1,04	3,72	Homo sapiens tumor necrosis factor, alpha-induced protein 8-like 2 (TNFAIP8L2), mRNA [NM_024575]
P2RX4	12	1,87E-03	2,29	1,05	2,33	Homo sapiens purinergic receptor P2X, ligand-gated ion channel, 4 (P2RX4), mRNA [NM_002560]
CAB39	2	3,06E-04	2,29	1,18	2,32	Homo sapiens calcium binding protein 39 (CAB39), transcript variant 1, mRNA [NM_016289]
PARD3	10	7,57E-05	2,29	-1,16	2,53	par-3 partitioning

						defective 3 homolog (C. elegans) [Source:HGNC Symbol;Acc:16051] [ENST00000374768]
	14	1,85E-02	2,29	-1,00	1,46	immunoglobulin heavy variable 2-5 [Source:HGNC Symbol;Acc:5576] [ENST00000390597]
FMR1-AS1	X	3,73E-04	2,29	-1,10	2,52	Homo sapiens FMR1 antisense RNA 1 (non-protein coding) (FMR1-AS1), transcript variant 1, non-coding RNA [NR_024499]
CXorf38	X	4,47E-04	2,28	1,09	2,40	Homo sapiens chromosome X open reading frame 38 (CXorf38), mRNA [NM_144970]
NAMPT	7	6,83E-07	2,28	1,16	2,30	Homo sapiens nicotinamide phosphoribosyltransferase (NAMPT), mRNA [NM_005746]
CEACAM1	19	1,27E-03	2,28	-1,07	2,70	Homo sapiens carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein) (CEACAM1), transcript variant 5, mRNA [NM_001184816]
PLAU	10	4,91E-04	2,28	1,09	2,33	Homo sapiens plasminogen activator, urokinase (PLAU), transcript variant 1, mRNA [NM_002658]
	16	5,14E-03	2,28	1,27	2,58	ALU1_HUMAN (P39188) Alu subfamily J sequence contamination warning entry, partial (5%) [THC2558186]
DKFZp761E198	11	7,01E-05	2,28	1,07	2,53	Homo sapiens DKFZp761E198 protein (DKFZp761E198), mRNA [NM_138368]
TMTC1	12	3,52E-04	2,28	-1,13	2,37	Homo sapiens transmembrane and tetratricopeptide repeat containing 1 (TMTC1), transcript variant 2, mRNA [NM_175861]
TAPBP	6	2,17E-04	2,27	1,10	2,40	Homo sapiens TAP binding protein (tapasin) (TAPBP), transcript variant 2, mRNA [NM_172208]
EREG	4	3,38E-04	2,27	-1,01	2,44	Homo sapiens epiregulin (EREG), mRNA [NM_001432]

HSPH1	13	2,93E-05	2,27	1,00	2,43	Homo sapiens heat shock 105kDa/110kDa protein 1 (HSPH1), mRNA [NM_006644]
	1	1,54E-02	2,27	1,01	2,17	lincRNA:chr1:205404902-205417676 reverse strand
LTB	6	6,09E-04	2,27	-1,19	2,06	Homo sapiens lymphotoxin beta (TNF superfamily, member 3) (LTB), transcript variant 1, mRNA [NM_002341]
RIPK3	14	2,04E-03	2,27	1,17	2,54	Homo sapiens receptor-interacting serine-threonine kinase 3 (RIPK3), mRNA [NM_006871]
ETS1	11	1,10E-04	2,27	1,07	2,49	Homo sapiens v-ets erythroblastosis virus E26 oncogene homolog 1 (avian) (ETS1), transcript variant 2, mRNA [NM_005238]
PPPDE2	22	1,58E-04	2,27	1,09	2,27	Homo sapiens PPPDE peptidase domain containing 2 (PPPDE2), mRNA [NM_015704]
FAR2	12	7,27E-05	2,27	1,06	2,09	Homo sapiens fatty acyl CoA reductase 2 (FAR2), mRNA [NM_018099]
RIMS2	8	1,31E-03	2,27	-1,16	2,35	Homo sapiens regulating synaptic membrane exocytosis 2 (RIMS2), transcript variant 2, mRNA [NM_014677]
HDAC4	2	6,54E-04	2,27	1,17	2,19	Homo sapiens histone deacetylase 4 (HDAC4), mRNA [NM_006037]
NFKBIZ	3	1,94E-02	2,26	1,23	2,21	Homo sapiens nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta (NFKBIZ), transcript variant 1, mRNA [NM_031419]
SAMD4A	14	4,49E-04	2,26	1,08	2,35	Homo sapiens sterile alpha motif domain containing 4A (SAMD4A), transcript variant 1, mRNA [NM_015589]
RUNX3	1	2,16E-03	2,26	1,11	2,06	Homo sapiens runt-related transcription factor 3 (RUNX3), transcript variant 1, mRNA [NM_001031680]
PAPLN	14	5,28E-04	2,26	1,05	2,18	Homo sapiens papilin, proteoglycan-

						like sulfated glycoprotein (PAPLN), mRNA [NM_173462]
CCDC134	22	1,64E-03	2,26	1,05	2,59	Homo sapiens coiled-coil domain containing 134 (CCDC134), mRNA [NM_024821]
SH2B3	12	2,79E-05	2,26	1,18	2,19	Homo sapiens SH2B adaptor protein 3 (SH2B3), mRNA [NM_005475]
HSPH1	13	6,39E-07	2,26	1,01	2,31	Homo sapiens heat shock 105kDa/110kDa protein 1 (HSPH1), mRNA [NM_006644]
GNB4	3	3,75E-03	2,25	1,14	1,90	Homo sapiens guanine nucleotide binding protein (G protein), beta polypeptide 4 (GNB4), mRNA [NM_021629]
SNX10	7	1,70E-04	2,25	-1,57	2,39	Homo sapiens sorting nexin 10 (SNX10), transcript variant 1, mRNA [NM_001199835]
MAP3K13	3	1,47E-02	2,25	1,11	2,32	Homo sapiens mitogen-activated protein kinase kinase kinase 13 (MAP3K13), transcript variant 1, mRNA [NM_004721]
CCDC125	5	2,90E-04	2,25	-1,07	2,34	Homo sapiens coiled-coil domain containing 125 (CCDC125), mRNA [NM_176816]
CXCL16	17	9,55E-04	2,25	-1,05	2,21	Homo sapiens chemokine (C-X-C motif) ligand 16 (CXCL16), transcript variant 1, mRNA [NM_022059]
TAPBP	6	4,69E-04	2,25	1,01	2,32	Homo sapiens TAP binding protein (tapasin) (TAPBP), transcript variant 2, mRNA [NM_172208]
HEXDC	17	1,27E-05	2,25	-1,01	2,13	Homo sapiens hexosaminidase (glycosyl hydrolase family 20, catalytic domain) containing (HEXDC), mRNA [NM_173620]
SLC2A9	4	3,59E-04	2,25	1,18	2,29	Homo sapiens solute carrier family 2 (facilitated glucose transporter), member 9 (SLC2A9), transcript variant 2, mRNA [NM_001001290]
ERI1	8	2,12E-05	2,25	1,12	2,36	Homo sapiens

						exoribonuclease 1 (ERI1), mRNA [NM_153332]
SAA4	11	1,27E-03	2,25	1,00	2,35	Homo sapiens serum amyloid A4, constitutive (SAA4), mRNA [NM_006512]
DENND5A	11	4,17E-04	2,24	1,16	2,26	Homo sapiens DENN/MADD domain containing 5A (DENND5A), mRNA [NM_015213]
	1	3,71E-04	2,24	1,09	2,18	lincRNA:chr1:94218481-94240930 reverse strand
CCDC125	5	1,46E-05	2,24	-1,07	2,38	Homo sapiens coiled-coil domain containing 125 (CCDC125), mRNA [NM_176816]
PSMA4	15	1,49E-05	2,24	-1,04	2,28	Homo sapiens proteasome (prosome, macropain) subunit, alpha type, 4 (PSMA4), transcript variant 1, mRNA [NM_002789]
PDLIM4	5	4,34E-06	2,24	1,07	2,20	Homo sapiens PDZ and LIM domain 4 (PDLIM4), transcript variant 1, mRNA [NM_003687]
PDZD2	5	1,82E-03	2,24	1,09	2,32	PDZ domain containing 2 [Source:HGNC Symbol;Acc:18486] [ENST00000397559]
	22	1,01E-02	2,24	-1,81	-1,22	immunoglobulin lambda variable 3-22 (gene/pseudogene) [Source:HGNC Symbol;Acc:5906] [ENST00000390307]
LMOD1	1	6,27E-04	2,24	1,54	2,17	Homo sapiens leiomodin 1 (smooth muscle) (LMOD1), mRNA [NM_012134]
	1	7,12E-03	2,24	1,22	2,05	Homo sapiens PP632 unknown mRNA. [AY240960]
IL2RG	X	5,76E-03	2,24	-1,10	2,18	Homo sapiens interleukin 2 receptor, gamma (IL2RG), mRNA [NM_000206]
CRISPLD1	8	7,20E-03	2,24	-1,23	2,49	Homo sapiens cysteine-rich secretory protein LCCL domain containing 1 (CRISPLD1), mRNA [NM_031461]
ATP6V1B2	8	8,43E-04	2,24	1,09	2,34	Homo sapiens ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B2 (ATP6V1B2), mRNA

						[NM_001693]
C3orf79	3	2,34E-02	2,23	-1,27	2,07	Homo sapiens chromosome 3 open reading frame 79 (C3orf79), mRNA [NM_001101337]
DDX23	12	7,65E-06	2,23	1,13	2,43	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 23 (DDX23), mRNA [NM_004818]
CLDN14	21	4,16E-02	2,23	-1,14	1,77	Homo sapiens claudin 14 (CLDN14), transcript variant 1, mRNA [NM_144492]
RTTN	18	1,04E-03	2,23	-1,06	2,05	Homo sapiens rotatin (RTTN), mRNA [NM_173630]
COL23A1	5	4,86E-04	2,23	-1,21	2,29	collagen, type XXIII, alpha 1 [Source:HGNC Symbol;Acc:22990] [ENST00000407622]
SDCBP2	20	3,08E-03	2,22	1,02	2,91	Homo sapiens syndecan binding protein (syntenin) 2 (SDCBP2), transcript variant 1, mRNA [NM_080489]
FMNL2	2	3,53E-05	2,22	1,10	2,27	formin-like 2 [Source:HGNC Symbol;Acc:18267] [ENST00000421344]
SNX10	7	1,98E-04	2,22	-1,03	2,15	Homo sapiens sorting nexin 10 (SNX10), transcript variant 2, mRNA [NM_013322]
EIF4E3	3	8,33E-03	2,22	1,02	2,85	Homo sapiens eukaryotic translation initiation factor 4E family member 3 (EIF4E3), transcript variant 2, mRNA [NM_173359]
ALOX12P2	17	1,25E-04	2,22	1,07	2,50	Homo sapiens arachidonate 12-lipoxygenase pseudogene 2 (ALOX12P2), non-coding RNA [NR_002710]
IL31RA	5	5,97E-03	2,22	-1,56	2,43	Homo sapiens interleukin 31 receptor A (IL31RA), transcript variant 4, mRNA [NM_001242638]
EPB41	1	1,69E-03	2,22	1,10	2,03	Homo sapiens erythrocyte membrane protein band 4.1 (elliptocytosis 1, RH-linked) (EPB41), transcript variant 4, mRNA [NM_203342]

MPZL2	11	2,67E-04	2,22	1,28	2,16	Homo sapiens myelin protein zero-like 2 (MPZL2), transcript variant 1, mRNA [NM_005797]
ADCK4	19	2,26E-05	2,21	-1,02	2,26	Homo sapiens aarF domain containing kinase 4 (ADCK4), transcript variant 1, mRNA [NM_024876]
APOL4	22	4,33E-04	2,21	-1,00	2,23	apolipoprotein L, 4 [Source:HGNC Symbol;Acc:14867] [ENST00000328429]
FOXN2	2	7,31E-05	2,21	1,08	2,07	Homo sapiens forkhead box N2 (FOXN2), mRNA [NM_002158]
PLEKHG7	12	1,02E-02	2,21	-1,29	2,01	Homo sapiens pleckstrin homology domain containing, family G (with RhoGef domain) member 7 (PLEKHG7), mRNA [NM_001004330]
SFT2D2	1	4,78E-06	2,21	1,02	2,53	Homo sapiens SFT2 domain containing 2 (SFT2D2), mRNA [NM_199344]
	11	6,61E-04	2,21	1,04	2,50	lincRNA:chr11:134306628-134375018 forward strand
TRIM14	9	2,74E-05	2,21	1,07	2,41	Homo sapiens tripartite motif containing 14 (TRIM14), transcript variant 2, mRNA [NM_033219]
RIPK1	6	1,31E-04	2,21	1,02	2,13	Homo sapiens receptor (TNFRSF)-interacting serine-threonine kinase 1 (RIPK1), mRNA [NM_003804]
TMEM63A	1	3,78E-04	2,21	1,17	2,36	Homo sapiens transmembrane protein 63A (TMEM63A), mRNA [NM_014698]
	21	3,03E-02	2,21	2,16	1,04	PREDICTED: Homo sapiens FLJ45139 protein (FLJ45139), miscRNA [XR_109674]
IL22RA1	1	3,61E-05	2,21	-1,14	2,46	Homo sapiens interleukin 22 receptor, alpha 1 (IL22RA1), mRNA [NM_021258]
PRELID1	5	7,98E-04	2,21	1,07	2,34	Homo sapiens PRELI domain containing 1 (PRELID1), mRNA [NM_013237]

B4GALT5	20	4,34E-06	2,21	1,02	2,50	Homo sapiens UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 5 (B4GALT5), mRNA [NM_004776]
TBC1D1	4	1,21E-02	2,20	-1,50	2,02	Homo sapiens TBC1 (tre-2/USP6, BUB2, cdc16) domain family, member 1, mRNA (cDNA clone IMAGE:5211948), with apparent retained intron. [BC028196]
MTMR11	1	1,67E-04	2,20	1,11	2,24	Homo sapiens myotubularin related protein 11 (MTMR11), transcript variant 2, mRNA [NM_181873]
MTHFD2	2	1,75E-03	2,20	-1,07	2,15	Homo sapiens methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase (MTHFD2), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_006636]
EMP2	16	2,58E-03	2,20	-1,04	2,76	Homo sapiens epithelial membrane protein 2 (EMP2), mRNA [NM_001424]
CDKN1A	6	4,27E-03	2,20	-1,02	2,51	Homo sapiens cyclin-dependent kinase inhibitor 1A (p21, Cip1) (CDKN1A), transcript variant 2, mRNA [NM_078467]
KIRREL3	11	1,01E-03	2,20	-1,26	2,12	Homo sapiens kin of IRRE like 3 (Drosophila) (KIRREL3), transcript variant 1, mRNA [NM_032531]
SNX16	8	5,46E-04	2,20	1,05	2,33	Homo sapiens sorting nexin 16 (SNX16), transcript variant 1, mRNA [NM_022133]
SLC30A7	1	1,58E-03	2,19	1,18	2,10	Homo sapiens solute carrier family 30 (zinc transporter), member 7 (SLC30A7), transcript variant 1, mRNA [NM_133496]
MAPK8IP2	22	4,15E-03	2,19	1,20	2,58	Homo sapiens mitogen-activated protein kinase 8 interacting protein 2 (MAPK8IP2), transcript variant 1, mRNA [NM_012324]

THSD4	15	9,50E-06	2,19	1,10	1,91	Homo sapiens thrombospondin, type I, domain containing 4 (THSD4), mRNA [NM_024817]
ASAP1	8	1,14E-02	2,19	1,06	2,23	Homo sapiens ArfGAP with SH3 domain, ankyrin repeat and PH domain 1 (ASAP1), mRNA [NM_018482]
GK	X	1,62E-03	2,18	1,15	2,34	Homo sapiens glycerol kinase (GK), transcript variant 4, mRNA [NM_001205019]
CHI3L2	1	5,80E-04	2,18	-1,05	2,16	Homo sapiens chitinase 3-like 2 (CHI3L2), transcript variant 3, mRNA [NM_001025199]
OPTN	10	1,71E-06	2,18	-1,00	2,12	Homo sapiens optineurin (OPTN), transcript variant 1, mRNA [NM_001008211]
MYO1B	2	7,68E-05	2,18	1,08	1,88	Homo sapiens myosin IB (MYO1B), transcript variant 2, mRNA [NM_012223]
TMC5	16	3,57E-02	2,18	2,03	1,70	Homo sapiens transmembrane channel-like 5 (TMC5), transcript variant 3, mRNA [NM_024780]
PHLDA2	11	5,64E-05	2,18	-1,08	2,27	Homo sapiens pleckstrin homology-like domain, family A, member 2 (PHLDA2), mRNA [NM_003311]
ADAMTSL3	15	1,33E-02	2,18	-1,17	2,79	Homo sapiens ADAMTS-like 3 (ADAMTSL3), mRNA [NM_207517]
HELB	12	1,84E-03	2,18	-1,00	2,26	Homo sapiens helicase (DNA) B (HELB), mRNA [NM_033647]
PAPD5	16	2,91E-02	2,18	-1,25	2,68	Homo sapiens PAP associated domain containing 5 (PAPD5), transcript variant 1, mRNA [NM_001040284]
NCEH1	3	5,41E-03	2,18	1,07	1,92	Homo sapiens neutral cholesterol ester hydrolase 1 (NCEH1), transcript variant 2, mRNA [NM_020792]
CPEB3	10	4,15E-03	2,17	-1,07	2,49	Homo sapiens cytoplasmic polyadenylation element binding protein 3 (CPEB3), transcript variant 1,

						mRNA [NM_014912]
BPGM	7	2,30E-04	2,17	-1,01	2,30	Homo sapiens 2,3-bisphosphoglycerate mutase (BPGM), transcript variant 2, mRNA [NM_199186]
NPC1	18	1,62E-04	2,17	1,20	2,26	Homo sapiens Niemann-Pick disease, type C1 (NPC1), mRNA [NM_000271]
TPK1	7	2,89E-03	2,17	1,30	2,12	Homo sapiens thiamin pyrophosphokinase 1 (TPK1), transcript variant 1, mRNA [NM_022445]
FCGR2A	1	3,40E-04	2,17	-1,15	2,70	Homo sapiens Fc fragment of IgG, low affinity IIa, receptor (CD32) (FCGR2A), transcript variant 2, mRNA [NM_021642]
TNIP2	4	1,16E-02	2,17	1,22	2,17	Homo sapiens TNFAIP3 interacting protein 2 (TNIP2), transcript variant 1, mRNA [NM_024309]
	3	4,97E-02	2,16	1,73	1,79	lincRNA:chr3:156431640-156451406 forward strand
	17	1,01E-02	2,16	-1,05	1,80	lincRNA:chr17:78302244-78306145 reverse strand
PSMA5	1	5,86E-05	2,16	1,13	2,16	Homo sapiens proteasome (prosome, macropain) subunit, alpha type, 5 (PSMA5), transcript variant 1, mRNA [NM_002790]
RIPK3	14	1,03E-02	2,16	1,21	2,23	Homo sapiens receptor-interacting serine-threonine kinase 3 (RIPK3), mRNA [NM_006871]
CTNNBL1	20	2,53E-05	2,16	1,04	2,31	Homo sapiens catenin, beta like 1 (CTNNBL1), mRNA [NM_030877]
C5orf15	5	2,06E-03	2,16	1,16	2,10	Homo sapiens chromosome 5 open reading frame 15 (C5orf15), mRNA [NM_020199]
SLC2A6	9	2,33E-03	2,16	1,08	2,05	Homo sapiens solute carrier family 2 (facilitated glucose transporter), member 6 (SLC2A6), transcript variant 1, mRNA [NM_017585]
C14orf149	14	2,83E-03	2,16	-1,02	2,14	Homo sapiens chromosome 14 open reading frame 149 (C14orf149), mRNA [NM_144581]
OSMR	5	6,19E-04	2,16	1,34	2,10	Homo sapiens

						oncostatin M receptor (OSMR), transcript variant 1, mRNA [NM_003999]
C10orf47	10	1,05E-03	2,15	1,11	2,26	Homo sapiens chromosome 10 open reading frame 47 (C10orf47), mRNA [NM_153256]
RELL1	4	5,93E-04	2,15	-1,03	2,11	Homo sapiens RELT-like 1 (RELL1), transcript variant 1, mRNA [NM_001085400]
TRPV2	17	2,72E-03	2,15	-1,02	2,03	Homo sapiens transient receptor potential cation channel, subfamily V, member 2 (TRPV2), mRNA [NM_016113]
NUAK2	1	1,67E-03	2,15	-1,25	2,25	Homo sapiens NUAK family, SNF1-like kinase, 2 (NUAK2), mRNA [NM_030952]
EBI3	19	2,87E-02	2,15	-1,07	2,05	Homo sapiens Epstein-Barr virus induced 3 (EBI3), mRNA [NM_005755]
CCNL1	3	7,73E-04	2,15	1,02	2,46	Homo sapiens cyclin L1 (CCNL1), mRNA [NM_020307]
XLOC_003204	3	3,50E-02	2,14	-1,51	1,84	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
PRDM8	4	5,41E-04	2,14	1,18	1,71	Homo sapiens PR domain containing 8 (PRDM8), transcript variant 1, mRNA [NM_020226]
	22	2,66E-02	2,14	1,15	2,15	
PRRG1	X	7,11E-04	2,14	1,10	2,32	Homo sapiens proline rich Gla (G-carboxyglutamic acid) 1 (PRRG1), transcript variant 1, mRNA [NM_000950]
	3	8,33E-04	2,14	-1,02	2,21	lincRNA:chr3:17904246-18167346 forward strand
SH3D21	1	1,41E-03	2,14	1,04	2,11	SH3 domain containing 21 [Source:HGNC Symbol;Acc:26236] [ENST00000480549]
	4	2,73E-02	2,14	1,02	1,70	lincRNA:chr4:84135426-84176451 reverse strand
HDAC9	7	4,15E-02	2,14	1,19	2,26	Homo sapiens histone deacetylase 9 (HDAC9), transcript variant 1, mRNA [NM_058176]
GPD2	2	4,00E-05	2,14	-1,03	2,32	Homo sapiens glycerol-3-phosphate dehydrogenase 2 (mitochondrial) (GPD2), nuclear

						gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_001083112]
DENND1A	9	1,36E-04	2,14	1,09	2,19	Homo sapiens DENN/MADD domain containing 1A (DENND1A), transcript variant 2, mRNA [NM_024820]
		3,71E-03	2,14	1,22	2,44	lincRNA:chr12:123614572-123628947 reverse strand
PAOX	10	1,35E-02	2,14	1,08	2,41	Homo sapiens polyamine oxidase (exo-N4-amino) (PAOX), transcript variant 5, mRNA [NM_207128]
PLEKHG2	19	4,81E-02	2,14	1,51	2,62	Homo sapiens pleckstrin homology domain containing, family G (with RhoGef domain) member 2 (PLEKHG2), mRNA [NM_022835]
SYNPO	5	4,48E-05	2,13	1,01	1,97	synaptopodin [Source:HGNC Symbol;Acc:30672] [ENST00000394243]
FCGR3A	1	3,99E-02	2,13	-1,26	2,66	Homo sapiens Fc fragment of IgG, low affinity IIIa, receptor (CD16a) (FCGR3A), transcript variant 1, mRNA [NM_000569]
OR2A9P	7	1,13E-03	2,13	1,02	2,16	Homo sapiens olfactory receptor, family 2, subfamily A, member 9 pseudogene (OR2A9P), non-coding RNA [NR_002157]
C18orf25	18	2,65E-04	2,13	1,03	2,30	Homo sapiens chromosome 18 open reading frame 25 (C18orf25), transcript variant 1, mRNA [NM_145055]
LOC100131043	6	1,68E-02	2,13	-1,30	1,98	Homo sapiens cDNA FLJ42228 fis, clone THYMU2041252. [AK124222]
	22	8,84E-04	2,13	-1,02	-1,27	immunoglobulin lambda variable 9-49 [Source:HGNC Symbol;Acc:5933] [ENST00000427632]
LOC286299	9	3,06E-02	2,13	1,24	2,25	Homo sapiens mRNA; cDNA DKFZp686G1495 (from clone DKFZp686G1495). [BX648501]
XLOC_003204	3	5,35E-03	2,13	1,03	2,34	BROAD lincRNAs version v2

						(http://www.broadinstitute.org/genome_bio/human_lincrnas/)
LIMD1	3	3,63E-06	2,13	-1,00	2,36	Homo sapiens LIM domains containing 1 (LIMD1), mRNA [NM_014240]
SNTB2	16	7,02E-04	2,13	1,05	2,35	Homo sapiens syntrophin, beta 2 (dystrophin-associated protein A1, 59kDa, basic component 2) (SNTB2), mRNA [NM_006750]
KDM4C	9	3,46E-02	2,13	1,43	1,74	Homo sapiens cDNA clone IMAGE:6165770, partial cds. [BC053678]
FMNL2	2	6,34E-05	2,12	1,20	2,22	Homo sapiens formin-like 2 (FMNL2), mRNA [NM_052905]
C19orf28	19	4,88E-03	2,12	1,08	2,23	Homo sapiens chromosome 19 open reading frame 28 (C19orf28), transcript variant 2, mRNA [NM_001042680]
CHRD	3	1,95E-02	2,12	-1,10	3,11	Homo sapiens chordin (CHRD), mRNA [NM_003741]
TICAM1	19	8,12E-05	2,12	1,01	2,10	Homo sapiens toll-like receptor adaptor molecule 1 (TICAM1), mRNA [NM_182919]
SYTL3	6	7,41E-04	2,12	1,10	2,70	Homo sapiens synaptotagmin-like 3 (SYTL3), transcript variant 3, mRNA [NM_001009991]
CTNNBL1	20	2,21E-04	2,11	1,04	2,28	Homo sapiens catenin, beta like 1 (CTNNBL1), mRNA [NM_030877]
	4	1,68E-04	2,11	1,11	2,06	lincRNA:chr4:15683284-15688819 forward strand
	17	9,91E-03	2,11	-1,04	2,09	lincRNA:chr17:78306364-78308071 reverse strand
ME2	18	1,10E-04	2,11	1,16	2,19	Homo sapiens malic enzyme 2, NAD(+)-dependent, mitochondrial (ME2), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_002396]
FTSJD2	6	2,85E-05	2,11	1,21	2,28	Homo sapiens FtsJ methyltransferase domain containing 2 (FTSJD2), mRNA [NM_015050]

CD83	6	4,26E-03	2,11	-1,16	2,64	Homo sapiens CD83 molecule (CD83), transcript variant 1, mRNA [NM_004233]
FAS	10	7,77E-03	2,11	1,10	2,20	Homo sapiens Fas (TNF receptor superfamily, member 6) (FAS), transcript variant 1, mRNA [NM_000043]
BCAP29	7	8,11E-05	2,11	1,09	2,04	Homo sapiens B-cell receptor-associated protein 29 (BCAP29), transcript variant 2, mRNA [NM_018844]
C14orf34	14	8,10E-04	2,11	-1,07	2,28	Homo sapiens chromosome 14 open reading frame 34 (C14orf34), transcript variant 1, non-coding RNA [NR_026796]
EHD4	15	8,26E-04	2,11	1,11	1,96	Homo sapiens EH-domain containing 4 (EHD4), mRNA [NM_139265]
PCDH7	4	2,48E-03	2,11	1,28	2,26	Homo sapiens protocadherin 7 (PCDH7), transcript variant a, mRNA [NM_002589]
CNDP2	18	2,95E-05	2,10	1,16	2,33	Homo sapiens CNDP dipeptidase 2 (metallopeptidase M20 family) (CNDP2), transcript variant 1, mRNA [NM_018235]
ZAR1L	13	9,53E-03	2,10	-1,37	1,83	Homo sapiens zygote arrest 1-like (ZAR1L), mRNA [NM_001136571]
TJP2	9	1,44E-02	2,10	1,15	2,36	Homo sapiens tight junction protein 2 (zona occludens 2) (TJP2), transcript variant 1, mRNA [NM_004817]
TLCD2	17	3,00E-03	2,10	1,16	2,42	Homo sapiens TLC domain containing 2 (TLCD2), mRNA [NM_001164407]
NRIP3	11	1,23E-02	2,10	-1,12	1,89	Homo sapiens nuclear receptor interacting protein 3 (NRIP3), mRNA [NM_020645]
TMEM204	16	2,00E-02	2,10	1,21	1,89	Homo sapiens transmembrane protein 204 (TMEM204), mRNA [NM_024600]
LRRC10	12	1,13E-04	2,10	-1,06	2,40	Homo sapiens leucine rich repeat containing 10 (LRRC10), mRNA [NM_201550]
IFNAR2	21	8,73E-04	2,10	-1,00	2,02	Homo sapiens interferon (alpha,

						beta and omega) receptor 2 (IFNAR2), transcript variant 2, mRNA [NM_000874]
ADRBK2	22	5,56E-05	2,09	-1,02	1,97	Homo sapiens adrenergic, beta, receptor kinase 2 (ADRBK2), mRNA [NM_005160]
DERL3	22	2,86E-02	2,09	-2,04	-1,25	Homo sapiens Der1-like domain family, member 3 (DERL3), transcript variant 3, mRNA [NM_198440]
PLEKHA4	19	3,58E-03	2,09	1,17	1,94	Homo sapiens pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 4 (PLEKHA4), transcript variant 1, mRNA [NM_020904]
TAPBP	6	4,17E-05	2,09	1,05	2,02	Homo sapiens TAP binding protein (tapasin) (TAPBP), transcript variant 1, mRNA [NM_003190]
PLAC9	10	2,33E-03	2,09	1,17	1,77	placenta-specific 9 [Source:HGNC Symbol;Acc:19255] [ENST00000372270]
C5orf15	5	3,25E-04	2,09	1,10	2,01	Homo sapiens chromosome 5 open reading frame 15 (C5orf15), mRNA [NM_020199]
FMNL1	17	1,29E-02	2,09	1,09	2,00	Homo sapiens formin-like 1 (FMNL1), mRNA [NM_005892]
	1	4,79E-03	2,09	1,08	1,64	lincRNA:chr1:207971227-208042127 reverse strand
TM4SF19	3	9,86E-04	2,09	-1,02	2,27	Homo sapiens transmembrane 4 L six family member 19 (TM4SF19), transcript variant 1, mRNA [NM_138461]
LSM12	17	7,36E-04	2,09	1,02	1,98	Homo sapiens LSM12 homolog (S. cerevisiae) (LSM12), mRNA [NM_152344]
SNX6	14	9,45E-05	2,08	1,06	2,12	Homo sapiens sorting nexin 6 (SNX6), transcript variant 1, mRNA [NM_021249]
RELA	11	3,25E-04	2,08	1,08	2,32	Homo sapiens v-rel reticuloendotheliosis viral oncogene homolog A (avian) (RELA), transcript variant 1, mRNA [NM_021975]
SPSB1	1	8,42E-04	2,08	1,03	2,33	Homo sapiens splA/ryanodine

						receptor domain and SOCS box containing 1 (SPSB1), mRNA [NM_025106]
IL3RA	X	2,23E-03	2,08	-1,32	1,96	Homo sapiens interleukin 3 receptor, alpha (low affinity) (IL3RA), mRNA [NM_002183]
TNFRSF10A	8	3,08E-04	2,08	1,13	2,08	Homo sapiens tumor necrosis factor receptor superfamily, member 10a (TNFRSF10A), mRNA [NM_003844]
SMAD7	18	1,79E-05	2,08	1,11	2,30	Homo sapiens SMAD family member 7 (SMAD7), transcript variant 1, mRNA [NM_005904]
ATF3	1	4,17E-03	2,08	-1,24	2,04	Homo sapiens activating transcription factor 3 (ATF3), transcript variant 1, mRNA [NM_001674]
ARNTL2	12	7,36E-04	2,08	1,03	1,94	Homo sapiens aryl hydrocarbon receptor nuclear translocator-like 2 (ARNTL2), mRNA [NM_020183]
NRP2	2	2,50E-06	2,08	1,16	2,03	Homo sapiens neuropilin 2 (NRP2), transcript variant 6, mRNA [NM_201264]
PXDNL	8	4,25E-03	2,08	1,10	2,69	Homo sapiens peroxidasin homolog (Drosophila)-like (PXDNL), mRNA [NM_144651]
NCRNA00189	21	4,45E-02	2,07	1,35	1,25	Homo sapiens non-protein coding RNA 189 (NCRNA00189), non-coding RNA [NR_027072]
SP6	17	5,12E-04	2,07	-1,19	2,38	Homo sapiens Sp6 transcription factor (SP6), mRNA [NM_199262]
WTAP	6	2,71E-04	2,07	1,16	1,92	Homo sapiens Wilms tumor 1 associated protein (WTAP), transcript variant 3, mRNA [NM_152858]
SERPINB8	18	4,82E-04	2,07	-1,00	2,13	Homo sapiens serpin peptidase inhibitor, clade B (ovalbumin), member 8 (SERPINB8), transcript variant 3, mRNA [NM_001031848]
FAS	10	6,34E-03	2,07	1,10	2,16	Homo sapiens Fas (TNF receptor superfamily, member 6) (FAS), transcript variant 1, mRNA [NM_000043]

RAB3IL1	11	2,32E-02	2,07	-1,32	2,28	Homo sapiens RAB3A interacting protein (rabin3)-like 1 (RAB3IL1), mRNA [NM_013401]
TINF2	14	4,56E-03	2,07	1,28	2,08	Homo sapiens TERF1 (TRF1)-interacting nuclear factor 2 (TINF2), transcript variant 2, mRNA [NM_012461]
SIDT1	3	9,36E-04	2,07	1,20	2,39	Homo sapiens SID1 transmembrane family, member 1 (SIDT1), mRNA [NM_017699]
RALGPS2	1	4,61E-04	2,07	-1,16	2,72	Homo sapiens Ral GEF with PH domain and SH3 binding motif 2 (RALGPS2), mRNA [NM_152663]
REC8	14	5,51E-03	2,06	1,24	2,05	Homo sapiens REC8 homolog (yeast) (REC8), transcript variant 2, mRNA [NM_001048205]
C1RL	12	2,38E-02	2,06	1,14	1,76	Homo sapiens complement component 1, r subcomponent-like (C1RL), mRNA [NM_016546]
GAS8	16	6,57E-06	2,06	1,06	2,16	Homo sapiens growth arrest-specific 8 (GAS8), transcript variant 1, mRNA [NM_001481]
	1	3,68E-03	2,06	1,00	1,90	chromosome 1 open reading frame 132 [Source:HGNC Symbol;Acc:32018] [ENST00000415882]
SLC5A10	17	1,95E-02	2,06	-1,12	2,25	Homo sapiens solute carrier family 5 (sodium/glucose cotransporter), member 10 (SLC5A10), transcript variant 1, mRNA [NM_152351]
TRPC3	4	4,37E-02	2,06	-1,39	1,71	Homo sapiens transient receptor potential cation channel, subfamily C, member 3 (TRPC3), transcript variant 2, mRNA [NM_003305]
TSKU	11	2,31E-05	2,06	1,15	2,12	Homo sapiens tsukushi small leucine rich proteoglycan homolog (Xenopus laevis) (TSKU), mRNA [NM_015516]
RP2	X	2,62E-04	2,06	1,10	2,02	Homo sapiens retinitis pigmentosa 2 (X-linked recessive) (RP2), mRNA

						[NM_006915]
CFI	4	2,56E-02	2,06	1,14	2,19	Homo sapiens complement factor I (CFI), mRNA [NM_000204]
LRTOMT	11	3,59E-03	2,06	1,10	2,12	Homo sapiens leucine rich transmembrane and 0-methyltransferase domain containing (LRTOMT), transcript variant 4, mRNA [NM_001145308]
COG5	7	2,44E-03	2,06	1,12	2,14	Homo sapiens component of oligomeric golgi complex 5 (COG5), transcript variant 1, mRNA [NM_006348]
C8orf60	8	3,61E-03	2,06	1,01	2,04	Homo sapiens cDNA FLJ12193 fis, clone MAMMA1000856. [AK022255]
ANKRD23	2	3,18E-02	2,05	1,05	1,23	Homo sapiens ankyrin repeat domain 23 (ANKRD23), mRNA [NM_144994]
ANKRD22	10	7,12E-05	2,05	-1,32	2,52	Homo sapiens ankyrin repeat domain 22 (ANKRD22), mRNA [NM_144590]
DNPEP	2	4,51E-06	2,05	1,09	2,17	Homo sapiens aspartyl aminopeptidase (DNPEP), mRNA [NM_012100]
	2	1,37E-03	2,05	-1,02	1,84	lincRNA:chr2:239795418-239795891 forward strand
	1	4,87E-02	2,05	-1,03	1,77	lincRNA:chr1:116633727-116647123 forward strand
TLR4	9	8,09E-03	2,05	-1,18	2,52	Homo sapiens toll-like receptor 4 (TLR4), transcript variant 1, mRNA [NM_138554]
BCAR1	16	9,20E-06	2,05	-1,03	2,00	Homo sapiens breast cancer anti-estrogen resistance 1 (BCAR1), transcript variant 1, mRNA [NM_001170714]
ITPR1	3	1,65E-02	2,04	1,07	2,22	Homo sapiens inositol 1,4,5-trisphosphate receptor, type 1 (ITPR1), transcript variant 2, mRNA [NM_002222]
SCO2	22	4,69E-04	2,04	1,12	2,22	Homo sapiens SCO cytochrome oxidase deficient homolog 2 (yeast) (SCO2), nuclear gene encoding mitochondrial

						protein, transcript variant 1, mRNA [NM_005138]
TNFSF13	17	5,38E-04	2,04	1,13	2,28	Homo sapiens tumor necrosis factor (ligand) superfamily, member 13 (TNFSF13), transcript variant gamma, mRNA [NM_172088]
GJD3	17	3,37E-05	2,04	1,04	2,21	Homo sapiens gap junction protein, delta 3, 31.9kDa (GJD3), mRNA [NM_152219]
TGM1	14	4,72E-02	2,04	1,45	2,01	Homo sapiens transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransferase) (TGM1), mRNA [NM_000359]
	11	2,48E-02	2,04	1,17	2,08	Homo sapiens cDNA FLJ46155 fis, clone TESTI4001517. [AK128036]
RUNX3	1	4,36E-03	2,04	1,02	1,75	Homo sapiens runt-related transcription factor 3 (RUNX3), transcript variant 1, mRNA [NM_001031680]
	3	1,29E-03	2,04	-1,04	2,00	lincRNA:chr3:88150460-88175935 forward strand
USP15	12	1,92E-04	2,04	1,15	2,04	Homo sapiens ubiquitin specific peptidase 15 (USP15), mRNA [NM_006313]
GPR119	X	2,76E-04	2,04	-1,05	2,21	Homo sapiens G protein-coupled receptor 119 (GPR119), mRNA [NM_178471]
SLC44A3	1	7,96E-04	2,04	1,23	2,00	Homo sapiens solute carrier family 44, member 3 (SLC44A3), transcript variant 2, mRNA [NM_152369]
HERC3	4	6,47E-04	2,03	1,24	2,20	Homo sapiens hect domain and RLD 3 (HERC3), mRNA [NM_014606]
	2	3,26E-02	2,03	1,41	2,07	BX104084 Soares_testis_NHT Homo sapiens cDNA clone IMAGp998N184411, mRNA sequence [BX104084]
	22	2,57E-04	2,03	1,08	2,38	immunoglobulin lambda constant 2 (Kern-Oz- marker) [Source:HGNC Symbol;Acc:5856]

						[ENST00000390323]
HK1	10	9,91E-07	2,03	1,13	2,23	Homo sapiens hexokinase 1 (HK1), nuclear gene encoding mitochondrial protein, transcript variant 5, mRNA [NM_033500]
		4,76E-02	2,03	-1,15	1,20	lincRNA:chr1:101507712-101513862 reverse strand
	8	3,73E-05	2,03	-1,14	2,45	lincRNA:chr8:90624146-90635613 reverse strand
DUSP5	10	3,50E-03	2,03	1,07	2,22	Homo sapiens dual specificity phosphatase 5 (DUSP5), mRNA [NM_004419]
	3	5,10E-04	2,03	-1,04	1,90	cDNA FLJ26718 fis, clone PNC03325 [Source:UniProtKB/TrEMBL;Acc:Q6ZP17] [ENST00000398957]
TJP2	9	1,11E-02	2,03	1,14	2,23	Homo sapiens tight junction protein 2 (zona occludens 2) (TJP2), transcript variant 2, mRNA [NM_201629]
SHISA5	3	3,18E-04	2,03	1,14	2,03	Homo sapiens shisa homolog 5 (Xenopus laevis) (SHISA5), mRNA [NM_016479]
EFNA1	1	3,59E-02	2,02	1,25	1,98	Homo sapiens ephrin-A1 (EFNA1), transcript variant 1, mRNA [NM_004428]
FOLR2	11	2,30E-04	2,02	-1,15	2,03	Homo sapiens folate receptor 2 (fetal) (FOLR2), transcript variant 1, mRNA [NM_000803]
IL18R1	2	6,50E-03	2,02	-1,30	1,90	Homo sapiens interleukin 18 receptor 1 (IL18R1), mRNA [NM_003855]
DNAJB6	7	6,88E-04	2,02	1,16	2,07	Homo sapiens DnaJ (Hsp40) homolog, subfamily B, member 6 (DNAJB6), transcript variant 2, mRNA [NM_005494]
SLC24A3	20	4,16E-03	2,02	1,14	2,35	Homo sapiens solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 (SLC24A3), mRNA [NM_020689]
	1	1,57E-03	2,02	1,01	1,90	lincRNA:chr1:204566252-204573127 forward strand
TSTA3	8	1,40E-04	2,02	1,26	2,15	Homo sapiens tissue specific transplantation

						antigen P35B (TSTA3), mRNA [NM_003313]
CCDC88C	14	3,58E-03	2,02	1,07	1,81	Homo sapiens coiled-coil domain containing 88C (CCDC88C), mRNA [NM_001080414]
SFTA2	6	1,61E-02	2,02	1,02	2,05	Homo sapiens surfactant associated 2 (SFTA2), mRNA [NM_205854]
SH3BP2	4	5,64E-03	2,02	1,11	2,21	Homo sapiens SH3-domain binding protein 2 (SH3BP2), transcript variant 4, mRNA [NM_001145855]
MAP3K14	17	8,57E-05	2,02	1,09	2,00	Homo sapiens mitogen-activated protein kinase kinase kinase 14 (MAP3K14), mRNA [NM_003954]
CFL2	14	1,42E-02	2,02	-1,04	2,24	Homo sapiens cofilin 2 (muscle) (CFL2), transcript variant 1, mRNA [NM_021914]
UBR1	15	3,19E-05	2,02	1,11	2,00	Homo sapiens ubiquitin protein ligase E3 component n-recognin 1 (UBR1), mRNA [NM_174916]
LOC388692	1	1,76E-03	2,01	1,11	2,22	Homo sapiens hypothetical LOC388692 (LOC388692), non-coding RNA [NR_027002]
ASPHD2	22	5,39E-04	2,01	1,04	2,10	Homo sapiens aspartate beta-hydroxylase domain containing 2 (ASPHD2), mRNA [NM_020437]
LOC115110	1	1,70E-03	2,01	-1,11	2,00	Homo sapiens hypothetical LOC115110 (LOC115110), non-coding RNA [NR_026927]
DEFB1	8	5,77E-03	2,01	1,54	2,21	Homo sapiens defensin, beta 1 (DEFB1), mRNA [NM_005218]
DCUN1D3	16	3,96E-04	2,01	-1,00	2,22	Homo sapiens DCN1, defective in cullin neddylation 1, domain containing 3 (S. cerevisiae) (DCUN1D3), mRNA [NM_173475]
	7	2,12E-02	2,01	-1,20	1,53	T cell receptor beta variable 10-2 [Source:HGNC Symbol;Acc:12178] [ENST00000426318]
C12orf35	12	3,45E-04	2,01	-1,03	2,26	Homo sapiens chromosome 12

						open reading frame 35 (C12orf35), mRNA [NM_018169]
MACROD2	20	2,69E-02	2,01	-1,04	1,96	Homo sapiens chromosome 20 open reading frame 133, mRNA (cDNA clone IMAGE:4513167). [BC035876]
TAOK3	12	2,30E-03	2,01	-1,05	2,04	Homo sapiens TAO kinase 3 (TAOK3), mRNA [NM_016281]
ANKRD36BP1	1	1,31E-03	2,01	1,15	2,25	Homo sapiens ankyrin repeat domain 36B pseudogene 1 (ANKRD36BP1), non-coding RNA [NR_026844]
CPT1B	22	3,73E-03	2,01	1,09	2,21	Homo sapiens carnitine palmitoyltransferase 1B (muscle) (CPT1B), nuclear gene encoding mitochondrial protein, transcript variant 3, mRNA [NM_152246]
HPR	16	2,16E-03	2,01	-1,08	2,01	Homo sapiens haptoglobin-related protein (HPR), mRNA [NM_020995]
	5	3,76E-02	2,01	1,37	1,87	lincRNA:chr5:18484318-18746268 forward strand
FAS	10	2,44E-03	2,01	1,05	2,08	Homo sapiens Fas (TNF receptor superfamily, member 6) (FAS), transcript variant 1, mRNA [NM_000043]
CALCRL	2	1,92E-02	2,01	-1,31	2,21	Homo sapiens calcitonin receptor-like (CALCRL), mRNA [NM_005795]
BFSP2	3	8,48E-03	2,00	1,11	1,46	Homo sapiens beaded filament structural protein 2, phakinin (BFSP2), mRNA [NM_003571]
C9orf89	9	2,05E-04	2,00	1,14	2,07	Homo sapiens chromosome 9 open reading frame 89 (C9orf89), mRNA [NM_032310]
STXBP1	9	3,28E-04	2,00	1,07	2,34	Homo sapiens syntaxin binding protein 1 (STXBP1), transcript variant 1, mRNA [NM_003165]
STMN3	20	6,84E-03	2,00	1,08	1,83	Homo sapiens stathmin-like 3 (STMN3), mRNA [NM_015894]

Supplementary Table E7, IFN-¥/IL-22 down-regulated genes

GeneSymbol	Chr	p-value	Fold change (IFN-¥/IL-22 vs N.T.)	Fold change (IL-22 vs N.T.)	Fold change (IFN-¥ vs N.T.)	Description
RPTN	1	7,68E-04	-25,06	-5,60	-5,90	Homo sapiens repetin (RPTN), mRNA [NM_001122965]
MEX3B	15	1,32E-05	-23,64	-1,08	-25,19	Homo sapiens mex-3 homolog B (C. elegans) (MEX3B), mRNA [NM_032246]
XKRX	X	1,08E-02	-16,00	-2,59	-11,44	Homo sapiens XK, Kell blood group complex subunit-related, X-linked (XKRX), mRNA [NM_212559]
KANK4	1	1,28E-04	-15,73	-1,18	-12,85	Homo sapiens KN motif and ankyrin repeat domains 4 (KANK4), mRNA [NM_181712]
CLDN17	21	6,99E-03	-13,97	-6,68	-8,65	Homo sapiens claudin 17 (CLDN17), mRNA [NM_012131]
ZNF850	19	5,47E-05	-13,43	1,07	-14,47	Homo sapiens zinc finger protein 850 (ZNF850), mRNA [NM_001193552]
DMRT2	9	2,60E-04	-13,16	-1,19	-14,49	Homo sapiens doublesex and mab-3 related transcription factor 2 (DMRT2), transcript variant 1, mRNA [NM_006557]
DACT2	6	5,03E-03	-12,25	-1,18	-12,27	Homo sapiens dapper, antagonist of beta-catenin, homolog 2 (Xenopus laevis) (DACT2), mRNA [NM_214462]
IGFBP3	7	1,70E-03	-12,16	-1,30	-9,77	Homo sapiens insulin-like growth factor binding protein 3 (IGFBP3), transcript variant 1, mRNA [NM_001013398]
HS3ST6	16	6,36E-03	-12,04	-2,15	-8,44	Homo sapiens heparan sulfate (glucosamine) 3-O-sulfotransferase 6 (HS3ST6), mRNA [NM_001009606]
CCNE2	8	3,57E-05	-11,54	1,09	-4,31	Homo sapiens cyclin E2 (CCNE2), mRNA [NM_057749]
EGFL6	X	8,20E-04	-10,32	1,07	-8,42	Homo sapiens EGF-like-domain, multiple 6 (EGFL6), transcript variant 2, mRNA [NM_001167890]
THBS2	6	4,64E-04	-10,03	-1,09	-9,81	Homo sapiens thrombospondin 2 (THBS2), mRNA [NM_003247]

PRICKLE1	12	2,10E-04	-9,98	-1,54	-9,54	Homo sapiens prickle homolog 1 (Drosophila) (PRICKLE1), transcript variant 1, mRNA [NM_153026]
C3orf57	3	1,33E-04	-9,83	-3,09	-7,58	Homo sapiens chromosome 3 open reading frame 57 (C3orf57), mRNA [NM_001040100]
ZNF608	5	1,08E-04	-9,80	-1,05	-10,66	Homo sapiens zinc finger protein 608 (ZNF608), mRNA [NM_020747]
ID3	1	4,22E-04	-9,74	-1,22	-12,58	Homo sapiens inhibitor of DNA binding 3, dominant negative helix-loop-helix protein (ID3), mRNA [NM_002167]
NPR3	5	2,46E-04	-9,58	1,13	-10,95	Homo sapiens natriuretic peptide receptor C/guanylate cyclase C (atrionatriuretic peptide receptor C) (NPR3), transcript variant 1, mRNA [NM_001204375]
SOX6	11	4,87E-02	-9,26	-1,46	-2,90	Homo sapiens SRY (sex determining region Y)-box 6 (SOX6), transcript variant 1, mRNA [NM_017508]
DLX2	2	5,40E-03	-9,16	-1,62	-8,27	Homo sapiens distal-less homeobox 2 (DLX2), mRNA [NM_004405]
ADH7	4	2,00E-02	-9,14	-1,53	-8,66	Homo sapiens alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide (ADH7), transcript variant 2, mRNA [NM_000673]
NOX4	11	1,71E-04	-9,05	-1,03	-5,55	Homo sapiens NADPH oxidase 4 (NOX4), transcript variant 1, mRNA [NM_016931]
MUM1L1	X	1,44E-04	-9,02	-1,51	-9,37	Homo sapiens melanoma associated antigen (mutated) 1-like 1 (MUM1L1), transcript variant 2, mRNA [NM_152423]
S1PR1	1	1,09E-05	-8,86	1,08	-11,37	Homo sapiens sphingosine-1-phosphate receptor 1 (S1PR1), mRNA [NM_001400]
ZNF850	19	5,00E-04	-8,81	-1,32	-7,46	Homo sapiens zinc finger protein 850 (ZNF850), mRNA [NM_001193552]

CLN8	8	8,67E-06	-8,29	-1,16	-8,28	Homo sapiens ceroid-lipofuscinosis, neuronal 8 (epilepsy, progressive with mental retardation) (CLN8), mRNA [NM_018941]
KCNAB2	1	4,24E-02	-8,21	-9,04	-10,60	Homo sapiens potassium voltage-gated channel, shaker-related subfamily, beta member 2 (KCNAB2), transcript variant 1, mRNA [NM_003636]
DLX5	7	1,79E-03	-8,09	-1,70	-5,14	Homo sapiens distal-less homeobox 5 (DLX5), mRNA [NM_005221]
SLC40A1	2	5,03E-04	-7,95	-1,09	-7,78	Homo sapiens solute carrier family 40 (iron-regulated transporter), member 1 (SLC40A1), mRNA [NM_014585]
KANK4	1	1,58E-05	-7,94	-1,10	-7,32	Homo sapiens KN motif and ankyrin repeat domains 4 (KANK4), mRNA [NM_181712]
RAB7B		4,52E-03	-7,79	-1,03	-7,63	Homo sapiens RAB7B, member RAS oncogene family (RAB7B), transcript variant 1, mRNA [NM_177403]
ADH7	4	1,33E-02	-7,78	-1,31	-6,64	Homo sapiens alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide (ADH7), transcript variant 2, mRNA [NM_000673]
NPR3	5	1,56E-04	-7,77	-1,02	-10,88	Homo sapiens natriuretic peptide receptor C/guanylate cyclase C (atrionatriuretic peptide receptor C) (NPR3), transcript variant 2, mRNA [NM_000908]
FLJ13744	6	1,42E-04	-7,59	-1,10	-7,53	Homo sapiens cDNA FLJ13744 fis, clone PLACE3000230. [AK023806]
LPPR1	9	4,10E-03	-7,34	-1,02	-8,34	Homo sapiens lipid phosphate phosphatase-related protein type 1 (LPPR1), transcript variant 1, mRNA [NM_207299]
SLITRK6	13	3,81E-05	-7,28	1,02	-8,19	Homo sapiens SLIT and NTRK-like family, member 6 (SLITRK6), mRNA

						[NM_032229]
CHP2	16	7,72E-05	-7,24	-1,48	-5,28	Homo sapiens calcineurin B homologous protein 2 (CHP2), mRNA [NM_022097]
APCDD1	18	3,11E-02	-7,18	-1,67	-3,38	Homo sapiens adenomatosis polyposis coli down-regulated 1 (APCDD1), mRNA [NM_153000]
GPNMB	7	1,00E-02	-7,08	-1,86	-3,94	Homo sapiens glycoprotein (transmembrane) nmb, mRNA (cDNA clone IMAGE:3345861), complete cds. [BC011595]
LRAT	4	3,51E-03	-6,86	-2,13	-4,03	Homo sapiens lecithin retinol acyltransferase (phosphatidylcholine--retinol O-acyltransferase) (LRAT), mRNA [NM_004744]
ZNF367	9	3,17E-04	-6,81	-1,03	-7,35	Homo sapiens zinc finger protein 367 (ZNF367), mRNA [NM_153695]
SOX2	3	4,50E-03	-6,78	-1,35	-6,26	Homo sapiens SRY (sex determining region Y)-box 2 (SOX2), mRNA [NM_003106]
CALML5	10	8,58E-04	-6,77	-2,06	-4,53	Homo sapiens calmodulin-like 5 (CALML5), mRNA [NM_017422]
SLC16A14	2	1,37E-02	-6,60	-1,24	-5,86	Homo sapiens solute carrier family 16, member 14 (monocarboxylic acid transporter 14) (SLC16A14), mRNA [NM_152527]
TMEM200B	1	1,03E-03	-6,58	-1,23	-6,60	Homo sapiens transmembrane protein 200B (TMEM200B), transcript variant 2, mRNA [NM_001003682]
C10orf114	10	9,07E-06	-6,54	-1,17	-7,39	Homo sapiens chromosome 10 open reading frame 114 (C10orf114), mRNA [NM_001010911]
LOC728196	11	2,36E-03	-6,53	-1,31	-5,04	Homo sapiens cDNA clone IMAGE:4820483. [BC021736]
BMPER	7	3,00E-03	-6,45	1,20	-8,36	Homo sapiens BMP binding endothelial regulator (BMPER), mRNA [NM_133468]

	17	2,44E-02	-6,44	1,13	-3,39	lincRNA:chr17:67547498-67549996 forward strand
ARL4C	2	6,85E-04	-6,37	-1,29	-7,49	Homo sapiens ADP-ribosylation factor-like 4C (ARL4C), mRNA [NM_005737]
LIPK	10	3,47E-02	-6,35	-3,34	-5,63	Homo sapiens lipase, family member K (LIPK), mRNA [NM_001080518]
FAT4	4	4,57E-02	-6,33	-1,59	-4,94	Homo sapiens FAT tumor suppressor homolog 4 (Drosophila) (FAT4), mRNA [NM_024582]
FLRT3	20	1,84E-04	-6,24	-1,18	-7,50	Homo sapiens fibronectin leucine rich transmembrane protein 3 (FLRT3), transcript variant 2, mRNA [NM_198391]
SRGAP3	3	2,08E-03	-6,16	1,07	-6,51	Homo sapiens SLIT-ROBO Rho GTPase activating protein 3 (SRGAP3), transcript variant 1, mRNA [NM_014850]
VIPR1	3	1,64E-03	-6,10	-1,19	-5,67	Homo sapiens vasoactive intestinal peptide receptor 1 (VIPR1), mRNA [NM_004624]
	3	1,71E-02	-6,04	-1,51	-5,18	lincRNA:chr3:37886971-37901969 reverse strand
		1,30E-02	-5,97	-1,26	-6,68	hg18:lincRNA:chr8:29728438-29805562 forward strand
PROC	2	3,85E-03	-5,94	-1,01	-6,21	Homo sapiens protein C (inactivator of coagulation factors Va and VIIIa) (PROC), mRNA [NM_000312]
FAM198B	4	6,69E-03	-5,87	-1,04	-6,07	Homo sapiens family with sequence similarity 198, member B (FAM198B), transcript variant 2, mRNA [NM_016613]
WNT4	1	4,77E-03	-5,87	-1,36	-3,63	Homo sapiens wingless-type MMTV integration site family, member 4 (WNT4), mRNA [NM_030761]
FAM111B	11	3,29E-03	-5,87	-1,13	-6,58	Homo sapiens family with sequence similarity 111, member B (FAM111B), transcript variant 1, mRNA [NM_198947]
WNT10A	2	3,19E-03	-5,83	-1,28	-5,18	Homo sapiens wingless-type MMTV integration site

						family, member 10A (WNT10A), mRNA [NM_025216]
C13orf15	13	2,14E-02	-5,83	1,02	-3,94	Homo sapiens chromosome 13 open reading frame 15 (C13orf15), mRNA [NM_014059]
DTL	1	1,09E-02	-5,76	-1,04	-9,41	Homo sapiens denticleless homolog (Drosophila) (DTL), mRNA [NM_016448]
TP53AIP1	11	4,29E-04	-5,71	-1,01	-4,54	tumor protein p53 regulated apoptosis inducing protein 1 [Source:HGNC Symbol;Acc:29984] [ENST00000263583]
PALMD	1	6,10E-07	-5,63	-1,07	-6,56	Homo sapiens palmdelphin (PALMD), mRNA [NM_017734]
THEM5	1	2,42E-02	-5,55	-1,21	-4,54	Homo sapiens thioesterase superfamily member 5 (THEM5), mRNA [NM_182578]
MEX3A	1	4,94E-05	-5,52	-1,03	-6,88	Homo sapiens mex-3 homolog A (C. elegans) (MEX3A), mRNA [NM_001093725]
CBX2	17	1,22E-04	-5,51	-1,06	-7,91	Homo sapiens chromobox homolog 2 (CBX2), transcript variant 1, mRNA [NM_005189]
GP1BB	22	7,30E-05	-5,49	-1,08	-5,02	Homo sapiens glycoprotein Ib (platelet), beta polypeptide (GP1BB), mRNA [NM_000407]
PNMAL1	19	3,70E-03	-5,45	-1,00	-5,92	Homo sapiens PNMA-like 1 (PNMAL1), transcript variant 1, mRNA [NM_018215]
TWIST1	7	5,70E-03	-5,45	-1,55	-4,25	Homo sapiens twist homolog 1 (Drosophila) (TWIST1), mRNA [NM_000474]
FGFR2	10	1,41E-03	-5,40	-1,05	-4,75	Homo sapiens fibroblast growth factor receptor 2 (FGFR2), transcript variant 2, mRNA [NM_022970]
LFNG	7	3,10E-03	-5,34	-1,21	-4,79	Homo sapiens LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase (LFNG), transcript variant 1, mRNA [NM_001040167]
ANKRD35	1	3,51E-03	-5,33	-2,10	-4,32	Homo sapiens ankyrin repeat

						domain 35 (ANKRD35), mRNA [NM_144698]
ZNF323	6	3,40E-04	-5,32	1,09	-5,05	Homo sapiens zinc finger protein 323 (ZNF323), transcript variant 1, mRNA [NM_030899]
RIBC2	22	7,39E-03	-5,31	-1,14	-5,43	Homo sapiens RIB43A domain with coiled-coils 2 (RIBC2), mRNA [NM_015653]
SLC25A27	6	4,76E-03	-5,30	-1,28	-5,62	Homo sapiens solute carrier family 25, member 27 (SLC25A27), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_004277]
SMO	7	5,13E-04	-5,28	-1,04	-5,41	Homo sapiens smoothened, frizzled family receptor (SMO), mRNA [NM_005631]
KLRG2	7	8,61E-03	-5,23	1,33	-3,23	Homo sapiens killer cell lectin-like receptor subfamily G, member 2 (KLRG2), mRNA [NM_198508]
BCL2	18	1,35E-03	-5,21	-1,37	-5,51	Homo sapiens B-cell CLL/lymphoma 2 (BCL2), nuclear gene encoding mitochondrial protein, transcript variant alpha, mRNA [NM_000633]
XLOC_014105	21	2,64E-02	-5,20	2,34	-6,03	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
ZNF367	9	2,92E-02	-5,19	-1,06	-5,24	Homo sapiens zinc finger protein 367 (ZNF367), mRNA [NM_153695]
PANK1	10	5,13E-03	-5,15	-1,10	-5,87	Homo sapiens pantothenate kinase 1 (PANK1), transcript variant alpha, mRNA [NM_148977]
C9orf150	9	8,63E-05	-5,14	-1,24	-5,54	Homo sapiens chromosome 9 open reading frame 150 (C9orf150), mRNA [NM_203403]
EID2B	19	5,76E-03	-5,14	-1,17	-6,96	Homo sapiens EP300 interacting inhibitor of differentiation 2B (EID2B), mRNA [NM_152361]
C10orf140	10	2,71E-06	-5,12	-1,44	-5,13	Homo sapiens chromosome 10 open reading frame 140 (C10orf140),

						mRNA [NM_207371]
LOC80054	19	2,79E-04	-5,11	-1,18	-3,51	Homo sapiens hypothetical LOC80054 (LOC80054), non-coding RNA [NR_026887]
LRMP	12	1,26E-02	-5,09	-1,03	-6,13	Homo sapiens lymphoid-restricted membrane protein (LRMP), transcript variant 1, mRNA [NM_006152]
ELF5	11	5,20E-03	-5,06	-2,58	-3,24	Homo sapiens E74-like factor 5 (ets domain transcription factor) (ELF5), transcript variant 1, mRNA [NM_198381]
RAB3A	19	6,35E-03	-5,06	-1,01	-5,15	Homo sapiens RAB3A, member RAS oncogene family (RAB3A), mRNA [NM_002866]
NCRNA00242	6	2,24E-02	-4,97	1,34	-4,74	Homo sapiens non-protein coding RNA 242 (NCRNA00242), non-coding RNA [NR_026781]
MYBL1	8	2,58E-04	-4,96	-1,94	-4,79	Homo sapiens v-myb myeloblastosis viral oncogene homolog (avian)-like 1 (MYBL1), transcript variant 2, mRNA [NM_001144755]
FZD10	12	7,63E-05	-4,96	1,05	-5,65	Homo sapiens frizzled family receptor 10 (FZD10), mRNA [NM_007197]
EGR3	8	2,53E-02	-4,93	-2,46	-3,00	Homo sapiens early growth response 3 (EGR3), transcript variant 1, mRNA [NM_004430]
SDR9C7	12	1,09E-02	-4,88	-1,43	-5,47	Homo sapiens short chain dehydrogenase/reductase family 9C, member 7 (SDR9C7), mRNA [NM_148897]
CEBPA	19	6,28E-03	-4,78	-1,47	-4,06	Homo sapiens CCAAT/enhancer binding protein (C/EBP), alpha (CEBPA), mRNA [NM_004364]
CNKSR3	6	1,37E-02	-4,75	-1,21	-4,68	Homo sapiens CNKSR family member 3 (CNKSR3), mRNA [NM_173515]
LOC729088	6	4,22E-03	-4,69	-1,30	-5,48	PREDICTED: Homo sapiens hypothetical LOC729088 (LOC729088), miscRNA [XR_112950]

SLC47A2	17	6,27E-03	-4,68	1,47	-3,98	Homo sapiens solute carrier family 47, member 2 (SLC47A2), transcript variant 1, mRNA [NM_152908]
SALL2	14	5,90E-04	-4,63	-1,20	-5,21	Homo sapiens sal-like 2 (Drosophila) (SALL2), mRNA [NM_005407]
CDH6	5	1,26E-02	-4,62	-1,02	-5,89	Homo sapiens cadherin 6, type 2, K-cadherin (fetal kidney) (CDH6), mRNA [NM_004932]
C1orf118	1	3,55E-03	-4,62	-1,07	-4,82	PREDICTED: Homo sapiens chromosome 1 open reading frame 118 (C1orf118), miscRNA [XR_113334]
	15	1,49E-02	-4,61	-1,25	-4,31	lincRNA:chr15:25230006-25233452 forward strand
	X	1,21E-02	-4,55	-2,58	-2,38	lincRNA:chrX:73050901-73051109 forward strand
PSG3	19	6,89E-04	-4,55	1,08	-3,37	Homo sapiens pregnancy specific beta-1-glycoprotein 3 (PSG3), mRNA [NM_021016]
CCNE2	8	1,79E-03	-4,55	-1,01	-5,37	Homo sapiens cyclin E2 (CCNE2), mRNA [NM_057749]
NFYA	6	7,44E-06	-4,55	1,04	-5,25	Homo sapiens nuclear transcription factor Y, alpha (NFYA), transcript variant 1, mRNA [NM_002505]
WDR33	2	7,54E-03	-4,54	-1,17	-2,97	Homo sapiens WD repeat domain 33 (WDR33), transcript variant 3, mRNA [NM_001006623]
HEY1	8	6,57E-03	-4,53	-1,07	-5,55	Homo sapiens hairy/enhancer-of-split related with YRPW motif 1 (HEY1), transcript variant 2, mRNA [NM_001040708]
	1	5,14E-05	-4,52	-1,09	-5,08	chromosome 1 open reading frame 98 [Source:HGNC Symbol;Acc:21901] [ENST00000367356]
RUNX2	6	1,16E-03	-4,51	-1,32	-5,21	Homo sapiens runt-related transcription factor 2 (RUNX2), transcript variant 3, mRNA [NM_004348]
OVOL2	20	1,33E-04	-4,50	-1,05	-5,10	Homo sapiens ovo-like 2 (Drosophila) (OVOL2), mRNA [NM_021220]
GLI1	12	1,82E-02	-4,49	-1,34	-5,84	Homo sapiens GLI family zinc finger 1

						(GLI1), transcript variant 1, mRNA [NM_005269]
SBK1	16	1,06E-02	-4,48	1,02	-5,09	Homo sapiens SH3-binding domain kinase 1 (SBK1), mRNA [NM_001024401]
PTHLH	12	2,29E-06	-4,48	1,01	-5,61	Homo sapiens parathyroid hormone-like hormone (PTHLH), transcript variant 1, mRNA [NM_198965]
CSRNP3	2	4,65E-04	-4,47	-1,07	-7,54	Homo sapiens cysteine-serine-rich nuclear protein 3 (CSRNP3), transcript variant 1, mRNA [NM_001172173]
	1	1,26E-02	-4,44	-1,31	-4,83	forkhead box O6 [Source:HGNC Symbol;Acc:24814] [ENST00000372591]
RPL27A	11	1,76E-07	-4,44	1,05	-5,15	Homo sapiens ribosomal protein L27a (RPL27A), mRNA [NM_000990]
LOC401052	3	1,53E-03	-4,43	-1,31	-2,63	Homo sapiens hypothetical LOC401052 (LOC401052), mRNA [NM_001008737]
SLED1	4	1,43E-03	-4,42	-1,36	-3,70	Homo sapiens proteoglycan 3 pseudogene (SLED1), non-coding RNA [NR_003542]
CNKSR3	6	1,12E-03	-4,40	-1,18	-4,25	Homo sapiens CNKSR family member 3 (CNKSR3), mRNA [NM_173515]
	11	5,74E-03	-4,39	-1,18	-7,00	DA375949 BRTHA2 Homo sapiens cDNA clone BRTHA2007423 5', mRNA sequence [DA375949]
SMOC2	6	1,08E-03	-4,39	-1,05	-6,24	Homo sapiens SPARC related modular calcium binding 2 (SMOC2), transcript variant 1, mRNA [NM_022138]
MYB	6	7,95E-05	-4,38	1,14	-4,96	Homo sapiens v-myb myeloblastosis viral oncogene homolog (avian) (MYB), transcript variant 2, mRNA [NM_005375]
TFAP4	16	1,31E-02	-4,38	-1,33	-3,23	Homo sapiens transcription factor AP-4 (activating enhancer binding protein 4) (TFAP4), mRNA [NM_003223]
SLC25A29	14	6,25E-05	-4,37	1,05	-4,89	Homo sapiens solute

						carrier family 25, member 29 (SLC25A29), nuclear gene encoding mitochondrial protein, mRNA [NM_001039355]
	14	1,81E-04	-4,36	-1,49	-4,16	DA455367 CTONG2 Homo sapiens cDNA clone CTONG2028771 5', mRNA sequence [DA455367]
KIAA1377	11	2,54E-04	-4,34	-1,55	-4,46	Homo sapiens KIAA1377 (KIAA1377), mRNA [NM_020802]
	8	3,08E-05	-4,34	-1,07	-4,90	lincRNA:chr8:107284490-107284921 forward strand
ADAMTS1	21	1,10E-04	-4,34	-1,01	-5,38	Homo sapiens ADAM metallopeptidase with thrombospondin type 1 motif, 1 (ADAMTS1), mRNA [NM_006988]
FAM134B	5	1,42E-03	-4,30	-1,09	-4,27	Homo sapiens family with sequence similarity 134, member B (FAM134B), transcript variant 1, mRNA [NM_001034850]
NOG	17	1,37E-03	-4,26	-1,25	-6,91	Homo sapiens noggin (NOG), mRNA [NM_005450]
EPHA4	2	9,45E-04	-4,26	-1,16	-3,45	Homo sapiens EPH receptor A4 (EPHA4), mRNA [NM_004438]
ADAMTS1	21	7,04E-05	-4,24	-1,04	-5,57	Homo sapiens ADAM metallopeptidase with thrombospondin type 1 motif, 1 (ADAMTS1), mRNA [NM_006988]
YIPF7	4	4,52E-02	-4,24	-3,70	-4,12	Homo sapiens Yip1 domain family, member 7 (YIPF7), mRNA [NM_182592]
AKNAD1	1	2,05E-02	-4,23	-1,37	-5,65	Homo sapiens AKNA domain containing 1 (AKNAD1), mRNA [NM_152763]
NEXN	1	9,61E-04	-4,23	-1,15	-4,60	Homo sapiens nexilin (F actin binding protein) (NEXN), transcript variant 1, mRNA [NM_144573]
	8	1,66E-05	-4,22	-1,11	-4,63	lincRNA:chr8:107283938-107285127 forward strand
	4	1,61E-02	-4,22	-1,12	-4,11	lincRNA:chr4:90602655-90605092 forward strand
AJAP1	1	3,52E-03	-4,22	-1,25	-4,04	Homo sapiens

						adherens junctions associated protein 1 (AJAP1), transcript variant 1, mRNA [NM_018836]
XLOC_014107	21	6,27E-04	-4,22	1,08	-3,50	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
NCRNA00313	21	3,18E-03	-4,21	-1,32	-4,41	Homo sapiens non-protein coding RNA 313 (NCRNA00313), non-coding RNA [NR_026863]
C6orf138	6	4,11E-02	-4,21	-1,29	-1,88	Homo sapiens chromosome 6 open reading frame 138 (C6orf138), transcript variant 1, mRNA [NM_001013732]
EID2B	19	3,95E-04	-4,20	-1,24	-6,01	Homo sapiens EP300 interacting inhibitor of differentiation 2B (EID2B), mRNA [NM_152361]
LOC646903	3	2,96E-03	-4,19	1,00	-4,58	Homo sapiens hypothetical LOC646903 (LOC646903), non-coding RNA [NR_036538]
LOC728978	10	2,92E-04	-4,19	-1,40	-3,89	Homo sapiens hypothetical LOC728978 (LOC728978), non-coding RNA [NR_038453]
ENDOU	12	1,99E-02	-4,18	-2,22	-3,41	Homo sapiens endonuclease, polyU-specific (ENDOU), transcript variant 2, mRNA [NM_006025]
GPR19	12	1,22E-03	-4,17	-1,07	-4,49	Homo sapiens G protein-coupled receptor 19 (GPR19), mRNA [NM_006143]
HES5	1	2,52E-03	-4,17	-2,16	-3,31	Homo sapiens hairy and enhancer of split 5 (Drosophila) (HES5), mRNA [NM_001010926]
NANOS1	10	3,34E-04	-4,15	1,44	-5,31	Homo sapiens nanos homolog 1 (Drosophila) (NANOS1), mRNA [NM_199461]
DENND5B	12	2,91E-03	-4,15	-1,01	-4,07	Homo sapiens DENN/MADD domain containing 5B (DENND5B), mRNA [NM_144973]
FGFR2	10	8,87E-04	-4,14	-1,03	-4,32	Homo sapiens fibroblast growth factor receptor 2 (FGFR2), transcript

						variant 2, mRNA [NM_022970]
	4	5,05E-04	-4,14	-1,55	-3,41	lincRNA:chr4:79567370-79603853 forward strand
KPRP	1	4,57E-03	-4,12	-2,32	-2,74	Homo sapiens keratinocyte proline-rich protein (KPRP), mRNA [NM_001025231]
LOC283553	14	4,88E-04	-4,12	-1,15	-3,83	Homo sapiens hypothetical LOC283553 (LOC283553), non-coding RNA [NR_038358]
	3	1,56E-02	-4,11	-1,50	-4,16	Homo sapiens hypothetical protein LOC151878, mRNA (cDNA clone IMAGE:3844647), partial cds. [BC014063]
GPER	7	3,95E-05	-4,10	1,04	-4,98	Homo sapiens G protein-coupled estrogen receptor 1 (GPER), transcript variant 3, mRNA [NM_001039966]
ELOVL4	6	1,16E-03	-4,10	-1,22	-4,11	Homo sapiens ELOVL fatty acid elongase 4 (ELOVL4), mRNA [NM_022726]
ZNF287	17	3,42E-02	-4,04	-1,20	-3,75	Homo sapiens zinc finger protein 287 (ZNF287), mRNA [NM_020653]
C17orf99	17	1,02E-02	-4,04	-1,14	-9,44	Homo sapiens chromosome 17 open reading frame 99 (C17orf99), mRNA [NM_001163075]
	12	7,39E-04	-4,03	-1,32	-3,62	lincRNA:chr12:46117392-46117994 reverse strand
	8	9,77E-06	-4,03	-1,04	-4,27	oxidation resistance 1 [Source:HGNC Symbol;Acc:15822] [ENST00000521369]
NCRNA00287	9	4,59E-04	-4,02	-1,15	-2,94	Homo sapiens non-protein coding RNA 287 (NCRNA00287), non-coding RNA [NR_026677]
C8orf51	8	3,87E-03	-4,01	1,22	-2,18	Homo sapiens chromosome 8 open reading frame 51 (C8orf51), non-coding RNA [NR_026785]
NALCN	13	2,66E-02	-4,01	-1,01	-2,65	Homo sapiens sodium leak channel, non-selective (NALCN), mRNA [NM_052867]
AKR1C1	10	5,12E-05	-4,01	-1,09	-3,92	Homo sapiens aldo-

						keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase) (AKR1C1), mRNA [NM_001353]
MYCL1	1	1,74E-04	-4,01	1,19	-5,07	Homo sapiens v-myc myelocytomatosis viral oncogene homolog 1, lung carcinoma derived (avian) (MYCL1), transcript variant 1, mRNA [NM_001033081]
RCOR2	11	9,26E-04	-4,00	-1,15	-5,41	Homo sapiens REST corepressor 2 (RCOR2), mRNA [NM_173587]
C8orf75	8	1,51E-02	-3,99	-1,30	-3,48	Homo sapiens chromosome 8 open reading frame 75 (C8orf75), non-coding RNA [NR_026765]
FILIP1L	3	2,21E-04	-3,98	1,03	-4,03	Homo sapiens filamin A interacting protein 1-like (FILIP1L), transcript variant 1, mRNA [NM_182909]
MCM10	10	9,04E-04	-3,96	-1,03	-4,72	Homo sapiens minichromosome maintenance complex component 10 (MCM10), transcript variant 1, mRNA [NM_182751]
PAMR1	11	1,52E-03	-3,96	-1,20	-3,63	Homo sapiens peptidase domain containing associated with muscle regeneration 1 (PAMR1), transcript variant 1, mRNA [NM_015430]
FZD7	2	3,03E-04	-3,95	-1,24	-3,42	Homo sapiens frizzled family receptor 7 (FZD7), mRNA [NM_003507]
ZNF90	19	1,14E-02	-3,95	-1,10	-4,03	Homo sapiens zinc finger protein 90 (ZNF90), mRNA [NM_007138]
	4	9,27E-03	-3,94	-1,25	-3,77	lincRNA:chr4:90602655-90613743 forward strand
	12	7,15E-04	-3,94	-1,34	-4,32	huntingtin interacting protein 1 related [Source:HGNC Symbol;Acc:18415] [ENST00000535831]
CYP39A1	6	7,01E-03	-3,94	-1,22	-3,30	Homo sapiens cytochrome P450, family 39, subfamily A, polypeptide 1

						(CYP39A1), mRNA [NM_016593]
FAM47E	4	1,11E-02	-3,93	-1,11	-2,63	Homo sapiens family with sequence similarity 47, member E (FAM47E), transcript variant 2, mRNA [NM_001242936]
CDT1	16	2,48E-03	-3,93	-1,02	-5,28	Homo sapiens chromatin licensing and DNA replication factor 1 (CDT1), mRNA [NM_030928]
THBD	20	5,97E-05	-3,93	1,12	-5,20	Homo sapiens thrombomodulin (THBD), mRNA [NM_000361]
LOC401431	7	7,98E-03	-3,92	-1,63	-5,09	Homo sapiens hypothetical LOC401431 (LOC401431), non-coding RNA [NR_027040]
	Un_gl000218	2,28E-03	-3,92	-2,04	-4,52	Homo sapiens hCG2042718, mRNA (cDNA clone MGC:157828 IMAGE:40127380), complete cds. [BC127725]
	16	2,79E-03	-3,91	-1,04	-3,99	cDNA FLJ38012 fis, clone CTONG2012554 [Source:UniProtKB/TrEMBL;Acc:Q8N1P8] [ENST00000536986]
SEMA5A	5	1,30E-02	-3,89	-1,16	-4,23	Homo sapiens sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A (SEMA5A), mRNA [NM_003966]
	5	2,07E-05	-3,88	1,07	-4,28	full-length cDNA clone CS0DC006YB07 of Neuroblastoma Cot 25-normalized of Homo sapiens (human). [CR596214]
PRODH	22	1,09E-03	-3,88	1,02	-3,82	Homo sapiens proline dehydrogenase (oxidase) 1 (PRODH), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_016335]

C16orf45	16	1,46E-04	-3,88	1,03	-3,73	Homo sapiens chromosome 16 open reading frame 45 (C16orf45), transcript variant 1, mRNA [NM_033201]
PRODH	22	3,85E-03	-3,88	-1,03	-4,01	Homo sapiens proline dehydrogenase (oxidase) 1 (PRODH), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_016335]
LOC375196	2	5,47E-03	-3,87	-1,07	-4,13	Homo sapiens hypothetical LOC375196 (LOC375196), non-coding RNA [NR_028386]
WEE1	11	3,58E-04	-3,86	-1,12	-3,96	Homo sapiens WEE1 homolog (S. pombe) (WEE1), transcript variant 1, mRNA [NM_003390]
RBM24	6	3,18E-03	-3,86	1,09	-6,26	Homo sapiens RNA binding motif protein 24 (RBM24), transcript variant 2, mRNA [NM_153020]
FZD2	17	1,05E-03	-3,86	-1,01	-4,39	Homo sapiens frizzled family receptor 2 (FZD2), mRNA [NM_001466]
TMCC2	1	1,54E-03	-3,86	-1,13	-2,64	Homo sapiens transmembrane and coiled-coil domain family 2 (TMCC2), transcript variant 1, mRNA [NM_014858]
MAP3K12	12	1,38E-03	-3,85	-1,08	-4,44	Homo sapiens mitogen-activated protein kinase kinase kinase 12 (MAP3K12), transcript variant 2, mRNA [NM_006301]
MUC15	11	2,22E-03	-3,85	-1,55	-2,73	Homo sapiens mucin 15, cell surface associated (MUC15), transcript variant 2, mRNA [NM_145650]
TRIM6	11	8,81E-05	-3,84	-1,05	-3,81	Homo sapiens tripartite motif containing 6 (TRIM6), transcript variant 1, mRNA [NM_001003818]
SMAD5-AS1	5	9,20E-04	-3,83	1,01	-4,27	Homo sapiens SMAD5 antisense RNA 1 (non-protein coding) (SMAD5-AS1), non-coding RNA [NR_026763]
AMTN	4	2,84E-05	-3,82	1,05	-4,69	Homo sapiens amelotin (AMTN), mRNA [NM_212557]

KIAA1257	3	4,90E-03	-3,81	-2,31	-4,49	Homo sapiens KIAA1257 (KIAA1257), mRNA [NM_020741]
AKR1C4	10	2,13E-05	-3,80	-1,10	-3,49	Homo sapiens aldo-keto reductase family 1, member C4 (chlordecone reductase; 3-alpha hydroxysteroid dehydrogenase, type I; dihydrodiol dehydrogenase 4) (AKR1C4), mRNA [NM_001818]
OLFML2A	9	3,80E-03	-3,78	-1,14	-3,54	Homo sapiens olfactomedin-like 2A (OLFML2A), mRNA [NM_182487]
ASPRV1	2	4,35E-02	-3,77	-2,66	-1,73	Homo sapiens aspartic peptidase, retroviral-like 1 (ASPRV1), mRNA [NM_152792]
HIST1H1B	6	4,41E-03	-3,77	-1,09	-4,80	Homo sapiens histone cluster 1, H1b (HIST1H1B), mRNA [NM_005322]
CDKN2C	1	1,38E-03	-3,76	-1,06	-3,48	Homo sapiens cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4) (CDKN2C), transcript variant 2, mRNA [NM_078626]
CNTNAP2	7	1,16E-02	-3,75	-1,76	-5,37	Homo sapiens contactin associated protein-like 2 (CNTNAP2), mRNA [NM_014141]
SMYD1	2	2,29E-02	-3,74	-3,08	-3,29	Homo sapiens SET and MYND domain containing 1 (SMYD1), mRNA [NM_198274]
GNRHR	4	4,89E-02	-3,73	-1,47	-3,26	Homo sapiens gonadotropin-releasing hormone receptor (GNRHR), transcript variant 1, mRNA [NM_000406]
	6	1,05E-02	-3,71	-1,34	-3,21	lincRNA:chr6:154718233-154725342 reverse strand
MAMDC2	9	9,10E-03	-3,71	-1,27	-2,87	Homo sapiens MAM domain containing 2 (MAMDC2), mRNA [NM_153267]
LOC100130015	16	7,78E-03	-3,71	-1,34	-2,47	Homo sapiens 5-hydroxyisourate hydrolase pseudogene (LOC100130015), transcript variant 1, non-coding RNA [NR_027336]
DDIT4L	4	8,74E-03	-3,70	-1,63	-5,15	Homo sapiens DNA-damage-inducible transcript 4-like

						(DDIT4L), mRNA [NM_145244]
ARRB1	11	5,46E-04	-3,69	1,05	-4,04	Homo sapiens arrestin, beta 1 (ARRB1), transcript variant 1, mRNA [NM_004041]
KHK	2	1,46E-03	-3,69	1,00	-4,83	Homo sapiens ketohexokinase (fructokinase) (KHK), transcript variant a, mRNA [NM_000221]
	14	2,96E-04	-3,68	-1,03	-4,07	Full-length cDNA clone CS0DF017YB20 of Fetal brain of Homo sapiens (human) [Source:UniProtKB/TrEMBL;Acc:Q86U27] [ENST00000380722]
EXPH5	11	1,96E-04	-3,68	-1,23	-3,92	Homo sapiens exophilin 5 (EXPH5), mRNA [NM_015065]
ODZ2	5	2,28E-05	-3,67	-1,08	-4,90	Homo sapiens odz, odd Oz/ten-m homolog 2 (Drosophila) (ODZ2), mRNA [NM_001122679]
NEIL3	4	3,44E-02	-3,66	-1,11	-4,83	Homo sapiens nei endonuclease VIII-like 3 (E. coli) (NEIL3), mRNA [NM_018248]
MESP1	15	5,49E-03	-3,66	-1,19	-2,08	Homo sapiens mesoderm posterior 1 homolog (mouse) (MESP1), mRNA [NM_018670]
GHR	5	8,41E-03	-3,66	1,07	-4,06	Homo sapiens growth hormone receptor (GHR), transcript variant 12, mRNA [NM_001242462]
ACPP	3	2,45E-03	-3,66	-1,05	-2,39	Homo sapiens acid phosphatase, prostate (ACPP), transcript variant 1, mRNA [NM_001099]
E2F1	20	1,04E-02	-3,65	-1,09	-5,10	Homo sapiens E2F transcription factor 1 (E2F1), mRNA [NM_005225]
DIXDC1	11	1,53E-03	-3,65	1,02	-3,82	Homo sapiens DIX domain containing 1 (DIXDC1), transcript variant 1, mRNA [NM_001037954]
NCRNA00245	10	1,56E-04	-3,64	-1,19	-4,29	Homo sapiens non-protein coding RNA 245 (NCRNA00245), transcript variant 1, non-coding RNA [NR_024421]
ODZ2	5	4,02E-05	-3,64	1,00	-4,72	Homo sapiens odz, odd Oz/ten-m homolog 2 (Drosophila) (ODZ2),

						mRNA [NM_001122679]
STON1	2	4,32E-04	-3,64	1,04	-3,69	Homo sapiens stonin 1 (STON1), transcript variant 2, mRNA [NM_006873]
	4	3,13E-03	-3,63	-1,21	-3,89	lincRNA:chr4:90602655-90605092 forward strand
NR0B1	X	4,66E-03	-3,63	-1,43	-4,22	Homo sapiens nuclear receptor subfamily 0, group B, member 1 (NR0B1), mRNA [NM_000475]
XLOC_011183	15	7,00E-04	-3,63	1,02	-3,08	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
PADI1	1	1,93E-02	-3,61	-2,51	-2,53	Homo sapiens peptidyl arginine deiminase, type I (PADI1), mRNA [NM_013358]
KIT	4	2,71E-02	-3,60	-1,24	-3,91	Homo sapiens v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT), transcript variant 1, mRNA [NM_000222]
PIK3C2B	1	7,69E-04	-3,60	-1,05	-3,72	Homo sapiens phosphoinositide-3-kinase, class 2, beta polypeptide (PIK3C2B), mRNA [NM_002646]
	15	1,06E-03	-3,60	-1,13	-3,59	lincRNA:chr15:25240607-25246007 forward strand
VSIG10L	19	4,44E-02	-3,59	-1,85	-2,28	Homo sapiens V-set and immunoglobulin domain containing 10 like (VSIG10L), mRNA [NM_001163922]
40971	5	8,44E-03	-3,59	-1,62	-2,91	Homo sapiens membrane-associated ring finger (C3HC4) 3 (MARCH3), mRNA [NM_178450]
FAM171B	2	1,52E-03	-3,59	-1,02	-3,16	Homo sapiens family with sequence similarity 171, member B (FAM171B), mRNA [NM_177454]
WNT5A	3	2,23E-02	-3,58	-1,25	-3,36	Homo sapiens wingless-type MMTV integration site family, member 5A (WNT5A), mRNA [NM_003392]
ISL1	5	9,73E-04	-3,58	1,02	-3,84	Homo sapiens ISL LIM homeobox 1 (ISL1), mRNA [NM_002202]
S1PR5	19	3,17E-04	-3,58	1,02	-4,03	Homo sapiens

						sphingosine-1-phosphate receptor 5 (S1PR5), transcript variant 1, mRNA [NM_030760]
AKR1C1	10	4,61E-04	-3,57	-1,07	-3,45	Homo sapiens aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase) (AKR1C1), mRNA [NM_001353]
FLRT2	14	6,98E-04	-3,56	-1,09	-3,84	Homo sapiens fibronectin leucine rich transmembrane protein 2 (FLRT2), mRNA [NM_013231]
CEP68	2	6,94E-04	-3,56	-1,00	-3,91	Homo sapiens centrosomal protein 68kDa (CEP68), mRNA [NM_015147]
	8	3,58E-03	-3,56	-1,21	-3,26	lincRNA:chr8:101487917-101513376 forward strand
TNFRSF10D	8	7,62E-04	-3,55	1,05	-4,16	Homo sapiens tumor necrosis factor receptor superfamily, member 10d, decoy with truncated death domain (TNFRSF10D), mRNA [NM_003840]
FAM161A	2	6,30E-04	-3,54	-1,02	-3,53	Homo sapiens family with sequence similarity 161, member A (FAM161A), transcript variant 2, mRNA [NM_032180]
SPATA13	13	1,74E-02	-3,54	-1,17	-2,59	Homo sapiens spermatogenesis associated 13 (SPATA13), transcript variant 1, mRNA [NM_001166271]
RIMBP3	22	4,27E-02	-3,54	-1,35	-3,41	Homo sapiens RIMS binding protein 3 (RIMBP3), mRNA [NM_015672]
CXorf28	X	4,50E-04	-3,54	-1,03	-4,00	Homo sapiens chromosome X open reading frame 28 (CXorf28), non-coding RNA [NR_038428]
XLOC_002977	3	3,80E-02	-3,54	-1,36	-2,06	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
	9	2,07E-02	-3,54	-1,37	-3,40	Novel protein [Source:UniProtKB/TrEMBL;Acc:Q4V308] [ENST00000417488]
FAM161A	2	2,92E-03	-3,53	-1,11	-3,66	Homo sapiens family

						with sequence similarity 161, member A (FAM161A), transcript variant 2, mRNA [NM_032180]
FAM171B	2	2,45E-03	-3,52	-1,08	-3,05	Homo sapiens family with sequence similarity 171, member B (FAM171B), mRNA [NM_177454]
	3	1,12E-05	-3,52	1,05	-2,95	lincRNA:chr3:58594615-58612924 reverse strand
BMP7	20	1,08E-02	-3,51	-1,57	-3,35	Homo sapiens bone morphogenetic protein 7 (BMP7), mRNA [NM_001719]
FLG	1	3,20E-02	-3,50	-1,68	-3,18	Homo sapiens filaggrin (FLG), mRNA [NM_002016]
LCA5	6	1,42E-03	-3,50	-1,22	-3,82	Homo sapiens Leber congenital amaurosis 5 (LCA5), transcript variant 1, mRNA [NM_181714]
CXorf57	X	5,20E-03	-3,50	1,01	-3,45	Homo sapiens chromosome X open reading frame 57 (CXorf57), transcript variant 1, mRNA [NM_018015]
KRT15	17	1,25E-04	-3,49	-1,03	-3,08	Homo sapiens keratin 15 (KRT15), mRNA [NM_002275]
LOC100505695	2	3,66E-02	-3,48	-1,34	-5,50	PREDICTED: Homo sapiens hypothetical protein LOC100505695 (LOC100505695), mRNA [XM_003118514]
MDM1	12	3,69E-02	-3,47	1,06	-2,17	Homo sapiens Mdm1 nuclear protein homolog (mouse) (MDM1), transcript variant 1, mRNA [NM_017440]
LOC730755	17	2,60E-04	-3,47	-1,25	-3,78	Homo sapiens keratin associated protein 2-4-like (LOC730755), mRNA [NM_001165252]
SYNGR1	22	8,75E-03	-3,47	-1,24	-2,17	Homo sapiens synaptogyrin 1 (SYNGR1), transcript variant 1b, mRNA [NM_145731]
DIRC3	2	1,18E-02	-3,45	-1,64	-2,96	Homo sapiens disrupted in renal carcinoma 3 (DIRC3), non-coding RNA [NR_026597]
IVL	1	1,67E-04	-3,45	-1,63	-2,47	Homo sapiens involucrin (IVL), mRNA [NM_005547]

EXO1	1	8,12E-03	-3,45	1,01	-4,57	Homo sapiens exonuclease 1 (EXO1), transcript variant 3, mRNA [NM_003686]
APCDD1L	20	2,96E-04	-3,44	1,02	-2,82	Homo sapiens adenomatosis polyposis coli down-regulated 1-like (APCDD1L), mRNA [NM_153360]
ROR1	1	3,85E-04	-3,44	-1,18	-3,99	Homo sapiens receptor tyrosine kinase-like orphan receptor 1 (ROR1), transcript variant 1, mRNA [NM_005012]
XLOC_011183	15	4,62E-05	-3,44	-1,10	-4,89	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
XLOC_011183	15	7,10E-03	-3,43	-1,32	-4,18	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
BCAS1	20	4,00E-02	-3,43	-1,48	-2,74	Homo sapiens breast carcinoma amplified sequence 1 (BCAS1), mRNA [NM_003657]
DENND5B	12	9,76E-03	-3,42	-1,05	-4,01	Homo sapiens DENN/MADD domain containing 5B (DENND5B), mRNA [NM_144973]
RIPPLY2	6	3,97E-02	-3,41	1,03	-2,88	Homo sapiens ripply2 homolog (zebrafish) (RIPPLY2), mRNA [NM_001009994]
CACNG4	17	1,90E-03	-3,40	1,30	-2,77	Homo sapiens calcium channel, voltage-dependent, gamma subunit 4 (CACNG4), mRNA [NM_014405]
LOC100506845	9	5,35E-04	-3,38	-1,02	-4,16	PREDICTED: Homo sapiens hypothetical LOC100506845 (LOC100506845), partial miscRNA [XR_110608]
HKDC1	10	1,66E-02	-3,38	-1,38	-2,74	Homo sapiens hexokinase domain containing 1 (HKDC1), mRNA [NM_025130]
TRIM45	1	2,02E-04	-3,38	-1,06	-3,78	Homo sapiens tripartite motif containing 45 (TRIM45), transcript variant 1, mRNA [NM_025188]
SH2D3C	9	3,51E-05	-3,37	1,15	-3,61	Homo sapiens SH2 domain containing 3C (SH2D3C),

						transcript variant 1, mRNA [NM_170600]
VTCN1	1	1,12E-03	-3,37	1,00	-2,69	Homo sapiens V-set domain containing T cell activation inhibitor 1 (VTCN1), mRNA [NM_024626]
DEXI	16	1,43E-04	-3,37	1,01	-4,67	Homo sapiens Dexi homolog (mouse) (DEXI), mRNA [NM_014015]
	4	7,75E-03	-3,37	-1,18	-3,65	Homo sapiens cDNA FLJ39473 fis, clone PROST2012890. [AK096792]
ZNF354C	5	3,69E-03	-3,37	-1,02	-3,10	Homo sapiens zinc finger protein 354C (ZNF354C), mRNA [NM_014594]
PROC	2	1,30E-03	-3,36	1,10	-3,17	Homo sapiens protein C (inactivator of coagulation factors Va and VIIIa) (PROC), mRNA [NM_000312]
KIAA1549	7	8,19E-04	-3,36	-1,28	-4,64	Homo sapiens KIAA1549 (KIAA1549), transcript variant 2, mRNA [NM_001164665]
AKR7L	1	3,07E-02	-3,36	-1,62	-2,26	Homo sapiens aldo-keto reductase family 7-like (AKR7L), transcript variant 1, non-coding RNA [NR_040288]
OBFC1	10	3,02E-04	-3,35	-1,19	-2,94	Homo sapiens oligonucleotide/oligo saccharide-binding fold containing 1 (OBFC1), mRNA [NM_024928]
41157	22	3,49E-04	-3,35	-1,08	-4,16	Homo sapiens septin 5 (SEPT5), transcript variant 2, mRNA [NM_001009939]
SPON2	4	1,84E-03	-3,35	-1,05	-2,87	Homo sapiens spondin 2, extracellular matrix protein (SPON2), transcript variant 1, mRNA [NM_012445]
	12	7,74E-04	-3,35	1,18	-3,29	Homo sapiens FP15331 mRNA, complete cds. [AF461897]
ARL14	3	7,53E-07	-3,34	-1,22	-2,78	Homo sapiens ADP-ribosylation factor-like 14 (ARL14), mRNA [NM_025047]
TGFBR3	1	3,03E-03	-3,34	1,21	-4,05	Homo sapiens transforming growth factor, beta receptor III (TGFBR3), transcript variant 1, mRNA [NM_003243]
IL20RA	6	3,67E-03	-3,34	-1,25	-3,46	Homo sapiens interleukin 20

						receptor, alpha (IL20RA), mRNA [NM_014432]
LOC145694	15	4,20E-03	-3,33	-1,12	-3,55	PREDICTED: Homo sapiens hypothetical LOC145694 (LOC145694), partial miscRNA [XR_109210]
MGAT3	22	4,90E-02	-3,33	-3,24	-2,82	Homo sapiens mannosyl (beta-1,4-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase (MGAT3), transcript variant 1, mRNA [NM_002409]
XLOC_014105	21	1,88E-05	-3,33	-1,13	-3,67	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
FAM181B	11	3,60E-05	-3,32	-1,01	-3,53	Homo sapiens family with sequence similarity 181, member B (FAM181B), mRNA [NM_175885]
NDRG4	16	4,80E-04	-3,31	1,07	-3,57	Homo sapiens NDRG family member 4 (NDRG4), transcript variant 3, mRNA [NM_022910]
VAV3	1	1,00E-02	-3,31	1,12	-3,25	Homo sapiens vav 3 guanine nucleotide exchange factor (VAV3), transcript variant 1, mRNA [NM_006113]
CBX7	22	1,54E-04	-3,31	-1,00	-2,54	Homo sapiens chromobox homolog 7 (CBX7), mRNA [NM_175709]
	6	1,51E-02	-3,31	-1,27	-2,99	lincRNA:chr6:154718233-154725333 forward strand
MT1X	16	2,84E-05	-3,30	-1,05	-3,85	Homo sapiens metallothionein 1X (MT1X), mRNA [NM_005952]
SLC1A1	9	2,46E-04	-3,30	1,09	-3,39	Homo sapiens solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1 (SLC1A1), mRNA [NM_004170]
BMF	15	1,27E-02	-3,30	-1,02	-4,11	Homo sapiens Bcl2 modifying factor (BMF), transcript variant 1, mRNA [NM_001003940]
C7orf41	7	2,13E-06	-3,29	1,05	-3,98	Homo sapiens chromosome 7 open reading frame 41 (C7orf41), mRNA [NM_152793]

HIST1H1A	6	6,77E-03	-3,29	1,10	-4,04	Homo sapiens histone cluster 1, H1a (HIST1H1A), mRNA [NM_005325]
PHEX	X	1,14E-03	-3,27	-1,05	-2,94	Homo sapiens phosphate regulating endopeptidase homolog, X-linked (PHEX), mRNA [NM_000444]
CLSPN	1	9,51E-03	-3,27	-1,26	-4,27	Homo sapiens claspin (CLSPN), transcript variant 1, mRNA [NM_022111]
RAB26	16	3,71E-03	-3,27	-1,05	-3,18	Homo sapiens RAB26, member RAS oncogene family (RAB26), mRNA [NM_014353]
FOXA2	20	1,54E-03	-3,27	-1,16	-3,27	Homo sapiens forkhead box A2 (FOXA2), transcript variant 1, mRNA [NM_021784]
	19	5,53E-04	-3,27	1,02	-3,15	lincRNA:chr19:56813358-56821819 forward strand
ROR1	1	3,16E-03	-3,27	-1,10	-4,51	receptor tyrosine kinase-like orphan receptor 1 [Source:HGNC Symbol;Acc:10256] [ENST00000371079]
WFDC5	20	5,21E-04	-3,27	-1,07	-3,09	Homo sapiens WAP four-disulfide core domain 5 (WFDC5), mRNA [NM_145652]
DST	6	4,33E-03	-3,27	1,14	-3,90	Homo sapiens dystonin (DST), transcript variant 1e, mRNA [NM_001723]
NLRP10	11	1,06E-03	-3,26	-1,71	-3,24	Homo sapiens NLR family, pyrin domain containing 10 (NLRP10), mRNA [NM_176821]
RGAG4	X	3,59E-03	-3,25	-1,18	-3,44	Homo sapiens retrotransposon gag domain containing 4 (RGAG4), mRNA [NM_001024455]
CLCN4	X	1,60E-04	-3,24	-1,19	-3,68	Homo sapiens chloride channel 4 (CLCN4), mRNA [NM_001830]
GPR125	4	1,28E-04	-3,23	-1,22	-4,08	Homo sapiens G protein-coupled receptor 125 (GPR125), mRNA [NM_145290]
	2	2,35E-03	-3,23	-2,55	-2,96	lincRNA:chr2:55848496-55861395 forward strand
NEXN	1	2,37E-03	-3,23	-1,03	-3,85	Homo sapiens nexilin (F actin binding protein) (NEXN), transcript variant 1, mRNA [NM_144573]

	1	1,32E-04	-3,22	-1,22	-4,54	lincRNA:chr1:200331904-200332270 reverse strand
C6orf225	6	8,51E-03	-3,21	1,00	-3,67	Homo sapiens chromosome 6 open reading frame 225 (C6orf225), mRNA [NM_001033564]
FAM155A	13	1,82E-02	-3,21	-3,49	-2,83	Homo sapiens family with sequence similarity 155, member A (FAM155A), mRNA [NM_001080396]
H2BFM	X	6,49E-03	-3,20	-1,09	-3,73	Homo sapiens H2B histone family, member M (H2BFM), mRNA [NM_001164416]
MFAP3L	4	1,35E-02	-3,19	1,06	-4,14	Homo sapiens microfibrillar-associated protein 3-like (MFAP3L), transcript variant 1, mRNA [NM_021647]
FAM69A	1	1,73E-04	-3,19	-1,18	-3,43	Homo sapiens family with sequence similarity 69, member A (FAM69A), mRNA [NM_001006605]
TBC1D8	2	2,41E-03	-3,19	-1,09	-3,71	Homo sapiens TBC1 domain family, member 8 (with GRAM domain) (TBC1D8), mRNA [NM_001102426]
CC2D2A	4	1,50E-03	-3,19	-1,02	-3,96	Homo sapiens coiled-coil and C2 domain containing 2A (CC2D2A), transcript variant 1, mRNA [NM_001080522]
TCEAL7	X	3,86E-04	-3,19	-1,18	-2,85	Homo sapiens transcription elongation factor A (SII)-like 7 (TCEAL7), mRNA [NM_152278]
NR2F2	15	4,43E-03	-3,19	-1,16	-3,54	Homo sapiens nuclear receptor subfamily 2, group F, member 2 (NR2F2), transcript variant 1, mRNA [NM_021005]
CDCA7	2	5,45E-03	-3,18	1,05	-4,25	Homo sapiens cell division cycle associated 7 (CDCA7), transcript variant 1, mRNA [NM_031942]
FRAT1	10	6,94E-06	-3,18	-1,10	-3,18	Homo sapiens frequently rearranged in advanced T-cell lymphomas (FRAT1), mRNA [NM_005479]
	6	7,83E-05	-3,18	1,21	-2,28	Homo sapiens cDNA FLJ30604 fis, clone

						CD34C2000152. [AK055166]
HSPB2	11	4,11E-03	-3,18	1,04	-2,72	Homo sapiens heat shock 27kDa protein 2 (HSPB2), mRNA [NM_001541]
DSCC1	8	1,02E-02	-3,18	1,04	-4,49	Homo sapiens defective in sister chromatid cohesion 1 homolog (S. cerevisiae) (DSCC1), mRNA [NM_024094]
TRIM2	4	6,34E-03	-3,18	-1,21	-2,35	Homo sapiens tripartite motif containing 2 (TRIM2), transcript variant 1, mRNA [NM_015271]
CYYR1	21	5,85E-04	-3,18	-1,03	-4,25	Homo sapiens cysteine/tyrosine-rich 1 (CYYR1), mRNA [NM_052954]
POM121L8P	22	4,39E-03	-3,18	-1,44	-2,59	Homo sapiens POM121 membrane glycoprotein-like 8 pseudogene (POM121L8P), non-coding RNA [NR_024583]
C4orf21	4	9,46E-04	-3,17	-1,19	-2,96	Homo sapiens chromosome 4 open reading frame 21 (C4orf21), mRNA [NM_018392]
FOXL2	3	3,53E-04	-3,17	-1,08	-3,45	Homo sapiens forkhead box L2 (FOXL2), mRNA [NM_023067]
NGFR	17	2,42E-03	-3,16	-1,18	-2,71	Homo sapiens nerve growth factor receptor (NGFR), mRNA [NM_002507]
D4S234E	4	6,07E-05	-3,16	-1,03	-3,32	Homo sapiens DNA segment on chromosome 4 (unique) 234 expressed sequence (D4S234E), transcript variant 1, mRNA [NM_014392]
SEMA5B	3	9,70E-04	-3,16	-1,15	-3,30	Homo sapiens sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5B (SEMA5B), transcript variant 1, mRNA [NM_001031702]
MID1	X	2,02E-04	-3,16	-1,04	-3,22	Homo sapiens midline 1 (Opitz/BBB syndrome) (MID1), transcript variant 1, mRNA [NM_000381]
C11orf45	11	4,00E-04	-3,15	1,19	-4,39	Homo sapiens

						chromosome 11 open reading frame 45 (C11orf45), mRNA [NM_145013]
FLJ42969	8	1,82E-02	-3,15	-1,90	-3,41	Homo sapiens hypothetical LOC441374 (FLJ42969), non-coding RNA [NR_033962]
DNASE1L3	3	2,64E-02	-3,15	-1,51	-2,58	Homo sapiens deoxyribonuclease I-like 3 (DNASE1L3), mRNA [NM_004944]
	11	2,60E-03	-3,14	-1,07	-2,72	chromosome 11 open reading frame 55 [Source:HGNC Symbol;Acc:23262] [ENST00000355500]
PDE5A	4	6,61E-04	-3,14	1,02	-3,62	Homo sapiens phosphodiesterase 5A, cGMP-specific (PDE5A), transcript variant 1, mRNA [NM_001083]
BMP4	14	1,99E-03	-3,14	-1,13	-4,04	Homo sapiens bone morphogenetic protein 4 (BMP4), transcript variant 1, mRNA [NM_001202]
MUC20	3	2,34E-02	-3,14	-1,61	-2,14	Homo sapiens mucin 20, cell surface associated (MUC20), transcript variant S, mRNA [NM_001098516]
AVPI1	10	9,65E-04	-3,13	-1,07	-3,24	Homo sapiens arginine vasopressin-induced 1 (AVPI1), mRNA [NM_021732]
	15	6,19E-04	-3,12	1,01	-3,20	lincRNA:chr15:25244172-25246747 forward strand
FAM59A	18	1,32E-04	-3,12	-1,13	-2,76	Homo sapiens family with sequence similarity 59, member A (FAM59A), transcript variant 2, mRNA [NM_022751]
	4	6,58E-03	-3,12	-1,16	-4,50	lincRNA:chr4:257555-258171 reverse strand
KRTAP4-8	17	2,78E-02	-3,12	-2,26	-3,38	Homo sapiens keratin associated protein 4-8 (KRTAP4-8), mRNA [NM_031960]
AFP	4	1,21E-02	-3,11	1,00	-3,48	Homo sapiens alpha-fetoprotein (AFP), mRNA [NM_001134]
DST	6	9,88E-04	-3,11	1,03	-3,86	Homo sapiens dystonin (DST), transcript variant 1e, mRNA [NM_001723]
	3	3,76E-02	-3,11	-1,11	-1,99	lincRNA:chr3:8615411-8634810 reverse strand
PSG5	19	2,25E-02	-3,10	1,10	-2,40	Homo sapiens pregnancy specific

						beta-1-glycoprotein 5 (PSG5), transcript variant 2, mRNA [NM_001130014]
ORC1	1	1,69E-03	-3,10	1,07	-3,38	Homo sapiens origin recognition complex, subunit 1 (ORC1), transcript variant 1, mRNA [NM_004153]
BCL11A	2	2,76E-03	-3,10	1,08	-2,53	Homo sapiens B-cell CLL/lymphoma 11A (zinc finger protein) (BCL11A), transcript variant 1, mRNA [NM_022893]
ANO8	19	5,66E-03	-3,10	-1,54	-3,08	Homo sapiens anoctamin 8 (ANO8), mRNA [NM_020959]
CHST9	18	3,57E-03	-3,09	-1,57	-3,92	Homo sapiens carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 9 (CHST9), mRNA [NM_031422]
BNIPL	1	1,29E-02	-3,09	-1,47	-2,32	Homo sapiens BCL2/adenovirus E1B 19kD interacting protein like (BNIPL), transcript variant 2, mRNA [NM_001159642]
	6	7,89E-03	-3,08	-1,26	-2,82	Homo sapiens mRNA; cDNA DKFZp686J1595 (from clone DKFZp686J1595) [BX538057]
LRRC20	10	4,62E-03	-3,08	-1,25	-2,60	Homo sapiens leucine rich repeat containing 20 (LRRC20), transcript variant 3, mRNA [NM_018205]
GPR125	4	8,40E-06	-3,08	1,01	-3,57	Homo sapiens G protein-coupled receptor 125 (GPR125), mRNA [NM_145290]
CTGF	6	5,39E-04	-3,07	-1,08	-2,84	Homo sapiens connective tissue growth factor (CTGF), mRNA [NM_001901]
STON2	14	1,21E-04	-3,07	-1,32	-3,41	Homo sapiens stonin 2 (STON2), mRNA [NM_033104]
ZNF503	10	4,38E-03	-3,07	-1,04	-3,48	Homo sapiens zinc finger protein 503 (ZNF503), mRNA [NM_032772]
C15orf62	15	2,03E-02	-3,07	-1,79	-1,84	Homo sapiens chromosome 15 open reading frame 62 (C15orf62), mRNA [NM_001130448]
PRIM1	12	1,86E-03	-3,07	-1,03	-3,75	Homo sapiens primase, DNA, polypeptide 1

						(49kDa) (PRIM1), mRNA [NM_000946]
FAT2	5	4,59E-03	-3,06	1,02	-3,57	Homo sapiens FAT tumor suppressor homolog 2 (Drosophila) (FAT2), mRNA [NM_001447]
	10	1,87E-02	-3,06	-1,30	-4,05	Homo sapiens mRNA; cDNA DKFZp781N1049 (from clone DKFZp781N1049). [CR627384]
DKK1	10	3,88E-03	-3,06	-1,28	-3,48	Homo sapiens dickkopf homolog 1 (Xenopus laevis) (DKK1), mRNA [NM_012242]
MCM6	2	1,90E-02	-3,05	1,03	-4,10	Homo sapiens minichromosome maintenance complex component 6 (MCM6), mRNA [NM_005915]
EVPLL	17	1,18E-02	-3,04	1,00	-2,85	Homo sapiens envoplakin-like (EVPLL), mRNA [NM_001145127]
PHACTR3	20	1,57E-04	-3,03	-1,17	-3,24	phosphatase and actin regulator 3 [Source:HGNC Symbol;Acc:15833] [ENST00000492611]
CDK14	7	6,91E-05	-3,03	1,01	-3,07	Homo sapiens cyclin-dependent kinase 14 (CDK14), mRNA [NM_012395]
LOC642366	5	1,87E-04	-3,03	-1,05	-3,11	PREDICTED: Homo sapiens hypothetical LOC642366 (LOC642366), miscRNA [XR_108597]
UNC5B	10	1,84E-03	-3,03	-1,20	-3,26	Homo sapiens unc-5 homolog B (C. elegans) (UNC5B), mRNA [NM_170744]
	15	9,86E-04	-3,03	-1,22	-3,38	lincRNA:chr15:25243173-25246729 forward strand
PRRT4	7	3,41E-02	-3,03	-1,23	-2,93	Homo sapiens proline-rich transmembrane protein 4 (PRRT4), transcript variant 1, mRNA [NM_001174164]
MTSS1L	16	8,59E-03	-3,02	-1,04	-3,27	Homo sapiens metastasis suppressor 1-like (MTSS1L), mRNA [NM_138383]
DGAT2	11	4,29E-03	-3,02	-1,39	-2,25	Homo sapiens diacylglycerol O-acyltransferase 2 (DGAT2), mRNA [NM_032564]
	4	2,69E-02	-3,02	-1,11	-3,30	lincRNA:chr4:6676128-6678414 forward

						strand
	5	6,50E-03	-3,01	-1,19	-3,02	lincRNA:chr5:53843293-53849793 forward strand
ZNF608	5	1,09E-03	-3,01	-1,12	-3,27	Homo sapiens zinc finger protein 608 (ZNF608), mRNA [NM_020747]
SATB1	3	7,55E-04	-3,01	1,04	-3,07	Homo sapiens SATB homeobox 1 (SATB1), transcript variant 1, mRNA [NM_002971]
		1,85E-02	-3,01	-2,91	-3,57	lincRNA:chr15:96788096-96828896 reverse strand
FLJ45831	17	1,81E-04	-3,00	-1,07	-3,70	PREDICTED: Homo sapiens hypothetical FLJ45831 (FLJ45831), miscRNA [XR_109367]
ACPP	3	4,38E-03	-3,00	-1,32	-2,93	Homo sapiens acid phosphatase, prostate (ACPP), transcript variant 1, mRNA [NM_001099]
	1	2,18E-03	-3,00	-1,02	-3,29	lincRNA:chr1:150587016-150587428 reverse strand
PTCH1	9	4,74E-03	-3,00	-1,04	-5,33	Homo sapiens patched 1 (PTCH1), transcript variant 1a, mRNA [NM_001083602]
MYBL1	8	5,68E-03	-3,00	-1,04	-3,92	Homo sapiens v-myb myeloblastosis viral oncogene homolog (avian)-like 1 (MYBL1), transcript variant 1, mRNA [NM_001080416]
LEF1	4	1,40E-02	-2,99	-1,02	-3,37	Homo sapiens lymphoid enhancer-binding factor 1 (LEF1), transcript variant 1, mRNA [NM_016269]
PAIP2B	2	2,63E-04	-2,99	-1,44	-2,49	Homo sapiens poly(A) binding protein interacting protein 2B (PAIP2B), mRNA [NM_020459]
CLCN4	X	4,76E-03	-2,99	-1,34	-2,66	Homo sapiens chloride channel 4 (CLCN4), mRNA [NM_001830]
HIST1H1D	6	1,74E-03	-2,98	-1,08	-3,06	Homo sapiens histone cluster 1, H1d (HIST1H1D), mRNA [NM_005320]
LOC100132057	1	4,77E-02	-2,98	1,30	-3,54	PREDICTED: Homo sapiens hypothetical LOC100505885 (LOC100505885), partial miscRNA [XR_110830]
HIST1H4E	6	2,36E-04	-2,98	-1,21	-3,68	Homo sapiens

						histone cluster 1, H4e (HIST1H4E), mRNA [NM_003545]
NEBL	10	2,58E-02	-2,98	-1,25	-2,24	Homo sapiens nebulette (NEBL), transcript variant 1, mRNA [NM_006393]
AFMID	17	2,34E-02	-2,97	-1,38	-2,19	Homo sapiens arylformamidase (AFMID), transcript variant 3, non-coding RNA [NR_027083]
XLOC_005810	6	2,86E-05	-2,97	1,11	-3,16	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
HIST1H2BF	6	1,81E-03	-2,96	-1,17	-3,09	Homo sapiens histone cluster 1, H2bf (HIST1H2BF), mRNA [NM_003522]
HSPA2	14	1,89E-04	-2,96	1,03	-3,07	Homo sapiens heat shock 70kDa protein 2 (HSPA2), mRNA [NM_021979]
RASSF6	4	3,85E-06	-2,95	-1,06	-3,29	Homo sapiens Ras association (RalGDS/AF-6) domain family member 6 (RASSF6), transcript variant 2, mRNA [NM_201431]
C7orf41	7	4,81E-05	-2,95	1,02	-3,43	Homo sapiens chromosome 7 open reading frame 41 (C7orf41), mRNA [NM_152793]
TLR5	1	2,53E-02	-2,95	1,20	-3,07	Homo sapiens toll-like receptor 5 (TLR5), mRNA [NM_003268]
FETUB	3	7,09E-03	-2,95	-2,51	-2,03	Homo sapiens fetuin B (FETUB), mRNA [NM_014375]
FLJ37453	1	4,12E-06	-2,95	-1,02	-3,33	Homo sapiens hypothetical LOC729614 (FLJ37453), non-coding RNA [NR_024279]
DKFZp434J0226	19	1,15E-02	-2,95	-1,42	-2,44	Homo sapiens hypothetical LOC93429 (DKFZp434J0226), non-coding RNA [NR_027003]
FBXL7	5	7,83E-04	-2,94	1,06	-2,78	Homo sapiens F-box and leucine-rich repeat protein 7 (FBXL7), mRNA [NM_012304]
ZNF551	19	1,68E-02	-2,94	-1,20	-2,09	Homo sapiens zinc finger protein 551 (ZNF551), mRNA [NM_138347]
CRABP2	1	2,38E-04	-2,94	-1,17	-2,65	Homo sapiens cellular retinoic acid binding protein 2

						(CRABP2), transcript variant 1, mRNA [NM_001878]
KREMEN2	16	5,79E-04	-2,94	1,04	-2,83	Homo sapiens kringle containing transmembrane protein 2 (KREMEN2), transcript variant 4, mRNA [NM_172229]
RECK	9	5,73E-03	-2,93	-1,17	-2,68	Homo sapiens reversion-inducing-cysteine-rich protein with kazal motifs (RECK), mRNA [NM_021111]
FAM27E3	9	4,09E-03	-2,93	-1,13	-3,66	PREDICTED: Homo sapiens family with sequence similarity 27, member E3 (FAM27E3), mRNA [XM_001720463]
STAC	3	7,90E-04	-2,93	-1,06	-2,47	Homo sapiens SH3 and cysteine rich domain (STAC), mRNA [NM_003149]
BNIPL	1	5,64E-03	-2,93	-1,29	-2,13	Homo sapiens BCL2/adenovirus E1B 19kD interacting protein like (BNIPL), transcript variant 1, mRNA [NM_138278]
XLOC_008823	10	1,08E-03	-2,92	-1,27	-3,60	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
RHOBTB2	8	1,79E-03	-2,92	-1,03	-3,24	Homo sapiens Rho-related BTB domain containing 2 (RHOBTB2), transcript variant 3, mRNA [NM_015178]
ATAD5	17	1,36E-02	-2,92	-1,14	-3,05	Homo sapiens ATPase family, AAA domain containing 5 (ATAD5), mRNA [NM_024857]
CERK	22	8,97E-06	-2,92	1,05	-3,17	Homo sapiens ceramide kinase (CERK), mRNA [NM_022766]
FAM172A	5	2,34E-05	-2,91	1,06	-2,95	Homo sapiens family with sequence similarity 172, member A (FAM172A), transcript variant 1, mRNA [NM_032042]
ST8SIA1	12	6,60E-03	-2,90	-1,51	-3,38	Homo sapiens ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 1 (ST8SIA1), mRNA [NM_003034]
ARHGEF26	3	2,09E-02	-2,90	-1,09	-1,82	Homo sapiens Rho guanine nucleotide exchange factor (GEF) 26

						(ARHGEF26), mRNA [NM_015595]
C3orf47	3	7,80E-04	-2,90	1,05	-3,12	Homo sapiens chromosome 3 open reading frame 47 (C3orf47), non-coding RNA [NR_026991]
NR2F1	5	9,65E-03	-2,90	1,25	-3,71	Homo sapiens nuclear receptor subfamily 2, group F, member 1 (NR2F1), mRNA [NM_005654]
GPNMB	7	1,40E-02	-2,89	-1,12	-2,54	Homo sapiens glycoprotein (transmembrane) nmb (GPNMB), transcript variant 1, mRNA [NM_001005340]
CTTNBP2	7	7,95E-04	-2,89	1,11	-5,14	Homo sapiens cortactin binding protein 2 (CTTNBP2), mRNA [NM_033427]
FZD1	7	3,87E-03	-2,89	-1,04	-3,54	Homo sapiens frizzled family receptor 1 (FZD1), mRNA [NM_003505]
ZNF214	11	4,46E-03	-2,89	-1,11	-2,76	Homo sapiens zinc finger protein 214 (ZNF214), mRNA [NM_013249]
C14orf128	14	1,60E-03	-2,88	1,04	-2,92	Homo sapiens chromosome 14 open reading frame 128 (C14orf128), non-coding RNA [NR_027263]
C16orf59	16	2,72E-03	-2,88	1,11	-3,47	Homo sapiens chromosome 16 open reading frame 59 (C16orf59), mRNA [NM_025108]
FBXO32	8	2,02E-03	-2,88	-1,35	-2,47	Homo sapiens F-box protein 32 (FBXO32), transcript variant 1, mRNA [NM_058229]
DBP	19	3,68E-02	-2,87	-1,46	-2,53	Homo sapiens D site of albumin promoter (albumin D-box) binding protein (DBP), mRNA [NM_001352]
KCNMA1	10	1,03E-02	-2,87	-1,19	-2,74	Homo sapiens potassium large conductance calcium-activated channel, subfamily M, alpha member 1 (KCNMA1), transcript variant 2, mRNA [NM_002247]
FAM69A	1	1,36E-04	-2,87	-1,05	-2,99	Homo sapiens family with sequence similarity 69, member A (FAM69A), mRNA [NM_001006605]

C2orf55	2	3,98E-03	-2,87	1,22	-2,53	Homo sapiens chromosome 2 open reading frame 55 (C2orf55), mRNA [NM_207362]
HS3ST2	16	3,42E-04	-2,87	-1,06	-3,33	Homo sapiens heparan sulfate (glucosamine) 3-O-sulfotransferase 2 (HS3ST2), mRNA [NM_006043]
KBTBD3	11	4,71E-04	-2,87	-1,03	-3,20	Homo sapiens kelch repeat and BTB (POZ) domain containing 3 (KBTBD3), transcript variant 2, mRNA [NM_198439]
SYN2	3	4,18E-02	-2,86	-1,11	-2,40	Homo sapiens synapsin II (SYN2), transcript variant IIa, mRNA [NM_133625]
LOC286367	9	1,00E-03	-2,86	1,02	-3,54	Homo sapiens FP944 (LOC286367), non-coding RNA [NR_024011]
PLXDC2	10	2,71E-03	-2,86	1,08	-2,43	Homo sapiens plexin domain containing 2 (PLXDC2), mRNA [NM_032812]
HIST1H3B	6	2,73E-03	-2,86	-1,16	-3,59	Homo sapiens histone cluster 1, H3b (HIST1H3B), mRNA [NM_003537]
	14	5,04E-03	-2,85	-1,01	-3,09	lincRNA:chr14:96548697-96561747 forward strand
WHSC1	4	4,85E-04	-2,85	-1,02	-3,38	Homo sapiens Wolf-Hirschhorn syndrome candidate 1 (WHSC1), transcript variant 7, mRNA [NM_133334]
TSHZ1	18	1,81E-03	-2,85	1,02	-2,58	Homo sapiens teashirt zinc finger homeobox 1 (TSHZ1), mRNA [NM_005786]
CUX2	12	4,37E-03	-2,84	-1,07	-3,67	Homo sapiens cut-like homeobox 2 (CUX2), mRNA [NM_015267]
INSR	19	4,01E-02	-2,84	-1,16	-3,40	Homo sapiens insulin receptor (INSR), transcript variant 1, mRNA [NM_000208]
PEG10	7	3,25E-04	-2,84	-1,14	-3,16	Homo sapiens paternally expressed 10 (PEG10), transcript variant 1, mRNA [NM_001040152]
ANKH	5	3,27E-04	-2,84	-1,00	-3,17	Homo sapiens ankylosis, progressive homolog (mouse) (ANKH), mRNA [NM_054027]
	14	2,12E-02	-2,84	-2,53	-3,73	lincRNA:chr14:66896

						649-66896875 reverse strand
	21	1,00E-04	-2,84	-1,03	-2,71	lincRNA:chr21:29817053-30047175 reverse strand
FAM201A	9	3,55E-03	-2,83	-1,03	-3,93	Homo sapiens family with sequence similarity 201, member A (FAM201A), non-coding RNA [NR_027294]
	3	2,21E-02	-2,83	-2,22	-3,16	lincRNA:chr3:170458139-170459154 forward strand
LOC653061	15	3,30E-03	-2,83	-1,54	-1,85	Homo sapiens golgin A8 family, member B pseudogene (LOC653061), non-coding RNA [NR_038843]
PHACTR3	20	1,08E-03	-2,83	-1,23	-2,97	Homo sapiens phosphatase and actin regulator 3 (PHACTR3), transcript variant 1, mRNA [NM_080672]
SNX31	8	6,77E-03	-2,82	-1,44	-2,38	Homo sapiens sorting nexin 31 (SNX31), mRNA [NM_152628]
C5AR1	19	3,68E-03	-2,82	1,23	-2,92	Homo sapiens complement component 5a receptor 1 (C5AR1), mRNA [NM_001736]
SHC3	9	7,24E-04	-2,82	1,12	-3,20	Homo sapiens SHC (Src homology 2 domain containing) transforming protein 3 (SHC3), mRNA [NM_016848]
C9orf93	9	5,52E-03	-2,82	1,67	-1,60	Homo sapiens chromosome 9 open reading frame 93 (C9orf93), mRNA [NM_173550]
PXMP2	12	1,79E-02	-2,82	-1,51	-2,65	Homo sapiens peroxisomal membrane protein 2, 22kDa, mRNA (cDNA clone IMAGE:4098463), complete cds. [BC009836]
LOC100128477	6	7,94E-03	-2,82	-1,05	-5,16	Homo sapiens cDNA FLJ16829 fis, clone UTERU3020583. [AK131572]
SOX4	6	5,67E-04	-2,82	1,10	-3,68	Homo sapiens SRY (sex determining region Y)-box 4 (SOX4), mRNA [NM_003107]
AQP6	12	2,70E-03	-2,82	-1,06	-2,26	Homo sapiens aquaporin 6, kidney specific (AQP6), mRNA [NM_001652]
BHLHE41	12	1,27E-02	-2,82	-1,05	-5,18	Homo sapiens basic

						helix-loop-helix family, member e41 (BHLHE41), mRNA [NM_030762]
HNRNPA0	5	1,76E-04	-2,82	-1,02	-3,48	Homo sapiens heterogeneous nuclear ribonucleoprotein A0 (HNRNPA0), mRNA [NM_006805]
AMOT	X	1,19E-03	-2,82	1,20	-2,47	Homo sapiens angiomotin (AMOT), transcript variant 2, mRNA [NM_133265]
GUCY1B3	4	2,22E-02	-2,81	-2,06	-1,70	Homo sapiens guanylate cyclase 1, soluble, beta 3 (GUCY1B3), mRNA [NM_000857]
MAGEH1	X	2,59E-04	-2,81	1,02	-3,32	Homo sapiens melanoma antigen family H, 1 (MAGEH1), mRNA [NM_014061]
LOC100129794	14	2,50E-02	-2,81	-1,09	-2,49	Homo sapiens hypothetical LOC100129794 (LOC100129794), non-coding RNA [NR_033240]
TGFB2	1	3,25E-02	-2,81	-1,13	-3,15	Homo sapiens transforming growth factor, beta 2 (TGFB2), transcript variant 2, mRNA [NM_003238]
GP1BB	22	1,11E-05	-2,80	-1,11	-2,70	Homo sapiens glycoprotein Ib (platelet), beta polypeptide (GP1BB), mRNA [NM_000407]
DFNB31	9	2,59E-02	-2,80	-1,27	-2,79	deafness, autosomal recessive 31 [Source:HGNC Symbol;Acc:16361] [ENST00000374057]
	12	9,67E-04	-2,80	1,01	-2,73	lincRNA:chr12:11325533-11330583 forward strand
ZNF681	19	3,91E-03	-2,80	1,10	-4,61	Homo sapiens zinc finger protein 681 (ZNF681), mRNA [NM_138286]
ELOVL6	4	1,55E-03	-2,79	1,26	-3,42	ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast) [Source:HGNC Symbol;Acc:15829] [ENST00000394607]
DEPDC7	11	1,14E-03	-2,79	1,00	-3,84	Homo sapiens DEP domain containing 7 (DEPDC7), transcript variant 2, mRNA [NM_139160]

	2	2,94E-03	-2,79	-3,01	-2,67	lincRNA:chr2:136988322-136990815 forward strand
DLEU1	13	2,80E-03	-2,79	-1,01	-3,16	Homo sapiens deleted in lymphocytic leukemia 1 (non-protein coding) (DLEU1), non-coding RNA [NR_002605]
CC2D2A	4	6,10E-04	-2,78	1,05	-3,25	Homo sapiens coiled-coil and C2 domain containing 2A (CC2D2A), transcript variant 1, mRNA [NM_001080522]
C14orf128	14	1,45E-03	-2,78	1,06	-2,70	Homo sapiens chromosome 14 open reading frame 128 (C14orf128), non-coding RNA [NR_027263]
IRS1	2	1,66E-03	-2,78	1,09	-3,65	Homo sapiens insulin receptor substrate 1 (IRS1), mRNA [NM_005544]
PSG8	19	3,35E-03	-2,78	-1,07	-2,77	Homo sapiens pregnancy specific beta-1-glycoprotein 8 (PSG8), transcript variant 1, mRNA [NM_182707]
ATG9B	7	4,64E-02	-2,78	-2,62	-2,29	Homo sapiens ATG9 autophagy related 9 homolog B (S. cerevisiae) (ATG9B), mRNA [NM_173681]
PAR-SN	15	8,70E-06	-2,78	-1,10	-2,78	Homo sapiens paternally expressed transcript PAR-SN (PAR-SN), non-coding RNA [NR_022011]
	5	8,14E-04	-2,77	-1,15	-2,61	lincRNA:chr5:127350725-127351188 reverse strand
HIST2H3A	1	1,19E-03	-2,77	-1,26	-3,76	Homo sapiens histone cluster 2, H3a (HIST2H3A), mRNA [NM_001005464]
GPER	7	2,10E-05	-2,77	-1,09	-3,61	Homo sapiens G protein-coupled estrogen receptor 1 (GPER), transcript variant 3, mRNA [NM_001039966]
FAM49A	2	3,52E-04	-2,77	-1,33	-2,45	Homo sapiens family with sequence similarity 49, member A (FAM49A), mRNA [NM_030797]
	1	1,32E-04	-2,76	1,00	-2,99	lincRNA:chr1:150582126-150591026 reverse strand
NGEF	2	1,76E-02	-2,76	-1,41	-2,26	Homo sapiens neuronal guanine nucleotide exchange

						factor (NGEF), transcript variant 1, mRNA [NM_019850]
PSG1	19	9,28E-04	-2,75	-1,07	-2,62	Homo sapiens pregnancy specific beta-1-glycoprotein 1 (PSG1), transcript variant 1, mRNA [NM_006905]
C5orf34	5	8,18E-03	-2,75	-1,13	-2,90	Homo sapiens chromosome 5 open reading frame 34 (C5orf34), mRNA [NM_198566]
AGPAT5	8	1,42E-04	-2,75	1,05	-3,43	Homo sapiens 1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidic acid acyltransferase, epsilon) (AGPAT5), mRNA [NM_018361]
AMIGO2	12	2,38E-04	-2,74	-1,15	-3,04	Homo sapiens adhesion molecule with Ig-like domain 2 (AMIGO2), transcript variant 2, mRNA [NM_181847]
ADORA2B	17	1,32E-03	-2,74	-1,00	-3,39	Homo sapiens adenosine A2b receptor (ADORA2B), mRNA [NM_000676]
CNGA1	4	1,56E-02	-2,74	-1,16	-2,53	Homo sapiens cyclic nucleotide gated channel alpha 1 (CNGA1), transcript variant 2, mRNA [NM_000087]
PP14571	2	1,25E-02	-2,74	-1,44	-2,26	Homo sapiens hypothetical LOC100130449 (PP14571), non-coding RNA [NR_024014]
CDC25A	3	5,92E-04	-2,74	-1,00	-3,32	Homo sapiens cell division cycle 25 homolog A (S. pombe) (CDC25A), transcript variant 1, mRNA [NM_001789]
GREB1L	18	4,73E-02	-2,73	-1,06	-2,82	Homo sapiens growth regulation by estrogen in breast cancer-like (GREB1L), mRNA [NM_001142966]
RASSF3	12	3,98E-02	-2,73	-1,54	-1,97	Homo sapiens Ras association (RalGDS/AF-6) domain family member 3 (RASSF3), transcript variant 1, mRNA [NM_178169]
RAD54L	1	7,48E-03	-2,73	-1,01	-4,05	Homo sapiens RAD54-like (S. cerevisiae) (RAD54L), transcript

						variant 1, mRNA [NM_003579]
FIGN	2	6,19E-04	-2,73	-1,12	-4,06	fidgetin [Source:HGNC Symbol;Acc:13285] [ENST00000333129]
ANKRD18A	9	2,93E-03	-2,73	-1,21	-2,49	Homo sapiens ankyrin repeat domain 18A (ANKRD18A), mRNA [NM_147195]
LMNB1	5	6,86E-03	-2,73	-1,07	-3,67	Homo sapiens lamin B1 (LMNB1), transcript variant 1, mRNA [NM_005573]
FAT3	11	3,68E-02	-2,73	-2,56	-2,76	Homo sapiens FAT tumor suppressor homolog 3 (Drosophila) (FAT3), mRNA [NM_001008781]
RHOBTB1	10	1,11E-04	-2,73	1,09	-3,25	Homo sapiens Rho-related BTB domain containing 1 (RHOBTB1), transcript variant 4, mRNA [NM_001242359]
XLOC_005810	6	1,82E-04	-2,72	-1,11	-2,52	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
HIST1H2AL	6	2,01E-02	-2,72	1,05	-3,52	Homo sapiens histone cluster 1, H2al (HIST1H2AL), mRNA [NM_003511]
AKR1C3	10	2,51E-04	-2,72	1,01	-2,63	Homo sapiens aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase, type II) (AKR1C3), mRNA [NM_003739]
	12	2,48E-02	-2,72	-1,53	-2,05	lincRNA:chr12:29473 89-2952675 forward strand
FAM13A	4	1,32E-03	-2,72	-1,11	-3,09	Homo sapiens family with sequence similarity 13, member A (FAM13A), transcript variant 1, mRNA [NM_014883]
SLC10A4	4	3,51E-02	-2,72	-1,44	-1,38	Homo sapiens solute carrier family 10 (sodium/bile acid cotransporter family), member 4 (SLC10A4), mRNA [NM_152679]
C15orf56	15	4,34E-02	-2,72	-1,41	-2,82	Homo sapiens chromosome 15 open reading frame 56 (C15orf56), mRNA [NM_001039905]
	12	1,38E-04	-2,71	1,10	-3,35	HUMPTHL parathyroid-like protein precursor

						{Homo sapiens} (exp=-1; wgp=0; cg=0), partial (11%) [THC2730443]
CNTRL	9	3,70E-02	-2,71	-1,19	-2,38	centrosomal protein 110kDa [Source:HGNC Symbol;Acc:1858] [ENST00000373844]
HPDL	1	2,53E-04	-2,71	-1,01	-2,95	Homo sapiens 4-hydroxyphenylpyruvate dioxygenase-like (HPDL), mRNA [NM_032756]
PIP5K1B	9	8,80E-03	-2,71	-1,47	-2,26	Homo sapiens phosphatidylinositol-4-phosphate 5-kinase, type I, beta (PIP5K1B), transcript variant 2, mRNA [NM_003558]
ISPD	7	1,26E-02	-2,71	-1,84	-3,11	Homo sapiens isoprenoid synthase domain containing (ISPD), transcript variant 1, mRNA [NM_001101426]
SAMD13	1	5,71E-04	-2,70	-1,14	-4,78	Homo sapiens sterile alpha motif domain containing 13 (SAMD13), transcript variant 1, mRNA [NM_001010971]
XLOC_011183	15	5,68E-04	-2,70	-1,18	-3,98	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
	15	2,32E-04	-2,69	1,15	-2,98	lincRNA:chr15:25245358-25247493 forward strand
LOC339240	17	8,61E-03	-2,69	-1,41	-2,23	Homo sapiens keratin pseudogene (LOC339240), non-coding RNA [NR_001443]
CPA4	7	1,38E-03	-2,69	-1,18	-2,06	Homo sapiens carboxypeptidase A4 (CPA4), transcript variant 1, mRNA [NM_016352]
GLCCI1	7	2,64E-03	-2,69	-1,18	-2,72	Homo sapiens glucocorticoid induced transcript 1 (GLCCI1), mRNA [NM_138426]
MAPT	17	3,08E-02	-2,69	1,03	-1,52	Homo sapiens microtubule-associated protein tau (MAPT), transcript variant 1, mRNA [NM_016835]
EFS	14	4,82E-03	-2,68	1,04	-2,70	Homo sapiens embryonal Fyn-associated substrate (EFS), transcript variant 1, mRNA [NM_005864]
LEKR1	3	3,17E-02	-2,68	-1,03	-2,26	Homo sapiens cDNA

						FLJ37161 fis, clone BRACE2026725. [AK094480]
SOBP	6	8,44E-04	-2,68	1,01	-3,02	Homo sapiens sine oculis binding protein homolog (Drosophila) (SOBP), mRNA [NM_018013]
XLOC_014105	21	2,89E-04	-2,68	-1,16	-3,25	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
PHLDB1	11	3,48E-04	-2,68	-1,11	-2,93	Homo sapiens pleckstrin homology-like domain, family B, member 1 (PHLDB1), transcript variant 1, mRNA [NM_015157]
	5	2,74E-02	-2,68	-1,96	-2,71	lincRNA:chr5:88390860-88394207 forward strand
HELLS	10	1,43E-02	-2,68	-1,03	-3,19	Homo sapiens helicase, lymphoid-specific (HELLS), mRNA [NM_018063]
	13	1,34E-03	-2,68	-1,37	-2,56	lincRNA:chr13:50656384-50681354 forward strand
AVPI1	10	2,70E-04	-2,67	-1,06	-2,24	Homo sapiens arginine vasopressin-induced 1 (AVPI1), mRNA [NM_021732]
FOXE1	9	2,51E-02	-2,67	-1,24	-2,79	Homo sapiens forkhead box E1 (thyroid transcription factor 2) (FOXE1), mRNA [NM_004473]
XLOC_012197	17	2,74E-03	-2,67	1,33	-2,71	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
ZNF90	19	6,71E-04	-2,67	1,06	-4,64	Homo sapiens zinc finger protein 90 (ZNF90), mRNA [NM_007138]
TTTY2	Y	1,99E-02	-2,67	-2,14	-2,24	Homo sapiens testis-specific transcript, Y-linked 2 (non-protein coding) (TTTY2), non-coding RNA [NR_001536]
C18orf54	18	1,31E-02	-2,67	1,13	-2,52	Homo sapiens chromosome 18 open reading frame 54 (C18orf54), mRNA [NM_173529]
LOC93622	4	3,52E-05	-2,67	1,10	-3,00	Homo sapiens hypothetical LOC93622 (LOC93622), non-coding RNA [NR_015433]
	14	1,81E-03	-2,67	-1,12	-2,77	lincRNA:chr14:96555696-96556712 forward strand
ZMAT3	3	1,94E-03	-2,67	1,09	-2,86	Homo sapiens zinc

						finger, matrin-type 3 (ZMAT3), transcript variant 1, mRNA [NM_022470]
PDLIM3	4	4,64E-02	-2,67	1,13	-2,30	Homo sapiens PDZ and LIM domain 3 (PDLIM3), transcript variant 1, mRNA [NM_014476]
MN1	22	1,67E-03	-2,67	1,10	-2,93	Homo sapiens meningioma (disrupted in balanced translocation) 1 (MN1), mRNA [NM_002430]
	14	1,80E-02	-2,66	-1,07	-3,15	lincRNA:chr14:96507172-96661947 forward strand
LOC283481	13	7,58E-03	-2,66	-1,03	-3,23	Homo sapiens hypothetical LOC283481 (LOC283481), non-coding RNA [NR_036487]
NFATC4	14	1,54E-03	-2,65	-1,01	-2,93	Homo sapiens nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4 (NFATC4), transcript variant 1, mRNA [NM_001136022]
HR	8	1,15E-02	-2,64	-1,16	-2,46	Homo sapiens hairless homolog (mouse) (HR), transcript variant 1, mRNA [NM_005144]
NSAP11	8	2,68E-02	-2,64	-1,46	-1,90	PREDICTED: Homo sapiens nervous system abundant protein 11 (NSAP11), miscRNA [XR_110862]
PITPNM3	17	9,08E-03	-2,64	-1,14	-2,47	Homo sapiens PITPNM family member 3 (PITPNM3), transcript variant 1, mRNA [NM_031220]
	10	3,19E-02	-2,64	-1,02	-2,26	Homo sapiens cDNA FLJ46692 fis, clone TRACH3012718. [AK128534]
ZNF248	10	4,33E-04	-2,64	1,17	-2,63	Homo sapiens zinc finger protein 248 (ZNF248), mRNA [NM_021045]
NDRG2	14	1,92E-02	-2,64	-1,47	-2,18	Homo sapiens NDRG family member 2 (NDRG2), transcript variant 1, mRNA [NM_201535]
BCL11A	2	1,91E-04	-2,63	-1,00	-3,02	Homo sapiens B-cell CLL/lymphoma 11A (zinc finger protein) (BCL11A), transcript variant 1, mRNA

						[NM_022893]
RTN4RL1	17	8,66E-05	-2,63	-1,07	-3,35	Homo sapiens reticulon 4 receptor-like 1 (RTN4RL1), mRNA [NM_178568]
CENPP	9	8,70E-04	-2,63	1,11	-2,56	Homo sapiens centromere protein P (CENPP), mRNA [NM_001012267]
PXMP4	20	5,34E-03	-2,63	1,05	-2,47	Homo sapiens peroxisomal membrane protein 4, 24kDa (PXMP4), transcript variant 1, mRNA [NM_007238]
	4	9,43E-06	-2,63	1,12	-2,86	lincRNA:chr4:6675180-6677772 forward strand
EPHB3	3	1,81E-03	-2,63	-1,23	-1,88	Homo sapiens EPH receptor B3 (EPHB3), mRNA [NM_004443]
SYTL4	X	1,56E-02	-2,63	-1,09	-2,66	Homo sapiens synaptotagmin-like 4 (SYTL4), transcript variant 1, mRNA [NM_080737]
SDPR	2	9,60E-03	-2,63	1,05	-2,68	Homo sapiens serum deprivation response (SDPR), mRNA [NM_004657]
C14orf132	14	3,89E-02	-2,62	1,08	-2,30	Homo sapiens chromosome 14 open reading frame 132 (C14orf132), non-coding RNA [NR_023938]
LRP2	2	1,41E-02	-2,62	-2,42	-4,69	Homo sapiens low density lipoprotein receptor-related protein 2 (LRP2), mRNA [NM_004525]
BRCA1	17	4,47E-03	-2,62	1,01	-3,21	Homo sapiens breast cancer 1, early onset (BRCA1), transcript variant 2, mRNA [NM_007300]
GPR1	2	3,24E-02	-2,62	-2,03	-3,55	Homo sapiens G protein-coupled receptor 1 (GPR1), transcript variant 1, mRNA [NM_005279]
THNSL1	10	1,71E-03	-2,62	1,03	-3,14	Homo sapiens threonine synthase-like 1 (S. cerevisiae) (THNSL1), mRNA [NM_024838]
IRX4	5	9,67E-05	-2,62	-1,04	-2,56	Homo sapiens iroquois homeobox 4 (IRX4), mRNA [NM_016358]
XLOC_005127	6	1,23E-02	-2,62	-2,10	-2,64	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
	19	6,67E-06	-2,61	1,03	-2,27	lincRNA:chr19:56806434-56816195 forward strand

MEIS2	15	3,85E-03	-2,61	1,04	-2,62	Homo sapiens Meis homeobox 2 (MEIS2), transcript variant a, mRNA [NM_170677]
	4	6,55E-03	-2,61	-1,14	-3,55	lincRNA:chr4:53579005-53580304 reverse strand
KIAA0114	4	5,48E-05	-2,61	1,07	-2,69	Homo sapiens KIAA0114 (KIAA0114), non-coding RNA [NR_024031]
	6	7,23E-03	-2,61	-1,25	-3,17	histone cluster 1, H2ai [Source:HGNC Symbol;Acc:4725] [ENST00000358739]
SPATA17	1	1,97E-02	-2,60	-1,22	-4,18	Homo sapiens spermatogenesis associated 17 (SPATA17), mRNA [NM_138796]
DDIT4L	4	9,88E-04	-2,59	-1,08	-3,59	Homo sapiens DNA-damage-inducible transcript 4-like, mRNA (cDNA clone MGC:9960 IMAGE:3877854), complete cds. [BC013592]
TMEM63C	14	3,92E-02	-2,59	-1,26	-2,07	Homo sapiens transmembrane protein 63C (TMEM63C), mRNA [NM_020431]
KCNK7	11	6,48E-03	-2,59	-1,10	-2,13	Homo sapiens potassium channel, subfamily K, member 7 (KCNK7), transcript variant C, mRNA [NM_005714]
	21	3,74E-04	-2,59	-1,01	-2,97	lincRNA:chr21:44751672-44819297 reverse strand
	4	1,13E-03	-2,58	-1,00	-2,59	lincRNA:chr4:90548934-90641190 forward strand
XLOC_006883	8	1,59E-03	-2,58	-1,24	-2,11	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
SNHG7	9	9,63E-05	-2,58	-1,13	-2,75	Homo sapiens small nucleolar RNA host gene 7 (non-protein coding) (SNHG7), transcript variant 2, non-coding RNA [NR_024542]
MAMLD1	X	6,43E-04	-2,58	-1,05	-2,66	Homo sapiens mastermind-like domain containing 1 (MAMLD1), transcript variant 2, mRNA [NM_005491]
FAM83D	20	2,11E-02	-2,58	-1,14	-3,65	Homo sapiens family with sequence similarity 83, member D (FAM83D), mRNA

						[NM_030919]
XRCC2	7	1,04E-05	-2,58	-1,05	-2,49	Homo sapiens X-ray repair complementing defective repair in Chinese hamster cells 2 (XRCC2), mRNA [NM_005431]
	11	1,36E-02	-2,58	-2,37	-5,01	lincRNA:chr11:120050990-120061540 forward strand
FLJ37453	1	2,12E-05	-2,58	1,03	-2,80	Homo sapiens hypothetical LOC729614 (FLJ37453), non-coding RNA [NR_024279]
GLS	2	1,24E-06	-2,57	1,06	-2,40	Homo sapiens glutaminase (GLS), nuclear gene encoding mitochondrial protein, mRNA [NM_014905]
HOXA3	7	6,33E-03	-2,57	1,05	-3,28	Homo sapiens homeobox A3 (HOXA3), transcript variant 2, mRNA [NM_153631]
	17_gl000205_random	1,09E-03	-2,56	-1,02	-2,65	Homo sapiens cDNA FLJ14761 fis, clone NT2RP3003302. [AK027667]
SAC3D1	11	5,18E-04	-2,56	1,08	-2,71	Homo sapiens SAC3 domain containing 1 (SAC3D1), mRNA [NM_013299]
SRRM3	7	4,53E-04	-2,56	-1,17	-1,78	Homo sapiens serine/arginine repetitive matrix 3 (SRRM3), mRNA [NM_001110199]
GATS	7	1,41E-03	-2,56	-1,09	-2,32	Homo sapiens GATS, stromal antigen 3 opposite strand (GATS), transcript variant 2, non-coding RNA [NR_028038]
DLK2	6	2,62E-03	-2,56	-1,07	-3,10	Homo sapiens delta-like 2 homolog (Drosophila) (DLK2), transcript variant 2, mRNA [NM_206539]
GPX8	5	2,50E-03	-2,55	-1,14	-2,77	Homo sapiens glutathione peroxidase 8 (putative) (GPX8), mRNA [NM_001008397]
CLIC3	9	2,33E-03	-2,55	-1,39	-2,15	Homo sapiens chloride intracellular channel 3 (CLIC3), mRNA [NM_004669]
XLOC_003303	3	4,55E-02	-2,55	-2,03	-1,55	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)

C9orf152	9	7,14E-03	-2,55	1,09	-1,94	Homo sapiens chromosome 9 open reading frame 152 (C9orf152), mRNA [NM_001012993]
FRY	13	8,19E-03	-2,55	-1,61	-2,63	Homo sapiens furry homolog (Drosophila) (FRY), mRNA [NM_023037]
C1orf135	1	6,24E-03	-2,54	1,03	-3,08	Homo sapiens chromosome 1 open reading frame 135 (C1orf135), mRNA [NM_024037]
	13	2,11E-03	-2,54	-1,17	-4,71	lincRNA:chr13:42615850-42621075 forward strand
EPOR	19	8,78E-05	-2,54	-1,06	-2,88	Homo sapiens erythropoietin receptor (EPOR), transcript variant 1, mRNA [NM_000121]
USH1G	17	3,33E-02	-2,53	-1,40	-2,00	Homo sapiens Usher syndrome 1G (autosomal recessive) (USH1G), mRNA [NM_173477]
RASSF10	11	7,18E-03	-2,53	-1,03	-3,06	Homo sapiens Ras association (RalGDS/AF-6) domain family (N-terminal) member 10 (RASSF10), mRNA [NM_001080521]
C4orf21	4	2,83E-03	-2,53	-1,07	-4,77	chromosome 4 open reading frame 21 [Source:HGNC Symbol;Acc:25654] [ENST00000264370]
PHLDB1	11	1,85E-04	-2,53	-1,10	-2,79	Homo sapiens pleckstrin homology-like domain, family B, member 1 (PHLDB1), transcript variant 1, mRNA [NM_015157]
DPY19L2P2	7	2,53E-02	-2,53	-1,87	-2,12	Homo sapiens dpy-19-like 2 pseudogene 2 (C. elegans) (DPY19L2P2), transcript variant 2, non-coding RNA [NR_003561]
TACC2	10	1,17E-02	-2,52	-1,07	-2,42	Homo sapiens transforming, acidic coiled-coil containing protein 2 (TACC2), transcript variant 1, mRNA [NM_206862]
CRYAB	11	8,64E-03	-2,52	-1,26	-1,95	Homo sapiens crystallin, alpha B (CRYAB), mRNA [NM_001885]
MLPH	2	1,89E-02	-2,52	-1,12	-1,88	Homo sapiens melanophilin (MLPH), transcript variant 1, mRNA [NM_024101]

PADI3	1	1,85E-02	-2,52	-1,10	-2,92	Homo sapiens peptidyl arginine deiminase, type III (PADI3), mRNA [NM_016233]
GHR	5	1,41E-02	-2,52	1,13	-3,39	Homo sapiens growth hormone receptor (GHR), transcript variant 1, mRNA [NM_000163]
COL9A1	6	1,89E-02	-2,52	-1,48	-1,92	Homo sapiens collagen, type IX, alpha 1 (COL9A1), transcript variant 1, mRNA [NM_001851]
XLOC_012197	17	1,15E-03	-2,52	1,12	-2,71	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
XLOC_005583	6	2,71E-02	-2,52	-1,81	-2,07	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
IRS1	2	8,56E-04	-2,52	-1,02	-3,23	Homo sapiens insulin receptor substrate 1 (IRS1), mRNA [NM_005544]
USP13	3	9,32E-05	-2,52	-1,23	-2,84	Homo sapiens ubiquitin specific peptidase 13 (isopeptidase T-3) (USP13), mRNA [NM_003940]
ABCA12	2	2,70E-03	-2,51	-1,19	-2,52	Homo sapiens ATP-binding cassette, sub-family A (ABC1), member 12 (ABCA12), transcript variant 1, mRNA [NM_173076]
PCDHAC2	5	4,93E-02	-2,51	-1,37	-2,76	Homo sapiens protocadherin alpha subfamily C, 2 (PCDHAC2), transcript variant 2, mRNA [NM_031883]
C6orf154	6	2,00E-02	-2,51	-1,01	-2,94	Homo sapiens chromosome 6 open reading frame 154 (C6orf154), mRNA [NM_001012974]
SIRT4	12	2,11E-02	-2,50	-1,10	-1,99	Homo sapiens sirtuin 4 (SIRT4), mRNA [NM_012240]
LOC400027	12	5,97E-06	-2,50	-1,05	-2,57	Homo sapiens hypothetical LOC400027 (LOC400027), non-coding RNA [NR_028408]
WNT5B	12	1,10E-03	-2,50	-1,12	-2,74	Homo sapiens wingless-type MMTV integration site family, member 5B (WNT5B), transcript variant 2, mRNA [NM_030775]

KCNS1	20	1,35E-06	-2,50	1,07	-3,93	Homo sapiens potassium voltage-gated channel, delayed-rectifier, subfamily S, member 1 (KCNS1), mRNA [NM_002251]
CCDC30	1	4,96E-02	-2,50	-1,28	-2,00	Homo sapiens coiled-coil domain containing 30 (CCDC30), mRNA [NM_001080850]
JMJD7-PLA2G4B	15	1,46E-02	-2,50	-1,51	-1,71	Homo sapiens JMJD7-PLA2G4B readthrough (JMJD7-PLA2G4B), transcript variant 1, mRNA [NM_005090]
ARHGAP29	1	4,18E-03	-2,50	-1,79	-3,83	Rho GTPase activating protein 29 [Source:HGNC Symbol;Acc:30207] [ENST00000370217]
KCNAB1	3	2,70E-02	-2,50	-1,49	-1,18	Homo sapiens potassium voltage-gated channel, shaker-related subfamily, beta member 1 (KCNAB1), transcript variant 2, mRNA [NM_003471]
	7	6,95E-04	-2,50	-1,08	-2,35	lincRNA:chr7:80756989-80894339 forward strand
	21	1,09E-03	-2,50	-1,04	-3,10	lincRNA:chr21:29817053-30047175 reverse strand
SRSF12	6	1,09E-02	-2,50	1,22	-2,39	Homo sapiens serine/arginine-rich splicing factor 12 (SRSF12), mRNA [NM_080743]
SCN4B	11	6,28E-03	-2,50	1,06	-2,73	Homo sapiens sodium channel, voltage-gated, type IV, beta (SCN4B), transcript variant 1, mRNA [NM_174934]
POLE2	14	3,37E-02	-2,49	1,01	-3,08	Homo sapiens polymerase (DNA directed), epsilon 2 (p59 subunit) (POLE2), transcript variant 1, mRNA [NM_002692]
FAM27A	9	8,30E-04	-2,49	1,03	-2,66	Homo sapiens family with sequence similarity 27, member A (FAM27A), non-coding RNA [NR_024060]
SKA3	13	1,18E-02	-2,49	-1,16	-3,43	Homo sapiens spindle and kinetochore associated complex subunit 3 (SKA3), transcript variant 1, mRNA [NM_145061]

UBN2	7	2,60E-03	-2,49	-1,22	-3,04	Homo sapiens ubinuclein 2 (UBN2), mRNA [NM_173569]
FRAT2	10	2,46E-04	-2,49	1,02	-2,71	Homo sapiens frequently rearranged in advanced T-cell lymphomas 2 (FRAT2), mRNA [NM_012083]
MSH6	2	2,67E-03	-2,49	1,03	-2,90	Homo sapiens mutS homolog 6 (E. coli) (MSH6), mRNA [NM_000179]
PBX1	1	3,04E-02	-2,49	1,02	-2,48	Homo sapiens pre-B-cell leukemia homeobox 1 (PBX1), transcript variant 1, mRNA [NM_002585]
HIST1H3H	6	5,13E-03	-2,49	-1,22	-3,31	Homo sapiens histone cluster 1, H3h (HIST1H3H), mRNA [NM_003536]
SYDE2	1	1,68E-05	-2,48	-1,07	-2,73	synapse defective 1, Rho GTPase, homolog 2 (C. elegans) [Source:HGNC Symbol;Acc:25841] [ENST00000234668]
	2	2,81E-04	-2,48	1,10	-2,22	ribosomal protein L23a pseudogene 7 [Source:HGNC Symbol;Acc:17336] [ENST00000416673]
CABLES1	18	1,90E-05	-2,48	-1,02	-2,66	Homo sapiens Cdk5 and Abl enzyme substrate 1 (CABLES1), transcript variant 1, mRNA [NM_138375]
	21	7,94E-04	-2,48	1,05	-2,82	lincRNA:chr21:44751672-44819297 reverse strand
TIGD2	4	9,55E-05	-2,48	-1,06	-2,83	Homo sapiens tigger transposable element derived 2 (TIGD2), mRNA [NM_145715]
	3	1,04E-03	-2,48	-1,60	-2,11	lincRNA:chr3:182651981-182660175 reverse strand
	1	1,57E-03	-2,48	-1,19	-3,22	full-length cDNA clone CS0DB007YO17 of Neuroblastoma Cot 10-normalized of Homo sapiens (human). [CR621509]
ABLIM3	5	1,63E-03	-2,48	-1,21	-2,06	Homo sapiens actin binding LIM protein family, member 3 (ABLIM3), mRNA [NM_014945]
EAF2	3	5,96E-06	-2,47	1,00	-2,15	Homo sapiens ELL associated factor 2 (EAF2), mRNA [NM_018456]

SLC25A27	6	3,95E-02	-2,47	-1,17	-2,47	Homo sapiens solute carrier family 25, member 27 (SLC25A27), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_004277]
CENPF	1	1,33E-02	-2,47	-1,34	-4,03	Homo sapiens centromere protein F, 350/400kDa (mitosin) (CENPF), mRNA [NM_016343]
CDCA5	11	1,28E-02	-2,47	1,02	-3,43	Homo sapiens cell division cycle associated 5 (CDCA5), mRNA [NM_080668]
PHF17	4	9,14E-04	-2,47	-1,06	-2,86	Homo sapiens PHD finger protein 17 (PHF17), transcript variant S, mRNA [NM_024900]
HIST1H4L	6	7,67E-04	-2,47	-1,17	-2,83	Homo sapiens histone cluster 1, H4l (HIST1H4L), mRNA [NM_003546]
RRM2	2	4,74E-02	-2,47	1,19	-3,16	Homo sapiens ribonucleotide reductase M2 (RRM2), transcript variant 2, mRNA [NM_001034]
FAM27A	9	8,17E-04	-2,46	-1,07	-2,83	Homo sapiens family with sequence similarity 27, member A (FAM27A), non-coding RNA [NR_024060]
OSGEPL1	2	1,31E-02	-2,46	-1,02	-2,61	Homo sapiens O-sialoglycoprotein endopeptidase-like 1 (OSGEPL1), mRNA [NM_022353]
	8	2,86E-02	-2,46	-1,11	-2,63	lincRNA:chr8:52777597-52786597 forward strand
SYT14	1	3,66E-02	-2,46	-1,30	-1,97	Homo sapiens synaptotagmin XIV (SYT14), transcript variant 1, mRNA [NM_001146261]
GDPD3	16	3,48E-02	-2,46	-1,55	-1,89	Homo sapiens glycerophosphodiester phosphodiesterase domain containing 3 (GDPD3), mRNA [NM_024307]
	9	1,33E-03	-2,46	-1,02	-3,63	lincRNA:chr9:14316575-14324575 reverse strand
	3	2,70E-04	-2,46	-1,32	-1,67	lincRNA:chr3:182654047-182654351 reverse strand

TP53AIP1	11	1,68E-03	-2,45	1,16	-2,26	Homo sapiens tumor protein p53 regulated apoptosis inducing protein 1 (TP53AIP1), transcript variant 2, mRNA [NM_001195195]
AJAP1	1	2,39E-03	-2,45	-1,14	-3,22	Homo sapiens adherens junctions associated protein 1 (AJAP1), transcript variant 2, mRNA [NM_001042478]
KLHL13	X	1,24E-02	-2,45	-1,12	-3,45	Homo sapiens kelch-like 13 (Drosophila) (KLHL13), transcript variant 1, mRNA [NM_033495]
SCTR	2	4,29E-02	-2,45	-1,72	-1,43	Homo sapiens secretin receptor (SCTR), mRNA [NM_002980]
LTC4S	5	1,04E-03	-2,45	-1,35	-2,35	Homo sapiens leukotriene C4 synthase (LTC4S), mRNA [NM_145867]
ABHD6	3	1,10E-02	-2,44	-1,09	-2,27	Homo sapiens abhydrolase domain containing 6 (ABHD6), mRNA [NM_020676]
SCN2B	11	7,34E-03	-2,44	1,02	-2,39	Homo sapiens sodium channel, voltage-gated, type II, beta (SCN2B), mRNA [NM_004588]
STRA6	15	1,99E-02	-2,44	-1,40	-1,56	Homo sapiens stimulated by retinoic acid gene 6 homolog (mouse) (STRA6), transcript variant 5, mRNA [NM_001142620]
NDRG2	14	3,62E-02	-2,44	-1,45	-2,04	Homo sapiens NDRG family member 2 (NDRG2), transcript variant 1, mRNA [NM_201535]
XLOC_007249	8	2,57E-03	-2,44	1,01	-2,56	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
C12orf36	12	1,62E-02	-2,44	-1,53	-1,66	Homo sapiens chromosome 12 open reading frame 36 (C12orf36), non-coding RNA [NR_036555]
CDR2L	17	8,40E-03	-2,44	-1,01	-2,30	Homo sapiens cerebellar degeneration-related protein 2-like (CDR2L), mRNA [NM_014603]
PDGFC	4	1,79E-03	-2,44	1,00	-2,72	Homo sapiens platelet derived growth factor C

						(PDGFC), transcript variant 1, mRNA [NM_016205]
WDR76	15	2,77E-03	-2,44	1,10	-2,62	Homo sapiens WD repeat domain 76 (WDR76), transcript variant 1, mRNA [NM_024908]
ZNF30	19	6,28E-03	-2,44	1,09	-3,22	Homo sapiens zinc finger protein 30 (ZNF30), transcript variant 3, mRNA [NM_194325]
SALL3	18	2,57E-02	-2,44	-1,27	-1,17	Homo sapiens sal-like 3 (Drosophila) (SALL3), mRNA [NM_171999]
DSEL	18	2,91E-04	-2,43	-1,32	-2,57	Homo sapiens dermatan sulfate epimerase-like (DSEL), mRNA [NM_032160]
SLC16A5	17	1,84E-03	-2,43	-1,11	-2,52	Homo sapiens solute carrier family 16, member 5 (monocarboxylic acid transporter 6) (SLC16A5), mRNA [NM_004695]
C11orf82	11	1,52E-02	-2,43	-1,02	-3,01	Homo sapiens chromosome 11 open reading frame 82 (C11orf82), mRNA [NM_145018]
PLA2G12A	4	1,97E-03	-2,43	1,04	-2,46	Homo sapiens phospholipase A2, group XIIA (PLA2G12A), mRNA [NM_030821]
IMPA2	18	3,91E-03	-2,43	1,11	-2,20	Homo sapiens inositol(myo)-1(or 4)-monophosphatase 2 (IMPA2), mRNA [NM_014214]
RFC3	13	2,99E-02	-2,43	-1,08	-2,95	Homo sapiens replication factor C (activator 1) 3, 38kDa (RFC3), transcript variant 2, mRNA [NM_181558]
THRB	3	1,72E-02	-2,43	-1,75	-2,35	Homo sapiens thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2, avian) (THRB), transcript variant 3, mRNA [NM_001128177]
ABLIM3	5	1,26E-02	-2,43	-1,40	-1,83	Homo sapiens actin binding LIM protein family, member 3 (ABLIM3), mRNA [NM_014945]
NCRNA00292	1	1,93E-03	-2,43	1,20	-2,52	Homo sapiens non-protein coding RNA 292 (NCRNA00292),

						transcript variant 2, non-coding RNA [NR_027286]
PDGFA	7	9,77E-04	-2,43	-1,05	-2,75	Homo sapiens platelet-derived growth factor alpha polypeptide (PDGFA), transcript variant 2, mRNA [NM_033023]
GINS2	16	2,20E-02	-2,43	1,05	-2,81	Homo sapiens GINS complex subunit 2 (Psf2 homolog) (GINS2), mRNA [NM_016095]
VASN	16	2,04E-02	-2,43	-1,51	-1,93	Homo sapiens vasorin (VASN), mRNA [NM_138440]
ABCB6	2	1,61E-03	-2,43	-1,05	-2,70	Homo sapiens ATP-binding cassette, sub-family B (MDR/TAP), member 6 (ABCB6), nuclear gene encoding mitochondrial protein, mRNA [NM_005689]
MITF	3	1,17E-03	-2,42	-1,07	-2,44	Homo sapiens microphthalmia-associated transcription factor (MITF), transcript variant 1, mRNA [NM_198159]
LOC285141	2	3,47E-03	-2,42	1,07	-1,98	PREDICTED: Homo sapiens hypothetical protein LOC285141 (LOC285141), mRNA [XM_001714892]
LOC339988	4	1,30E-04	-2,42	-1,19	-2,18	Homo sapiens cDNA clone IMAGE:5217034. [BC041468]
CYP2U1	4	2,98E-02	-2,42	-1,09	-2,19	Homo sapiens cytochrome P450, family 2, subfamily U, polypeptide 1 (CYP2U1), mRNA [NM_183075]
NEK2	1	2,29E-02	-2,42	-1,17	-2,31	Homo sapiens NIMA (never in mitosis gene a)-related kinase 2 (NEK2), transcript variant 1, mRNA [NM_002497]
HIST1H3H	6	3,65E-02	-2,42	-1,33	-2,21	Homo sapiens histone cluster 1, H3h (HIST1H3H), mRNA [NM_003536]
FLJ45482	7_gl000195_random	1,15E-02	-2,42	-1,22	-2,71	Homo sapiens cDNA FLJ45482 fis, clone BRTHA2001953. [AK127393]
CEP68	2	2,58E-03	-2,42	-1,06	-5,03	centrosomal protein 68kDa [Source:HGNC Symbol;Acc:29076] [ENST00000537589]

RAD54B	8	2,50E-02	-2,42	1,07	-2,74	Homo sapiens RAD54 homolog B (S. cerevisiae) (RAD54B), transcript variant 1, mRNA [NM_012415]
ESCO2	8	1,85E-02	-2,42	1,16	-3,13	Homo sapiens establishment of cohesion 1 homolog 2 (S. cerevisiae) (ESCO2), mRNA [NM_001017420]
NT5DC2	3	8,03E-06	-2,41	1,04	-2,70	Homo sapiens 5'-nucleotidase domain containing 2 (NT5DC2), transcript variant 2, mRNA [NM_022908]
CERS1	19	2,70E-03	-2,41	-1,07	-2,39	Homo sapiens ceramide synthase 1 (CERS1), transcript variant 2, mRNA [NM_198207]
BARX2	11	1,13E-03	-2,41	-1,05	-3,12	Homo sapiens BARX homeobox 2 (BARX2), mRNA [NM_003658]
FAM171A1	10	8,71E-05	-2,40	1,06	-2,55	Homo sapiens family with sequence similarity 171, member A1 (FAM171A1), mRNA [NM_001010924]
NDC80	18	3,53E-02	-2,40	-1,05	-3,24	Homo sapiens NDC80 homolog, kinetochore complex component (S. cerevisiae) (NDC80), mRNA [NM_006101]
MCM5	22	9,47E-03	-2,40	1,05	-2,51	Homo sapiens minichromosome maintenance complex component 5 (MCM5), mRNA [NM_006739]
VSIG10	12	8,03E-05	-2,40	-1,15	-2,50	Homo sapiens V-set and immunoglobulin domain containing 10 (VSIG10), mRNA [NM_019086]
	18	4,14E-02	-2,40	-2,47	-2,60	lincRNA:chr18:22513427-22567638 reverse strand
BEND3	6	2,58E-04	-2,40	-1,01	-3,06	Homo sapiens BEN domain containing 3 (BEND3), mRNA [NM_001080450]
KLHL31	6	1,15E-02	-2,40	-1,21	-1,93	Homo sapiens kelch-like 31 (Drosophila) (KLHL31), mRNA [NM_001003760]
CCDC13	3	4,37E-02	-2,40	-1,19	-1,32	Homo sapiens coiled-coil domain containing 13 (CCDC13), mRNA [NM_144719]
HIST1H4D	6	1,09E-03	-2,40	-1,10	-2,73	Homo sapiens histone cluster 1, H4d (HIST1H4D),

						mRNA [NM_003539]
CREG2	2	5,44E-03	-2,39	1,01	-2,27	Homo sapiens cellular repressor of E1A-stimulated genes 2 (CREG2), mRNA [NM_153836]
NCAPG	4	1,90E-02	-2,39	-1,26	-2,81	Homo sapiens non-SMC condensin I complex, subunit G (NCAPG), mRNA [NM_022346]
ERCC6L	X	2,75E-03	-2,39	-1,03	-3,25	Homo sapiens excision repair cross-complementing rodent repair deficiency, complementation group 6-like (ERCC6L), mRNA [NM_017669]
PHF17	4	4,22E-04	-2,38	-1,01	-2,88	Homo sapiens PHD finger protein 17 (PHF17), transcript variant L, mRNA [NM_199320]
MCM2	3	7,90E-03	-2,38	1,09	-2,37	Homo sapiens minichromosome maintenance complex component 2 (MCM2), mRNA [NM_004526]
FAM43B	1	1,80E-02	-2,38	1,15	-3,32	Homo sapiens family with sequence similarity 43, member B (FAM43B), mRNA [NM_207334]
KAL1	X	3,03E-04	-2,38	1,16	-2,36	Homo sapiens Kallmann syndrome 1 sequence (KAL1), mRNA [NM_000216]
PPARGC1B	5	2,32E-02	-2,38	-1,05	-2,49	Homo sapiens peroxisome proliferator-activated receptor gamma, coactivator 1 beta (PPARGC1B), transcript variant 1, mRNA [NM_133263]
SMOC1	14	1,55E-03	-2,38	-1,14	-2,14	Homo sapiens SPARC related modular calcium binding 1 (SMOC1), transcript variant 1, mRNA [NM_001034852]
HIST1H4A	6	4,57E-04	-2,38	-1,19	-2,75	Homo sapiens histone cluster 1, H4a (HIST1H4A), mRNA [NM_003538]
LRP4	11	3,80E-03	-2,37	1,06	-2,39	Homo sapiens low density lipoprotein receptor-related protein 4 (LRP4), mRNA [NM_002334]
IMPA2	18	2,96E-03	-2,37	1,07	-2,21	Homo sapiens inositol(myo)-1(or 4)-monophosphatase 2 (IMPA2), mRNA [NM_014214]

LOC400891	22	3,18E-03	-2,37	-1,19	-2,06	Homo sapiens chromosome 14 open reading frame 166B pseudogene (LOC400891), non-coding RNA [NR_027006]
LOC100216001	10	2,21E-06	-2,37	-1,08	-3,24	Homo sapiens hypothetical LOC100216001 (LOC100216001), non-coding RNA [NR_024475]
WDHD1	14	6,33E-03	-2,37	1,01	-2,66	Homo sapiens WD repeat and HMG-box DNA binding protein 1 (WDHD1), transcript variant 1, mRNA [NM_007086]
TPM1	15	5,55E-04	-2,37	-1,11	-2,28	Homo sapiens tropomyosin 1 (alpha) (TPM1), transcript variant 3, mRNA [NM_001018004]
NAP1L5	4	2,18E-04	-2,37	-1,05	-2,33	Homo sapiens nucleosome assembly protein 1-like 5 (NAP1L5), mRNA [NM_153757]
STON1-GTF2A1L	2	2,69E-02	-2,37	1,26	-2,47	Homo sapiens STON1-GTF2A1L readthrough (STON1-GTF2A1L), transcript variant 1, mRNA [NM_172311]
LOC283624	14	1,16E-02	-2,37	-1,00	-3,03	Homo sapiens hypothetical LOC283624 (LOC283624), transcript variant 1, non-coding RNA [NR_038970]
LOC729860	11	5,26E-04	-2,36	1,11	-2,86	Homo sapiens cDNA FLJ41667 fis, clone FEBRA2028366. [AK123661]
C3orf18	3	8,56E-04	-2,36	-1,04	-2,43	Homo sapiens chromosome 3 open reading frame 18 (C3orf18), transcript variant 1, mRNA [NM_016210]
KCNMB4	12	2,11E-03	-2,36	1,05	-2,31	Homo sapiens potassium large conductance calcium-activated channel, subfamily M, beta member 4 (KCNMB4), mRNA [NM_014505]
SLC29A3	10	5,66E-05	-2,36	-1,08	-2,15	Homo sapiens solute carrier family 29 (nucleoside transporters), member 3 (SLC29A3), transcript variant 1, mRNA [NM_018344]

CDC25C	5	4,48E-03	-2,36	1,00	-3,13	Homo sapiens cell division cycle 25 homolog C (S. pombe) (CDC25C), transcript variant 1, mRNA [NM_001790]
KRTAP19-1	21	3,19E-04	-2,36	-1,17	-2,55	Homo sapiens keratin associated protein 19-1 (KRTAP19-1), mRNA [NM_181607]
ASPM	1	2,16E-02	-2,35	-1,10	-3,32	Homo sapiens asp (abnormal spindle) homolog, microcephaly associated (Drosophila) (ASPM), transcript variant 1, mRNA [NM_018136]
SPC25	2	2,42E-02	-2,35	1,02	-2,91	Homo sapiens SPC25, NDC80 kinetochore complex component, homolog (S. cerevisiae) (SPC25), mRNA [NM_020675]
MOSC1	1	2,26E-04	-2,35	1,02	-2,62	Homo sapiens MOCO sulphurase C-terminal domain containing 1 (MOSC1), nuclear gene encoding mitochondrial protein, mRNA [NM_022746]
NEK10	3	4,54E-03	-2,35	-1,38	-2,87	NIMA (never in mitosis gene a)-related kinase 10 [Source:HGNC Symbol;Acc:18592] [ENST00000383770]
EPB41L3	18	3,64E-03	-2,35	-1,36	-1,87	Homo sapiens erythrocyte membrane protein band 4.1-like 3 (EPB41L3), mRNA [NM_012307]
HIST1H2AI	6	4,91E-03	-2,35	-1,13	-3,44	Homo sapiens histone cluster 1, H2ai (HIST1H2AI), mRNA [NM_003509]
PTPLB	3	1,71E-04	-2,35	-1,20	-2,13	Homo sapiens protein tyrosine phosphatase-like (proline instead of catalytic arginine), member b (PTPLB), mRNA [NM_198402]
OPHN1	X	1,49E-02	-2,35	-1,28	-2,59	Homo sapiens oligophrenin 1 (OPHN1), mRNA [NM_002547]
TRAM2	6	1,52E-03	-2,35	-1,04	-2,31	Homo sapiens translocation associated membrane protein 2 (TRAM2), mRNA [NM_012288]
C19orf73	19	4,41E-05	-2,35	-1,05	-2,59	Homo sapiens

						chromosome 19 open reading frame 73 (C19orf73), mRNA [NM_018111]
	19	7,05E-03	-2,35	-1,06	-2,97	lincRNA:chr19:11762275-11767738 forward strand
DIP2C	10	4,60E-02	-2,35	-1,11	-3,56	Homo sapiens DIP2 disco-interacting protein 2 homolog C (Drosophila) (DIP2C), mRNA [NM_014974]
FBXO5	6	1,72E-02	-2,35	-1,01	-2,79	Homo sapiens F-box protein 5 (FBXO5), transcript variant 2, mRNA [NM_001142522]
MXRA8	1	1,35E-02	-2,34	-1,30	-4,27	Homo sapiens matrix-remodelling associated 8 (MXRA8), mRNA [NM_032348]
VWF	12	1,30E-03	-2,34	-1,18	-2,01	Homo sapiens von Willebrand factor (VWF), mRNA [NM_000552]
SERPINE1	7	1,03E-03	-2,33	1,01	-2,46	Homo sapiens serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1 (SERPINE1), transcript variant 1, mRNA [NM_000602]
SGOL1	3	6,89E-03	-2,33	-1,13	-3,47	Homo sapiens shugoshin-like 1 (S. pombe) (SGOL1), transcript variant A1, mRNA [NM_001012409]
CSRP2	12	7,62E-04	-2,33	1,09	-2,65	Homo sapiens cysteine and glycine-rich protein 2 (CSRP2), mRNA [NM_001321]
	9	1,98E-02	-2,33	1,19	-3,20	Homo sapiens, clone IMAGE:4890344, mRNA. [BC023640]
PPARG	3	1,21E-03	-2,33	1,04	-2,22	Homo sapiens peroxisome proliferator-activated receptor gamma (PPARG), transcript variant 3, mRNA [NM_138711]
HMGB3	X	1,50E-05	-2,33	1,29	-2,76	Homo sapiens high mobility group box 3 (HMGB3), mRNA [NM_005342]
B3GNT1	11	1,42E-02	-2,33	-1,01	-2,82	Homo sapiens UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1 (B3GNT1), mRNA [NM_006876]
APOBEC2	6	7,28E-05	-2,33	-1,29	-3,99	Homo sapiens

						apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 2 (APOBEC2), mRNA [NM_006789]
NADKD1	5	1,74E-03	-2,32	-1,24	-2,44	Homo sapiens NAD kinase domain containing 1 (NADKD1), transcript variant 1, mRNA [NM_001085411]
CROT	7	9,00E-03	-2,32	-1,04	-2,23	Homo sapiens carnitine O-octanoyltransferase (CROT), transcript variant 2, mRNA [NM_021151]
MCM5	22	7,00E-03	-2,32	1,08	-2,39	Homo sapiens minichromosome maintenance complex component 5 (MCM5), mRNA [NM_006739]
HELLS	10	1,77E-03	-2,32	-1,11	-2,79	Homo sapiens helicase, lymphoid-specific (HELLS), mRNA [NM_018063]
MCOLN3	1	1,64E-03	-2,32	-1,11	-2,46	mucolipin 3 [Source:HGNC Symbol;Acc:13358] [ENST00000370587]
	5	4,27E-03	-2,32	-1,10	-2,08	lincRNA:chr5:71663069-71674169 forward strand
DAAM1	14	1,87E-04	-2,32	1,00	-2,34	Homo sapiens dishevelled associated activator of morphogenesis 1 (DAAM1), mRNA [NM_014992]
SPRR1A	1	3,90E-02	-2,32	-1,49	-1,96	Homo sapiens small proline-rich protein 1A (SPRR1A), transcript variant 2, mRNA [NM_005987]
LOC644662	3	3,17E-02	-2,32	-1,32	-6,04	PREDICTED: Homo sapiens hypothetical protein LOC644662, transcript variant 2 (LOC644662), mRNA [XM_933903]
ZNF331	19	2,66E-03	-2,32	1,03	-2,44	Homo sapiens zinc finger protein 331 (ZNF331), transcript variant 1, mRNA [NM_018555]
ARRDC3	5	6,49E-04	-2,32	-1,13	-2,83	Homo sapiens arrestin domain containing 3 (ARRDC3), mRNA [NM_020801]
LGR4	11	2,66E-03	-2,32	1,08	-2,73	Homo sapiens leucine-rich repeat containing G protein-coupled receptor 4 (LGR4), mRNA [NM_018490]
ZNF488	10	1,68E-05	-2,32	1,04	-2,40	Homo sapiens zinc

						finger protein 488 (ZNF488), mRNA [NM_153034]
RHCG	15	9,84E-03	-2,32	-1,51	-1,83	Homo sapiens Rh family, C glycoprotein (RHCG), mRNA [NM_016321]
SAMD1	19	7,65E-04	-2,32	1,01	-2,46	Homo sapiens sterile alpha motif domain containing 1 (SAMD1), mRNA [NM_138352]
OIP5	15	4,65E-02	-2,32	-1,03	-2,73	Homo sapiens Opa interacting protein 5 (OIP5), mRNA [NM_007280]
EPN3	17	1,38E-03	-2,31	-1,22	-2,16	Homo sapiens epsin 3 (EPN3), mRNA [NM_017957]
BEX1	X	2,25E-03	-2,31	-1,28	-2,93	Homo sapiens brain expressed, X-linked 1 (BEX1), mRNA [NM_018476]
DYDC2	10	4,88E-02	-2,31	1,02	-2,47	Homo sapiens DPY30 domain containing 2 (DYDC2), mRNA [NM_032372]
LOC388242	16	1,47E-04	-2,31	-1,08	-2,20	Homo sapiens coiled-coil domain containing 101 pseudogene (LOC388242), non-coding RNA [NR_002556]
JPH1	8	4,13E-04	-2,31	-1,14	-2,64	Homo sapiens junctophilin 1 (JPH1), mRNA [NM_020647]
SMPDL3A	6	7,97E-04	-2,31	1,00	-2,26	Homo sapiens sphingomyelin phosphodiesterase, acid-like 3A (SMPDL3A), mRNA [NM_006714]
PNPLA3	22	9,45E-05	-2,31	-1,00	-2,53	Homo sapiens patatin-like phospholipase domain containing 3 (PNPLA3), mRNA [NM_025225]
	5	1,17E-04	-2,31	-1,33	-2,27	lincRNA:chr5:71663683-71664222 forward strand
RFXAP	13	9,37E-03	-2,30	-1,06	-2,16	Homo sapiens regulatory factor X-associated protein (RFXAP), mRNA [NM_000538]
GPSM2	1	1,69E-03	-2,30	1,02	-2,37	Homo sapiens G-protein signaling modulator 2 (GPSM2), mRNA [NM_013296]
KCNIP3	2	4,09E-03	-2,30	-1,01	-2,56	Homo sapiens Kv channel interacting protein 3, calsenilin (KCNIP3), transcript variant 1, mRNA

						[NM_013434]
	12	5,27E-03	-2,30	1,09	-2,87	zinc finger protein 891 [Source:HGNC Symbol;Acc:38709] [ENST00000537226]
MEGF9	9	1,22E-03	-2,30	1,12	-2,41	Homo sapiens multiple EGF-like-domains 9 (MEGF9), mRNA [NM_001080497]
HIST1H3F	6	1,87E-03	-2,30	-1,15	-2,72	Homo sapiens histone cluster 1, H3f (HIST1H3F), mRNA [NM_021018]
PRICKLE2	3	4,02E-02	-2,30	1,05	-2,50	Homo sapiens prickle homolog 2 (Drosophila) (PRICKLE2), mRNA [NM_198859]
HIST1H4B	6	6,28E-04	-2,30	-1,12	-2,61	Homo sapiens histone cluster 1, H4b (HIST1H4B), mRNA [NM_003544]
RADIL	7	2,57E-03	-2,30	-1,00	-2,43	Homo sapiens Ras association and DIL domains (RADIL), mRNA [NM_018059]
PCDHGB7	5	3,99E-03	-2,30	1,23	-2,70	Homo sapiens protocadherin gamma subfamily B, 7 (PCDHGB7), transcript variant 2, mRNA [NM_032101]
ZNF30	19	1,34E-02	-2,30	1,08	-2,69	Homo sapiens zinc finger protein 30 (ZNF30), transcript variant 1, mRNA [NM_001099438]
MCM4	8	1,64E-02	-2,29	1,08	-2,50	Homo sapiens minichromosome maintenance complex component 4 (MCM4), transcript variant 1, mRNA [NM_005914]
TPM1	15	2,69E-04	-2,29	-1,08	-2,17	Homo sapiens tropomyosin 1 (alpha) (TPM1), transcript variant 1, mRNA [NM_001018005]
NFIB	9	2,84E-05	-2,29	-1,09	-2,74	Homo sapiens nuclear factor I/B (NFIB), transcript variant 3, mRNA [NM_005596]
SPOCK3	4	2,12E-04	-2,29	-1,04	-2,78	Homo sapiens sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3 (SPOCK3), transcript variant 3, mRNA [NM_001204352]
SOCS2	12	1,02E-05	-2,29	1,05	-2,44	Homo sapiens suppressor of cytokine signaling 2 (SOCS2), mRNA

						[NM_003877]
DHFRL1	3	4,80E-04	-2,29	-1,17	-3,01	Homo sapiens dihydrofolate reductase-like 1 (DHFRL1), transcript variant 2, mRNA [NM_176815]
ACSL1	4	3,51E-03	-2,29	-1,05	-1,96	Homo sapiens acyl-CoA synthetase long-chain family member 1 (ACSL1), mRNA [NM_001995]
SLC6A15	12	2,47E-02	-2,29	-1,39	-3,21	Homo sapiens solute carrier family 6 (neutral amino acid transporter), member 15 (SLC6A15), transcript variant 1, mRNA [NM_182767]
ANKH	5	9,91E-05	-2,29	1,05	-2,63	Homo sapiens ankylosis, progressive homolog (mouse) (ANKH), mRNA [NM_054027]
EXTL2	1	5,25E-03	-2,29	1,10	-2,12	Homo sapiens exostoses (multiple)-like 2 (EXTL2), transcript variant 1, mRNA [NM_001439]
ABCG1	21	3,41E-02	-2,29	-1,22	-1,94	Homo sapiens ATP-binding cassette, sub-family G (WHITE), member 1 (ABCG1), transcript variant 5, mRNA [NM_207627]
ZBED5	11	1,41E-06	-2,28	-1,05	-2,30	Homo sapiens zinc finger, BED-type containing 5 (ZBED5), transcript variant 1, mRNA [NM_021211]
	15	1,92E-04	-2,28	-1,16	-2,90	lincRNA:chr15:25226682-25236382 forward strand
NCRNA00319	21	1,20E-02	-2,28	-1,07	-1,96	Homo sapiens non-protein coding RNA 319 (NCRNA00319), non-coding RNA [NR_026960]
DHDH	19	1,05E-02	-2,28	-1,04	-2,45	Homo sapiens dihydrodiol dehydrogenase (dimeric) (DHDH), mRNA [NM_014475]
LOC100506036	2	2,42E-03	-2,28	-1,01	-3,65	PREDICTED: Homo sapiens hypothetical LOC100506036 (LOC100506036), partial miscRNA [XR_109916]
CDON	11	2,27E-03	-2,28	1,23	-2,19	Homo sapiens Cdon homolog (mouse) (CDON), mRNA [NM_016952]
GJA3	13	3,80E-02	-2,28	1,21	-2,24	Homo sapiens gap junction protein, alpha 3, 46kDa (GJA3), mRNA

						[NM_021954]
HJURP	2	2,83E-02	-2,28	-1,05	-3,84	Homo sapiens Holliday junction recognition protein (HJURP), mRNA [NM_018410]
SFTA3	14	1,16E-03	-2,28	-1,15	-2,34	Homo sapiens surfactant associated 3 (SFTA3), mRNA [NM_001101341]
ORC6	16	5,32E-03	-2,27	1,03	-2,65	Homo sapiens origin recognition complex, subunit 6 (ORC6), transcript variant 1, mRNA [NM_014321]
	6	1,17E-02	-2,27	-1,65	-4,20	lincRNA:chr6:80256857-80257505 forward strand
	10	1,11E-03	-2,27	-1,02	-2,51	lincRNA:chr10:118574085-118608460 reverse strand
CAMK2N1	1	6,41E-04	-2,27	-1,11	-2,42	Homo sapiens calcium/calmodulin-dependent protein kinase II inhibitor 1 (CAMK2N1), mRNA [NM_018584]
LOC100128361	9	9,16E-04	-2,27	-1,29	-2,02	Homo sapiens hypothetical LOC100128361 (LOC100128361), non-coding RNA [NR_036505]
KIFC1	6	1,19E-02	-2,27	-1,07	-3,00	Homo sapiens kinesin family member C1 (KIFC1), mRNA [NM_002263]
IL1RL1	2	3,34E-02	-2,27	-1,52	-1,80	Homo sapiens interleukin 1 receptor-like 1 (IL1RL1), transcript variant 1, mRNA [NM_016232]
RBP1	3	1,54E-05	-2,27	-1,02	-2,19	Homo sapiens retinol binding protein 1, cellular (RBP1), transcript variant 1, mRNA [NM_002899]
SMARCA2	9	1,40E-04	-2,26	-1,11	-2,60	Homo sapiens SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2 (SMARCA2), transcript variant 2, mRNA [NM_139045]
FANCE	6	5,22E-05	-2,26	-1,03	-2,54	Homo sapiens Fanconi anemia, complementation group E (FANCE), mRNA [NM_021922]
MSH2	2	6,68E-03	-2,26	1,02	-2,53	Homo sapiens mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli) (MSH2), mRNA [NM_000251]

ATL1	14	5,04E-04	-2,26	-1,05	-2,24	Homo sapiens atlastin GTPase 1 (ATL1), transcript variant 2, mRNA [NM_181598]
NAV2	11	3,35E-03	-2,26	-1,25	-2,34	Homo sapiens neuron navigator 2 (NAV2), transcript variant 1, mRNA [NM_182964]
OTUD3	1	1,96E-05	-2,26	1,01	-3,28	Homo sapiens OTU domain containing 3 (OTUD3), mRNA [NM_015207]
RGMA	15	1,01E-03	-2,26	-1,07	-1,91	Homo sapiens RGM domain family, member A (RGMA), transcript variant 4, mRNA [NM_020211]
TTK	6	4,08E-02	-2,26	1,02	-3,27	Homo sapiens TTK protein kinase (TTK), transcript variant 1, mRNA [NM_003318]
SESN1	6	4,11E-03	-2,25	1,17	-2,22	Homo sapiens sestrin 1 (SESN1), transcript variant 1, mRNA [NM_014454]
CAPS	19	4,72E-05	-2,25	-1,03	-2,03	Homo sapiens calcyphosine (CAPS), transcript variant 1, mRNA [NM_004058]
FLJ27352	15	1,60E-03	-2,25	1,12	-2,26	Homo sapiens hypothetical LOC145788 (FLJ27352), mRNA [NM_001198784]
	7	6,53E-03	-2,25	-1,16	-2,44	lincRNA:chr7:79088255-79100366 forward strand
HIST1H4A	6	1,06E-02	-2,25	-1,55	-3,24	Homo sapiens histone cluster 1, H4a (HIST1H4A), mRNA [NM_003538]
	4	6,62E-03	-2,25	-1,05	-2,32	lincRNA:chr4:90603427-90616902 forward strand
KITLG	12	4,54E-02	-2,25	1,29	-2,40	Homo sapiens KIT ligand (KITLG), transcript variant b, mRNA [NM_000899]
MMP15	16	8,65E-06	-2,25	1,04	-2,36	Homo sapiens matrix metallopeptidase 15 (membrane-inserted) (MMP15), mRNA [NM_002428]
PCNA	20	2,87E-02	-2,25	1,07	-2,35	Homo sapiens proliferating cell nuclear antigen (PCNA), transcript variant 1, mRNA [NM_002592]
TMEM117	12	1,66E-03	-2,25	1,05	-2,17	Homo sapiens transmembrane protein 117 (TMEM117), mRNA [NM_032256]
CHKA	11	5,35E-04	-2,25	-1,05	-2,12	Homo sapiens

						choline kinase alpha (CHKA), transcript variant 1, mRNA [NM_001277]
ADCK3	1	9,03E-03	-2,25	1,06	-2,43	Homo sapiens aarF domain containing kinase 3 (ADCK3), nuclear gene encoding mitochondrial protein, mRNA [NM_020247]
ZBTB7C	18	2,58E-03	-2,25	-1,24	-2,23	Homo sapiens zinc finger and BTB domain containing 7C (ZBTB7C), mRNA [NM_001039360]
LOC100507547	6	5,94E-04	-2,25	-1,04	-1,98	Homo sapiens hypothetical LOC100507547 (LOC100507547), transcript variant 1, non-coding RNA [NR_037169]
SLC22A23	6	5,24E-04	-2,25	1,06	-2,21	Homo sapiens solute carrier family 22, member 23 (SLC22A23), transcript variant 1, mRNA [NM_015482]
DENND2A	7	1,90E-02	-2,24	-1,45	-2,61	Homo sapiens DENN/MADD domain containing 2A (DENND2A), mRNA [NM_015689]
PAQR7	1	9,22E-05	-2,24	-1,14	-2,26	Homo sapiens progestin and adipoQ receptor family member VII (PAQR7), mRNA [NM_178422]
ARHGEF4	2	4,04E-03	-2,24	1,03	-1,65	Homo sapiens Rho guanine nucleotide exchange factor (GEF) 4 (ARHGEF4), transcript variant 1, mRNA [NM_015320]
NEURL1B	5	1,37E-03	-2,24	-1,01	-2,56	Homo sapiens neuralized homolog 1B (Drosophila) (NEURL1B), mRNA [NM_001142651]
RAD51	15	9,75E-03	-2,24	1,04	-2,79	Homo sapiens RAD51 homolog (S. cerevisiae) (RAD51), transcript variant 1, mRNA [NM_002875]
EPHB2	1	1,04E-03	-2,24	-1,03	-2,40	Homo sapiens EPH receptor B2 (EPHB2), transcript variant 2, mRNA [NM_004442]
SLITRK6	13	3,72E-03	-2,23	-1,22	-2,49	Homo sapiens SLIT and NTRK-like family, member 6 (SLITRK6), mRNA [NM_032229]
TPM1	15	3,04E-04	-2,23	-1,11	-2,18	Homo sapiens

						tropomyosin 1 (alpha) (TPM1), transcript variant 5, mRNA [NM_000366]
	6	2,95E-03	-2,23	1,10	-2,46	histone cluster 1, H4c [Source:HGNC Symbol;Acc:4787] [ENST00000377803]
SLCO3A1	15	7,19E-04	-2,23	1,02	-2,50	Homo sapiens solute carrier organic anion transporter family, member 3A1 (SLCO3A1), transcript variant 1, mRNA [NM_013272]
KIF15	3	2,80E-02	-2,23	-1,06	-2,72	Homo sapiens kinesin family member 15 (KIF15), mRNA [NM_020242]
ST3GAL5	2	8,15E-04	-2,23	-1,07	-2,40	Homo sapiens ST3 beta-galactoside alpha-2,3-sialyltransferase 5 (ST3GAL5), transcript variant 1, mRNA [NM_003896]
MMS22L	6	2,00E-02	-2,23	-1,03	-2,55	Homo sapiens MMS22-like, DNA repair protein (MMS22L), mRNA [NM_198468]
LOC100270746	6	2,97E-03	-2,23	1,02	-2,45	Homo sapiens hypothetical LOC100270746 (LOC100270746), non-coding RNA [NR_026776]
MITF	3	2,95E-03	-2,23	1,02	-2,26	Homo sapiens microphthalmia-associated transcription factor (MITF), transcript variant 1, mRNA [NM_198159]
WDR63	1	1,80E-03	-2,23	1,06	-2,22	Homo sapiens WD repeat domain 63 (WDR63), mRNA [NM_145172]
GPR155	2	4,54E-03	-2,23	1,13	-2,27	Homo sapiens G protein-coupled receptor 155 (GPR155), transcript variant 9, mRNA [NM_001033045]
CENPM	22	1,00E-02	-2,23	-1,02	-2,72	Homo sapiens centromere protein M (CENPM), transcript variant 2, mRNA [NM_001002876]
PITPNM3	17	1,14E-02	-2,23	-1,24	-2,13	Homo sapiens PITPNM family member 3 (PITPNM3), transcript variant 1, mRNA [NM_031220]
PHYHIP	8	3,34E-03	-2,22	-1,24	-2,21	Homo sapiens phytanoyl-CoA 2-hydroxylase

						interacting protein (PHYHIP), transcript variant 2, mRNA [NM_014759]
CSRP2BP	20	9,43E-04	-2,22	-1,12	-2,36	Homo sapiens CSRP2 binding protein (CSRP2BP), transcript variant 1, mRNA [NM_020536]
PCSK5	9	1,20E-02	-2,22	-1,15	-2,08	Homo sapiens proprotein convertase subtilisin/kexin type 5 (PCSK5), transcript variant 2, mRNA [NM_006200]
LIMCH1	4	1,62E-02	-2,22	1,00	-2,14	Homo sapiens LIM and calponin homology domains 1 (LIMCH1), transcript variant 1, mRNA [NM_014988]
MLLT11	1	2,32E-04	-2,22	1,09	-2,42	Homo sapiens myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 11 (MLLT11), mRNA [NM_006818]
SLC2A11	22	4,87E-05	-2,22	1,04	-1,76	Homo sapiens solute carrier family 2 (facilitated glucose transporter), member 11 (SLC2A11), transcript variant 1, mRNA [NM_030807]
LOC339240	17	9,84E-04	-2,22	-1,01	-2,07	Homo sapiens keratin pseudogene (LOC339240), non-coding RNA [NR_001443]
	3	4,71E-05	-2,22	-1,12	-2,44	lincRNA:chr3:112308735-112318605 reverse strand
DDHD1	14	3,40E-02	-2,22	-1,25	-2,38	Homo sapiens DDHD domain containing 1 (DDHD1), transcript variant 1, mRNA [NM_030637]
	3	1,57E-03	-2,22	-1,20	-2,31	lincRNA:chr3:58606885-58616610 forward strand
	20	1,42E-03	-2,22	-1,55	-1,75	lincRNA:chr20:1335325-1349500 forward strand
HIST1H2AM	6	4,33E-03	-2,22	-1,00	-2,62	Homo sapiens histone cluster 1, H2am (HIST1H2AM), mRNA [NM_003514]
EPHB2	1	4,45E-04	-2,21	-1,16	-2,20	Homo sapiens EPH receptor B2 (EPHB2), transcript variant 2, mRNA [NM_004442]
ACTR3B	7	2,77E-04	-2,21	1,07	-2,65	Homo sapiens ARP3 actin-related protein

						3 homolog B (yeast) (ACTR3B), transcript variant 1, mRNA [NM_020445]
	1	1,81E-02	-2,21	-1,12	-1,78	HUMHAMRT reverse transcriptase {Homo sapiens} (exp=-1; wgp=0; cg=0), partial (7%) [THC2620859]
WRB	21	1,81E-04	-2,21	1,13	-2,46	Homo sapiens tryptophan rich basic protein (WRB), transcript variant 1, mRNA [NM_004627]
SUV420H2	19	5,97E-05	-2,21	-1,11	-2,42	Homo sapiens suppressor of variegation 4-20 homolog 2 (Drosophila) (SUV420H2), mRNA [NM_032701]
RFC3	13	8,24E-03	-2,21	-1,04	-2,45	Homo sapiens replication factor C (activator 1) 3, 38kDa (RFC3), transcript variant 1, mRNA [NM_002915]
C18orf18	18	2,73E-04	-2,21	1,16	-2,73	Homo sapiens chromosome 18 open reading frame 18 (C18orf18), non-coding RNA [NR_026849]
WNT4	1	1,65E-03	-2,21	-1,15	-1,84	wingless-type MMTV integration site family, member 4 [Source:HGNC Symbol;Acc:12783] [ENST00000374655]
LOC729863	2	3,52E-02	-2,21	-1,41	-1,73	PREDICTED: Homo sapiens putative zinc finger protein ENSP00000328166-like (LOC729863), mRNA [XM_003120379]
	4	9,68E-03	-2,21	-1,13	-2,20	lincRNA:chr4:53577368-53616143 reverse strand
BAI2	1	7,75E-03	-2,21	-1,32	-2,33	Homo sapiens brain-specific angiogenesis inhibitor 2 (BAI2), mRNA [NM_001703]
FAM108B1	9	1,11E-03	-2,20	-1,35	-2,29	Homo sapiens family with sequence similarity 108, member B1 (FAM108B1), transcript variant 1, mRNA [NM_016014]
ZNF519	18	1,61E-03	-2,20	1,00	-2,90	Homo sapiens zinc finger protein 519 (ZNF519), transcript variant 1, mRNA [NM_145287]
PCDHA11	5	8,14E-03	-2,20	-1,04	-2,36	Homo sapiens protocadherin alpha 11 (PCDHA11), transcript variant 1,

						mRNA [NM_018902]
CCDC141	2	4,43E-02	-2,20	-1,83	-1,68	Homo sapiens mRNA; cDNA DKFZp686G197 (from clone DKFZp686G197). [AL832777]
LOC257396	5	5,34E-03	-2,20	-1,07	-2,17	Homo sapiens hypothetical protein LOC257396, mRNA (cDNA clone IMAGE:5298658). [BC041894]
PKMYT1	16	2,13E-03	-2,20	1,01	-2,69	Homo sapiens protein kinase, membrane associated tyrosine/threonine 1 (PKMYT1), transcript variant 2, mRNA [NM_182687]
CASP6	4	5,19E-04	-2,20	1,12	-2,27	Homo sapiens caspase 6, apoptosis-related cysteine peptidase (CASP6), transcript variant alpha, mRNA [NM_001226]
CYBRD1	2	6,89E-05	-2,20	1,05	-1,88	Homo sapiens cytochrome b reductase 1 (CYBRD1), transcript variant 1, mRNA [NM_024843]
BCL11B	14	2,25E-03	-2,20	1,08	-2,46	Homo sapiens B-cell CLL/lymphoma 11B (zinc finger protein) (BCL11B), transcript variant 1, mRNA [NM_138576]
IGSF9	1	2,32E-04	-2,20	-1,07	-2,48	Homo sapiens immunoglobulin superfamily, member 9 (IGSF9), transcript variant 2, mRNA [NM_020789]
TAF9B	X	7,40E-03	-2,20	-1,07	-2,11	Homo sapiens TAF9B RNA polymerase II, TATA box binding protein (TBP)-associated factor, 31kDa (TAF9B), mRNA [NM_015975]
	1	7,53E-05	-2,20	-1,13	-2,73	lincRNA:chr1:26210671-26219098 reverse strand
ISPD	7	1,00E-02	-2,20	-1,04	-1,57	Homo sapiens isoprenoid synthase domain containing (ISPD), transcript variant 1, mRNA [NM_001101426]
ZNF503	10	3,89E-03	-2,19	-1,12	-2,67	Homo sapiens zinc finger protein 503 (ZNF503), mRNA [NM_032772]
ARTN	1	6,03E-04	-2,19	-1,10	-2,20	Homo sapiens artemin (ARTN),

						transcript variant 4, mRNA [NM_057090]
FANCA	16	8,62E-03	-2,19	1,01	-2,55	Homo sapiens Fanconi anemia, complementation group A (FANCA), transcript variant 1, mRNA [NM_000135]
	10	3,29E-03	-2,19	1,10	-2,13	lincRNA:chr10:118588285-118590480 reverse strand
ID2	2	1,32E-02	-2,19	-1,35	-2,31	Homo sapiens inhibitor of DNA binding 2, dominant negative helix-loop-helix protein (ID2), mRNA [NM_002166]
LOC100129516	3	9,38E-03	-2,19	-1,24	-2,14	PREDICTED: Homo sapiens hypothetical protein LOC100129516 (LOC100129516), mRNA [XM_003119920]
	X	2,44E-02	-2,19	1,03	-2,41	lincRNA:chrX:45897556-45923781 reverse strand
DSC1	18	1,26E-02	-2,19	1,03	-1,33	Homo sapiens desmocollin 1 (DSC1), transcript variant Dsc1b, mRNA [NM_004948]
KIT	4	1,57E-02	-2,19	-1,11	-2,29	Homo sapiens v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT), transcript variant 2, mRNA [NM_001093772]
ZNF775	7	6,70E-05	-2,19	-1,12	-2,77	Homo sapiens zinc finger protein 775 (ZNF775), mRNA [NM_173680]
PLEKHA6	1	4,44E-02	-2,19	-1,43	-1,96	Homo sapiens pleckstrin homology domain containing, family A member 6 (PLEKHA6), mRNA [NM_014935]
KCNMA1	10	2,73E-02	-2,19	-1,17	-2,40	Homo sapiens potassium large conductance calcium-activated channel, subfamily M, alpha member 1 (KCNMA1), transcript variant 2, mRNA [NM_002247]
NFU1	2	1,05E-02	-2,18	-2,20	-1,36	Homo sapiens mRNA; cDNA DKFZp686H1983 (from clone DKFZp686H1983). [BX538347]
UGT2B15	4	4,60E-02	-2,18	-1,54	-1,94	Homo sapiens UDP glucuronosyltransferase 2 family, polypeptide B15 (UGT2B15), mRNA

						[NM_001076]
STOX2	4	3,37E-05	-2,18	1,03	-2,19	Homo sapiens storkhead box 2 (STOX2), mRNA [NM_020225]
USP27X	X	6,90E-03	-2,18	1,20	-1,87	Homo sapiens ubiquitin specific peptidase 27, X-linked (USP27X), mRNA [NM_001145073]
TYRO3	15	1,51E-03	-2,18	-1,15	-2,04	Homo sapiens TYRO3 protein tyrosine kinase (TYRO3), mRNA [NM_006293]
RECQL4	8	4,03E-03	-2,18	-1,08	-2,56	Homo sapiens RecQ protein-like 4 (RECQL4), mRNA [NM_004260]
EYA1	8	9,07E-03	-2,18	1,11	-1,99	Homo sapiens eyes absent homolog 1 (Drosophila) (EYA1), transcript variant 3, mRNA [NM_000503]
OTUD1	10	3,82E-02	-2,18	1,04	-2,05	Homo sapiens OTU domain containing 1 (OTUD1), mRNA [NM_001145373]
SLC7A11	4	1,47E-02	-2,18	-1,30	-2,61	Homo sapiens solute carrier family 7 (anionic amino acid transporter light chain, xc- system), member 11 (SLC7A11), mRNA [NM_014331]
CASC5	15	5,14E-03	-2,18	-1,13	-2,88	Homo sapiens cancer susceptibility candidate 5 (CASC5), transcript variant 1, mRNA [NM_170589]
ELOVL6	4	6,68E-05	-2,18	-1,06	-2,24	Homo sapiens ELOVL fatty acid elongase 6 (ELOVL6), transcript variant 1, mRNA [NM_024090]
	6	1,49E-02	-2,18	1,15	-2,52	Q2M2B7_HUMAN (Q2M2B7) Sestrin 1, partial (68%) [THC2527965]
LONRF2	2	3,35E-03	-2,18	-1,16	-2,19	Homo sapiens LON peptidase N-terminal domain and ring finger 2 (LONRF2), mRNA [NM_198461]
PSIP1	9	4,30E-04	-2,18	-1,11	-2,13	Homo sapiens PC4 and SFRS1 interacting protein 1 (PSIP1), transcript variant 1, mRNA [NM_021144]
CDC45	22	3,05E-02	-2,18	-1,03	-2,53	Homo sapiens cell division cycle 45 homolog (S. cerevisiae) (CDC45), transcript variant 2,

						mRNA [NM_003504]
PER2	2	4,59E-04	-2,18	-1,41	-1,86	Homo sapiens period homolog 2 (Drosophila) (PER2), mRNA [NM_022817]
PDGFA	7	3,32E-03	-2,18	-1,05	-2,46	Homo sapiens platelet-derived growth factor alpha polypeptide (PDGFA), transcript variant 1, mRNA [NM_002607]
LOC643551	13	2,02E-02	-2,17	-1,53	-2,33	Homo sapiens cDNA FLJ46123 fis, clone TESTI2039738. [AK128004]
C9orf125	9	1,80E-03	-2,17	-1,06	-2,82	Homo sapiens chromosome 9 open reading frame 125 (C9orf125), mRNA [NM_032342]
ZC4H2	X	1,61E-03	-2,17	-1,00	-2,26	Homo sapiens zinc finger, C4H2 domain containing (ZC4H2), transcript variant 1, mRNA [NM_018684]
FAM46B	1	7,01E-04	-2,17	-1,33	-1,67	Homo sapiens family with sequence similarity 46, member B (FAM46B), mRNA [NM_052943]
SKA1	18	3,26E-02	-2,17	-1,06	-2,80	Homo sapiens spindle and kinetochore associated complex subunit 1 (SKA1), transcript variant 1, mRNA [NM_001039535]
EPHB2	1	2,22E-04	-2,17	-1,10	-2,33	Homo sapiens EPH receptor B2 (EPHB2), transcript variant 2, mRNA [NM_004442]
GSTA4	6	5,47E-03	-2,17	1,07	-2,04	Homo sapiens glutathione S-transferase alpha 4 (GSTA4), mRNA [NM_001512]
ADAT2	6	5,06E-04	-2,17	1,07	-2,62	Homo sapiens adenosine deaminase, tRNA-specific 2 (ADAT2), mRNA [NM_182503]
MLF1IP	4	2,28E-02	-2,17	1,01	-2,42	Homo sapiens MLF1 interacting protein (MLF1IP), mRNA [NM_024629]
	22	4,98E-02	-2,17	-1,42	-1,72	lincRNA:chr22:18419450-18467225 forward strand
XLOC_004366	5	1,14E-03	-2,17	1,06	-2,18	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)

TIMP3	22	1,29E-02	-2,17	1,04	-1,81	Homo sapiens TIMP metallopeptidase inhibitor 3 (TIMP3), mRNA [NM_000362]
DRD2	11	2,85E-02	-2,17	-1,58	-1,22	Homo sapiens dopamine receptor D2 (DRD2), transcript variant 1, mRNA [NM_000795]
BICD1	12	4,12E-04	-2,16	-1,21	-2,28	Homo sapiens bicaudal D homolog 1 (Drosophila) (BICD1), transcript variant 1, mRNA [NM_001714]
XLOC_008703	10	4,54E-05	-2,16	1,06	-2,83	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
EIF4E1B	5	1,32E-02	-2,16	-1,82	-2,50	Homo sapiens eukaryotic translation initiation factor 4E family member 1B (EIF4E1B), mRNA [NM_001099408]
BRD3	9	7,00E-04	-2,16	-1,07	-2,29	Homo sapiens bromodomain containing 3 (BRD3), mRNA [NM_007371]
DBIL5P	17	6,02E-05	-2,16	-1,05	-2,31	Homo sapiens diazepam binding inhibitor-like 5, pseudogene (DBIL5P), non-coding RNA [NR_024120]
	6	7,69E-03	-2,16	-1,29	-2,13	lincRNA:chr6:22191803-22194614 forward strand
PDZD7	10	8,70E-03	-2,16	-1,14	-4,30	Homo sapiens PDZ domain containing 7 (PDZD7), transcript variant 2, mRNA [NM_024895]
LOC100289650	19	9,29E-03	-2,16	-1,14	-2,48	Homo sapiens hypothetical LOC100289650 (LOC100289650), non-coding RNA [NR_036584]
LOXL4	10	2,37E-02	-2,16	-1,17	-3,15	Homo sapiens lysyl oxidase-like 4 (LOXL4), mRNA [NM_032211]
LOC100129550	3	6,37E-04	-2,16	-1,02	-2,40	Homo sapiens hypothetical LOC100129550 (LOC100129550), non-coding RNA [NR_024618]
CENPF	1	2,45E-02	-2,16	-1,13	-3,21	Homo sapiens centromere protein F, 350/400kDa (mitosin) (CENPF), mRNA [NM_016343]

CTDSPL	3	2,50E-04	-2,16	-1,02	-2,35	Homo sapiens CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like (CTDSPL), transcript variant 1, mRNA [NM_001008392]
FANCM	14	2,09E-03	-2,16	1,01	-2,21	Homo sapiens Fanconi anemia, complementation group M (FANCM), mRNA [NM_020937]
LOC157562	8	4,06E-03	-2,16	-1,16	-2,45	Homo sapiens mRNA; cDNA DKFZp686N0244 (from clone DKFZp686N0244). [BX649145]
GPR155	2	2,11E-03	-2,15	-1,01	-2,24	Homo sapiens G protein-coupled receptor 155 (GPR155), transcript variant 9, mRNA [NM_001033045]
LOC389493	7	4,47E-03	-2,15	1,05	-1,93	Homo sapiens hypothetical protein LOC389493 (LOC389493), mRNA [NM_001145712]
PXT1	6	3,81E-02	-2,15	-1,22	-2,24	Homo sapiens peroxisomal, testis specific 1 (PXT1), mRNA [NM_152990]
LRIG1	3	1,19E-03	-2,15	1,08	-2,23	Homo sapiens leucine-rich repeats and immunoglobulin-like domains 1 (LRIG1), mRNA [NM_015541]
PPP2R2B	5	1,54E-03	-2,15	-1,08	-2,45	Homo sapiens protein phosphatase 2, regulatory subunit B, beta (PPP2R2B), transcript variant 1, mRNA [NM_004576]
LOC645586	9	1,40E-04	-2,15	-1,01	-2,74	Homo sapiens cDNA FLJ25208 fis, clone REC05984. [AK057937]
RNF125	18	3,64E-03	-2,15	-1,04	-2,83	Homo sapiens ring finger protein 125 (RNF125), mRNA [NM_017831]
SGCE	7	9,55E-03	-2,15	-1,02	-2,23	Homo sapiens sarcoglycan, epsilon (SGCE), transcript variant 1, mRNA [NM_001099401]
FAM87B	1	6,91E-04	-2,15	1,13	-2,52	PREDICTED: Homo sapiens family with sequence similarity 87, member B (FAM87B), miscRNA [XR_112085]
SUV39H1	X	1,63E-03	-2,15	-1,08	-2,27	Homo sapiens suppressor of

						variegation 3-9 homolog 1 (Drosophila) (SUV39H1), mRNA [NM_003173]
FLJ31715	3	7,49E-03	-2,15	-1,25	-1,87	Homo sapiens cDNA clone IMAGE:3831619. [BC022164]
C3orf72	3	1,51E-04	-2,15	1,10	-2,90	Homo sapiens chromosome 3 open reading frame 72 (C3orf72), mRNA [NM_001040061]
ZNF43	19	2,08E-03	-2,15	-1,20	-2,32	Homo sapiens zinc finger protein 43 (ZNF43), mRNA [NM_003423]
UBE2T	1	1,02E-02	-2,15	1,06	-2,74	Homo sapiens ubiquitin-conjugating enzyme E2T (putative) (UBE2T), mRNA [NM_014176]
NMU	4	1,84E-03	-2,15	-1,13	-2,02	Homo sapiens neuromedin U (NMU), mRNA [NM_006681]
GSTA4	6	2,37E-03	-2,15	1,11	-1,98	Homo sapiens glutathione S-transferase alpha 4 (GSTA4), mRNA [NM_001512]
ARL4A	7	2,48E-04	-2,15	-1,08	-2,26	Homo sapiens ADP-ribosylation factor-like 4A (ARL4A), transcript variant 1, mRNA [NM_005738]
NAPEPLD	7	3,49E-03	-2,14	1,13	-2,03	Homo sapiens N-acyl phosphatidylethanolamine phospholipase D (NAPEPLD), transcript variant 1, mRNA [NM_001122838]
SFT2D3	2	7,41E-06	-2,14	1,09	-2,18	Homo sapiens SFT2 domain containing 3 (SFT2D3), mRNA [NM_032740]
SORBS2	4	4,84E-02	-2,14	-1,39	-2,22	Homo sapiens sorbin and SH3 domain containing 2 (SORBS2), transcript variant 2, mRNA [NM_021069]
	17	3,26E-04	-2,14	-1,03	-1,85	lincRNA:chr17:79000055-79008030 reverse strand
UCP2	11	8,67E-03	-2,14	-1,08	-1,99	Homo sapiens uncoupling protein 2 (mitochondrial, proton carrier) (UCP2), nuclear gene encoding mitochondrial protein, mRNA [NM_003355]
ACTR3B	7	1,07E-03	-2,14	-1,03	-2,25	Homo sapiens ARP3 actin-related protein 3 homolog B (yeast)

						(ACTR3B), transcript variant 1, mRNA [NM_020445]
CHAF1B	21	6,24E-03	-2,14	1,01	-2,41	Homo sapiens chromatin assembly factor 1, subunit B (p60) (CHAF1B), mRNA [NM_005441]
ABLIM1	10	4,24E-05	-2,14	-1,30	-2,02	Homo sapiens actin binding LIM protein 1 (ABLIM1), transcript variant 3, mRNA [NM_001003408]
DNALI1	1	3,68E-02	-2,14	-1,37	-4,98	Homo sapiens dynein, axonemal, light intermediate chain 1 (DNALI1), mRNA [NM_003462]
	5	1,31E-03	-2,14	-1,05	-2,54	PREDICTED: Homo sapiens hCG1981531 (LOC728586), partial miscRNA [XR_110564]
BCL2L10	15	1,19E-03	-2,14	1,05	-2,45	Homo sapiens BCL2-like 10 (apoptosis facilitator) (BCL2L10), mRNA [NM_020396]
PBX1	1	1,22E-02	-2,14	1,08	-2,09	Homo sapiens pre-B-cell leukemia homeobox 1 (PBX1), transcript variant 1, mRNA [NM_002585]
ATAD2	8	1,12E-02	-2,14	-1,10	-2,27	Homo sapiens ATPase family, AAA domain containing 2 (ATAD2), mRNA [NM_014109]
KIF14	1	1,90E-02	-2,14	-1,05	-2,90	Homo sapiens kinesin family member 14 (KIF14), mRNA [NM_014875]
PLEKHG6	12	3,38E-05	-2,13	-1,28	-1,86	Homo sapiens pleckstrin homology domain containing, family G (with RhoGef domain) member 6 (PLEKHG6), transcript variant 1, mRNA [NM_018173]
ZNF248	10	2,42E-02	-2,13	1,01	-2,34	Homo sapiens zinc finger protein 248 (ZNF248), mRNA [NM_021045]
	13	2,31E-02	-2,13	-1,57	-2,54	lincRNA:chr13:41445380-41446357 reverse strand
	22	3,89E-02	-2,13	-1,31	-1,68	lincRNA:chr22:31365633-31375380 reverse strand
	5	3,82E-03	-2,13	-1,06	-1,72	Q9NP08_HUMAN (Q9NP08) H6 homeodomain protein, partial (6%) [THC2659841]
CD24	Y	2,90E-05	-2,13	-1,05	-2,14	Homo sapiens CD24 molecule (CD24),

						mRNA [NM_013230]
PEG3	19	4,00E-02	-2,13	-3,00	-4,33	Homo sapiens paternally expressed 3 (PEG3), transcript variant 1, mRNA [NM_006210]
DNM3	1	6,79E-05	-2,13	-1,09	-1,91	Homo sapiens dynamin 3 (DNM3), transcript variant 1, mRNA [NM_015569]
C19orf48	19	4,97E-04	-2,13	-1,01	-2,52	Homo sapiens chromosome 19 open reading frame 48 (C19orf48), mRNA [NM_199249]
DIS3L	15	1,65E-03	-2,13	-1,08	-2,03	Homo sapiens DIS3 mitotic control homolog (S. cerevisiae)-like (DIS3L), transcript variant 2, mRNA [NM_133375]
ISPD	7	6,30E-03	-2,13	-1,52	-1,94	Homo sapiens isoprenoid synthase domain containing (ISPD), transcript variant 1, mRNA [NM_001101426]
DBF4	7	1,95E-03	-2,13	-1,04	-2,70	Homo sapiens DBF4 homolog (S. cerevisiae) (DBF4), mRNA [NM_006716]
PRR5L	11	1,67E-04	-2,13	-1,03	-2,12	Homo sapiens proline rich 5 like (PRR5L), transcript variant 2, mRNA [NM_024841]
SH3PXD2B	5	4,72E-03	-2,13	-1,04	-2,34	Homo sapiens SH3 and PX domains 2B (SH3PXD2B), mRNA [NM_001017995]
LOC284837	21	4,25E-04	-2,13	-1,04	-2,00	Homo sapiens hypothetical LOC284837 (LOC284837), non-coding RNA [NR_026961]
CENPM	22	2,10E-02	-2,13	-1,04	-2,39	Homo sapiens centromere protein M (CENPM), transcript variant 1, mRNA [NM_024053]
ZNF248	10	1,03E-03	-2,13	-1,13	-2,31	Homo sapiens zinc finger protein 248 (ZNF248), mRNA [NM_021045]
RAB30	11	4,27E-04	-2,12	1,09	-2,38	Homo sapiens RAB30, member RAS oncogene family (RAB30), mRNA [NM_014488]
CAPNS2	16	5,89E-06	-2,12	-1,08	-2,09	Homo sapiens calpain, small subunit 2 (CAPNS2), mRNA [NM_032330]
	11	4,22E-02	-2,12	-1,78	-2,50	lincRNA:chr11:133766329-133767054 reverse strand
ACACB	12	1,47E-03	-2,12	1,02	-2,39	Homo sapiens

						acetyl-CoA carboxylase beta (ACACB), mRNA [NM_001093]
XLOC_011183	15	4,90E-05	-2,12	1,02	-2,33	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
CEP97	3	2,48E-03	-2,12	-1,14	-2,27	Homo sapiens centrosomal protein 97kDa (CEP97), mRNA [NM_024548]
GDNF	5	1,04E-03	-2,12	-1,27	-2,07	Homo sapiens glial cell derived neurotrophic factor (GDNF), transcript variant 3, mRNA [NM_001190468]
EFNB3	17	7,72E-04	-2,12	-1,06	-2,06	Homo sapiens ephrin-B3 (EFNB3), mRNA [NM_001406]
NRARP	9	1,40E-03	-2,12	-1,12	-2,27	Homo sapiens NOTCH-regulated ankyrin repeat protein (NRARP), mRNA [NM_001004354]
	17	2,76E-03	-2,12	-1,29	-2,06	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:A8MV31] [ENST00000399342]
MCEE	2	1,06E-04	-2,12	1,06	-2,08	Homo sapiens methylmalonyl CoA epimerase (MCEE), mRNA [NM_032601]
	3	2,22E-03	-2,12	1,04	-2,43	lincRNA:chr3:171506370-171528740 reverse strand
JMY	5	9,60E-03	-2,12	-1,06	-2,38	Homo sapiens junction mediating and regulatory protein, p53 cofactor (JMY), mRNA [NM_152405]
SNHG9	16	1,55E-02	-2,12	-1,17	-2,15	Homo sapiens small nucleolar RNA host gene 9 (non-protein coding) (SNHG9), non-coding RNA [NR_003142]
PHTF2	7	1,61E-03	-2,11	-1,05	-2,38	Homo sapiens putative homeodomain transcription factor 2 (PHTF2), transcript variant 2, mRNA [NM_020432]
	19	1,11E-04	-2,11	-1,03	-2,73	lincRNA:chr19:28293532-28294380 forward strand
XLOC_011183	15	2,53E-03	-2,11	1,05	-2,50	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
ARHGEF4	2	2,35E-02	-2,11	-1,12	-1,87	Homo sapiens Rho guanine nucleotide

						exchange factor (GEF) 4 (ARHGEF4), transcript variant 2, mRNA [NM_032995]
RFC4	3	5,30E-03	-2,11	1,03	-2,58	Homo sapiens replication factor C (activator 1) 4, 37kDa (RFC4), transcript variant 1, mRNA [NM_002916]
PPM1L	3	3,20E-02	-2,11	-1,15	-1,71	Homo sapiens protein phosphatase, Mg2+/Mn2+ dependent, 1L (PPM1L), mRNA [NM_139245]
MBLAC2	5	9,81E-03	-2,11	1,08	-2,33	Homo sapiens metallo-beta-lactamase domain containing 2 (MBLAC2), mRNA [NM_203406]
FAM161B	14	2,72E-03	-2,11	-1,07	-1,75	Homo sapiens family with sequence similarity 161, member B (FAM161B), mRNA [NM_152445]
PDZD8	10	4,99E-06	-2,11	-1,16	-2,31	Homo sapiens PDZ domain containing 8 (PDZD8), mRNA [NM_173791]
SLCO3A1	15	1,83E-04	-2,11	1,13	-1,88	Homo sapiens solute carrier organic anion transporter family, member 3A1 (SLCO3A1), transcript variant 1, mRNA [NM_013272]
	8	9,15E-06	-2,11	1,04	-2,30	lincRNA:chr8:92071874-92082224 reverse strand
PLAC2	19	7,41E-04	-2,11	-1,19	-1,90	Homo sapiens placenta-specific 2 (non-protein coding) (PLAC2), non-coding RNA [NR_027064]
	21	1,21E-05	-2,11	-1,03	-2,56	lincRNA:chr21:29818746-30047176 reverse strand
SLC16A8	22	2,53E-02	-2,11	1,12	-2,66	Homo sapiens solute carrier family 16, member 8 (monocarboxylic acid transporter 3) (SLC16A8), mRNA [NM_013356]
NAV2	11	1,34E-03	-2,11	-1,09	-2,16	Homo sapiens neuron navigator 2 (NAV2), transcript variant 1, mRNA [NM_182964]
FADS1	11	3,92E-05	-2,10	1,03	-2,31	Homo sapiens fatty acid desaturase 1 (FADS1), mRNA [NM_013402]
ANKRD32	5	3,88E-03	-2,10	1,00	-2,42	Homo sapiens ankyrin repeat domain 32

						(ANKRD32), mRNA [NM_032290]
FLJ45244	14	1,96E-03	-2,10	1,10	-1,92	Homo sapiens hypothetical locus FLJ45244 (FLJ45244), non-coding RNA [NR_015415]
	21	7,99E-03	-2,10	-1,24	-2,35	lincRNA:chr21:44922353-44923757 reverse strand
CYP1A1	15	7,62E-04	-2,10	-1,29	-1,68	Homo sapiens cytochrome P450, family 1, subfamily A, polypeptide 1 (CYP1A1), mRNA [NM_000499]
ZNF833P	19	1,44E-02	-2,10	-1,62	-2,21	Homo sapiens zinc finger protein 833, pseudogene (ZNF833P), non-coding RNA [NR_028594]
SPATA13	13	4,57E-03	-2,10	-1,27	-2,41	Homo sapiens spermatogenesis associated 13 (SPATA13), transcript variant 1, mRNA [NM_001166271]
ENAH	1	1,04E-03	-2,10	1,08	-2,91	Homo sapiens enabled homolog (Drosophila) (ENAH), transcript variant 1, mRNA [NM_001008493]
HIST1H1E	6	2,90E-03	-2,10	-1,05	-2,16	Homo sapiens histone cluster 1, H1e (HIST1H1E), mRNA [NM_005321]
BLM	15	1,48E-02	-2,10	1,07	-2,73	Homo sapiens Bloom syndrome, RecQ helicase-like (BLM), mRNA [NM_000057]
HIRIP3	16	2,57E-03	-2,10	1,05	-2,16	Homo sapiens HIRA interacting protein 3 (HIRIP3), mRNA [NM_003609]
AGR2	7	3,42E-03	-2,10	-1,05	-1,76	Homo sapiens anterior gradient homolog 2 (Xenopus laevis) (AGR2), mRNA [NM_006408]
RIBC1	X	8,67E-04	-2,10	1,06	-1,83	Homo sapiens RIB43A domain with coiled-coils 1 (RIBC1), transcript variant 1, mRNA [NM_001031745]
C2orf15	2	1,90E-02	-2,10	1,11	-1,70	Homo sapiens chromosome 2 open reading frame 15 (C2orf15), mRNA [NM_144706]
CHAF1A	19	3,63E-03	-2,09	1,00	-2,08	Homo sapiens chromatin assembly factor 1, subunit A (p150) (CHAF1A), mRNA [NM_005483]

NAT8L	4	7,35E-05	-2,09	1,35	-2,22	Homo sapiens N-acetyltransferase 8-like (GCN5-related, putative) (NAT8L), mRNA [NM_178557]
PBX3	9	1,03E-04	-2,09	-1,02	-2,03	Homo sapiens pre-B-cell leukemia homeobox 3 (PBX3), transcript variant 1, mRNA [NM_006195]
MOSC1	1	1,99E-03	-2,09	1,15	-1,89	Homo sapiens MOCO sulphurase C-terminal domain containing 1 (MOSC1), nuclear gene encoding mitochondrial protein, mRNA [NM_022746]
CAPN12	19	5,72E-04	-2,09	1,14	-2,10	Homo sapiens calpain 12 (CAPN12), mRNA [NM_144691]
ZNF253	19	2,07E-03	-2,09	1,04	-1,87	Homo sapiens zinc finger protein 253 (ZNF253), mRNA [NM_021047]
RMND5A	2	7,06E-03	-2,09	1,04	-1,91	Homo sapiens required for meiotic nuclear division 5 homolog A (S. cerevisiae) (RMND5A), mRNA [NM_022780]
HMGB3	X	1,54E-05	-2,09	1,19	-2,50	Homo sapiens high mobility group box 3 (HMGB3), mRNA [NM_005342]
CCDC152	5	3,35E-02	-2,09	-1,21	-2,64	Homo sapiens coiled-coil domain containing 152 (CCDC152), mRNA [NM_001134848]
EPB41L1	20	5,51E-03	-2,09	1,05	-2,18	Homo sapiens erythrocyte membrane protein band 4.1-like 1 (EPB41L1), transcript variant 1, mRNA [NM_012156]
LOC283861	16	4,35E-04	-2,09	1,05	-2,35	Homo sapiens cDNA FLJ40824 fis, clone TRACH2011113. [AK098143]
MSH2	2	1,01E-02	-2,09	-1,01	-2,47	Homo sapiens mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli) (MSH2), mRNA [NM_000251]
PSD3	8	6,41E-03	-2,09	1,01	-2,24	Homo sapiens pleckstrin and Sec7 domain containing 3 (PSD3), transcript variant 1, mRNA [NM_015310]
STARD13	13	4,28E-03	-2,08	-1,06	-2,15	Homo sapiens StAR-related lipid transfer (START) domain

						containing 13 (STARD13), transcript variant alpha, mRNA [NM_178006]
USP54	10	7,79E-04	-2,08	-1,05	-2,07	Homo sapiens ubiquitin specific peptidase 54 (USP54), mRNA [NM_152586]
THRB	3	9,28E-04	-2,08	-1,12	-2,11	Homo sapiens thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2, avian) (THRB), transcript variant 3, mRNA [NM_001128177]
PLEKHH3	17	1,47E-02	-2,08	-1,05	-2,07	Homo sapiens pleckstrin homology domain containing, family H (with MyTH4 domain) member 3 (PLEKHH3), mRNA [NM_024927]
ZNF10	12	2,69E-03	-2,08	-1,19	-2,25	Homo sapiens zinc finger protein 10 (ZNF10), mRNA [NM_015394]
PPARG	3	5,51E-03	-2,08	1,05	-2,03	Homo sapiens peroxisome proliferator-activated receptor gamma (PPARG), transcript variant 3, mRNA [NM_138711]
XLOC_009313	11	2,92E-02	-2,08	-1,05	-2,49	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
KLHL3	5	9,73E-03	-2,08	1,18	-2,52	Homo sapiens kelch-like 3 (Drosophila) (KLHL3), mRNA [NM_017415]
C21orf34	21	2,14E-03	-2,08	1,19	-3,66	Homo sapiens chromosome 21 open reading frame 34 (C21orf34), transcript variant 1, non-coding RNA [NR_027790]
NFATC3	16	8,62E-04	-2,08	1,06	-2,27	Homo sapiens nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3 (NFATC3), transcript variant 1, mRNA [NM_173165]
PRRT3	3	2,39E-03	-2,08	-1,06	-2,19	Homo sapiens proline-rich transmembrane protein 3 (PRRT3), mRNA [NM_207351]
KIAA1841	2	1,96E-03	-2,08	1,14	-1,68	Homo sapiens

						KIAA1841 (KIAA1841), transcript variant 1, mRNA [NM_001129993]
CXCR7	2	7,89E-03	-2,07	-1,12	-2,35	Homo sapiens chemokine (C-X-C motif) receptor 7 (CXCR7), mRNA [NM_020311]
FZD3	8	2,60E-03	-2,07	1,08	-2,46	Homo sapiens frizzled family receptor 3 (FZD3), transcript variant 1, mRNA [NM_017412]
KIF2C	1	4,16E-02	-2,07	-1,01	-2,84	Homo sapiens kinesin family member 2C (KIF2C), mRNA [NM_006845]
HIST1H4L	6	1,65E-03	-2,07	-1,04	-2,32	Homo sapiens histone cluster 1, H4l (HIST1H4L), mRNA [NM_003546]
SNX18	5	4,52E-03	-2,07	-1,15	-1,94	Homo sapiens sorting nexin 18 (SNX18), transcript variant 2, mRNA [NM_052870]
APC2	19	2,04E-02	-2,07	1,17	-2,82	Homo sapiens adenomatosis polyposis coli 2 (APC2), mRNA [NM_005883]
MEIS1	2	6,81E-04	-2,07	-1,13	-1,89	Homo sapiens Meis homeobox 1 (MEIS1), mRNA [NM_002398]
FLJ40852	7	4,64E-02	-2,07	1,03	-1,76	Homo sapiens hypothetical LOC285962 (FLJ40852), non-coding RNA [NR_015392]
	4	1,96E-02	-2,07	1,32	-2,24	lincRNA:chr4:90602662-90615087 forward strand
CAMKK1	17	1,94E-03	-2,06	-1,10	-2,13	Homo sapiens calcium/calmodulin-dependent protein kinase kinase 1, alpha (CAMKK1), transcript variant 1, mRNA [NM_032294]
RBL1	20	4,34E-03	-2,06	-1,05	-2,05	Homo sapiens retinoblastoma-like 1 (p107) (RBL1), transcript variant 1, mRNA [NM_002895]
NPAS1	19	3,14E-02	-2,06	1,01	-1,88	Homo sapiens neuronal PAS domain protein 1 (NPAS1), mRNA [NM_002517]
	21	3,65E-04	-2,06	-1,11	-2,20	chromosome 21 open reading frame 81 [Source:HGNC Symbol;Acc:16413] [ENST00000442192]

SPATA6	1	1,23E-02	-2,06	1,00	-2,29	Homo sapiens spermatogenesis associated 6 (SPATA6), mRNA [NM_019073]
ID2	2	3,69E-03	-2,06	-1,25	-2,10	Homo sapiens inhibitor of DNA binding 2, dominant negative helix-loop-helix protein (ID2), mRNA [NM_002166]
NFIA	1	1,94E-03	-2,06	-1,01	-2,45	Homo sapiens nuclear factor I/A (NFIA), transcript variant 2, mRNA [NM_005595]
CXXC5	5	5,34E-03	-2,06	-1,02	-1,79	Homo sapiens CXXC finger protein 5 (CXXC5), mRNA [NM_016463]
BEND7	10	5,04E-04	-2,06	1,01	-2,06	Homo sapiens BEN domain containing 7 (BEND7), transcript variant 2, mRNA [NM_001100912]
C16orf53	16	9,54E-05	-2,06	1,01	-2,50	Homo sapiens chromosome 16 open reading frame 53 (C16orf53), mRNA [NM_024516]
TRPS1	8	3,98E-03	-2,06	-1,26	-2,26	Homo sapiens trichorhinophalangeal syndrome I (TRPS1), mRNA [NM_014112]
PPARGC1A	4	4,14E-02	-2,06	-1,10	-2,26	Homo sapiens peroxisome proliferator-activated receptor gamma, coactivator 1 alpha (PPARGC1A), mRNA [NM_013261]
MDM2	12	1,36E-02	-2,06	-1,35	-1,60	Homo sapiens Mdm2 p53 binding protein homolog (mouse) (MDM2), transcript variant MDM2, mRNA [NM_002392]
PRKACB	1	4,07E-02	-2,06	-1,10	-2,12	Homo sapiens protein kinase, cAMP-dependent, catalytic, beta (PRKACB), transcript variant 2, mRNA [NM_002731]
VSX1	20	1,55E-02	-2,06	-1,54	-1,94	Homo sapiens visual system homeobox 1 (VSX1), transcript variant 1, mRNA [NM_014588]
	1	1,13E-02	-2,06	1,23	-1,93	Homo sapiens cDNA FLJ45933 fis, clone PLACE7003639. [AK127830]
BTNL9	5	3,63E-02	-2,06	-1,50	-2,14	Homo sapiens butyrophilin-like 9 (BTNL9), mRNA [NM_152547]
MGC12916	17	3,24E-02	-2,06	1,05	-2,04	Homo sapiens

						hypothetical protein MGC12916 (MGC12916), non-coding RNA [NR_026880]
TUB	11	2,46E-02	-2,05	-1,23	-2,06	Homo sapiens tubby homolog (mouse) (TUB), transcript variant 1, mRNA [NM_003320]
HIST1H4H	6	2,70E-03	-2,05	-1,12	-2,11	Homo sapiens histone cluster 1, H4h (HIST1H4H), mRNA [NM_003543]
LPHN2	1	2,30E-03	-2,05	-1,30	-1,70	Homo sapiens latrophilin 2 (LPHN2), mRNA [NM_012302]
MTERFD3	12	5,28E-04	-2,05	-1,03	-2,12	Homo sapiens MTERF domain containing 3 (MTERFD3), transcript variant 1, mRNA [NM_001033050]
HIST1H4I	6	3,24E-03	-2,05	-1,06	-2,08	Homo sapiens histone cluster 1, H4i (HIST1H4I), mRNA [NM_003495]
UNG	12	1,25E-02	-2,05	1,02	-2,34	Homo sapiens uracil-DNA glycosylase (UNG), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_003362]
RGAG1	X	3,59E-02	-2,05	-1,09	-1,64	Homo sapiens retrotransposon gag domain containing 1 (RGAG1), mRNA [NM_020769]
IL20RB	3	3,40E-04	-2,05	-1,08	-2,19	Homo sapiens interleukin 20 receptor beta (IL20RB), mRNA [NM_144717]
GPR64	X	5,67E-04	-2,05	1,09	-1,88	Homo sapiens G protein-coupled receptor 64 (GPR64), transcript variant 1, mRNA [NM_001079858]
DFNB59	2	2,79E-03	-2,05	1,17	-2,29	Homo sapiens deafness, autosomal recessive 59 (DFNB59), mRNA [NM_001042702]
SPATA19	11	2,40E-02	-2,05	1,11	-2,40	Homo sapiens spermatogenesis associated 19 (SPATA19), mRNA [NM_174927]
LIN7B	19	7,03E-04	-2,05	-1,10	-2,03	Homo sapiens lin-7 homolog B (C. elegans) (LIN7B), mRNA [NM_022165]
TJP3	19	3,70E-02	-2,05	1,07	-1,38	Homo sapiens tight

						junction protein 3 (zona occludens 3) (TJP3), mRNA [NM_014428]
PDXP	22	5,05E-04	-2,05	1,04	-2,33	Homo sapiens pyridoxal (pyridoxine, vitamin B6) phosphatase (PDXP), mRNA [NM_020315]
ZHX3	20	2,78E-04	-2,05	-1,06	-2,24	Homo sapiens zinc fingers and homeoboxes 3 (ZHX3), mRNA [NM_015035]
DSN1	20	5,23E-03	-2,05	1,09	-2,01	Homo sapiens DSN1, MIND kinetochore complex component, homolog (S. cerevisiae) (DSN1), transcript variant 3, mRNA [NM_024918]
FOXO1	13	7,50E-05	-2,05	1,07	-2,14	Homo sapiens forkhead box O1 (FOXO1), mRNA [NM_002015]
CENPO	2	2,63E-02	-2,04	1,06	-2,00	Homo sapiens centromere protein O (CENPO), transcript variant 1, mRNA [NM_024322]
MDM1	12	2,03E-04	-2,04	-1,14	-2,16	Homo sapiens Mdm1 nuclear protein homolog (mouse) (MDM1), transcript variant 2, mRNA [NM_020128]
PDK2	17	2,96E-03	-2,04	1,01	-1,79	Homo sapiens pyruvate dehydrogenase kinase, isozyme 2 (PDK2), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_002611]
RAB40B	17	1,49E-02	-2,04	1,29	-2,08	Homo sapiens RAB40B, member RAS oncogene family (RAB40B), mRNA [NM_006822]
GCLC	6	5,46E-05	-2,04	-1,10	-2,26	Homo sapiens glutamate-cysteine ligase, catalytic subunit (GCLC), transcript variant 1, mRNA [NM_001498]
ELL3	15	5,00E-03	-2,04	1,29	-2,22	Homo sapiens elongation factor RNA polymerase II-like 3 (ELL3), mRNA [NM_025165]
LOC100129196	1	6,13E-03	-2,04	1,46	-2,08	Homo sapiens hypothetical LOC100129196 (LOC100129196), non-coding RNA

						[NR_034182]
PCNA	20	2,72E-02	-2,04	1,02	-2,29	Homo sapiens proliferating cell nuclear antigen (PCNA), transcript variant 1, mRNA [NM_002592]
PPT2	6	2,34E-02	-2,04	-1,28	-1,71	Homo sapiens palmitoyl-protein thioesterase 2 (PPT2), transcript variant 1, mRNA [NM_005155]
CTSL2	9	5,67E-03	-2,04	-1,28	-1,85	Homo sapiens cathepsin L2 (CTSL2), transcript variant 1, mRNA [NM_001333]
ASF1B	19	7,38E-03	-2,04	1,01	-2,30	Homo sapiens ASF1 anti-silencing function 1 homolog B (S. cerevisiae) (ASF1B), mRNA [NM_018154]
KLF12	13	2,93E-03	-2,04	-1,00	-2,53	Homo sapiens Kruppel-like factor 12 (KLF12), mRNA [NM_007249]
	6	3,17E-02	-2,04	1,21	-1,63	lincRNA:chr6:111597396-111599952 forward strand
ARRDC4	15	3,17E-04	-2,04	-1,15	-2,07	Homo sapiens arrestin domain containing 4 (ARRDC4), mRNA [NM_183376]
EFNA3	1	1,66E-02	-2,04	-1,08	-2,07	Homo sapiens ephrin-A3 (EFNA3), mRNA [NM_004952]
CHST10	2	1,44E-02	-2,04	-1,16	-2,42	Homo sapiens carbohydrate sulfotransferase 10 (CHST10), mRNA [NM_004854]
LRIG3	12	4,81E-03	-2,04	-1,10	-2,14	Homo sapiens leucine-rich repeats and immunoglobulin-like domains 3 (LRIG3), transcript variant 2, mRNA [NM_153377]
C7orf68	7	3,19E-04	-2,04	1,17	-2,15	Homo sapiens chromosome 7 open reading frame 68 (C7orf68), transcript variant 1, mRNA [NM_013332]
CD244	1	5,93E-04	-2,04	-1,16	-2,35	Homo sapiens CD244 molecule, natural killer cell receptor 2B4 (CD244), transcript variant 2, mRNA [NM_001166663]
KIF23	15	3,34E-02	-2,04	-1,08	-2,53	Homo sapiens kinesin family member 23 (KIF23), transcript variant 1, mRNA [NM_138555]

FZD8	10	2,05E-03	-2,04	-1,11	-2,40	Homo sapiens frizzled family receptor 8 (FZD8), mRNA [NM_031866]
NFIB	9	8,62E-05	-2,03	-1,19	-2,47	Homo sapiens nuclear factor I/B (NFIB), transcript variant 3, mRNA [NM_005596]
CENPI	X	3,67E-02	-2,03	-1,10	-2,51	Homo sapiens centromere protein I (CENPI), mRNA [NM_006733]
PLCD1	3	8,28E-05	-2,03	-1,18	-1,87	Homo sapiens phospholipase C, delta 1 (PLCD1), transcript variant 2, mRNA [NM_006225]
BRCA2	13	1,59E-02	-2,03	-1,20	-2,48	Homo sapiens breast cancer 2, early onset (BRCA2), mRNA [NM_000059]
IP6K2	3	7,71E-05	-2,03	-1,07	-2,06	Homo sapiens inositol hexakisphosphate kinase 2 (IP6K2), transcript variant 3, mRNA [NM_001005910]
LHX6	9	3,00E-02	-2,03	1,19	-4,07	Homo sapiens LIM homeobox 6 (LHX6), transcript variant 1, mRNA [NM_014368]
NFIB	9	2,93E-03	-2,03	-1,16	-2,17	Homo sapiens nuclear factor I/B (NFIB), transcript variant 3, mRNA [NM_005596]
EME1	17	2,95E-03	-2,03	-1,16	-2,31	Homo sapiens essential meiotic endonuclease 1 homolog 1 (S. pombe) (EME1), transcript variant 2, mRNA [NM_152463]
UBE2CBP	6	3,37E-04	-2,03	1,09	-2,03	Homo sapiens ubiquitin-conjugating enzyme E2C binding protein (UBE2CBP), mRNA [NM_198920]
ZNF69	19	1,15E-03	-2,03	1,13	-2,33	Homo sapiens zinc finger protein 69 (ZNF69), mRNA [NM_021915]
ZCWPW2	3	5,65E-03	-2,03	1,04	-2,50	Homo sapiens zinc finger, CW type with PWWP domain 2 (ZCWPW2), mRNA [NM_001040432]
MST1P9	1	3,97E-02	-2,03	1,21	-1,99	Homo sapiens macrophage stimulating 1 (hepatocyte growth factor-like) pseudogene 9 (MST1P9), non-coding RNA [NR_002729]
SCN7A	2	1,10E-02	-2,03	-1,52	-2,35	Homo sapiens

						sodium channel, voltage-gated, type VII, alpha (SCN7A), mRNA [NM_002976]
MFAP5	12	1,23E-02	-2,03	-1,12	-2,06	Homo sapiens microfibrillar associated protein 5 (MFAP5), mRNA [NM_003480]
LOC340335	7	5,96E-03	-2,03	-1,21	-1,70	Homo sapiens cDNA FLJ23879 fis, clone LNG13743. [AK074459]
SLC26A2	5	7,77E-04	-2,03	1,02	-2,46	Homo sapiens solute carrier family 26 (sulfate transporter), member 2 (SLC26A2), mRNA [NM_000112]
SYCP2	20	2,85E-05	-2,02	1,18	-1,99	Homo sapiens synaptonemal complex protein 2 (SYCP2), mRNA [NM_014258]
RNF165	18	8,34E-03	-2,02	1,30	-2,66	Homo sapiens ring finger protein 165 (RNF165), mRNA [NM_152470]
CNTN3	3	4,26E-03	-2,02	2,06	-2,74	Homo sapiens contactin 3 (plasmacytoma associated) (CNTN3), mRNA [NM_020872]
SMOC2	6	9,31E-03	-2,02	1,23	-2,12	Homo sapiens SPARC related modular calcium binding 2 (SMOC2), transcript variant 1, mRNA [NM_022138]
PALM	19	1,18E-03	-2,02	1,07	-1,84	Homo sapiens paralemmin (PALM), transcript variant 1, mRNA [NM_002579]
CYHR1	8	9,53E-05	-2,02	1,06	-2,08	Homo sapiens cysteine/histidine-rich 1 (CYHR1), transcript variant 2, mRNA [NM_032687]
ENTPD3	3	2,63E-04	-2,02	1,11	-2,03	Homo sapiens ectonucleoside triphosphate diphosphohydrolase 3 (ENTPD3), mRNA [NM_001248]
PLD1	3	1,59E-04	-2,02	-1,07	-1,86	Homo sapiens phospholipase D1, phosphatidylcholine-specific (PLD1), transcript variant 1, mRNA [NM_002662]
DAGLB	7	1,56E-03	-2,02	1,00	-2,04	Homo sapiens diacylglycerol lipase, beta (DAGLB), transcript variant 1, mRNA [NM_139179]
ZNF10	12	5,50E-03	-2,02	1,15	-2,60	Homo sapiens zinc finger protein 10 (ZNF10), mRNA

						[NM_015394]
FHOD3	18	7,38E-04	-2,02	1,03	-2,31	Homo sapiens formin homology 2 domain containing 3 (FHOD3), mRNA [NM_025135]
C14orf167	14	4,01E-03	-2,02	1,03	-1,78	Homo sapiens chromosome 14 open reading frame 167 (C14orf167), transcript variant 1, non-coding RNA [NR_023921]
HTRA1	10	3,08E-05	-2,02	-1,03	-2,19	Homo sapiens HtrA serine peptidase 1 (HTRA1), mRNA [NM_002775]
FEN1	11	3,65E-03	-2,02	1,02	-1,92	Homo sapiens flap structure-specific endonuclease 1 (FEN1), mRNA [NM_004111]
SUFU	10	4,76E-03	-2,02	-1,09	-2,15	Homo sapiens suppressor of fused homolog (Drosophila) (SUFU), transcript variant 1, mRNA [NM_016169]
SPATA13	13	2,12E-02	-2,02	-1,07	-1,97	Homo sapiens spermatogenesis associated 13 (SPATA13), transcript variant 2, mRNA [NM_153023]
	9	3,00E-02	-2,02	-1,08	-3,29	Putative protein FAM27E1 [Source:UniProtKB/Swiss-Prot;Acc:Q5T7N7] [ENST00000377525]
HSD17B3	9	4,08E-02	-2,01	-1,20	-1,95	Homo sapiens hydroxysteroid (17-beta) dehydrogenase 3 (HSD17B3), mRNA [NM_000197]
CDCA8	1	3,70E-02	-2,01	1,02	-2,63	Homo sapiens cell division cycle associated 8 (CDCA8), mRNA [NM_018101]
ARL4A	7	1,55E-04	-2,01	-1,15	-2,26	Homo sapiens ADP-ribosylation factor-like 4A (ARL4A), transcript variant 1, mRNA [NM_005738]
LOC440028	11	7,53E-04	-2,01	-1,43	-1,80	Homo sapiens hypothetical LOC440028 (LOC440028), non-coding RNA [NR_033972]
FAM105A	5	4,16E-02	-2,01	-1,07	-1,68	Homo sapiens family with sequence similarity 105, member A (FAM105A), mRNA [NM_019018]
TONSL	8	9,94E-04	-2,01	-1,00	-2,26	Homo sapiens

						tonsoku-like, DNA repair protein (TONSL), mRNA [NM_013432]
CHML	1	5,34E-05	-2,01	1,02	-2,44	Homo sapiens choroideremia-like (Rab escort protein 2) (CHML), mRNA [NM_001821]
GDF15	19	2,99E-02	-2,01	-1,29	-1,63	Homo sapiens growth differentiation factor 15 (GDF15), mRNA [NM_004864]
	14	1,88E-05	-2,01	1,04	-1,87	lincRNA:chr14:23769122-23770427 reverse strand
SYNGR1	22	4,64E-03	-2,01	-1,11	-1,74	Homo sapiens synaptogyrin 1 (SYNGR1), transcript variant 1b, mRNA [NM_145731]
LOC439911	10	1,79E-03	-2,01	-1,01	-2,34	Homo sapiens cDNA FLJ45542 fis, clone BRTHA2033320. [AK127450]
STARD13	13	2,29E-02	-2,01	-1,21	-2,37	StAR-related lipid transfer (START) domain containing 13 [Source:HGNC Symbol;Acc:19164] [ENST00000487412]
TMSB15B	X	2,08E-03	-2,00	1,10	-2,26	Homo sapiens thymosin beta 15B (TMSB15B), mRNA [NM_194324]
	6	2,10E-02	-2,00	-1,61	-1,47	lincRNA:chr6:139015455-139017888 forward strand
ISM1	20	1,86E-03	-2,00	-1,06	-3,00	Homo sapiens isthmin 1 homolog (zebrafish) (ISM1), mRNA [NM_080826]
CSF1R	5	3,04E-03	-2,00	-1,07	-1,95	Homo sapiens colony stimulating factor 1 receptor (CSF1R), mRNA [NM_005211]
TMEM74	8	4,73E-02	-2,00	-1,23	-2,07	Homo sapiens transmembrane protein 74 (TMEM74), mRNA [NM_153015]
ZNF704	8	1,12E-02	-2,00	1,20	-2,66	Homo sapiens zinc finger protein 704 (ZNF704), mRNA [NM_001033723]
HYLS1	11	6,87E-03	-2,00	1,08	-1,94	Homo sapiens hydrolethalus syndrome 1 (HYLS1), transcript variant 1, mRNA [NM_145014]
ZNF684	1	1,74E-02	-2,00	1,09	-1,99	Homo sapiens zinc finger protein 684 (ZNF684), mRNA [NM_152373]

Supplementary Table E8, IFN-¥ antagonize IL-22 up-regulated genes

GeneSymbol	Chr	p-value	Fold change (IL-22 vs N.T.)	Fold change (IFN-¥ vs N.T.)	Fold change (IFN-¥/IL-22 vs N.T.)	Description
S100A7A	1	5,71E-03	22,14	2,14	5,77	Homo sapiens S100 calcium binding protein A7A (S100A7A), mRNA [NM_176823]
	2	3,41E-02	3,17	2,86	2,55	lincRNA:chr2:70571096-70619246 reverse strand
S100A7	1	2,88E-02	3,13	1,17	1,54	Homo sapiens S100 calcium binding protein A7 (S100A7), mRNA [NM_002963]
LYNX1	8	1,82E-02	3,07	-1,66	-1,18	Homo sapiens Ly6/neurotoxin 1 (LYNX1), transcript variant 1, mRNA [NM_023946]
H2BFXP	X	2,42E-02	2,84	-1,18	1,07	Homo sapiens H2B histone family, member X, pseudogene (H2BFXP), non-coding RNA [NR_003238]
OVCH2	11	4,93E-02	2,44	-1,30	1,16	Homo sapiens ovochymase 2 (gene/pseudogene) (OVCH2), mRNA [NM_198185]
XLOC_014105	21	2,64E-02	2,34	-6,03	-5,20	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
	14	3,89E-02	2,29	1,23	1,15	T cell receptor alpha variable 12-1 [Source:HGNC Symbol;Acc:12105] [ENST00000390433]
NFE2	12	1,04E-03	2,22	-2,94	-1,44	Homo sapiens nuclear factor (erythroid-derived 2), 45kDa (NFE2), transcript variant 1, mRNA [NM_006163]
SERPINB3	18	4,50E-02	2,19	-1,30	-1,03	Homo sapiens serpin peptidase inhibitor, clade B (ovalbumin), member 3 (SERPINB3), mRNA [NM_006919]
VWA1	1	7,52E-03	2,10	-1,24	-1,08	Homo sapiens von Willebrand factor A domain containing 1 (VWA1), transcript variant 1, mRNA [NM_022834]
SERPINB4	18	2,75E-02	2,06	-1,41	-1,12	Homo sapiens serpin peptidase inhibitor, clade B (ovalbumin), member 4 (SERPINB4), mRNA [NM_002974]

CNTN3	3	4,26E-03	2,06	-2,74	-2,02	Homo sapiens contactin 3 (plasmacytoma associated) (CNTN3), mRNA [NM_020872]

Supplementary Table E9, IFN-¥ antagonized IL-22 down-regulated genes

GeneSymbol	Chr	p-value	Fold change (IL-22 vs N.T.)	Fold change (IFN-¥ vs N.T.)	Fold change (IFN-¥/IL-22 vs N.T.)	Description
KCNAB2	1	4,24E-02	-9,04	-10,60	-8,21	Homo sapiens potassium voltage-gated channel, shaker-related subfamily, beta member 2 (KCNAB2), transcript variant 1, mRNA [NM_003636]
C1orf64	1	2,58E-02	-2,54	-1,37	-1,42	Homo sapiens chromosome 1 open reading frame 64 (C1orf64), mRNA [NM_178840]
FCGR2A	1	4,54E-03	-2,08	5,57	4,71	Homo sapiens Fc fragment of IgG, low affinity IIa, receptor (CD32) (FCGR2A), transcript variant 1, mRNA [NM_001136219]
	2	2,94E-03	-3,01	-2,67	-2,79	lincRNA:chr2:136988322-136990815 forward strand
	2	4,81E-02	-2,65	-1,19	-1,14	lincRNA:chr2:177039979-177049079 forward strand
	2	2,47E-02	-2,32	-1,40	-1,42	lincRNA:chr2:8026944-8039786 reverse strand
NFU1	2	1,05E-02	-2,20	-1,36	-2,18	Homo sapiens mRNA; cDNA DKFZp686H1983 (from clone DKFZp686H1983). [BX538347]
	2	3,14E-02	-2,13	-2,37	-1,70	lincRNA:chr2:47558914-47559517 reverse strand
C2orf54	2	4,34E-02	-2,09	-1,22	-1,77	Homo sapiens chromosome 2 open reading frame 54 (C2orf54), transcript variant 2, mRNA [NM_024861]
ECEL1P2	2	2,09E-02	-2,09	-2,12	-1,57	Homo sapiens endothelin converting enzyme-like 1, pseudogene 2 (ECEL1P2), non-coding RNA [NR_028501]
CLEC4F	2	2,01E-02	-2,10	-1,07	1,00	Homo sapiens C-type lectin domain family 4, member F (CLEC4F), mRNA [NM_173535]
MOBP	3	1,03E-02	-2,20	-1,03	-1,17	Homo sapiens myelin-associated oligodendrocyte basic protein (MOBP), mRNA [NM_182935]
POPDC2	3	4,30E-02	-2,19	-1,18	-1,15	Homo sapiens popeye domain

						containing 2 (POPDC2), mRNA [NM_022135]
KIAA1239	4	8,08E-03	-2,21	-1,28	-1,08	Homo sapiens KIAA1239 (KIAA1239), mRNA [NM_001144990]
	4	2,83E-02	-2,14	1,26	1,41	DA825750 PERIC2 Homo sapiens cDNA clone PERIC2006931 5', mRNA sequence [DA825750]
PLEKHG4B	5	2,27E-03	-2,01	1,06	-1,04	Homo sapiens pleckstrin homology domain containing, family G (with RhoGef domain) member 4B (PLEKHG4B), mRNA [NM_052909]
C6orf15	6	1,54E-02	-2,20	-1,69	-1,65	Homo sapiens chromosome 6 open reading frame 15 (C6orf15), mRNA [NM_014070]
TRIM15	6	1,43E-03	-2,02	35,39	28,26	Homo sapiens tripartite motif containing 15 (TRIM15), mRNA [NM_033229]
	7	3,12E-02	-2,33	-5,28	-1,93	lincRNA:chr7:33664500-33886275 forward strand
MMD2	7	2,57E-02	-2,05	-1,68	-1,42	Homo sapiens monocyte to macrophage differentiation-associated 2 (MMD2), transcript variant 2, mRNA [NM_198403]
TXNDC3	7	7,49E-03	-2,29	-1,14	1,37	Homo sapiens thioredoxin domain containing 3 (spermatozoa) (TXNDC3), mRNA [NM_016616]
	8	4,76E-02	-3,48	-2,53	-1,58	lincRNA:chr8:124472369-124499694 forward strand
	9	4,31E-02	-3,70	-2,74	-1,64	lincRNA:chr9:118701880-118718967 forward strand
PRPF18	10	7,88E-03	-2,17	-2,17	-1,94	PRP18 pre-mRNA processing factor 18 homolog (S. cerevisiae) [Source:HGNC Symbol;Acc:17351] [ENST00000320054]
APOC3	11	1,59E-02	-2,36	-3,12	-1,97	Homo sapiens apolipoprotein C-III (APOC3), mRNA [NM_000040]
GRAMD1B	11	1,22E-04	-2,04	3,83	3,84	Homo sapiens GRAM domain containing 1B (GRAMD1B), mRNA [NM_020716]

FAM155A	13	1,82E-02	-3,49	-2,83	-3,21	Homo sapiens family with sequence similarity 155, member A (FAM155A), mRNA [NM_001080396]
	14	1,87E-02	-2,11	-1,15	1,56	lincRNA:chr14:103212622-103220047 reverse strand
CHD2	15	4,60E-02	-2,70	-1,35	-1,64	Homo sapiens CHD2 mRNA, complete cds. [AF006514]
	15	3,86E-02	-2,09	-2,03	-1,25	lincRNA:chr15:96838163-96841252 reverse strand
	16	4,67E-02	-2,44	-1,11	-1,61	lincRNA:chr16:51197849-51212449 reverse strand
ABCC6	16	3,67E-02	-2,05	-1,94	-1,61	Homo sapiens ATP-binding cassette, sub-family C (CFTR/MRP), member 6 (ABCC6), transcript variant 2, mRNA [NM_001079528]
SHISA9	16	2,74E-03	-2,32	1,22	-1,59	Homo sapiens shisa homolog 9 (Xenopus laevis) (SHISA9), transcript variant 2, mRNA [NM_001145205]
	18	4,14E-02	-2,47	-2,60	-2,40	lincRNA:chr18:22513427-22567638 reverse strand
PEG3	19	4,00E-02	-3,00	-4,33	-2,13	Homo sapiens paternally expressed 3 (PEG3), transcript variant 1, mRNA [NM_006210]
	20	3,92E-02	-2,71	-2,17	-1,78	lincRNA:chr20:23121750-23135225 reverse strand
DERL3	22	2,86E-02	-2,04	-1,25	2,09	Homo sapiens Der1-like domain family, member 3 (DERL3), transcript variant 3, mRNA [NM_198440]
LOC100129373	X	1,71E-02	-2,83	-1,03	-1,13	Homo sapiens cDNA FLJ46014 fis, clone SPLEN2011252. [AK127907]
PNMA3	X	2,14E-02	-2,55	-1,92	1,05	Homo sapiens paraneoplastic antigen MA3 (PNMA3), mRNA [NM_013364]
	X	4,25E-02	-2,32	-1,74	1,06	lincRNA:chrX:68406650-68432200 reverse strand

Supplementary Table E10, IL-22 antagonizes IFN-¥ up-regulated genes

GeneSymbol	Chr	p-value	Fold change (IFN-¥ vs N.T.)	Fold change (IL-22 vs N.T.)	Fold change (IFN-¥/IL-22 vs N.T.)	Description
CXCL9	4	1,04E-10	44307,63	-1,00	42377,30	Homo sapiens chemokine (C-X-C motif) ligand 9 (CXCL9), mRNA [NM_002416]
CXCL10	4	1,49E-08	15380,77	1,45	13876,09	Homo sapiens chemokine (C-X-C motif) ligand 10 (CXCL10), mRNA [NM_001565]
CXCL10	4	2,07E-08	9262,72	1,30	8378,90	Homo sapiens chemokine (C-X-C motif) ligand 10 (CXCL10), mRNA [NM_001565]
UBD	6	3,78E-08	7776,31	1,68	7384,25	Homo sapiens ubiquitin D (UBD), mRNA [NM_006398]
CXCL11	4	1,39E-06	6563,29	1,07	6041,58	Homo sapiens chemokine (C-X-C motif) ligand 11 (CXCL11), mRNA [NM_005409]
IDO1	8	3,34E-09	1982,50	1,26	1801,92	Homo sapiens indoleamine 2,3-dioxygenase 1 (IDO1), mRNA [NM_002164]
CIITA	16	4,58E-08	1639,19	1,34	1397,66	Homo sapiens class II, major histocompatibility complex, transactivator (CIITA), mRNA [NM_000246]
CCL2	17	8,34E-07	996,07	1,31	788,00	Homo sapiens chemokine (C-C motif) ligand 2 (CCL2), mRNA [NM_002982]
GBP5	1	2,14E-07	661,49	-1,24	611,11	Homo sapiens guanylate binding protein 5 (GBP5), transcript variant 1, mRNA [NM_052942]
HLA-DRA	6	3,81E-06	581,08	-1,14	514,77	Homo sapiens major histocompatibility complex, class II, DR alpha (HLA-DRA), mRNA [NM_019111]
ETV7	6	2,32E-06	545,84	1,05	422,66	Homo sapiens ets variant 7 (ETV7), transcript variant 1, mRNA [NM_016135]
HLA-DMB	6	5,83E-06	490,49	1,12	462,90	Homo sapiens major histocompatibility complex, class II, DM beta (HLA-DMB), mRNA [NM_002118]
APOL4	22	3,30E-06	412,74	1,97	356,18	Homo sapiens apolipoprotein L, 4 (APOL4), transcript variant a, mRNA [NM_030643]
APOL3	22	2,71E-08	365,30	-1,02	321,48	Homo sapiens

						apolipoprotein L, 3 (APOL3), transcript variant beta/a, mRNA [NM_145641]
BATF2	11	4,60E-10	347,10	1,10	315,71	Homo sapiens basic leucine zipper transcription factor, ATF-like 2 (BATF2), mRNA [NM_138456]
ZBP1	20	1,29E-05	344,36	1,73	261,18	Homo sapiens Z-DNA binding protein 1 (ZBP1), transcript variant 1, mRNA [NM_030776]
XAF1	17	2,52E-06	297,31	1,68	248,11	Homo sapiens XIAP associated factor 1 (XAF1), transcript variant 1, mRNA [NM_017523]
XAF1	17	1,49E-06	228,41	1,37	210,66	Homo sapiens XIAP associated factor 1 (XAF1), transcript variant 1, mRNA [NM_017523]
ICAM1	19	5,19E-08	226,76	1,55	205,19	Homo sapiens intercellular adhesion molecule 1 (ICAM1), mRNA [NM_000201]
AIM2	1	1,07E-05	223,30	1,93	210,08	Homo sapiens absent in melanoma 2 (AIM2), mRNA [NM_004833]
CCL7	17	6,55E-07	195,13	-1,08	140,61	Homo sapiens chemokine (C-C motif) ligand 7 (CCL7), mRNA [NM_006273]
GBP4	1	9,23E-09	181,42	-1,11	160,44	Homo sapiens guanylate binding protein 4 (GBP4), mRNA [NM_052941]
CMPK2	2	2,71E-07	173,56	1,01	145,61	Homo sapiens cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial (CMPK2), nuclear gene encoding mitochondrial protein, mRNA [NM_207315]
GBP2	1	2,70E-08	161,45	1,27	139,11	Homo sapiens guanylate binding protein 2, interferon-inducible (GBP2), mRNA [NM_004120]
SECTM1	17	7,69E-08	159,10	1,75	133,57	Homo sapiens secreted and transmembrane 1 (SECTM1), mRNA [NM_003004]
ZBP1	20	1,96E-06	158,53	1,36	116,48	Homo sapiens Z-DNA binding protein 1 (ZBP1), transcript variant 4, mRNA [NM_001160419]
RSAD2	2	4,05E-05	153,64	-1,21	115,35	Homo sapiens radical S-adenosyl methionine domain

						containing 2 (RSAD2), mRNA [NM_080657]
CCL8	17	4,94E-06	150,67	1,17	111,42	Homo sapiens chemokine (C-C motif) ligand 8 (CCL8), mRNA [NM_005623]
IFIT3	10	4,97E-07	149,14	1,58	132,82	Homo sapiens interferon-induced protein with tetratricopeptide repeats 3 (IFIT3), transcript variant 1, mRNA [NM_001549]
KDR	4	2,89E-04	148,40	1,11	104,79	Homo sapiens kinase insert domain receptor (a type III receptor tyrosine kinase) (KDR), mRNA [NM_002253]
HLA-DQA1	6	3,02E-06	118,02	1,05	97,26	Homo sapiens major histocompatibility complex, class II, DQ alpha 1 (HLA-DQA1), mRNA [NM_002122]
CCRL1	3	8,90E-07	117,61	1,07	98,43	Homo sapiens chemokine (C-C motif) receptor-like 1 (CCRL1), transcript variant 1, mRNA [NM_178445]
IFI44L	1	1,27E-05	113,04	-1,61	88,62	Homo sapiens interferon-induced protein 44-like (IFI44L), mRNA [NM_006820]
HLA-DRB5	6	1,10E-04	100,76	1,02	83,25	Homo sapiens major histocompatibility complex, class II, DR beta 5 (HLA-DRB5), mRNA [NM_002125]
GBP1	1	1,77E-08	95,41	1,20	81,15	Homo sapiens guanylate binding protein 1, interferon-inducible (GBP1), mRNA [NM_002053]
NLRC5	16	1,74E-05	94,67	1,77	82,21	Homo sapiens NLR family, CARD domain containing 5 (NLRC5), mRNA [NM_032206]
CCL5	17	7,76E-04	88,45	1,41	64,81	Homo sapiens chemokine (C-C motif) ligand 5 (CCL5), mRNA [NM_002985]
ZNF114	19	5,36E-04	88,29	1,19	39,81	Homo sapiens zinc finger protein 114 (ZNF114), mRNA [NM_153608]
GJD3	17	1,26E-05	80,49	-1,18	79,95	Homo sapiens gap junction protein, delta 3, 31.9kDa (GJD3), mRNA [NM_152219]
IFIT2	10	4,62E-06	78,37	1,49	63,33	Homo sapiens interferon-induced protein with tetratricopeptide

						repeats 2 (IFIT2), mRNA [NM_001547]
MX1	21	4,89E-07	76,40	1,40	65,14	Homo sapiens myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse) (MX1), transcript variant 2, mRNA [NM_002462]
NNMT	11	1,18E-05	72,48	2,50	64,56	Homo sapiens nicotinamide N-methyltransferase (NNMT), mRNA [NM_006169]
TMPRSS3	21	1,93E-04	71,89	1,82	55,38	Homo sapiens transmembrane protease, serine 3 (TMPRSS3), transcript variant D, mRNA [NM_032405]
NOS2	17	4,13E-04	68,66	1,41	67,24	Homo sapiens nitric oxide synthase 2, inducible (NOS2), mRNA [NM_000625]
HLA-DPA1	6	4,19E-08	67,59	1,07	58,49	Homo sapiens major histocompatibility complex, class II, DP alpha 1 (HLA-DPA1), transcript variant 1, mRNA [NM_033554]
HLA-DOA	6	1,14E-06	66,23	-1,34	52,80	Homo sapiens major histocompatibility complex, class II, DO alpha (HLA-DOA), mRNA [NM_002119]
C1S	12	1,48E-06	62,99	2,26	60,08	Homo sapiens complement component 1, s subcomponent (C1S), transcript variant 2, mRNA [NM_001734]
LOC100131733	12	1,20E-08	62,80	1,33	55,59	Homo sapiens hypothetical LOC100131733 (LOC100131733), non-coding RNA [NR_038996]
IFIT2	10	5,96E-06	62,12	1,38	56,97	Homo sapiens interferon-induced protein with tetratricopeptide repeats 2 (IFIT2), mRNA [NM_001547]
HLA-DQA2	6	7,87E-04	61,97	-1,31	56,52	Homo sapiens major histocompatibility complex, class II, DQ alpha 2 (HLA-DQA2), mRNA [NM_020056]
	1	3,10E-07	61,93	2,18	49,16	lincRNA:chr1:89873237-89890493 forward strand
WARS	14	1,41E-08	59,61	1,01	56,47	Homo sapiens tryptophanyl-tRNA synthetase (WARS), transcript variant 1, mRNA [NM_004184]
IRF1	5	1,52E-07	59,47	1,29	54,40	Homo sapiens

						interferon regulatory factor 1 (IRF1), mRNA [NM_002198]
FAM107A	3	2,63E-05	59,46	1,04	42,50	Homo sapiens family with sequence similarity 107, member A (FAM107A), transcript variant 1, mRNA [NM_007177]
	13	4,82E-04	59,08	-1,18	43,87	immunoresponsive 1 homolog (mouse) [Source:HGNC Symbol;Acc:33904] [ENST00000449753]
HLA-DRB4		6,47E-05	57,81	1,14	47,02	Homo sapiens major histocompatibility complex, class II, DR beta 4 (HLA-DRB4), mRNA [NM_021983]
IL18BP	11	8,50E-07	55,28	-1,00	46,63	Homo sapiens interleukin 18 binding protein (IL18BP), transcript variant A, mRNA [NM_173042]
GBP7	1	4,97E-06	55,11	1,04	37,38	Homo sapiens guanylate binding protein 7 (GBP7), mRNA [NM_207398]
C1R	12	3,18E-07	54,59	1,79	54,26	Homo sapiens complement component 1, r subcomponent (C1R), mRNA [NM_001733]
SSTR2	17	3,88E-06	50,98	1,03	34,73	Homo sapiens somatostatin receptor 2 (SSTR2), mRNA [NM_001050]
SLC15A3	11	4,81E-09	49,16	1,12	43,76	Homo sapiens solute carrier family 15, member 3 (SLC15A3), transcript variant 1, mRNA [NM_016582]
CD74	5	2,87E-07	48,42	1,07	44,40	Homo sapiens CD74 molecule, major histocompatibility complex, class II invariant chain (CD74), transcript variant 3, mRNA [NM_001025158]
SAMD9L	7	2,25E-08	47,78	1,14	41,74	Homo sapiens sterile alpha motif domain containing 9-like (SAMD9L), mRNA [NM_152703]
PDGFRA	4	4,26E-06	47,58	1,32	41,00	Homo sapiens platelet-derived growth factor receptor, alpha polypeptide (PDGFRA), mRNA [NM_006206]
SAMD9L	7	9,17E-09	47,11	1,11	38,50	Homo sapiens sterile alpha motif domain containing 9-like (SAMD9L), mRNA

						[NM_152703]
HAPLN3	15	1,28E-08	46,61	1,03	39,21	Homo sapiens hyaluronan and proteoglycan link protein 3 (HAPLN3), mRNA [NM_178232]
OSTalpha	3	4,77E-04	46,35	-1,08	35,05	Homo sapiens organic solute transporter alpha (OSTalpha), mRNA [NM_152672]
CLIC5	6	5,38E-06	46,04	-1,12	35,70	Homo sapiens chloride intracellular channel 5 (CLIC5), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA [NM_016929]
EPSTI1	13	1,06E-09	41,17	-1,09	37,73	Homo sapiens epithelial stromal interaction 1 (breast) (EPSTI1), transcript variant 2, mRNA [NM_033255]
STAT1	2	1,38E-08	38,79	1,24	35,93	Homo sapiens signal transducer and activator of transcription 1, 91kDa (STAT1), transcript variant beta, mRNA [NM_139266]
SERPING1	11	1,76E-03	37,68	1,30	33,13	Homo sapiens serpin peptidase inhibitor, clade G (C1 inhibitor), member 1 (SERPING1), transcript variant 1, mRNA [NM_000062]
BCL2L14	12	2,96E-06	36,63	-1,21	31,11	Homo sapiens BCL2-like 14 (apoptosis facilitator) (BCL2L14), transcript variant 1, mRNA [NM_138722]
TRIM15	6	1,43E-03	35,39	-2,02	28,26	Homo sapiens tripartite motif containing 15 (TRIM15), mRNA [NM_033229]
APOL4	22	1,76E-07	34,88	1,56	32,45	Homo sapiens apolipoprotein L, 4 (APOL4), transcript variant a, mRNA [NM_030643]
SAMHD1	20	1,13E-07	34,82	1,06	28,41	Homo sapiens SAM domain and HD domain 1 (SAMHD1), mRNA [NM_015474]
TAP1	6	4,79E-08	34,40	1,19	31,47	Homo sapiens transporter 1, ATP-binding cassette, sub-family B (MDR/TAP) (TAP1), mRNA [NM_000593]
C1S	12	7,51E-06	34,17	1,52	30,49	Homo sapiens complement

						component 1, s subcomponent (C1S), transcript variant 1, mRNA [NM_201442]
SERPING1	11	6,36E-04	33,51	-1,03	29,61	Homo sapiens serpin peptidase inhibitor, clade G (C1 inhibitor), member 1 (SERPING1), transcript variant 1, mRNA [NM_000062]
DEFB103B	8	5,83E-04	33,08	4,22	30,19	Homo sapiens defensin, beta 103B (DEFB103B), mRNA [NM_018661]
APOL6	22	3,74E-07	33,05	1,31	28,11	Homo sapiens apolipoprotein L, 6 (APOL6), mRNA [NM_030641]
CLIC2	X	3,22E-06	31,86	-1,44	24,99	Homo sapiens chloride intracellular channel 2 (CLIC2), mRNA [NM_001289]
GIMAP2	7	1,57E-05	30,18	1,19	26,82	Homo sapiens GTPase, IMAP family member 2 (GIMAP2), mRNA [NM_015660]
C1orf68	1	7,43E-06	29,89	-1,05	24,25	Homo sapiens chromosome 1 open reading frame 68 (C1orf68), mRNA [NM_001024679]
EDNRA	4	1,77E-05	29,21	1,53	24,74	Homo sapiens endothelin receptor type A (EDNRA), transcript variant 1, mRNA [NM_001957]
IL15	4	2,22E-07	28,55	1,27	27,68	Homo sapiens interleukin 15 (IL15), transcript variant 2, mRNA [NM_172175]
LYPD5	19	4,40E-06	27,68	2,01	25,43	Homo sapiens LY6/PLAUR domain containing 5 (LYPD5), transcript variant B, mRNA [NM_182573]
	1	5,23E-07	26,53	1,46	23,30	chromosome 1 open reading frame 167 [Source:HGNC Symbol;Acc:25262] [ENST00000433342]
OAS1	12	4,97E-07	26,37	1,07	20,89	Homo sapiens 2',5'-oligoadenylate synthetase 1, 40/46kDa (OAS1), transcript variant 2, mRNA [NM_002534]
IFITM1	11	1,10E-06	26,29	1,54	26,15	Homo sapiens interferon induced transmembrane protein 1 (9-27) (IFITM1), mRNA [NM_003641]
TRIM22	11	9,02E-08	25,99	1,30	23,61	Homo sapiens tripartite motif containing 22

						(TRIM22), transcript variant 1, mRNA [NM_006074]
IFI44	1	2,48E-06	25,98	1,32	21,82	Homo sapiens interferon-induced protein 44 (IFI44), mRNA [NM_006417]
APOL6	22	5,01E-06	25,93	1,27	23,31	Homo sapiens apolipoprotein L, 6 (APOL6), mRNA [NM_030641]
IFITM1	11	1,51E-06	25,00	1,55	24,81	Homo sapiens interferon induced transmembrane protein 1 (9-27) (IFITM1), mRNA [NM_003641]
C13orf16	13	1,17E-06	24,71	-1,11	21,65	Homo sapiens chromosome 13 open reading frame 16 (C13orf16), mRNA [NM_152324]
APOL2	22	7,30E-07	24,47	1,55	22,07	Homo sapiens apolipoprotein L, 2 (APOL2), transcript variant beta, mRNA [NM_145637]
IFI35	17	7,05E-08	24,18	1,06	21,36	Homo sapiens interferon-induced protein 35 (IFI35), mRNA [NM_005533]
OAS2	12	8,78E-08	24,00	1,11	20,84	Homo sapiens 2'-5'-oligoadenylate synthetase 2, 69/71kDa (OAS2), transcript variant 1, mRNA [NM_016817]
CLIC5	6	3,61E-03	22,77	1,36	19,33	Homo sapiens chloride intracellular channel 5 (CLIC5), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA [NM_016929]
CX3CL1	16	3,83E-05	22,34	-1,04	15,16	Homo sapiens chemokine (C-X3-C motif) ligand 1 (CX3CL1), mRNA [NM_002996]
TRIM40	6	1,19E-04	22,27	1,03	17,68	Homo sapiens tripartite motif containing 40 (TRIM40), mRNA [NM_138700]
FAM78B	1	7,09E-05	22,06	-1,14	18,65	Homo sapiens family with sequence similarity 78, member B (FAM78B), mRNA [NM_001017961]
PLXDC1	17	6,07E-06	22,04	1,30	14,22	Homo sapiens plexin domain containing 1 (PLXDC1), mRNA [NM_020405]
HLA-DPB1	6	5,53E-03	21,89	1,02	18,81	Homo sapiens major histocompatibility complex, class II, DP beta 1 (HLA-DPB1),

						mRNA [NM_002121]
CCDC109B	4	2,57E-07	21,43	1,63	19,61	Homo sapiens coiled-coil domain containing 109B (CCDC109B), mRNA [NM_017918]
XLOC_006507	7	2,72E-05	21,37	1,22	18,75	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
HLA-DMA	6	3,74E-07	21,36	1,12	18,88	Homo sapiens major histocompatibility complex, class II, DM alpha (HLA-DMA), mRNA [NM_006120]
OAS3	12	2,47E-07	21,31	1,05	19,42	Homo sapiens 2'-5'-oligoadenylate synthetase 3, 100kDa (OAS3), mRNA [NM_006187]
APOBEC3G	22	1,50E-05	20,80	1,22	20,39	Homo sapiens apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G (APOBEC3G), mRNA [NM_021822]
WDFY4	10	2,68E-04	20,75	-1,03	18,53	Homo sapiens WDFY family member 4 (WDFY4), mRNA [NM_020945]
GBP1P1	1	3,22E-06	20,49	1,05	17,69	Homo sapiens guanylate binding protein 1, interferon-inducible pseudogene 1 (GBP1P1), non-coding RNA [NR_003133]
UBE2L6	11	1,66E-07	20,08	1,18	18,26	Homo sapiens ubiquitin-conjugating enzyme E2L 6 (UBE2L6), transcript variant 2, mRNA [NM_198183]
DDX60	4	5,61E-06	19,77	1,32	18,22	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 60 (DDX60), mRNA [NM_017631]
OAS2	12	5,92E-08	19,67	1,07	17,58	Homo sapiens 2'-5'-oligoadenylate synthetase 2, 69/71kDa (OAS2), transcript variant 2, mRNA [NM_002535]
HLA-DPB1	6	4,45E-03	19,54	1,08	15,74	Homo sapiens major histocompatibility complex, class II, DP beta 1 (HLA-DPB1), mRNA [NM_002121]
RARRES1	3	1,16E-05	19,52	1,02	17,17	Homo sapiens retinoic acid receptor responder (tazarotene induced) 1 (RARRES1), transcript variant 2, mRNA [NM_002888]

IL17C	16	4,70E-03	19,36	2,78	18,16	Homo sapiens interleukin 17C (IL17C), mRNA [NM_013278]
	3	1,35E-03	19,02	3,44	14,38	PREDICTED: Homo sapiens cytokine receptor CRL2 (LOC100287290), mRNA [XM_002342405]
HLA-DPB1	6	2,85E-03	18,77	1,03	15,31	Homo sapiens major histocompatibility complex, class II, DP beta 1 (HLA-DPB1), mRNA [NM_002121]
SOD2	6	1,91E-05	18,64	1,44	18,04	Homo sapiens superoxide dismutase 2, mitochondrial (SOD2), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA [NM_001024465]
PARP9	3	1,89E-06	18,57	1,80	15,75	Homo sapiens poly (ADP-ribose) polymerase family, member 9 (PARP9), transcript variant 1, mRNA [NM_031458]
HLA-DQA1	6	6,12E-05	18,37	-1,39	16,94	Homo sapiens major histocompatibility complex, class II, DQ alpha 1 (HLA-DQA1), mRNA [NM_002122]
FRMD3	9	3,44E-06	18,10	-1,15	17,72	Homo sapiens FERM domain containing 3 (FRMD3), mRNA [NM_174938]
OAS3	12	1,97E-07	18,01	1,12	16,55	Homo sapiens 2'-5'-oligoadenylate synthetase 3, 100kDa (OAS3), mRNA [NM_006187]
RTP4	3	3,84E-07	17,99	1,24	17,21	Homo sapiens receptor (chemosensory) transporter protein 4 (RTP4), mRNA [NM_022147]
HLA-DMA	6	1,55E-06	17,86	1,06	15,86	Homo sapiens major histocompatibility complex, class II, DM alpha (HLA-DMA), mRNA [NM_006120]
LOC100130278	3	1,38E-05	17,83	-1,12	17,70	Homo sapiens cDNA FLJ36795 fis, clone ADRGL2006767. [AK094114]
		3,15E-02	17,79	-1,43	14,75	Uncharacterized protein [Source:UniProtKB/TrEMBL;Acc:E7ET45] [ENST00000552745]
		2,45E-03	17,77	1,05	16,27	major histocompatibility complex, class II, DQ beta 1

						[Source:HGNC Symbol;Acc:4944] [ENST00000399670]
IFI30	19	4,81E-07	17,73	1,14	16,85	Homo sapiens interferon, gamma-inducible protein 30 (IFI30), mRNA [NM_006332]
LAP3	4	6,27E-07	17,68	1,04	16,65	Homo sapiens leucine aminopeptidase 3 (LAP3), mRNA [NM_015907]
FAM20A	17	4,63E-03	17,57	2,57	16,10	Homo sapiens family with sequence similarity 20, member A (FAM20A), transcript variant 1, mRNA [NM_017565]
	3	4,38E-07	17,45	1,13	15,93	lincRNA:chr3:158458205-158461305 forward strand
WDFY4	10	1,52E-03	17,39	1,06	14,90	Homo sapiens WDFY family member 4 (WDFY4), mRNA [NM_020945]
INPP1	2	3,08E-06	17,34	1,08	13,53	Homo sapiens inositol polyphosphate-1-phosphatase (INPP1), transcript variant 2, mRNA [NM_002194]
SOCS3	17	2,08E-04	17,31	2,80	15,69	Homo sapiens suppressor of cytokine signaling 3 (SOCS3), mRNA [NM_003955]
FRMD3	9	9,17E-08	17,21	1,16	17,13	FERM domain containing 3 [Source:HGNC Symbol;Acc:24125] [ENST00000304195]
ATP10A	15	7,58E-04	17,09	1,10	15,11	Homo sapiens ATPase, class V, type 10A (ATP10A), mRNA [NM_024490]
	1	2,95E-06	17,05	-1,19	15,59	lincRNA:chr1:89874262-89947412 forward strand
TBX21	17	3,66E-04	16,87	-1,32	11,91	Homo sapiens T-box 21 (TBX21), mRNA [NM_013351]
BST2	19	5,18E-06	16,49	1,24	15,10	Homo sapiens bone marrow stromal cell antigen 2 (BST2), mRNA [NM_004335]
TRAF1	9	1,49E-03	16,39	-1,33	15,26	Homo sapiens TNF receptor-associated factor 1 (TRAF1), transcript variant 1, mRNA [NM_005658]
HLA-DPA1	6	3,76E-07	16,36	1,01	13,68	Homo sapiens major histocompatibility complex, class II, DP alpha 1 (HLA-DPA1), transcript variant 2, mRNA [NM_001242524]

SERPING1	11	2,21E-06	15,99	1,10	12,98	Homo sapiens serpin peptidase inhibitor, clade G (C1 inhibitor), member 1 (SERPING1), transcript variant 1, mRNA [NM_000062]
OASL	12	1,04E-04	15,95	-1,09	11,43	Homo sapiens 2'-5'-oligoadenylate synthetase-like (OASL), transcript variant 1, mRNA [NM_003733]
RARRES3	11	2,44E-07	15,92	1,02	14,58	Homo sapiens retinoic acid receptor responder (tazarotene induced) 3 (RARRES3), mRNA [NM_004585]
BATF3	1	2,66E-03	15,89	1,29	14,56	Homo sapiens basic leucine zipper transcription factor, ATF-like 3 (BATF3), mRNA [NM_018664]
DDX58	9	8,25E-07	15,87	1,15	15,02	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 58 (DDX58), mRNA [NM_014314]
BST2	19	3,52E-06	15,66	1,16	14,66	bone marrow stromal cell antigen 2 [Source:HGNC Symbol;Acc:1119] [ENST00000252593]
IFIH1	2	2,47E-07	15,55	1,14	13,23	Homo sapiens interferon induced with helicase C domain 1 (IFIH1), mRNA [NM_022168]
TNFRSF1B	1	1,12E-04	15,54	-1,52	11,46	Homo sapiens tumor necrosis factor receptor superfamily, member 1B (TNFRSF1B), mRNA [NM_001066]
PION	7	1,10E-05	15,31	1,03	14,24	Homo sapiens pigeon homolog (Drosophila) (PION), mRNA [NM_017439]
IL15RA	10	1,22E-05	15,31	1,42	15,12	Homo sapiens interleukin 15 receptor, alpha (IL15RA), transcript variant 2, mRNA [NM_172200]
CLU	8	1,82E-05	15,06	-1,04	10,91	Homo sapiens clusterin (CLU), transcript variant 2, mRNA [NM_203339]
PLA2G3	22	1,87E-04	14,95	1,42	10,69	Homo sapiens phospholipase A2, group III (PLA2G3), mRNA [NM_015715]
PARP14	3	3,18E-08	14,93	1,09	12,22	Homo sapiens poly (ADP-ribose) polymerase family, member 14 (PARP14), mRNA [NM_017554]

SP110	2	3,20E-07	14,69	1,37	12,97	Homo sapiens SP110 nuclear body protein (SP110), transcript variant b, mRNA [NM_004510]
ZFYVE28	4	7,05E-04	14,52	2,12	11,35	Homo sapiens zinc finger, FYVE domain containing 28 (ZFYVE28), transcript variant 2, mRNA [NM_020972]
TNFSF13B	13	3,79E-06	14,39	-1,11	11,55	Homo sapiens tumor necrosis factor (ligand) superfamily, member 13b (TNFSF13B), transcript variant 1, mRNA [NM_006573]
SOCS1	16	4,07E-06	14,29	-1,14	11,33	Homo sapiens suppressor of cytokine signaling 1 (SOCS1), mRNA [NM_003745]
IL12RB2	1	4,74E-07	14,16	1,08	13,80	Homo sapiens interleukin 12 receptor, beta 2 (IL12RB2), mRNA [NM_001559]
LAMP3	3	2,19E-03	14,09	1,20	10,91	Homo sapiens lysosomal-associated membrane protein 3 (LAMP3), mRNA [NM_014398]
ITK	5	4,31E-04	13,98	1,04	9,84	Homo sapiens IL2-inducible T-cell kinase (ITK), mRNA [NM_005546]
HLA-DRB1	6	2,53E-06	13,89	-1,05	11,39	Homo sapiens major histocompatibility complex, class II, DR beta 1 (HLA-DRB1), mRNA [NM_002124]
ARHGAP20	11	1,83E-04	13,88	-1,03	12,12	Homo sapiens Rho GTPase activating protein 20 (ARHGAP20), mRNA [NM_020809]
NINJ1	9	4,21E-05	13,86	1,05	12,56	Homo sapiens ninjurin 1 (NINJ1), mRNA [NM_004148]
GLDC	9	3,62E-06	13,80	-1,10	11,87	Homo sapiens glycine dehydrogenase (decarboxylating) (GLDC), nuclear gene encoding mitochondrial protein, mRNA [NM_000170]
SLAMF8	1	3,55E-04	13,79	1,06	11,56	Homo sapiens SLAM family member 8 (SLAMF8), mRNA [NM_020125]
ISG15	1	6,50E-06	13,79	1,14	12,32	Homo sapiens ISG15 ubiquitin-like modifier (ISG15), mRNA [NM_005101]
KIF19	17	4,58E-05	13,61	1,16	12,70	Homo sapiens

						kinesin family member 19 (KIF19), mRNA [NM_153209]
IL15RA	10	1,66E-07	13,43	1,33	12,62	Homo sapiens interleukin 15 receptor, alpha (IL15RA), transcript variant 2, mRNA [NM_172200]
RIPK2	8	4,02E-07	13,35	-1,00	12,31	Homo sapiens receptor-interacting serine-threonine kinase 2 (RIPK2), mRNA [NM_003821]
IRF8	16	3,85E-03	13,32	1,17	10,46	Homo sapiens interferon regulatory factor 8 (IRF8), mRNA [NM_002163]
PDCD1LG2	9	2,54E-07	13,19	1,37	12,23	Homo sapiens programmed cell death 1 ligand 2 (PDCD1LG2), mRNA [NM_025239]
MRGPRX3	11	2,28E-04	13,11	1,32	11,97	Homo sapiens MAS-related GPR, member X3 (MRGPRX3), mRNA [NM_054031]
STEAP4	7	1,52E-04	13,09	1,27	10,52	Homo sapiens STEAP family member 4 (STEAP4), transcript variant 2, mRNA [NM_001205315]
	6	5,99E-04	13,09	-1,01	10,48	major histocompatibility complex, class II, DQ beta 1 [Source:HGNC Symbol;Acc:4944] [ENST00000547498]
PDCD1LG2	9	7,32E-08	13,07	1,16	12,40	Homo sapiens programmed cell death 1 ligand 2 (PDCD1LG2), mRNA [NM_025239]
PSMB8	6	6,48E-07	12,91	1,22	10,73	Homo sapiens proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional peptidase 7) (PSMB8), transcript variant 1, mRNA [NM_004159]
DDX60L	4	1,05E-06	12,77	1,16	11,48	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 60-like (DDX60L), mRNA [NM_001012967]
CD274	9	3,17E-06	12,75	1,04	11,48	Homo sapiens CD274 molecule (CD274), mRNA [NM_014143]
TAP2	6	9,23E-07	12,57	1,07	12,49	Homo sapiens transporter 2, ATP-binding cassette,

						sub-family B (MDR/TAP) (TAP2), transcript variant 1, mRNA [NM_000544]
LOC100129935	19	1,14E-03	12,50	1,04	9,00	Homo sapiens lectin, galactoside-binding, soluble, 14 pseudogene (LOC100129935), non-coding RNA [NR_026870]
IL4I1	19	1,14E-03	12,45	-1,05	10,86	Homo sapiens interleukin 4 induced 1 (IL4I1), transcript variant 2, mRNA [NM_172374]
ST3GAL1	8	1,46E-04	12,27	1,10	10,62	Homo sapiens ST3 beta-galactoside alpha-2,3-sialyltransferase 1 (ST3GAL1), transcript variant 1, mRNA [NM_003033]
KLHDC7B	22	7,94E-05	12,23	1,18	10,33	Homo sapiens kelch domain containing 7B (KLHDC7B), mRNA [NM_138433]
	6	8,61E-04	12,17	1,05	10,45	major histocompatibility complex, class II, DQ alpha 1 [Source:HGNC Symbol;Acc:4942] [ENST00000477036]
SEPX1	16	4,69E-06	12,14	1,34	10,83	Homo sapiens selenoprotein X, 1 (SEPX1), mRNA [NM_016332]
HCAR3	12	2,35E-05	12,07	1,46	11,39	Homo sapiens hydroxycarboxylic acid receptor 3 (HCAR3), mRNA [NM_006018]
HLA-DPB1	6	5,66E-04	12,05	1,03	10,25	Homo sapiens major histocompatibility complex, class II, DP beta 1 (HLA-DPB1), mRNA [NM_002121]
CD274	9	3,16E-07	11,94	-1,09	10,69	Homo sapiens CD274 molecule (CD274), mRNA [NM_014143]
FAM167B	1	3,77E-06	11,88	1,22	11,12	Homo sapiens family with sequence similarity 167, member B (FAM167B), mRNA [NM_032648]
NEURL3	2	9,24E-05	11,88	-1,17	11,24	Homo sapiens neuralized homolog 3 (Drosophila) pseudogene (NEURL3), non-coding RNA [NR_026875]
OAS2	12	6,85E-05	11,70	1,27	11,58	Homo sapiens 2'-5'-oligoadenylate synthetase 2,

						69/71kDa (OAS2), transcript variant 3, mRNA [NM_001032731]
RNF213	17	3,59E-06	11,69	1,18	11,34	Homo sapiens ring finger protein 213 (RNF213), transcript variant 2, mRNA [NM_020954]
CCRL2	3	5,39E-04	11,58	1,43	8,93	Homo sapiens chemokine (C-C motif) receptor-like 2 (CCRL2), transcript variant 1, mRNA [NM_003965]
NMI	2	4,66E-07	11,51	1,24	10,89	Homo sapiens N-myc (and STAT) interactor (NMI), mRNA [NM_004688]
	16	1,14E-04	11,28	1,05	10,78	Homo sapiens, clone IMAGE:5170250, mRNA. [BC029255]
SGPP2	2	7,03E-04	11,26	1,05	9,64	sphingosine-1-phosphate phosphatase 2 [Source:HGNC Symbol;Acc:19953] [ENST00000321276]
TNFAIP2	14	1,91E-03	10,88	-1,06	8,61	Homo sapiens tumor necrosis factor, alpha-induced protein 2 (TNFAIP2), mRNA [NM_006291]
EDNRA	4	6,22E-07	10,80	1,19	8,73	Homo sapiens endothelin receptor type A (EDNRA), transcript variant 1, mRNA [NM_001957]
PLSCR4	3	1,51E-05	10,76	1,74	9,61	Homo sapiens phospholipid scramblase 4 (PLSCR4), transcript variant 2, mRNA [NM_020353]
ZC3HAV1	7	3,17E-06	10,76	1,16	10,13	Homo sapiens zinc finger CCCH-type, antiviral 1 (ZC3HAV1), transcript variant 2, mRNA [NM_024625]
HLA-F	6	2,33E-05	10,36	1,16	9,50	Homo sapiens major histocompatibility complex, class I, F (HLA-F), transcript variant 3, mRNA [NM_001098478]
STAT5A	17	1,53E-04	10,25	1,23	9,02	Homo sapiens signal transducer and activator of transcription 5A (STAT5A), mRNA [NM_003152]
TRIM17	1	1,94E-05	9,94	1,03	8,20	Homo sapiens tripartite motif containing 17 (TRIM17), transcript variant 1, mRNA [NM_016102]
PDE4DIP	1	2,48E-07	9,86	1,05	7,24	Homo sapiens

						phosphodiesterase 4D interacting protein (PDE4DIP), transcript variant 3, mRNA [NM_022359]
FRMD3	9	3,19E-04	9,73	1,02	8,07	Homo sapiens FERM domain containing 3 (FRMD3), mRNA [NM_174938]
ACE2	X	7,55E-07	9,64	1,06	8,72	Homo sapiens angiotensin I converting enzyme (peptidyl-dipeptidase A) 2 (ACE2), mRNA [NM_021804]
MMP25	16	1,20E-07	9,62	1,09	8,45	Homo sapiens matrix metallopeptidase 25 (MMP25), mRNA [NM_022468]
MLKL	16	3,69E-06	9,46	1,26	8,90	Homo sapiens mixed lineage kinase domain-like (MLKL), transcript variant 1, mRNA [NM_152649]
	5	2,32E-04	9,37	-1,93	8,59	lincRNA:chr5:131798076-131807951 forward strand
		1,90E-05	9,35	1,12	8,77	major histocompatibility complex, class I, B [Source:HGNC Symbol;Acc:4932] [ENST00000466304]
	1	1,28E-03	9,33	-1,05	8,75	lincRNA:chr1:204566252-204573127 forward strand
KCTD14	11	1,07E-05	9,31	1,19	8,68	Homo sapiens potassium channel tetramerisation domain containing 14 (KCTD14), mRNA [NM_023930]
PML	15	7,59E-07	9,24	1,23	9,01	Homo sapiens promyelocytic leukemia (PML), transcript variant 1, mRNA [NM_033238]
ABCB9	12	2,66E-06	9,24	1,02	7,70	ATP-binding cassette, sub-family B (MDR/TAP), member 9 [Source:HGNC Symbol;Acc:50] [ENST00000537276]
IL7R	5	5,74E-05	9,16	1,21	8,73	Homo sapiens interleukin 7 receptor (IL7R), mRNA [NM_002185]
C12orf34	12	6,13E-04	9,14	1,12	5,14	Homo sapiens chromosome 12 open reading frame 34 (C12orf34), mRNA [NM_032829]
HCAR2	12	8,05E-05	9,13	1,33	8,46	Homo sapiens hydroxycarboxylic acid receptor 2 (HCAR2), mRNA [NM_177551]
MDGA1	6	5,22E-03	9,09	1,36	8,01	Homo sapiens MAM

						domain containing glycosylphosphatidylinositol anchor 1 (MDGA1), mRNA [NM_153487]
BIRC3	11	1,06E-03	8,85	1,00	7,69	Homo sapiens baculoviral IAP repeat containing 3 (BIRC3), transcript variant 1, mRNA [NM_001165]
PRIC285	20	8,48E-07	8,83	1,13	8,72	Homo sapiens peroxisomal proliferator-activated receptor A interacting complex 285 (PRIC285), transcript variant 1, mRNA [NM_001037335]
SGPP2	2	1,03E-03	8,60	1,08	8,02	Homo sapiens sphingosine-1-phosphate phosphatase 2 (SGPP2), mRNA [NM_152386]
LOC100288902	Un_gl000213	1,70E-02	8,60	-1,30	4,33	PREDICTED: Homo sapiens hypothetical protein LOC100288902 (LOC100288902), mRNA [XM_002343872]
IFIT1B	10	7,48E-03	8,60	-1,30	7,59	Homo sapiens interferon-induced protein with tetratricopeptide repeats 1B (IFIT1B), mRNA [NM_001010987]
HCP5	6	4,58E-06	8,56	1,08	7,64	Homo sapiens HLA complex P5 (HCP5), mRNA [NM_006674]
STX11	6	2,15E-06	8,45	1,17	6,35	Homo sapiens syntaxin 11 (STX11), mRNA [NM_003764]
CXCL2	4	7,50E-07	8,43	1,10	7,67	Homo sapiens chemokine (C-X-C motif) ligand 2 (CXCL2), mRNA [NM_002089]
FBLN5	14	4,29E-05	8,43	1,07	7,21	Homo sapiens fibulin 5 (FBLN5), mRNA [NM_006329]
	8	3,66E-04	8,39	-1,08	7,03	lincRNA:chr8:90617816-90618164 reverse strand
ISG20	15	3,63E-06	8,37	-1,14	8,13	Homo sapiens interferon stimulated exonuclease gene 20kDa (ISG20), mRNA [NM_002201]
TMEM158	3	1,30E-05	8,36	1,09	7,69	Homo sapiens transmembrane protein 158 (gene/pseudogene) (TMEM158), mRNA [NM_015444]
HERC6	4	1,80E-07	8,35	1,20	7,66	Homo sapiens hect

						domain and RLD 6 (HERC6), transcript variant 1, mRNA [NM_017912]
CD7	17	8,51E-04	8,32	-1,27	6,73	Homo sapiens CD7 molecule (CD7), mRNA [NM_006137]
MRGPRX4	11	3,59E-04	8,27	1,07	7,78	Homo sapiens MAS-related GPR, member X4 (MRGPRX4), mRNA [NM_054032]
SIGLEC16	19	6,30E-06	8,22	1,03	7,79	Homo sapiens sialic acid binding Ig-like lectin 16 (gene/pseudogene) (SIGLEC16), non-coding RNA [NR_002825]
PMCH	12	8,84E-04	8,10	1,13	6,44	Homo sapiens pro-melanin-concentrating hormone (PMCH), mRNA [NM_002674]
RNF19B	1	4,65E-06	8,08	-1,02	7,04	Homo sapiens ring finger protein 19B (RNF19B), transcript variant 1, mRNA [NM_153341]
MMP1	11	1,14E-02	8,06	1,38	7,29	Homo sapiens matrix metallopeptidase 1 (interstitial collagenase) (MMP1), transcript variant 1, mRNA [NM_002421]
	3	3,65E-05	7,99	1,03	7,36	lincRNA:chr3:158458223-158461125 forward strand
HSH2D	19	1,16E-05	7,98	1,07	6,50	Homo sapiens hematopoietic SH2 domain containing (HSH2D), mRNA [NM_032855]
PDE4DIP	1	1,33E-06	7,89	-1,05	6,19	Homo sapiens phosphodiesterase 4D interacting protein (PDE4DIP), transcript variant 3, mRNA [NM_022359]
TNF	6	1,92E-04	7,81	-1,02	7,61	Homo sapiens tumor necrosis factor (TNF), mRNA [NM_000594]
RBM11	21	1,08E-03	7,77	1,21	5,66	Homo sapiens RNA binding motif protein 11 (RBM11), mRNA [NM_144770]
PLSCR1	3	3,38E-07	7,77	1,05	7,19	Homo sapiens phospholipid scramblase 1 (PLSCR1), mRNA [NM_021105]
TSIX	X	9,49E-05	7,76	-1,07	6,91	Homo sapiens TSIX transcript, XIST antisense RNA (non-protein coding) (TSIX), antisense RNA [NR_003255]

PDE4DIP	1	2,06E-07	7,72	1,02	5,41	Homo sapiens phosphodiesterase 4D interacting protein (PDE4DIP), transcript variant 1, mRNA [NM_014644]
MX2	21	1,29E-04	7,72	1,27	6,76	Homo sapiens myxovirus (influenza virus) resistance 2 (mouse) (MX2), mRNA [NM_002463]
ALOX12	17	1,04E-03	7,71	-1,10	7,38	Homo sapiens arachidonate 12-lipoxygenase (ALOX12), mRNA [NM_000697]
DPYD	1	1,01E-06	7,70	1,21	6,97	Homo sapiens dihydropyrimidine dehydrogenase (DPYD), transcript variant 1, mRNA [NM_000110]
BATF	14	9,18E-07	7,69	1,09	6,25	Homo sapiens basic leucine zipper transcription factor, ATF-like (BATF), mRNA [NM_006399]
DUOXA2	15	2,97E-03	7,67	-1,13	6,15	Homo sapiens dual oxidase maturation factor 2 (DUOXA2), mRNA [NM_207581]
CLCA3P	1	1,38E-05	7,64	1,05	6,55	Homo sapiens chloride channel accessory 3, pseudogene (CLCA3P), non-coding RNA [NR_024604]
PARP12	7	2,89E-07	7,63	1,18	7,38	Homo sapiens poly (ADP-ribose) polymerase family, member 12 (PARP12), mRNA [NM_022750]
CD53	1	4,57E-03	7,63	-1,21	5,33	Homo sapiens CD53 molecule (CD53), transcript variant 1, mRNA [NM_001040033]
HCG26	6	4,24E-04	7,59	1,04	6,93	Homo sapiens HLA complex group 26 (non-protein coding) (HCG26), non-coding RNA [NR_002812]
HLA-DQB1	6	1,36E-03	7,46	-1,02	6,18	Homo sapiens major histocompatibility complex, class II, DQ beta 1 (HLA-DQB1), mRNA [NM_002123]
CAND2	3	4,84E-05	7,45	-1,02	5,63	Homo sapiens cullin-associated and neddylation-dissociated 2 (putative) (CAND2), transcript variant 2, mRNA [NM_012298]
C2CD4A	15	2,08E-04	7,45	1,65	6,79	Homo sapiens C2 calcium-dependent domain containing

						4A (C2CD4A), mRNA [NM_207322]
TMEM217	6	2,24E-04	7,43	1,10	5,78	Homo sapiens transmembrane protein 217 (TMEM217), transcript variant 1, mRNA [NM_145316]
	1	6,71E-04	7,42	1,06	5,23	phosphodiesterase 4D interacting protein [Source:HGNC Symbol;Acc:15580] [ENST00000479369]
IGFLR1	19	8,57E-06	7,41	1,08	6,36	Homo sapiens IGF-like family receptor 1 (IGFLR1), mRNA [NM_024660]
SLC28A3	9	2,87E-04	7,40	1,29	6,61	Homo sapiens solute carrier family 28 (sodium-coupled nucleoside transporter), member 3 (SLC28A3), transcript variant 2, mRNA [NM_022127]
RASGRP3	2	9,46E-05	7,39	1,29	6,16	Homo sapiens RAS guanyl releasing protein 3 (calcium and DAG-regulated) (RASGRP3), transcript variant 2, mRNA [NM_170672]
TRIM17	1	1,10E-05	7,38	1,02	6,68	Homo sapiens tripartite motif containing 17 (TRIM17), transcript variant 4, mRNA [NM_001134855]
C6orf222	6	3,55E-03	7,36	1,09	5,57	Homo sapiens chromosome 6 open reading frame 222 (C6orf222), mRNA [NM_001010903]
GCH1	14	2,60E-04	7,35	1,11	6,55	Homo sapiens GTP cyclohydrolase 1 (GCH1), transcript variant 1, mRNA [NM_000161]
MUC1	1	1,10E-04	7,33	1,48	6,43	Homo sapiens mucin 1, cell surface associated (MUC1), transcript variant 1, mRNA [NM_002456]
BCL2A1	15	2,31E-03	7,32	1,11	6,68	Homo sapiens BCL2-related protein A1 (BCL2A1), transcript variant 1, mRNA [NM_004049]
	11	1,17E-03	7,32	1,23	6,75	lincRNA:chr11:59026224-59031774 reverse strand
HAS3	16	6,40E-05	7,28	1,26	6,16	Homo sapiens hyaluronan synthase 3 (HAS3), transcript variant 1, mRNA [NM_005329]
CBR3	21	3,49E-05	7,27	1,19	6,28	Homo sapiens carbonyl reductase 3 (CBR3), mRNA

						[NM_001236]
LOC283485	13	6,92E-04	7,26	-1,03	6,85	Homo sapiens cDNA FLJ36543 fis, clone TRACH2006194. [AK093862]
DHX58	17	9,92E-07	7,23	1,14	6,98	Homo sapiens DEXH (Asp-Glu-X-His) box polypeptide 58 (DHX58), mRNA [NM_024119]
MAFB	20	8,50E-05	7,22	1,51	6,61	Homo sapiens v-maf musculoaponeurotic fibrosarcoma oncogene homolog B (avian) (MAFB), mRNA [NM_005461]
PLAUR	19	5,17E-04	7,21	1,22	6,45	Homo sapiens plasminogen activator, urokinase receptor (PLAUR), transcript variant 3, mRNA [NM_001005377]
RASGRP1	15	7,24E-04	7,16	1,34	6,39	Homo sapiens RAS guanyl releasing protein 1 (calcium and DAG-regulated) (RASGRP1), transcript variant 1, mRNA [NM_005739]
	17	1,27E-02	7,13	-1,04	6,52	Homo sapiens, Similar to nitric oxide synthase 2A (inducible, hepatocytes), clone IMAGE:5168672, mRNA. [BC044655]
CFB	6	5,40E-05	7,13	1,32	6,37	Homo sapiens complement factor B (CFB), mRNA [NM_001710]
PDE4DIP	1	4,11E-06	7,11	1,03	5,42	Homo sapiens phosphodiesterase 4D interacting protein (PDE4DIP), transcript variant 9, mRNA [NM_001198834]
PRDM1	6	1,05E-03	7,11	-1,17	6,13	Homo sapiens PR domain containing 1, with ZNF domain (PRDM1), transcript variant 1, mRNA [NM_001198]
MYOM3	1	8,05E-06	7,10	1,34	6,82	Homo sapiens myomesin family, member 3 (MYOM3), mRNA [NM_152372]
IFIT5	10	4,15E-05	6,96	1,10	6,96	Homo sapiens interferon-induced protein with tetratricopeptide repeats 5 (IFIT5), mRNA [NM_012420]
TRIM31	6	1,53E-04	6,96	-1,34	6,94	Homo sapiens tripartite motif containing 31 (TRIM31), mRNA [NM_007028]

SP100	2	1,15E-05	6,95	1,16	6,26	Homo sapiens SP100 nuclear antigen (SP100), transcript variant 2, mRNA [NM_003113]
SLC4A1	17	3,29E-04	6,92	1,11	5,17	Homo sapiens solute carrier family 4, anion exchanger, member 1 (erythrocyte membrane protein band 3, Diego blood group) (SLC4A1), mRNA [NM_000342]
MAFB	20	7,90E-05	6,83	1,57	6,11	Homo sapiens v-maf musculoaponeurotic fibrosarcoma oncogene homolog B (avian) (MAFB), mRNA [NM_005461]
ARHGAP25	2	3,98E-06	6,82	1,18	6,19	Homo sapiens Rho GTPase activating protein 25 (ARHGAP25), transcript variant 1, mRNA [NM_001007231]
KIAA1644	22	8,50E-03	6,79	1,48	4,61	Homo sapiens KIAA1644 (KIAA1644), mRNA [NM_001099294]
CSF2	5	1,11E-02	6,75	-1,06	6,65	Homo sapiens colony stimulating factor 2 (granulocyte-macrophage) (CSF2), mRNA [NM_000758]
CXCL2	4	6,84E-05	6,68	1,30	5,98	Homo sapiens chemokine (C-X-C motif) ligand 2 (CXCL2), mRNA [NM_002089]
FBXO6	1	1,41E-05	6,67	1,14	5,66	Homo sapiens F-box protein 6 (FBXO6), mRNA [NM_018438]
CH25H	10	1,76E-03	6,64	-1,33	6,24	Homo sapiens cholesterol 25-hydroxylase (CH25H), mRNA [NM_003956]
PDZK1IP1	1	1,30E-03	6,55	2,59	6,52	Homo sapiens PDZK1 interacting protein 1 (PDZK1IP1), mRNA [NM_005764]
PDE4DIP	1	3,59E-06	6,54	1,11	5,55	Homo sapiens phosphodiesterase 4D interacting protein (PDE4DIP), transcript variant 9, mRNA [NM_001198834]
	1_gl000192_random	1,22E-04	6,53	-1,09	6,14	Homo sapiens cDNA clone IMAGE:6499259, partial cds. [BC070144]

GGT6	17	7,31E-05	6,52	-1,21	4,61	Homo sapiens gamma-glutamyltransferase 6 (GGT6), transcript variant 2, mRNA [NM_153338]
CD40	20	3,44E-05	6,47	1,07	6,28	Homo sapiens CD40 molecule, TNF receptor superfamily member 5 (CD40), transcript variant 1, mRNA [NM_001250]
C4B	6	3,66E-07	6,46	-1,04	4,64	Homo sapiens complement component 4B (Chido blood group) (C4B), mRNA [NM_001002029]
MTMR9LP	1	6,17E-06	6,45	-1,07	6,27	Homo sapiens myotubularin related protein 9-like, pseudogene (MTMR9LP), non-coding RNA [NR_026850]
	6	1,88E-03	6,44	1,18	5,64	lincRNA:chr6:22147357-22194410 reverse strand
	8	6,00E-04	6,42	-1,05	6,28	lincRNA:chr8:90736857-90737871 reverse strand
PTAFR	1	1,27E-03	6,40	1,19	5,46	Homo sapiens platelet-activating factor receptor (PTAFR), transcript variant 3, mRNA [NM_000952]
SLC10A2	13	3,55E-02	6,39	-1,40	5,34	Homo sapiens solute carrier family 10 (sodium/bile acid cotransporter family), member 2 (SLC10A2), mRNA [NM_000452]
PDP1	8	8,37E-06	6,36	1,23	6,09	Homo sapiens pyruvate dehyrogenase phosphatase catalytic subunit 1 (PDP1), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA [NM_001161779]
C2	6	7,69E-04	6,35	-1,13	5,39	Homo sapiens complement component 2 (C2), transcript variant 3, mRNA [NM_001178063]
INHBB	2	8,58E-03	6,35	1,50	4,62	Homo sapiens inhibin, beta B (INHBB), mRNA [NM_002193]
BTC	4	1,72E-04	6,30	-1,25	5,58	Homo sapiens betacellulin (BTC), mRNA [NM_001729]
LOC646999	7	3,26E-05	6,29	-1,20	5,25	Homo sapiens akirin

						1 pseudogene (LOC646999), non-coding RNA [NR_024390]
HERC6	4	2,99E-04	6,26	-1,30	4,35	Homo sapiens hect domain and RLD 6 (HERC6), transcript variant 2, mRNA [NM_001165136]
NRP2	2	4,90E-05	6,25	1,19	5,63	Homo sapiens neuropilin 2 (NRP2), transcript variant 6, mRNA [NM_201264]
SP140L	2	2,83E-06	6,24	1,01	5,51	Homo sapiens SP140 nuclear body protein-like (SP140L), mRNA [NM_138402]
ITPKC	19	2,21E-04	6,17	1,09	5,04	Homo sapiens inositol-trisphosphate 3-kinase C (ITPKC), mRNA [NM_025194]
HLA-DRB6	6	9,19E-05	6,15	1,05	5,18	Homo sapiens major histocompatibility complex, class II, DR beta 6 (pseudogene) (HLA-DRB6), non-coding RNA [NR_001298]
PRDM1	6	1,76E-03	6,13	-1,18	4,69	Homo sapiens PR domain containing 1, with ZNF domain (PRDM1), transcript variant 1, mRNA [NM_001198]
CD38	4	1,17E-04	6,04	-1,28	5,10	Homo sapiens CD38 molecule (CD38), mRNA [NM_001775]
	3	1,57E-04	6,04	1,05	5,64	lincRNA:chr3:158458205-158460904 forward strand
LOC100128697	10	2,01E-03	6,03	1,58	5,99	Homo sapiens cDNA FLJ42049 fis, clone SPLEN2041720. [AK124043]
MAP3K8	10	5,71E-04	6,02	1,34	4,76	Homo sapiens mitogen-activated protein kinase kinase kinase 8 (MAP3K8), mRNA [NM_005204]
PTN	7	5,37E-05	6,01	-1,55	4,74	Homo sapiens pleiotrophin (PTN), mRNA [NM_002825]
HSPA6	1	1,19E-04	6,00	1,71	4,97	Homo sapiens heat shock 70kDa protein 6 (HSP70B') (HSPA6), mRNA [NM_002155]
CXorf65	X	6,52E-04	6,00	1,32	4,62	Homo sapiens chromosome X open reading frame 65 (CXorf65), transcript variant 1, mRNA [NM_001025265]
CTSO	4	8,96E-09	5,95	1,08	5,86	Homo sapiens cathepsin O (CTSO), mRNA [NM_001334]
TLR3	4	7,61E-05	5,94	1,30	5,73	Homo sapiens toll-like receptor 3

						(TLR3), mRNA [NM_003265]
LMO2	11	4,42E-05	5,94	1,12	5,49	Homo sapiens LIM domain only 2 (rhombotin-like 1) (LMO2), transcript variant 1, mRNA [NM_005574]
TRIM21	11	7,05E-07	5,92	1,14	5,65	Homo sapiens tripartite motif containing 21 (TRIM21), mRNA [NM_003141]
CEACAM1	19	1,66E-05	5,91	1,16	5,66	Homo sapiens carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein) (CEACAM1), transcript variant 1, mRNA [NM_001712]
HSD17B2	16	3,73E-04	5,86	1,62	5,82	Homo sapiens hydroxysteroid (17-beta) dehydrogenase 2 (HSD17B2), mRNA [NM_002153]
ASB2	14	1,14E-04	5,86	1,03	4,43	Homo sapiens ankyrin repeat and SOCS box containing 2 (ASB2), transcript variant 2, mRNA [NM_016150]
GAS1	9	2,40E-04	5,82	1,16	4,71	Homo sapiens growth arrest-specific 1 (GAS1), mRNA [NM_002048]
CD40	20	2,65E-05	5,79	1,03	5,33	Homo sapiens CD40 molecule, TNF receptor superfamily member 5 (CD40), transcript variant 1, mRNA [NM_001250]
IL15RA	10	8,18E-06	5,78	1,30	5,34	Homo sapiens interleukin 15 receptor, alpha (IL15RA), transcript variant 1, mRNA [NM_002189]
DACT1	14	2,55E-03	5,78	-1,03	4,03	Homo sapiens dapper, antagonist of beta-catenin, homolog 1 (Xenopus laevis) (DACT1), transcript variant 1, mRNA [NM_016651]
IRF7	11	3,72E-06	5,77	1,27	5,09	Homo sapiens interferon regulatory factor 7 (IRF7), transcript variant d, mRNA [NM_004031]
APOBEC3A	22	6,36E-03	5,76	-1,96	3,96	Homo sapiens apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3A (APOBEC3A), transcript variant 1, mRNA [NM_145699]
SP140	2	5,47E-07	5,75	-1,04	5,57	Homo sapiens

						SP140 nuclear body protein (SP140), transcript variant 1, mRNA [NM_007237]
C16orf7	16	7,13E-07	5,69	1,02	5,20	Homo sapiens chromosome 16 open reading frame 7 (C16orf7), mRNA [NM_004913]
CTSC	11	1,63E-04	5,64	1,11	5,15	Homo sapiens cathepsin C (CTSC), transcript variant 3, mRNA [NM_001114173]
TDRD7	9	2,32E-05	5,63	1,06	5,30	Homo sapiens tudor domain containing 7 (TDRD7), mRNA [NM_014290]
STARD8	X	6,98E-04	5,59	-1,37	4,63	Homo sapiens StAR-related lipid transfer (START) domain containing 8 (STARD8), transcript variant 2, mRNA [NM_014725]
ADCY4	14	2,60E-04	5,58	1,30	5,45	Homo sapiens adenylate cyclase 4 (ADCY4), transcript variant 2, mRNA [NM_139247]
CIITA	16	1,62E-03	5,58	1,17	4,71	Homo sapiens class II, major histocompatibility complex, transactivator (CIITA), mRNA [NM_000246]
FCGR2A	1	4,54E-03	5,57	-2,08	4,71	Homo sapiens Fc fragment of IgG, low affinity IIa, receptor (CD32) (FCGR2A), transcript variant 1, mRNA [NM_001136219]
VSNL1	2	3,79E-05	5,55	1,17	5,35	Homo sapiens visinin-like 1 (VSNL1), mRNA [NM_003385]
MYCN	2	1,62E-02	5,52	1,08	4,18	Homo sapiens v-myc myelocytomatosis viral related oncogene, neuroblastoma derived (avian) (MYCN), mRNA [NM_005378]
KLHDC7B	22	5,89E-06	5,50	1,13	5,36	Homo sapiens kelch domain containing 7B (KLHDC7B), mRNA [NM_138433]
TAPBPL	12	1,42E-04	5,49	1,08	5,30	Homo sapiens TAP binding protein-like (TAPBPL), mRNA [NM_018009]
GRAMD3	5	2,09E-06	5,46	1,06	4,94	Homo sapiens GRAM domain containing 3 (GRAMD3), transcript variant 2,

						mRNA [NM_023927]
TMEM106A	17	3,89E-05	5,44	-1,34	5,39	Homo sapiens transmembrane protein 106A (TMEM106A), mRNA [NM_145041]
BEST3	12	3,64E-02	5,42	1,06	4,13	Homo sapiens bestrophin 3 (BEST3), transcript variant 1, mRNA [NM_032735]
HLA-DQB1	6	1,07E-03	5,42	1,04	4,61	Homo sapiens major histocompatibility complex, class II, DQ beta 1 (HLA-DQB1), mRNA [NM_002123]
RAB24	5	8,35E-05	5,39	1,02	4,35	Homo sapiens RAB24, member RAS oncogene family (RAB24), transcript variant 1, mRNA [NM_001031677]
HS3ST1	4	3,66E-04	5,38	1,49	5,13	Homo sapiens heparan sulfate (glucosamine) 3-O-sulfotransferase 1 (HS3ST1), mRNA [NM_005114]
CASP1	11	1,64E-07	5,34	1,17	5,21	Homo sapiens caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase) (CASP1), transcript variant alpha, mRNA [NM_033292]
HLA-J	6	7,16E-06	5,33	1,10	4,92	Homo sapiens major histocompatibility complex, class I, J (pseudogene) (HLA-J), non-coding RNA [NR_024240]
TRPM6	9	6,26E-04	5,32	1,18	4,69	Homo sapiens transient receptor potential cation channel, subfamily M, member 6 (TRPM6), transcript variant a, mRNA [NM_017662]
GUCA1B	6	6,31E-06	5,32	1,23	4,87	Homo sapiens guanylate cyclase activator 1B (retina) (GUCA1B), mRNA [NM_002098]
VAMP5	2	4,23E-06	5,30	1,09	4,68	Homo sapiens vesicle-associated membrane protein 5 (myobrevin) (VAMP5), mRNA [NM_006634]
MUC4	3	2,06E-03	5,28	-1,11	4,25	Homo sapiens mucin 4, cell surface associated (MUC4), transcript variant 1, mRNA [NM_018406]
PML	15	9,48E-08	5,27	1,13	4,85	Homo sapiens

						promyelocytic leukemia (PML), transcript variant 8, mRNA [NM_033247]
ZNF878	19	7,72E-04	5,25	1,02	4,55	Homo sapiens zinc finger protein 878 (ZNF878), mRNA [NM_001080404]
CCRN4L	4	7,89E-05	5,25	1,15	4,46	Homo sapiens CCR4 carbon catabolite repression 4-like (S. cerevisiae) (CCRN4L), mRNA [NM_012118]
LOC100129597	13	8,18E-03	5,24	1,49	5,13	PREDICTED: Homo sapiens hypothetical LOC100129597 (LOC100129597), partial miscRNA [XR_110123]
SP100	2	1,46E-05	5,20	-1,16	4,91	Homo sapiens SP100 nuclear antigen (SP100), transcript variant 1, mRNA [NM_001080391]
LYN	8	2,06E-05	5,17	1,52	4,89	Homo sapiens v-yes-1 Yamaguchi sarcoma viral related oncogene homolog (LYN), transcript variant 1, mRNA [NM_002350]
IL12A	3	5,39E-05	5,14	-1,34	4,88	Homo sapiens interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35) (IL12A), mRNA [NM_000882]
DYRK4	12	1,60E-07	5,14	1,09	4,75	Homo sapiens dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 4 (DYRK4), mRNA [NM_003845]
CMPK2	2	1,61E-03	5,13	-1,14	4,79	Homo sapiens cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial, mRNA (cDNA clone MGC:164756 IMAGE:40147165), complete cds. [BC141802]
CASP10	2	1,01E-04	5,13	-1,22	4,25	Homo sapiens caspase 10, apoptosis-related cysteine peptidase (CASP10), transcript variant 2, mRNA [NM_032974]
IRF9	14	1,04E-04	5,12	1,51	4,85	Homo sapiens interferon regulatory factor 9 (IRF9), mRNA [NM_006084]
UBA7	3	5,25E-07	5,08	1,23	5,03	Homo sapiens

						ubiquitin-like modifier activating enzyme 7 (UBA7), mRNA [NM_003335]
GPR143	X	1,70E-04	5,08	1,14	4,64	Homo sapiens G protein-coupled receptor 143 (GPR143), mRNA [NM_000273]
FYB	5	9,89E-06	5,07	1,07	5,00	Homo sapiens FYN binding protein (FYB), transcript variant 1, mRNA [NM_001465]
GCH1	14	4,94E-04	5,05	-1,03	4,59	Homo sapiens GTP cyclohydrolase 1 (GCH1), transcript variant 4, mRNA [NM_001024071]
IFI6	1	9,29E-05	5,05	1,31	4,26	Homo sapiens interferon, alpha-inducible protein 6 (IFI6), transcript variant 3, mRNA [NM_022873]
CASP10	2	8,27E-07	5,04	1,08	4,89	Homo sapiens caspase 10, apoptosis-related cysteine peptidase (CASP10), transcript variant 1, mRNA [NM_032977]
PHF11	13	3,56E-07	5,01	1,18	4,55	Homo sapiens PHD finger protein 11 (PHF11), transcript variant 1, mRNA [NM_001040443]
ALPK1	4	6,97E-06	5,01	1,14	4,98	Homo sapiens alpha-kinase 1 (ALPK1), transcript variant 1, mRNA [NM_025144]
IL1A	2	1,85E-03	5,00	1,03	4,48	Homo sapiens interleukin 1, alpha (IL1A), mRNA [NM_000575]
STEAP4	7	7,85E-05	4,98	-1,08	3,80	Homo sapiens STEAP family member 4 (STEAP4), transcript variant 2, mRNA [NM_001205315]
PION	7	2,24E-04	4,96	-1,24	4,86	pigeon homolog (Drosophila) [Source:HGNC Symbol;Acc:28042] [ENST00000334003]
FLT3LG	19	7,63E-06	4,95	1,10	4,84	Homo sapiens fms-related tyrosine kinase 3 ligand (FLT3LG), transcript variant 3, mRNA [NM_001459]
JAK2	9	1,36E-05	4,92	1,09	4,31	Homo sapiens Janus kinase 2 (JAK2), mRNA [NM_004972]
SERPINB9	6	7,30E-04	4,92	1,21	4,76	Homo sapiens serpin peptidase inhibitor, clade B (ovalbumin), member 9

						(SERPINB9), mRNA [NM_004155]
TNFSF10	3	1,25E-06	4,92	1,29	4,61	Homo sapiens tumor necrosis factor (ligand) superfamily, member 10 (TNFSF10), transcript variant 1, mRNA [NM_003810]
C21orf63	21	1,17E-03	4,91	1,31	4,51	Homo sapiens chromosome 21 open reading frame 63 (C21orf63), mRNA [NM_058187]
	11	1,62E-05	4,90	1,29	4,70	lincRNA:chr11:104774117-104789800 reverse strand
SCN9A	2	6,11E-05	4,89	-1,32	4,04	Homo sapiens sodium channel, voltage-gated, type IX, alpha subunit (SCN9A), mRNA [NM_002977]
NRP2	2	1,03E-04	4,83	1,29	4,78	Homo sapiens neuropilin 2 (NRP2), transcript variant 1, mRNA [NM_201266]
SERPINB2	18	8,94E-05	4,82	-1,17	3,96	Homo sapiens serpin peptidase inhibitor, clade B (ovalbumin), member 2 (SERPINB2), transcript variant 2, mRNA [NM_002575]
CASP5	11	8,27E-06	4,82	1,30	4,61	Homo sapiens caspase 5, apoptosis-related cysteine peptidase (CASP5), transcript variant a, mRNA [NM_004347]
TNFAIP3	6	4,97E-04	4,80	-1,14	4,74	Homo sapiens tumor necrosis factor, alpha-induced protein 3 (TNFAIP3), mRNA [NM_006290]
GSDMD	8	9,44E-05	4,80	1,13	4,62	Homo sapiens gasdermin D (GSDMD), transcript variant 1, mRNA [NM_024736]
CD47	3	3,62E-06	4,79	1,39	4,49	Homo sapiens CD47 molecule (CD47), transcript variant 2, mRNA [NM_198793]
CPNE8	12	8,13E-05	4,77	1,32	4,70	Homo sapiens copine VIII (CPNE8), mRNA [NM_153634]
	2	6,48E-06	4,75	1,42	4,69	lincRNA:chr2:231271206-231276381 forward strand
RAD51D	17	6,93E-05	4,75	-1,02	4,16	Homo sapiens RAD51 homolog D (S. cerevisiae) (RAD51D), transcript variant 1, mRNA [NM_002878]
RNF114	20	1,35E-05	4,74	1,08	4,29	Homo sapiens ring

						finger protein 114 (RNF114), mRNA [NM_018683]
MMP21	10	6,04E-05	4,73	-1,10	4,18	Homo sapiens matrix metallopeptidase 21 (MMP21), mRNA [NM_147191]
RILP	17	6,28E-04	4,72	1,16	4,09	Homo sapiens Rab interacting lysosomal protein (RILP), mRNA [NM_031430]
TMPRSS11A	4	1,32E-02	4,71	1,30	4,26	Homo sapiens transmembrane protease, serine 11A (TMPRSS11A), transcript variant 1, mRNA [NM_182606]
SBNO2	19	4,61E-06	4,70	1,63	4,52	Homo sapiens strawberry notch homolog 2 (Drosophila) (SBNO2), transcript variant 1, mRNA [NM_014963]
IFI27	14	4,39E-06	4,68	1,18	4,62	Homo sapiens interferon, alpha-inducible protein 27 (IFI27), transcript variant 2, mRNA [NM_005532]
HLA-E	6	1,46E-09	4,68	1,09	4,27	Homo sapiens major histocompatibility complex, class I, E (HLA-E), mRNA [NM_005516]
XLOC_004881	5	7,08E-05	4,67	-1,55	3,61	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
ASS1	9	3,25E-03	4,67	1,09	3,75	Homo sapiens argininosuccinate synthase 1 (ASS1), transcript variant 1, mRNA [NM_000050]
USP18	22	2,68E-05	4,64	1,30	4,44	Homo sapiens ubiquitin specific peptidase 18 (USP18), mRNA [NM_017414]
CASP10	2	1,10E-04	4,63	-1,11	3,81	Homo sapiens caspase 10, apoptosis-related cysteine peptidase (CASP10), transcript variant 1, mRNA [NM_032977]
TAGAP	6	1,35E-03	4,61	1,09	3,17	Homo sapiens T-cell activation RhoGTPase activating protein (TAGAP), transcript variant 2, mRNA [NM_054114]
HLA-B	6	4,15E-07	4,60	1,01	4,54	Homo sapiens major histocompatibility complex, class I, B (HLA-B), mRNA [NM_005514]

BTN3A1	6	3,69E-06	4,60	1,22	4,35	Homo sapiens butyrophilin, subfamily 3, member A1 (BTN3A1), transcript variant 1, mRNA [NM_007048]
C2CD4B	15	1,88E-03	4,59	-1,28	4,25	Homo sapiens C2 calcium-dependent domain containing 4B (C2CD4B), mRNA [NM_001007595]
KRT35	17	3,04E-03	4,58	1,00	4,27	Homo sapiens keratin 35 (KRT35), mRNA [NM_002280]
SLC12A7	5	1,82E-07	4,58	-1,02	4,52	Homo sapiens solute carrier family 12 (potassium/chloride transporters), member 7 (SLC12A7), mRNA [NM_006598]
P2RX7	12	1,76E-02	4,54	1,01	3,14	Homo sapiens purinergic receptor P2X, ligand-gated ion channel, 7 (P2RX7), transcript variant 1, mRNA [NM_002562]
DRAM1	12	5,33E-07	4,53	1,08	4,27	Homo sapiens DNA-damage regulated autophagy modulator 1 (DRAM1), mRNA [NM_018370]
HLA-DRB3		1,40E-04	4,52	-1,17	3,60	Homo sapiens major histocompatibility complex, class II, DR beta 3 (HLA-DRB3), mRNA [NM_022555]
TMEM140	7	7,45E-06	4,50	-1,21	3,79	Homo sapiens transmembrane protein 140 (TMEM140), mRNA [NM_018295]
GLYATL1	11	3,66E-04	4,50	1,72	2,85	Homo sapiens glycine-N-acyltransferase-like 1 (GLYATL1), transcript variant 1, mRNA [NM_080661]
DUOX2	15	8,95E-05	4,48	-1,10	3,36	Homo sapiens dual oxidase 2 (DUOX2), mRNA [NM_014080]
SSPN	12	3,66E-05	4,47	-1,07	3,93	Homo sapiens sarcospan (Kras oncogene-associated gene) (SSPN), transcript variant 1, mRNA [NM_005086]
TNFSF10	3	2,75E-05	4,47	1,23	3,65	Homo sapiens tumor necrosis factor (ligand) superfamily, member 10 (TNFSF10), transcript variant 1, mRNA [NM_003810]
NRG1	8	1,26E-04	4,45	1,14	4,35	Homo sapiens neuregulin 1 (NRG1), transcript variant

						HRG-gamma, mRNA [NM_004495]
TRIM25	17	4,55E-06	4,42	1,01	4,14	Homo sapiens tripartite motif containing 25 (TRIM25), mRNA [NM_005082]
HSD3B7	16	4,69E-05	4,42	1,18	4,13	Homo sapiens hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7 (HSD3B7), transcript variant 2, mRNA [NM_001142777]
LOC100288797	20	8,36E-03	4,41	-1,20	3,80	Homo sapiens hypothetical protein LOC100288797 (LOC100288797), mRNA [NM_001167670]
	3	4,92E-04	4,40	1,47	3,67	lincRNA:chr3:106959773-107004511 reverse strand
CCDC3	10	2,92E-05	4,40	-1,22	3,92	Homo sapiens coiled-coil domain containing 3 (CCDC3), mRNA [NM_031455]
LOC100509702	16	9,25E-04	4,39	1,19	3,88	PREDICTED: Homo sapiens hypothetical protein LOC100509702 (LOC100509702), mRNA [XM_003119651]
CASP10	2	2,10E-06	4,39	1,15	4,14	Homo sapiens caspase 10, apoptosis-related cysteine peptidase (CASP10), transcript variant 2, mRNA [NM_032974]
DOC2B	17	3,04E-03	4,38	1,04	3,91	Homo sapiens double C2-like domains, beta (DOC2B), mRNA [NM_003585]
HLA-C	6	5,29E-07	4,38	1,13	4,30	Homo sapiens major histocompatibility complex, class I, C (HLA-C), transcript variant 2, mRNA [NM_001243042]
ERP27	12	8,78E-06	4,37	1,85	3,86	Homo sapiens endoplasmic reticulum protein 27 (ERP27), mRNA [NM_152321]
LACTB	15	8,32E-05	4,36	1,10	3,86	Homo sapiens lactamase, beta (LACTB), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA [NM_171846]
NFKBIA	14	8,39E-05	4,36	1,10	4,14	Homo sapiens

						nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha (NFKBIA), mRNA [NM_020529]
HLA-F	6	9,75E-05	4,34	1,11	4,05	Homo sapiens major histocompatibility complex, class I, F (HLA-F), transcript variant 2, mRNA [NM_018950]
CDK18	1	5,02E-04	4,34	1,02	4,00	Homo sapiens cyclin-dependent kinase 18 (CDK18), transcript variant 1, mRNA [NM_212503]
FAM110C	2	3,06E-04	4,33	1,29	3,52	Homo sapiens family with sequence similarity 110, member C (FAM110C), mRNA [NM_001077710]
IFI16	1	1,18E-04	4,33	1,35	4,23	Homo sapiens interferon, gamma-inducible protein 16 (IFI16), transcript variant 2, mRNA [NM_005531]
PARP3	3	1,95E-05	4,32	1,21	4,01	Homo sapiens poly (ADP-ribose) polymerase family, member 3 (PARP3), transcript variant 2, mRNA [NM_005485]
SERPINB1	6	6,40E-04	4,32	1,36	3,79	Homo sapiens serpin peptidase inhibitor, clade B (ovalbumin), member 1 (SERPINB1), mRNA [NM_030666]
	22	5,04E-03	4,30	-1,21	4,22	lincRNA:chr22:28316350-28322975 reverse strand
MAN1A1	6	1,21E-04	4,28	1,42	4,09	Homo sapiens mannosidase, alpha, class 1A, member 1 (MAN1A1), mRNA [NM_005907]
	7	2,80E-04	4,25	1,31	4,09	lincRNA:chr7:116211205-116254737 reverse strand
LOC100509924	1	2,60E-03	4,24	-1,17	4,08	PREDICTED: Homo sapiens WD repeat-containing protein 65-like (LOC100509924), mRNA [XM_003119794]
FAM110C	2	1,10E-04	4,24	1,30	3,65	Homo sapiens family with sequence similarity 110, member C (FAM110C), mRNA [NM_001077710]
PDE4DIP	1	2,91E-04	4,22	1,40	3,11	Homo sapiens phosphodiesterase 4D interacting protein

						(PDE4DIP), transcript variant 9, mRNA [NM_001198834]
LZTS1	8	9,06E-04	4,20	-1,43	3,07	Homo sapiens leucine zipper, putative tumor suppressor 1 (LZTS1), mRNA [NM_021020]
SHC4	15	9,29E-04	4,17	1,13	4,17	Homo sapiens SHC (Src homology 2 domain containing) family, member 4 (SHC4), mRNA [NM_203349]
TRANK1	3	2,98E-03	4,15	1,09	3,83	Homo sapiens tetratricopeptide repeat and ankyrin repeat containing 1 (TRANK1), mRNA [NM_014831]
CASP4	11	4,50E-06	4,15	1,22	4,09	Homo sapiens caspase 4, apoptosis-related cysteine peptidase (CASP4), transcript variant gamma, mRNA [NM_033306]
RHBDF2	17	5,70E-07	4,11	1,11	3,88	Homo sapiens rhomboid 5 homolog 2 (Drosophila) (RHBDF2), transcript variant 1, mRNA [NM_024599]
CFHR4	1	1,11E-03	4,11	-1,28	3,76	Homo sapiens complement factor H-related 4 (CFHR4), transcript variant 3, mRNA [NM_006684]
MMP10	11	5,22E-03	4,10	1,28	3,64	Homo sapiens matrix metallopeptidase 10 (stromelysin 2) (MMP10), mRNA [NM_002425]
PMAIP1	18	7,42E-06	4,10	-1,10	4,05	Homo sapiens phorbol-12-myristate-13-acetate-induced protein 1 (PMAIP1), mRNA [NM_021127]
CEBPE	14	1,27E-03	4,09	-1,41	3,83	Homo sapiens CCAAT/enhancer binding protein (C/EBP), epsilon (CEBPE), mRNA [NM_001805]
LY96	8	5,72E-06	4,09	-1,11	3,27	Homo sapiens lymphocyte antigen 96 (LY96), transcript variant 1, mRNA [NM_015364]
TMEM173	5	1,40E-04	4,08	1,22	4,02	Homo sapiens transmembrane protein 173 (TMEM173), nuclear gene encoding mitochondrial protein, mRNA [NM_198282]

B2M	15	1,99E-07	4,08	1,13	3,85	Homo sapiens beta-2-microglobulin (B2M), mRNA [NM_004048]
UGDH	4	1,72E-05	4,08	1,15	3,70	Homo sapiens UDP-glucose 6-dehydrogenase (UGDH), transcript variant 1, mRNA [NM_003359]
SLC25A28	10	2,36E-06	4,08	1,13	3,72	Homo sapiens solute carrier family 25, member 28 (SLC25A28), mRNA [NM_031212]
TXK	4	4,04E-03	4,07	1,52	3,27	Homo sapiens TXK tyrosine kinase (TXK), mRNA [NM_003328]
ZEB1	10	5,11E-05	4,07	-1,51	3,82	Homo sapiens zinc finger E-box binding homeobox 1 (ZEB1), transcript variant 1, mRNA [NM_001128128]
TPRN	9	1,37E-03	4,07	-1,06	3,35	Homo sapiens taperin (TPRN), mRNA [NM_001128228]
ASS1	9	3,93E-03	4,06	-1,66	3,68	Homo sapiens argininosuccinate synthase 1 (ASS1), transcript variant 1, mRNA [NM_000050]
ABI3BP	3	7,94E-05	4,06	-1,26	3,56	Homo sapiens ABI family, member 3 (NESH) binding protein (ABI3BP), mRNA [NM_015429]
LAT2	7	2,87E-04	4,06	-1,03	3,45	Homo sapiens linker for activation of T cells family, member 2 (LAT2), transcript variant 1, mRNA [NM_032464]
CSRNP1	3	9,27E-04	4,06	-1,04	3,29	Homo sapiens cysteine-serine-rich nuclear protein 1 (CSRNP1), mRNA [NM_033027]
USP43	17	6,37E-04	4,05	1,08	3,43	Homo sapiens ubiquitin specific peptidase 43 (USP43), mRNA [NM_153210]
NCOA7	6	1,80E-05	4,04	1,04	3,82	Homo sapiens nuclear receptor coactivator 7 (NCOA7), transcript variant 1, mRNA [NM_181782]
LOC154761	7	7,21E-04	4,04	1,52	3,80	Homo sapiens hypothetical LOC154761 (LOC154761), non-coding RNA [NR_015421]
SLC9A7	X	2,98E-04	4,03	-1,04	3,68	Homo sapiens solute carrier family 9

						(sodium/hydrogen exchanger), member 7 (SLC9A7), mRNA [NM_032591]
TEAD4	12	3,45E-06	4,02	1,22	3,84	Homo sapiens TEA domain family member 4 (TEAD4), transcript variant 1, mRNA [NM_003213]
	13	1,07E-04	4,02	1,05	3,78	lincRNA:chr13:106751024-106760449 reverse strand
RND1	12	4,67E-03	4,02	1,06	3,54	Homo sapiens Rho family GTPase 1 (RND1), mRNA [NM_014470]
HBEGF	5	7,03E-04	4,02	1,10	3,38	Homo sapiens heparin-binding EGF-like growth factor (HBEGF), mRNA [NM_001945]
ZNFX1	20	1,74E-04	4,00	1,33	3,60	Homo sapiens zinc finger, NFX1-type containing 1 (ZNFX1), mRNA [NM_021035]
RAPH1	2	1,24E-04	4,00	1,10	3,65	Homo sapiens Ras association (RalGDS/AF-6) and pleckstrin homology domains 1 (RAPH1), transcript variant 1, mRNA [NM_213589]
RNF183	9	2,46E-03	4,00	2,18	3,70	Homo sapiens ring finger protein 183 (RNF183), mRNA [NM_145051]
HDAC4	2	1,71E-02	3,98	1,93	3,13	full-length cDNA clone CS0DI075YH20 of Placenta Cot 25-normalized of Homo sapiens (human). [CR625452]
	22	4,68E-04	3,96	1,30	3,47	ubiquitin specific peptidase 41 [Source:HGNC Symbol;Acc:20070] [ENST00000454608]
TMEM106A	17	4,71E-04	3,96	-1,10	3,89	Homo sapiens transmembrane protein 106A (TMEM106A), mRNA [NM_145041]
HLA-DQB2	6	1,55E-02	3,96	-1,02	3,75	Homo sapiens major histocompatibility complex, class II, DQ beta 2 (HLA-DQB2), mRNA [NM_001198858]
C21orf63	21	6,72E-04	3,96	1,31	3,61	Homo sapiens chromosome 21 open reading frame 63 (C21orf63), mRNA [NM_058187]
GBP6	1	5,95E-05	3,95	-1,12	3,94	Homo sapiens guanylate binding protein family, member 6 (GBP6),

						mRNA [NM_198460]
CFH	1	1,41E-04	3,94	1,17	3,27	Homo sapiens complement factor H (CFH), transcript variant 2, mRNA [NM_001014975]
SSTR2	17	3,07E-02	3,94	-1,08	2,48	Homo sapiens somatostatin receptor 2 (SSTR2), mRNA [NM_001050]
OVOL1	11	7,09E-04	3,93	-1,25	3,20	Homo sapiens ovo-like 1(Drosophila) (OVOL1), mRNA [NM_004561]
CLMN	14	3,11E-05	3,93	1,23	3,80	Homo sapiens calmin (calponin-like, transmembrane) (CLMN), mRNA [NM_024734]
LOC100188947	10	8,41E-05	3,91	-1,17	3,24	Homo sapiens hypothetical LOC100188947 (LOC100188947), non-coding RNA [NR_024467]
C1orf186	1	1,44E-03	3,91	1,04	3,21	Homo sapiens chromosome 1 open reading frame 186 (C1orf186), mRNA [NM_001007544]
GOLM1	9	2,91E-05	3,91	1,17	3,62	Homo sapiens golgi membrane protein 1 (GOLM1), transcript variant 1, mRNA [NM_016548]
RFX5	1	6,01E-07	3,88	1,12	3,79	Homo sapiens regulatory factor X, 5 (influences HLA class II expression) (RFX5), transcript variant 1, mRNA [NM_000449]
LGMN	14	1,06E-05	3,88	1,14	3,12	Homo sapiens legumain (LGMN), transcript variant 2, mRNA [NM_001008530]
CFHR3	1	1,78E-05	3,86	1,15	3,16	Homo sapiens complement factor H-related 3 (CFHR3), transcript variant 1, mRNA [NM_021023]
NLRC5	16	6,39E-06	3,84	-1,10	3,63	Homo sapiens NLR family, CARD domain containing 5 (NLRC5), mRNA [NM_032206]
SLC9A7P1	12	5,93E-04	3,82	-1,11	3,71	Homo sapiens solute carrier family 9 (sodium/hydrogen exchanger), member 7 pseudogene (LOC121456), non-coding RNA [NR_033801]
DENND3	8	8,52E-06	3,82	-1,03	3,36	Homo sapiens DENN/MADD domain containing 3 (DENND3), mRNA

						[NM_014957]
MAP3K8	10	1,25E-03	3,80	1,04	3,63	mitogen-activated protein kinase kinase kinase 8 [Source:HGNC Symbol;Acc:6860] [ENST00000375322]
DPYD	1	4,37E-03	3,80	1,12	2,60	Homo sapiens dihydropyrimidine dehydrogenase (DPYD), transcript variant 2, mRNA [NM_001160301]
BAALC	8	1,26E-05	3,79	1,05	3,57	brain and acute leukemia, cytoplasmic [Source:HGNC Symbol;Acc:14333] [ENST00000297574]
ADCY5	3	3,37E-02	3,78	1,00	2,65	Homo sapiens adenylate cyclase 5 (ADCY5), transcript variant 1, mRNA [NM_183357]
CARHSP1	16	3,62E-06	3,77	1,44	3,68	Homo sapiens calcium regulated heat stable protein 1, 24kDa (CARHSP1), transcript variant 2, mRNA [NM_001042476]
PDZD2	5	4,95E-04	3,76	1,11	3,57	Homo sapiens PDZ domain containing 2 (PDZD2), mRNA [NM_178140]
DENND3	8	5,31E-04	3,76	1,13	3,47	DENN/MADD domain containing 3 [Source:HGNC Symbol;Acc:29134] [ENST00000520482]
	7	2,96E-04	3,75	1,18	3,68	lincRNA:chr7:116211022-116213798 reverse strand
BMP2	20	1,01E-02	3,75	-1,10	3,43	Homo sapiens bone morphogenetic protein 2 (BMP2), mRNA [NM_001200]
STARD5	15	6,03E-06	3,74	1,07	3,36	Homo sapiens StAR-related lipid transfer (START) domain containing 5 (STARD5), mRNA [NM_181900]
TNFAIP8L2	1	2,08E-02	3,72	1,04	2,29	Homo sapiens tumor necrosis factor, alpha-induced protein 8-like 2 (TNFAIP8L2), mRNA [NM_024575]
GOLM1	9	2,03E-05	3,72	1,16	3,14	Homo sapiens golgi membrane protein 1 (GOLM1), transcript variant 1, mRNA [NM_016548]
SP140	2	6,96E-07	3,72	1,05	3,10	Homo sapiens SP140 nuclear body protein (SP140), transcript variant 1, mRNA [NM_007237]

RFX5	1	8,68E-06	3,71	1,15	3,63	Homo sapiens regulatory factor X, 5 (influences HLA class II expression) (RFX5), transcript variant 1, mRNA [NM_000449]
	22	1,28E-03	3,70	1,22	3,55	Homo sapiens cDNA FLJ39598 fis, clone SKNSH2002866. [AK096917]
CARD17	11	1,00E-04	3,69	1,18	3,61	Homo sapiens caspase recruitment domain family, member 17 (CARD17), mRNA [NM_001007232]
TGM5	15	2,16E-03	3,69	1,03	2,65	Homo sapiens transglutaminase 5 (TGM5), transcript variant 1, mRNA [NM_201631]
CFH	1	1,09E-06	3,68	1,05	3,59	Homo sapiens complement factor H (CFH), transcript variant 1, mRNA [NM_000186]
MAP2K3	17	6,29E-04	3,68	1,22	3,45	Homo sapiens mitogen-activated protein kinase kinase 3 (MAP2K3), transcript variant B, mRNA [NM_145109]
TRIM14	9	3,60E-06	3,68	1,15	3,47	Homo sapiens tripartite motif containing 14 (TRIM14), transcript variant 1, mRNA [NM_014788]
WDR45	X	4,03E-03	3,67	1,53	3,44	WD repeat domain 45 [Source:HGNC Symbol;Acc:28912] [ENST00000376357]
MRAS	3	2,81E-05	3,67	1,08	3,52	Homo sapiens muscle RAS oncogene homolog (MRAS), transcript variant 1, mRNA [NM_012219]
LIPH	3	1,06E-04	3,66	-1,57	2,86	Homo sapiens lipase, member H (LIPH), mRNA [NM_139248]
PCGF5	10	2,00E-05	3,66	1,10	3,38	polycomb group ring finger 5 [Source:HGNC Symbol;Acc:28264] [ENST00000490164]
XRN1	3	2,62E-06	3,65	-1,09	3,32	Homo sapiens 5'-3' exoribonuclease 1 (XRN1), transcript variant 1, mRNA [NM_019001]
CSRNP1	3	2,18E-03	3,64	-1,07	3,03	Homo sapiens cysteine-serine-rich nuclear protein 1 (CSRNP1), mRNA [NM_033027]
IRF2	4	4,37E-04	3,64	1,04	3,10	Homo sapiens

						interferon regulatory factor 2 (IRF2), mRNA [NM_002199]
HAAO	2	3,96E-03	3,63	1,08	2,84	Homo sapiens 3-hydroxyanthranilate 3,4-dioxygenase (HAAO), mRNA [NM_012205]
IL10RA	11	1,16E-03	3,63	-1,26	3,45	Homo sapiens interleukin 10 receptor, alpha (IL10RA), transcript variant 1, mRNA [NM_001558]
IL36G	2	7,59E-03	3,62	1,16	3,38	Homo sapiens interleukin 36, gamma (IL36G), mRNA [NM_019618]
FAM46C	1	4,02E-04	3,62	-1,29	2,97	Homo sapiens family with sequence similarity 46, member C (FAM46C), mRNA [NM_017709]
MB21D1	6	3,43E-06	3,61	1,00	3,47	Homo sapiens Mab-21 domain containing 1 (MB21D1), mRNA [NM_138441]
LMO7	13	5,93E-05	3,60	-1,17	2,60	Homo sapiens LIM domain 7 (LMO7), transcript variant 2, mRNA [NM_015842]
XLOC_009868	12	1,60E-03	3,59	1,01	2,71	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
CLDN23	8	2,32E-05	3,59	-1,10	2,93	Homo sapiens claudin 23 (CLDN23), mRNA [NM_194284]
	9	6,72E-05	3,59	-1,35	3,09	T cell receptor beta variable 21/OR9-2 (non-functional) [Source:HGNC Symbol;Acc:12199] [ENST00000331828]
	6	4,18E-05	3,58	-1,09	3,33	lincRNA:chr6:147227807-147238032 reverse strand
CTRL	16	3,63E-02	3,57	1,03	3,13	Homo sapiens chymotrypsin-like (CTRL), mRNA [NM_001907]
CDCP1	3	7,40E-04	3,57	1,04	2,99	Homo sapiens CUB domain containing protein 1 (CDCP1), transcript variant 2, mRNA [NM_178181]
ZNF267	16	1,59E-04	3,55	1,03	3,32	Homo sapiens zinc finger protein 267 (ZNF267), transcript variant 498723, mRNA [NM_003414]
ANO4	12	1,26E-04	3,54	1,09	3,38	Homo sapiens anoctamin 4 (ANO4), mRNA [NM_178826]

CFH	1	9,94E-05	3,54	1,12	2,89	Homo sapiens complement factor H (CFH), transcript variant 2, mRNA [NM_001014975]
TNFRSF9	1	1,72E-02	3,54	-1,21	3,29	Homo sapiens tumor necrosis factor receptor superfamily, member 9 (TNFRSF9), mRNA [NM_001561]
PLEKHF1	19	2,02E-04	3,52	1,09	3,03	Homo sapiens pleckstrin homology domain containing, family F (with FYVE domain) member 1 (PLEKHF1), mRNA [NM_024310]
FMNL1	17	1,98E-03	3,52	1,01	3,48	Homo sapiens formin-like 1 (FMNL1), mRNA [NM_005892]
C3	19	7,77E-04	3,51	1,18	2,82	Homo sapiens complement component 3 (C3), mRNA [NM_000064]
STAT3	17	1,73E-05	3,50	1,44	2,95	Homo sapiens signal transducer and activator of transcription 3 (acute-phase response factor) (STAT3), transcript variant 3, mRNA [NM_213662]
	9	4,23E-03	3,49	-1,46	1,84	lincRNA:chr9:2759256-2760832 reverse strand
TMPRSS11A	4	2,87E-02	3,49	1,08	2,71	Homo sapiens transmembrane protease, serine 11A (TMPRSS11A), transcript variant 1, mRNA [NM_182606]
BBOX1	11	3,32E-04	3,48	-1,35	2,53	Homo sapiens butyrobetaine (gamma), 2-oxoglutarate dioxygenase (gamma-butyrobetaine hydroxylase) 1 (BBOX1), mRNA [NM_003986]
NTN1	17	8,85E-05	3,48	-1,18	3,19	Homo sapiens netrin 1 (NTN1), mRNA [NM_004822]
RTKN	2	1,34E-05	3,46	-1,03	3,20	Homo sapiens rhotekin (RTKN), transcript variant 2, mRNA [NM_033046]
RAB27A	15	1,75E-06	3,46	1,26	3,07	Homo sapiens RAB27A, member RAS oncogene family (RAB27A), transcript variant 1, mRNA [NM_004580]
ZNFX1	20	1,91E-04	3,45	1,03	2,99	Homo sapiens zinc finger, NFX1-type

						containing 1 (ZNFX1), mRNA [NM_021035]
SLC6A14	X	4,90E-03	3,45	1,00	3,03	Homo sapiens solute carrier family 6 (amino acid transporter), member 14 (SLC6A14), mRNA [NM_007231]
	7	4,41E-06	3,43	-1,02	3,35	lincRNA:chr7:130567407-130598069 reverse strand
EDN1	6	3,56E-04	3,43	-1,18	2,86	Homo sapiens endothelin 1 (EDN1), transcript variant 1, mRNA [NM_001955]
MAST4	5	2,94E-04	3,43	-1,01	3,15	Homo sapiens microtubule associated serine/threonine kinase family member 4 (MAST4), transcript variant 2, mRNA [NM_198828]
DOCK10	2	6,01E-05	3,42	-1,15	2,99	Homo sapiens dedicator of cytokinesis 10 (DOCK10), mRNA [NM_014689]
IFNK	9	1,22E-02	3,40	-1,38	3,20	Homo sapiens interferon, kappa (IFNK), mRNA [NM_020124]
ADAMTSL3	15	5,42E-04	3,38	-1,09	2,69	Homo sapiens ADAMTS-like 3 (ADAMTSL3), mRNA [NM_207517]
SH3GL2	9	3,68E-02	3,38	1,43	3,07	Homo sapiens SH3-domain GRB2-like 2 (SH3GL2), mRNA [NM_003026]
EGOT	3	2,08E-03	3,38	1,28	3,18	Homo sapiens eosinophil granule ontogeny transcript (non-protein coding) (EGOT), non-coding RNA [NR_004428]
MAP2K3	17	5,12E-04	3,38	1,04	3,09	Homo sapiens mitogen-activated protein kinase kinase 3 (MAP2K3), transcript variant B, mRNA [NM_145109]
PPAPDC1A	10	1,45E-03	3,38	-1,02	2,52	Homo sapiens phosphatidic acid phosphatase type 2 domain containing 1A (PPAPDC1A), mRNA [NM_001030059]
KIAA0664L3	16	3,35E-03	3,37	1,16	2,66	Homo sapiens KIAA0664-like 3 (KIAA0664L3), non-coding RNA [NR_024034]
MTHFR	1	8,91E-06	3,36	1,05	3,13	Homo sapiens methylenetetrahydrofolate reductase (NAD(P)H)

						(MTHFR), mRNA [NM_005957]
WDR25	14	4,25E-04	3,36	-1,04	3,30	Homo sapiens WD repeat domain 25 (WDR25), transcript variant 1, mRNA [NM_024515]
XLOC_002746	3	2,05E-05	3,36	1,01	3,02	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
C3orf23	3	4,29E-06	3,36	-1,01	2,89	Homo sapiens chromosome 3 open reading frame 23 (C3orf23), transcript variant 3, mRNA [NM_001029840]
SAMD9	7	1,03E-05	3,34	1,01	2,85	Homo sapiens sterile alpha motif domain containing 9 (SAMD9), transcript variant 1, mRNA [NM_017654]
SLC44A4	6	1,71E-02	3,32	1,22	2,60	Homo sapiens solute carrier family 44, member 4 (SLC44A4), transcript variant 1, mRNA [NM_025257]
HLA-A	6	5,06E-04	3,31	1,07	3,11	Homo sapiens major histocompatibility complex, class I, A (HLA-A), transcript variant 1, mRNA [NM_002116]
RAPH1	2	1,18E-04	3,31	-1,21	2,99	Homo sapiens Ras association (RalGDS/AF-6) and pleckstrin homology domains 1 (RAPH1), transcript variant 3, mRNA [NM_203365]
SPOCD1	1	2,09E-05	3,30	-1,05	3,22	Homo sapiens SPOC domain containing 1 (SPOCD1), mRNA [NM_144569]
PSME1	14	3,03E-05	3,29	1,11	3,12	Homo sapiens proteasome (prosome, macropain) activator subunit 1 (PA28 alpha) (PSME1), transcript variant 1, mRNA [NM_006263]
FAM65C	20	7,71E-03	3,28	1,16	3,00	Homo sapiens family with sequence similarity 65, member C (FAM65C), mRNA [NM_080829]
CREM	10	6,14E-05	3,27	1,04	2,91	Homo sapiens cAMP responsive element modulator (CREM), transcript variant 19, mRNA [NM_183013]
DOC2B	17	1,27E-03	3,26	-1,06	2,92	Homo sapiens double C2-like domains, beta (DOC2B), mRNA

						[NM_003585]
C5orf39	5	2,60E-03	3,26	-1,17	3,14	Homo sapiens chromosome 5 open reading frame 39 (C5orf39), mRNA [NM_001014279]
RALA	7	2,86E-05	3,26	1,03	3,17	Homo sapiens v-ral simian leukemia viral oncogene homolog A (ras related) (RALA), mRNA [NM_005402]
ZMYND15	17	1,27E-04	3,25	-1,03	3,16	Homo sapiens zinc finger, MYND-type containing 15 (ZMYND15), transcript variant 2, mRNA [NM_032265]
C5orf13	5	4,88E-03	3,25	1,55	2,91	Homo sapiens chromosome 5 open reading frame 13 (C5orf13), transcript variant 11, mRNA [NM_001142483]
UGCG	9	5,79E-05	3,24	1,10	3,13	Homo sapiens UDP-glucose ceramide glucosyltransferase (UGCG), mRNA [NM_003358]
TNS3	7	1,13E-04	3,23	1,14	3,08	Homo sapiens tensin 3 (TNS3), mRNA [NM_022748]
NAGS	17	2,15E-06	3,22	1,08	3,14	Homo sapiens N-acetylglutamate synthase (NAGS), mRNA [NM_153006]
MARCKSL1	1	7,21E-04	3,22	1,07	2,66	Homo sapiens MARCKS-like 1 (MARCKSL1), mRNA [NM_023009]
CTSC	11	2,30E-06	3,21	1,01	2,85	Homo sapiens cathepsin C (CTSC), transcript variant 2, mRNA [NM_148170]
LGALS14	19	1,20E-02	3,20	1,01	1,91	Homo sapiens lectin, galactoside-binding, soluble, 14 (LGALS14), transcript variant 2, mRNA [NM_203471]
TMCC3	12	4,31E-03	3,19	1,11	3,00	Homo sapiens transmembrane and coiled-coil domain family 3 (TMCC3), mRNA [NM_020698]
CCDC134	22	4,34E-04	3,19	1,12	2,78	Homo sapiens coiled-coil domain containing 134 (CCDC134), mRNA [NM_024821]
RAB3IP	12	2,38E-04	3,18	1,09	3,01	Homo sapiens RAB3A interacting protein (rabin3) (RAB3IP), transcript variant alpha 2, mRNA [NM_175623]
ZFP36	19	2,16E-03	3,17	1,04	2,63	Homo sapiens zinc finger protein 36, C3H type, homolog (mouse) (ZFP36),

						mRNA [NM_003407]
OTUD4	4	4,40E-05	3,17	1,17	2,94	Homo sapiens OTU domain containing 4 (OTUD4), transcript variant 3, mRNA [NM_001102653]
BAK1	6	4,30E-07	3,16	1,10	2,88	Homo sapiens BCL2-antagonist/killer 1 (BAK1), mRNA [NM_001188]
UAP1	1	2,75E-04	3,16	1,20	3,06	Homo sapiens UDP-N-acteylglucosamine pyrophosphorylase 1 (UAP1), mRNA [NM_003115]
FAM70B	13	7,59E-04	3,15	1,10	2,81	Homo sapiens family with sequence similarity 70, member B (FAM70B), mRNA [NM_182614]
C3	19	1,60E-03	3,15	1,12	2,58	Homo sapiens complement component 3 (C3), mRNA [NM_000064]
LMO7	13	3,20E-05	3,15	-1,37	2,31	Homo sapiens LIM domain 7 (LMO7), transcript variant 1, mRNA [NM_005358]
MILR1	17	1,35E-02	3,14	-1,14	2,91	Homo sapiens mast cell immunoglobulin-like receptor 1 (MILR1), mRNA [NM_001085423]
IL1B	2	7,53E-03	3,13	-1,31	3,04	Homo sapiens interleukin 1, beta (IL1B), mRNA [NM_000576]
	8	9,07E-04	3,13	-1,32	3,08	lincRNA:chr8:90623517-90627537 reverse strand
TMTC1	12	2,77E-05	3,12	1,01	2,76	Homo sapiens transmembrane and tetratricopeptide repeat containing 1 (TMTC1), transcript variant 2, mRNA [NM_175861]
MAFF	22	1,47E-03	3,12	1,04	2,71	Homo sapiens v-maf musculoaponeurotic fibrosarcoma oncogene homolog F (avian) (MAFF), transcript variant 1, mRNA [NM_012323]
NCRNA00152	2	2,37E-05	3,12	1,10	2,88	Homo sapiens non-protein coding RNA 152 (NCRNA00152), transcript variant 1, non-coding RNA [NR_024204]
LAMA2	6	6,37E-03	3,11	-1,11	2,97	Homo sapiens laminin, alpha 2 (LAMA2), transcript variant 1, mRNA [NM_000426]
S1PR3	9	1,94E-03	3,11	-1,02	2,48	Homo sapiens sphingosine-1-phosphate receptor 3 (S1PR3), mRNA

						[NM_005226]
DTX4	11	6,86E-05	3,11	1,10	2,84	Homo sapiens deltex homolog 4 (Drosophila) (DTX4), mRNA [NM_015177]
CHRD	3	1,95E-02	3,11	-1,10	2,12	Homo sapiens chordin (CHRD), mRNA [NM_003741]
SPRY4	5	7,52E-05	3,10	1,05	2,75	Homo sapiens sprouty homolog 4 (Drosophila) (SPRY4), transcript variant 1, mRNA [NM_030964]
SDSL	12	6,28E-05	3,10	1,01	2,84	Homo sapiens serine dehydratase-like (SDSL), mRNA [NM_138432]
CACNA1A	19	8,01E-04	3,10	1,06	3,06	Homo sapiens calcium channel, voltage-dependent, P/Q type, alpha 1A subunit (CACNA1A), transcript variant 2, mRNA [NM_023035]
LONRF1	8	9,24E-04	3,10	1,04	2,89	Homo sapiens LON peptidase N-terminal domain and ring finger 1 (LONRF1), mRNA [NM_152271]
CCDC85C	14	1,86E-04	3,09	1,25	2,78	Homo sapiens coiled-coil domain containing 85C (CCDC85C), mRNA [NM_001144995]
PLAU	10	8,29E-04	3,09	1,14	2,86	Homo sapiens plasminogen activator, urokinase (PLAU), transcript variant 2, mRNA [NM_001145031]
AVIL	12	3,60E-02	3,09	-1,50	2,79	Homo sapiens advillin (AVIL), mRNA [NM_006576]
EMP2	16	4,55E-04	3,09	-1,05	2,40	Homo sapiens epithelial membrane protein 2 (EMP2), mRNA [NM_001424]
CXCL17	19	1,57E-03	3,09	1,22	2,56	Homo sapiens chemokine (C-X-C motif) ligand 17 (CXCL17), mRNA [NM_198477]
RBCK1	20	4,31E-04	3,08	1,05	2,93	Homo sapiens RanBP-type and C3HC4-type zinc finger containing 1 (RBCK1), transcript variant 2, mRNA [NM_031229]
ADC	1	9,33E-03	3,07	1,18	2,72	Homo sapiens arginine decarboxylase (ADC), mRNA [NM_052998]
SEC24A	5	4,33E-04	3,07	1,15	2,96	Homo sapiens SEC24 family, member A (S. cerevisiae)

						(SEC24A), mRNA [NM_021982]
STAMBPL1	10	4,26E-03	3,06	1,21	2,50	Homo sapiens STAM binding protein-like 1 (STAMBPL1), mRNA [NM_020799]
FBXL5	4	5,95E-05	3,05	1,12	2,76	Homo sapiens F-box and leucine-rich repeat protein 5 (FBXL5), transcript variant 1, mRNA [NM_012161]
ADAR	1	1,73E-06	3,05	1,16	2,86	Homo sapiens adenosine deaminase, RNA-specific (ADAR), transcript variant 1, mRNA [NM_001111]
BDKRB1	14	9,52E-05	3,03	1,01	2,66	Homo sapiens bradykinin receptor B1 (BDKRB1), mRNA [NM_000710]
TGFA	2	1,68E-03	3,01	1,09	2,83	Homo sapiens transforming growth factor, alpha (TGFA), transcript variant 1, mRNA [NM_003236]
TP53BP2	1	1,15E-03	3,01	1,08	2,89	Homo sapiens tumor protein p53 binding protein, 2 (TP53BP2), transcript variant 2, mRNA [NM_005426]
TMEM62	15	8,94E-04	3,01	1,14	2,65	Homo sapiens transmembrane protein 62 (TMEM62), mRNA [NM_024956]
FOSL1	11	1,60E-04	3,01	1,07	2,76	Homo sapiens FOS-like antigen 1 (FOSL1), mRNA [NM_005438]
PCYT1A	3	1,03E-04	3,00	1,05	2,72	Homo sapiens phosphate cytidylyltransferase 1, choline, alpha (PCYT1A), mRNA [NM_005017]
TRIB1	8	4,35E-05	3,00	-1,00	2,71	Homo sapiens tribbles homolog 1 (Drosophila) (TRIB1), mRNA [NM_025195]
IL8	4	1,12E-03	2,99	1,41	2,40	interleukin 8 [Source:HGNC Symbol;Acc:6025] [ENST00000401931]
ARHGAP31	3	3,02E-02	2,99	1,12	2,48	Homo sapiens Rho GTPase activating protein 31 (ARHGAP31), mRNA [NM_020754]
FLJ32255	5	3,21E-04	2,99	1,27	2,66	PREDICTED: Homo sapiens hypothetical LOC643977 (FLJ32255), partial miscRNA [XR_108575]
LOC646976	1	1,64E-02	2,97	-1,70	1,89	Homo sapiens cDNA FLJ38763 fis, clone

						KIDNE2014119. [AK096082]
STYK1	12	8,98E-04	2,97	1,06	2,89	Homo sapiens serine/threonine/tyrosine kinase 1 (STYK1), mRNA [NM_018423]
CARD11	7	3,67E-04	2,96	1,08	2,59	Homo sapiens caspase recruitment domain family, member 11 (CARD11), mRNA [NM_032415]
ZNF276	16	7,08E-05	2,95	1,21	2,70	Homo sapiens zinc finger protein 276 (ZNF276), transcript variant a, mRNA [NM_001113525]
PVR	19	9,55E-05	2,95	1,11	2,67	Homo sapiens poliovirus receptor (PVR), transcript variant 1, mRNA [NM_006505]
P2RX7	12	4,52E-04	2,95	-1,05	2,60	Homo sapiens purinergic receptor P2X, ligand-gated ion channel, 7 (P2RX7), transcript variant 1, mRNA [NM_002562]
ITGB6	2	4,20E-04	2,95	-1,01	2,83	Homo sapiens integrin, beta 6 (ITGB6), mRNA [NM_000888]
TNFAIP8	5	6,03E-05	2,95	1,07	2,89	Homo sapiens tumor necrosis factor, alpha-induced protein 8 (TNFAIP8), transcript variant 1, mRNA [NM_014350]
BDKRB2	14	3,70E-04	2,95	1,11	2,68	Homo sapiens bradykinin receptor B2 (BDKRB2), mRNA [NM_000623]
TSPAN15	10	1,31E-02	2,94	1,17	2,47	Homo sapiens tetraspanin 15 (TSPAN15), mRNA [NM_012339]
HLA-G	6	8,72E-05	2,94	1,04	2,91	Homo sapiens major histocompatibility complex, class I, G (HLA-G), mRNA [NM_002127]
C10orf47	10	5,16E-04	2,93	1,41	2,73	Homo sapiens chromosome 10 open reading frame 47 (C10orf47), mRNA [NM_153256]
NT5C3	7	1,02E-05	2,93	1,08	2,76	Homo sapiens 5'-nucleotidase, cytosolic III (NT5C3), transcript variant 1, mRNA [NM_001002010]
NBN	8	2,64E-04	2,92	1,18	2,87	Homo sapiens nibrin (NBN), mRNA [NM_002485]

SEC24A	5	6,22E-04	2,92	-1,02	2,75	Homo sapiens SEC24 family, member A (S. cerevisiae), mRNA (cDNA clone MGC:12985 IMAGE:3355949), complete cds. [BC019341]
MBP	18	2,17E-02	2,92	-1,06	2,50	Homo sapiens myelin basic protein (MBP), transcript variant 7, mRNA [NM_001025101]
MCTP1	5	8,68E-03	2,91	1,10	2,86	Homo sapiens multiple C2 domains, transmembrane 1 (MCTP1), transcript variant L, mRNA [NM_024717]
KLHL6	3	1,30E-02	2,91	-1,13	2,47	Homo sapiens kelch-like 6 (Drosophila) (KLHL6), mRNA [NM_130446]
CSF1	1	1,49E-04	2,91	-1,08	2,53	Homo sapiens colony stimulating factor 1 (macrophage) (CSF1), transcript variant 1, mRNA [NM_000757]
SDCBP2	20	3,08E-03	2,91	1,02	2,22	Homo sapiens syndecan binding protein (syntenin) 2 (SDCBP2), transcript variant 1, mRNA [NM_080489]
CD70	19	3,30E-02	2,91	-1,21	2,63	Homo sapiens CD70 molecule (CD70), mRNA [NM_001252]
STAT3	17	3,23E-05	2,90	1,28	2,65	Homo sapiens signal transducer and activator of transcription 3 (acute-phase response factor) (STAT3), transcript variant 3, mRNA [NM_213662]
BCAP29	7	5,00E-05	2,90	1,07	2,78	Homo sapiens B-cell receptor-associated protein 29 (BCAP29), transcript variant 2, mRNA [NM_018844]
HLA-DPB2	6	5,97E-04	2,88	-1,18	2,84	Homo sapiens major histocompatibility complex, class II, DP beta 2 (pseudogene) (HLA-DPB2), non-coding RNA [NR_001435]
COL27A1	9	1,73E-03	2,88	-1,04	2,87	collagen, type XXVII, alpha 1 [Source:HGNC Symbol;Acc:22986] [ENST00000374106]
	6	9,18E-04	2,87	-1,13	2,72	major histocompatibility complex, class I, A

						[Source:HGNC Symbol;Acc:4931] [ENST00000464610]
PDE4DIP	1	3,18E-02	2,86	-1,36	1,64	Homo sapiens phosphodiesterase 4D interacting protein (PDE4DIP), transcript variant 9, mRNA [NM_001198834]
CAMTA1	1	1,24E-02	2,86	1,18	2,85	Homo sapiens calmodulin binding transcription activator 1 (CAMTA1), transcript variant 1, mRNA [NM_015215]
	17	1,23E-04	2,86	1,07	2,77	lincRNA:chr17:21435739-21477567 reverse strand
	5	3,03E-02	2,86	1,35	2,41	lincRNA:chr5:39521676-39524810 reverse strand
PATL2	15	2,34E-05	2,86	-1,13	2,75	Homo sapiens protein associated with topoisomerase II homolog 2 (yeast) (PATL2), mRNA [NM_001145112]
	2	3,41E-02	2,86	-3,17	2,55	lincRNA:chr2:70571096-70619246 reverse strand
SELPLG	12	8,71E-03	2,86	1,20	2,58	Homo sapiens selectin P ligand (SELPLG), transcript variant 2, mRNA [NM_003006]
PDE4DIP	1	1,61E-04	2,86	1,13	2,62	Homo sapiens phosphodiesterase 4D interacting protein (PDE4DIP), transcript variant 5, mRNA [NM_001002811]
	2	1,37E-05	2,85	1,10	2,78	lincRNA:chr2:111965352-112252622 forward strand
KYNU	2	6,31E-03	2,85	1,18	2,83	Homo sapiens kynureninase (KYNU), transcript variant 2, mRNA [NM_001032998]
MAP2K3	17	1,34E-03	2,85	-1,01	2,77	Homo sapiens mitogen-activated protein kinase kinase 3 (MAP2K3), transcript variant B, mRNA [NM_145109]
EDN1	6	2,52E-04	2,85	-1,19	2,64	Homo sapiens endothelin 1 (EDN1), transcript variant 1, mRNA [NM_001955]
EIF4E3	3	8,33E-03	2,85	1,02	2,22	Homo sapiens eukaryotic translation initiation factor 4E family member 3 (EIF4E3), transcript variant 2, mRNA [NM_173359]
	1	1,87E-06	2,85	1,09	2,83	lincRNA:chr1:175126

						122-175161929 reverse strand
CASP8	2	9,46E-04	2,85	-1,05	2,43	Homo sapiens caspase 8, apoptosis-related cysteine peptidase (CASP8), transcript variant E, mRNA [NM_033358]
SELPLG	12	5,14E-04	2,85	1,11	2,49	Homo sapiens selectin P ligand (SELPLG), transcript variant 1, mRNA [NM_001206609]
RBCK1	20	1,18E-03	2,84	1,01	2,58	Homo sapiens RanBP-type and C3HC4-type zinc finger containing 1 (RBCK1), transcript variant 2, mRNA [NM_031229]
GSTK1	7	8,53E-05	2,84	1,07	2,50	Homo sapiens glutathione S-transferase kappa 1 (GSTK1), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_015917]
CISH	3	3,75E-03	2,83	1,12	2,35	Homo sapiens cytokine inducible SH2-containing protein (CISH), transcript variant 2, mRNA [NM_145071]
EIF2AK2	2	3,82E-06	2,83	1,06	2,54	Homo sapiens eukaryotic translation initiation factor 2-alpha kinase 2 (EIF2AK2), transcript variant 3, mRNA [NM_001135652]
ZNFX1	20	8,04E-04	2,82	-1,06	2,56	Homo sapiens zinc finger, NFX1-type containing 1 (ZNFX1), mRNA [NM_021035]
MOBKL2C	1	7,66E-07	2,82	1,03	2,42	Homo sapiens MOB1, Mps One Binder kinase activator-like 2C (yeast) (MOBKL2C), transcript variant 1, mRNA [NM_145279]
TRIM56	7	5,51E-07	2,82	1,05	2,69	Homo sapiens tripartite motif containing 56 (TRIM56), mRNA [NM_030961]
MOV10	1	1,05E-05	2,82	1,06	2,52	Homo sapiens Mov10, Moloney leukemia virus 10, homolog (mouse) (MOV10), transcript variant 1, mRNA [NM_020963]
	2	1,30E-05	2,82	1,03	2,56	lincRNA:chr2:37325696-37331035 reverse

						strand
CTSC	11	4,14E-04	2,81	1,01	2,43	Homo sapiens cathepsin C (CTSC), transcript variant 1, mRNA [NM_001814]
NOTCH4	6	1,09E-02	2,81	1,08	2,57	Homo sapiens notch 4 (NOTCH4), mRNA [NM_004557]
C1orf220	1	4,52E-03	2,81	1,07	2,61	Homo sapiens chromosome 1 open reading frame 220 (C1orf220), non-coding RNA [NR_033186]
NT5C3	7	1,84E-05	2,81	1,06	2,76	Homo sapiens 5'-nucleotidase, cytosolic III (NT5C3), transcript variant 1, mRNA [NM_001002010]
ELOVL7	5	2,56E-03	2,80	-1,01	2,52	Homo sapiens ELOVL fatty acid elongase 7 (ELOVL7), transcript variant 1, mRNA [NM_024930]
OGFR	20	2,36E-06	2,80	1,03	2,57	Homo sapiens opioid growth factor receptor (OGFR), mRNA [NM_007346]
FAM71A	1	1,53E-02	2,80	1,33	2,66	Homo sapiens family with sequence similarity 71, member A (FAM71A), mRNA [NM_153606]
FAM117B	2	2,81E-03	2,79	1,05	2,57	family with sequence similarity 117, member B [Source:HGNC Symbol;Acc:14440] [ENST00000481658]
ADAMTSL3	15	1,33E-02	2,79	-1,17	2,18	Homo sapiens ADAMTS-like 3 (ADAMTSL3), mRNA [NM_207517]
CAPN3	15	1,91E-03	2,78	1,18	2,71	Homo sapiens calpain 3, (p94) (CAPN3), transcript variant 1, mRNA [NM_000070]
C3orf38	3	3,93E-05	2,78	1,09	2,54	Homo sapiens chromosome 3 open reading frame 38 (C3orf38), mRNA [NM_173824]
KIAA0247	14	1,58E-04	2,78	1,10	2,76	Homo sapiens KIAA0247 (KIAA0247), mRNA [NM_014734]
LOC100128338	8	7,05E-04	2,78	-1,10	2,75	Homo sapiens cDNA FLJ43864 fis, clone TESTI4007799. [AK125852]
XLOC_004803	5	8,20E-05	2,77	1,18	2,43	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
TSC22D2	3	5,43E-05	2,76	1,08	2,73	Homo sapiens

						TSC22 domain family, member 2 (TSC22D2), mRNA [NM_014779]
EMP2	16	2,58E-03	2,76	-1,04	2,20	Homo sapiens epithelial membrane protein 2 (EMP2), mRNA [NM_001424]
	3	1,66E-05	2,76	1,13	2,66	lincRNA:chr3:179135 16-17913642 reverse strand
KYNU	2	1,10E-02	2,76	1,01	2,69	kynureninase [Source:HGNC Symbol;Acc:6469] [ENST00000410015]
KIAA0040	1	2,67E-06	2,75	-1,04	2,50	Homo sapiens KIAA0040 (KIAA0040), transcript variant 1, mRNA [NM_001162893]
RCSD1	1	4,33E-03	2,75	-1,17	1,04	Homo sapiens RCSD domain containing 1 (RCSD1), mRNA [NM_052862]
	1	2,11E-02	2,74	-1,02	1,91	lincRNA:chr1:117586 727-117592852 reverse strand
MREG	2	6,94E-05	2,74	1,22	2,61	Homo sapiens melanoregulin (MREG), mRNA [NM_018000]
PMCHL1	5	9,69E-03	2,74	-1,15	1,89	Homo sapiens pro-melanin-concentrating hormone-like 1, pseudogene (PMCHL1), non-coding RNA [NR_003921]
GSTK1	7	3,60E-06	2,74	1,09	2,63	Homo sapiens glutathione S-transferase kappa 1 (GSTK1), nuclear gene encoding mitochondrial protein, transcript variant 2, mRNA [NM_001143679]
ICAM2	17	2,08E-04	2,74	-1,08	2,73	Homo sapiens intercellular adhesion molecule 2 (ICAM2), transcript variant 5, mRNA [NM_000873]
SAMHD1	20	1,92E-05	2,73	-1,10	2,54	Homo sapiens SAM domain and HD domain 1 (SAMHD1), mRNA [NM_015474]
CCDC85C	14	9,77E-06	2,73	1,03	2,60	Homo sapiens coiled-coil domain containing 85C (CCDC85C), mRNA [NM_001144995]
RALGPS2	1	4,61E-04	2,72	-1,16	2,07	Homo sapiens Ral GEF with PH domain and SH3 binding motif 2 (RALGPS2), mRNA [NM_152663]
PTK2B	8	6,06E-04	2,72	1,04	2,49	Homo sapiens

						PTK2B protein tyrosine kinase 2 beta (PTK2B), transcript variant 1, mRNA [NM_173174]
MOV10	1	1,10E-05	2,72	1,07	2,39	Homo sapiens Mov10, Moloney leukemia virus 10, homolog (mouse) (MOV10), transcript variant 1, mRNA [NM_020963]
PTPRH	19	6,91E-03	2,71	-1,18	2,63	Homo sapiens protein tyrosine phosphatase, receptor type, H (PTPRH), transcript variant 1, mRNA [NM_002842]
SYNJ2	6	3,66E-02	2,71	1,01	2,30	Homo sapiens synaptojanin 2 (SYNJ2), transcript variant 1, mRNA [NM_003898]
	1	1,64E-02	2,71	1,15	2,39	lincRNA:chr1:205410835-205411291 reverse strand
SNTB2	16	2,58E-04	2,71	1,05	2,37	Homo sapiens syntrophin, beta 2 (dystrophin-associated protein A1, 59kDa, basic component 2) (SNTB2), mRNA [NM_006750]
EIF2AK2	2	9,13E-07	2,71	1,04	2,70	Homo sapiens eukaryotic translation initiation factor 2-alpha kinase 2 (EIF2AK2), transcript variant 1, mRNA [NM_002759]
CALCOCO2	17	7,14E-06	2,71	-1,01	2,63	Homo sapiens calcium binding and coiled-coil domain 2 (CALCOCO2), mRNA [NM_005831]
TOP1P2	22	3,21E-04	2,71	1,03	2,37	Homo sapiens topoisomerase (DNA) I pseudogene 2 (TOP1P2), non-coding RNA [NR_001283]
SNAI3	16	3,64E-02	2,70	-1,01	2,30	Homo sapiens snail homolog 3 (Drosophila) (SNAI3), mRNA [NM_178310]
C6orf132	6	1,89E-02	2,70	-1,11	2,39	Homo sapiens chromosome 6 open reading frame 132 (C6orf132), mRNA [NM_001164446]
FCGR2A	1	3,40E-04	2,70	-1,15	2,17	Homo sapiens Fc fragment of IgG, low affinity IIa, receptor (CD32) (FCGR2A), transcript variant 2, mRNA [NM_021642]

CEACAM1	19	1,27E-03	2,70	-1,07	2,28	Homo sapiens carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein) (CEACAM1), transcript variant 5, mRNA [NM_001184816]
SYTL3	6	7,41E-04	2,70	1,10	2,12	Homo sapiens synaptotagmin-like 3 (SYTL3), transcript variant 3, mRNA [NM_001009991]
PXDNL	8	4,25E-03	2,69	1,10	2,08	Homo sapiens peroxidasin homolog (Drosophila)-like (PXDNL), mRNA [NM_144651]
BCL6	3	1,32E-04	2,69	1,20	2,58	Homo sapiens B-cell CLL/lymphoma 6 (BCL6), transcript variant 2, mRNA [NM_001130845]
ARID5A	2	9,41E-05	2,69	1,19	2,58	Homo sapiens AT rich interactive domain 5A (MRF1-like) (ARID5A), mRNA [NM_212481]
DNAJA1	9	4,42E-07	2,69	1,08	2,45	Homo sapiens DnaJ (Hsp40) homolog, subfamily A, member 1 (DNAJA1), mRNA [NM_001539]
	21	1,48E-02	2,69	1,12	2,57	lincRNA:chr21:45229082-45229931 forward strand
HIVEP3	1	1,45E-03	2,68	1,30	2,54	human immunodeficiency virus type I enhancer binding protein 3 [Source:HGNC Symbol;Acc:13561] [ENST00000372583]
XLOC_004620	5	2,96E-04	2,68	1,15	2,43	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
MS4A6E	11	3,55E-02	2,68	1,01	1,53	Homo sapiens membrane-spanning 4-domains, subfamily A, member 6E (MS4A6E), mRNA [NM_139249]
MCTP1	5	4,70E-04	2,68	-1,24	2,44	Homo sapiens multiple C2 domains, transmembrane 1 (MCTP1), transcript variant L, mRNA [NM_024717]
PAPD5	16	2,91E-02	2,68	-1,25	2,18	Homo sapiens PAP associated domain containing 5 (PAPD5), transcript variant 1, mRNA [NM_001040284]
FXYD5	19	1,46E-02	2,67	1,38	2,63	FXYD domain containing ion

						transport regulator 5 [Source:HGNC Symbol;Acc:4029] [ENST00000392217]
QPCT	2	2,57E-03	2,67	1,04	2,30	Homo sapiens glutaminyl-peptide cyclotransferase (QPCT), mRNA [NM_012413]
ADC	1	2,95E-03	2,67	1,15	2,51	Homo sapiens arginine decarboxylase (ADC), mRNA [NM_052998]
SLC41A2	12	9,53E-03	2,66	1,04	2,48	Homo sapiens solute carrier family 41, member 2 (SLC41A2), mRNA [NM_032148]
FCGR3A	1	3,99E-02	2,66	-1,26	2,13	Homo sapiens Fc fragment of IgG, low affinity IIIa, receptor (CD16a) (FCGR3A), transcript variant 1, mRNA [NM_000569]
IL10RB	21	1,84E-05	2,65	1,09	2,30	Homo sapiens interleukin 10 receptor, beta (IL10RB), mRNA [NM_000628]
CD83	6	4,26E-03	2,64	-1,16	2,11	Homo sapiens CD83 molecule (CD83), transcript variant 1, mRNA [NM_004233]
CYP2J2	1	1,51E-03	2,64	1,07	2,58	Homo sapiens cytochrome P450, family 2, subfamily J, polypeptide 2 (CYP2J2), mRNA [NM_000775]
HLA-DOB	6	1,91E-04	2,64	1,04	2,54	Homo sapiens major histocompatibility complex, class II, DO beta (HLA-DOB), mRNA [NM_002120]
GPT2	16	3,67E-04	2,64	-1,05	2,37	Homo sapiens glutamic pyruvate transaminase (alanine aminotransferase) 2 (GPT2), transcript variant 1, mRNA [NM_133443]
MAT1A	10	2,68E-03	2,63	-1,01	2,39	Homo sapiens methionine adenosyltransferase I, alpha (MAT1A), mRNA [NM_000429]
DENND3	8	1,32E-03	2,63	1,02	2,47	Homo sapiens DENN/MADD domain containing 3 (DENND3), mRNA [NM_014957]
PABPC4L	4	2,07E-03	2,63	1,00	2,36	Homo sapiens poly(A) binding protein, cytoplasmic 4-like (PABPC4L), mRNA [NM_001114734]

HLA-A	6	1,87E-03	2,63	-1,00	2,53	Homo sapiens major histocompatibility complex, class I, A (HLA-A), transcript variant 1, mRNA [NM_002116]
PDE4DIP	1	1,49E-02	2,63	-1,12	1,76	Homo sapiens phosphodiesterase 4D interacting protein (PDE4DIP), transcript variant 9, mRNA [NM_001198834]
PLEKHG2	19	4,81E-02	2,62	1,51	2,14	Homo sapiens pleckstrin homology domain containing, family G (with RhoGef domain) member 2 (PLEKHG2), mRNA [NM_022835]
FAM83E	19	1,01E-03	2,62	1,24	2,32	Homo sapiens family with sequence similarity 83, member E (FAM83E), mRNA [NM_017708]
TTLL9	20	2,61E-02	2,61	1,16	1,38	tubulin tyrosine ligase-like family, member 9 [Source:HGNC Symbol;Acc:16118] [ENST00000310998]
	3	1,50E-05	2,60	1,15	2,58	lincRNA:chr3:17904246-18167346 reverse strand
CCBP2	3	7,24E-04	2,60	-1,39	2,54	Homo sapiens chemokine binding protein 2 (CCBP2), mRNA [NM_001296]
	6	2,75E-03	2,60	-1,44	2,36	lincRNA:chr6:29701971-29740296 forward strand
ABHD16A	6	4,95E-08	2,59	1,07	2,42	Homo sapiens abhydrolase domain containing 16A (ABHD16A), transcript variant 1, mRNA [NM_021160]
CD97	19	2,29E-04	2,59	1,01	2,41	Homo sapiens CD97 molecule (CD97), transcript variant 1, mRNA [NM_078481]
CCDC134	22	1,64E-03	2,59	1,05	2,26	Homo sapiens coiled-coil domain containing 134 (CCDC134), mRNA [NM_024821]
	16	5,14E-03	2,58	1,27	2,28	ALU1_HUMAN (P39188) Alu subfamily J sequence contamination warning entry, partial (5%) [THC2558186]
MAPK8IP2	22	4,15E-03	2,58	1,20	2,19	Homo sapiens mitogen-activated protein kinase 8 interacting protein 2 (MAPK8IP2),

						transcript variant 1, mRNA [NM_012324]
ADPRH	3	1,98E-05	2,57	1,17	2,51	Homo sapiens ADP-ribosylarginine hydrolase (ADPRH), mRNA [NM_001125]
RAB33B	4	1,95E-04	2,57	-1,06	2,50	Homo sapiens RAB33B, member RAS oncogene family (RAB33B), mRNA [NM_031296]
DPP4	2	6,13E-03	2,57	1,38	2,54	Homo sapiens dipeptidyl-peptidase 4 (DPP4), mRNA [NM_001935]
	1	1,83E-03	2,57	-1,22	2,56	chromosome 1 open reading frame 196 [Source:HGNC Symbol;Acc:32336] [ENST00000412667]
PARD3	10	1,56E-04	2,57	-1,01	2,30	Homo sapiens par-3 partitioning defective 3 homolog (C. elegans) (PARD3), transcript variant 9, mRNA [NM_001184792]
IFITM2	11	9,52E-06	2,57	1,20	2,56	Homo sapiens interferon induced transmembrane protein 2 (1-8D) (IFITM2), mRNA [NM_006435]
TOP1	20	2,05E-04	2,56	1,02	2,33	Homo sapiens topoisomerase (DNA) I (TOP1), mRNA [NM_003286]
RBCK1	20	4,97E-04	2,56	-1,05	2,43	Homo sapiens RanBP-type and C3HC4-type zinc finger containing 1 (RBCK1), transcript variant 1, mRNA [NM_006462]
CDH18	5	1,21E-02	2,56	1,29	1,88	Homo sapiens cadherin 18, type 2 (CDH18), transcript variant 1, mRNA [NM_004934]
SAMD4A	14	2,96E-04	2,56	1,17	2,54	Homo sapiens sterile alpha motif domain containing 4A (SAMD4A), transcript variant 1, mRNA [NM_015589]
MAST4	5	2,97E-03	2,56	-1,04	2,38	Homo sapiens microtubule associated serine/threonine kinase family member 4 (MAST4), transcript variant 3, mRNA [NM_001164664]
SLC2A3	12	3,11E-02	2,56	-1,14	2,47	Homo sapiens solute carrier family 2 (facilitated glucose transporter), member 3 (SLC2A3), mRNA

						[NM_006931]
NFKB2	10	1,46E-03	2,56	-1,04	2,50	Homo sapiens nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100) (NFKB2), transcript variant 3, mRNA [NM_001077493]
NRCAM	7	5,31E-03	2,55	-1,12	2,51	Homo sapiens neuronal cell adhesion molecule (NRCAM), transcript variant 1, mRNA [NM_001037132]
TNIP1	5	1,15E-02	2,55	1,03	2,42	Homo sapiens TNFAIP3 interacting protein 1 (TNIP1), mRNA [NM_006058]
NUB1	7	9,23E-06	2,55	-1,04	2,34	Homo sapiens negative regulator of ubiquitin-like proteins 1 (NUB1), mRNA [NM_016118]
SYNJ2	6	1,74E-03	2,55	1,18	2,47	Homo sapiens synaptojanin 2 (SYNJ2), transcript variant 1, mRNA [NM_003898]
QPCT	2	3,01E-03	2,54	1,02	2,36	Homo sapiens glutaminyl-peptide cyclotransferase (QPCT), mRNA [NM_012413]
CLEC2B	12	1,91E-02	2,54	1,18	2,33	Homo sapiens C-type lectin domain family 2, member B (CLEC2B), mRNA [NM_005127]
TARSL2	15	5,28E-04	2,54	1,47	2,50	Homo sapiens threonyl-tRNA synthetase-like 2 (TARSL2), mRNA [NM_152334]
RIPK3	14	2,04E-03	2,54	1,17	2,27	Homo sapiens receptor-interacting serine-threonine kinase 3 (RIPK3), mRNA [NM_006871]
MITD1	2	1,15E-05	2,53	1,09	2,42	Homo sapiens MIT, microtubule interacting and transport, domain containing 1 (MITD1), mRNA [NM_138798]
GTPBP1	22	2,21E-06	2,53	-1,03	2,32	Homo sapiens GTP binding protein 1 (GTPBP1), mRNA [NM_004286]
DKFZp761E198	11	7,01E-05	2,53	1,07	2,28	Homo sapiens DKFZp761E198 protein (DKFZp761E198), mRNA [NM_138368]
PARD3	10	7,57E-05	2,53	-1,16	2,29	par-3 partitioning defective 3 homolog (C. elegans)

						[Source:HGNC Symbol;Acc:16051] [ENST00000374768]
SFMBT2	10	6,07E-03	2,53	-1,03	2,30	Homo sapiens Scm-like with four mbt domains 2 (SFMBT2), transcript variant 1, mRNA [NM_001029880]
SFT2D2	1	4,78E-06	2,53	1,02	2,21	Homo sapiens SFT2 domain containing 2 (SFT2D2), mRNA [NM_199344]
FMR1-AS1	X	3,73E-04	2,52	-1,10	2,29	Homo sapiens FMR1 antisense RNA 1 (non-protein coding) (FMR1-AS1), transcript variant 1, non-coding RNA [NR_024499]
TLR4	9	8,09E-03	2,52	-1,18	2,05	Homo sapiens toll-like receptor 4 (TLR4), transcript variant 1, mRNA [NM_138554]
ANKRD22	10	7,12E-05	2,52	-1,32	2,05	Homo sapiens ankyrin repeat domain 22 (ANKRD22), mRNA [NM_144590]
BANK1	4	2,78E-04	2,52	-1,16	2,36	Homo sapiens B-cell scaffold protein with ankyrin repeats 1 (BANK1), transcript variant 1, mRNA [NM_017935]
RNF39	6	1,49E-02	2,52	-1,45	1,72	Homo sapiens ring finger protein 39 (RNF39), transcript variant 1, mRNA [NM_025236]
CDKN1A	6	4,27E-03	2,51	-1,02	2,20	Homo sapiens cyclin-dependent kinase inhibitor 1A (p21, Cip1) (CDKN1A), transcript variant 2, mRNA [NM_078467]
DNAJA1P5	1	6,45E-08	2,51	1,03	2,37	Homo sapiens DnaJ (Hsp40) homolog, subfamily A, member 1 pseudogene 5 (DNAJA1P5), non-coding RNA [NR_033424]
ATF3	1	7,74E-04	2,51	-1,21	2,45	Homo sapiens activating transcription factor 3 (ATF3), transcript variant 4, mRNA [NM_001040619]
	11	6,61E-04	2,50	1,04	2,21	lincRNA:chr11:134306628-134375018 forward strand
B4GALT5	20	4,34E-06	2,50	1,02	2,21	Homo sapiens UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 5 (B4GALT5), mRNA

						[NM_004776]
ALOX12P2	17	1,25E-04	2,50	1,07	2,22	Homo sapiens arachidonate 12-lipoxygenase pseudogene 2 (ALOX12P2), non-coding RNA [NR_002710]
CRISPLD1	8	7,20E-03	2,49	-1,23	2,24	Homo sapiens cysteine-rich secretory protein LCCL domain containing 1 (CRISPLD1), mRNA [NM_031461]
BTN2A2	6	3,18E-04	2,49	-1,12	2,41	Homo sapiens butyrophilin, subfamily 2, member A2 (BTN2A2), transcript variant 2, mRNA [NM_181531]
CPEB3	10	4,15E-03	2,49	-1,07	2,17	Homo sapiens cytoplasmic polyadenylation element binding protein 3 (CPEB3), transcript variant 1, mRNA [NM_014912]
RAB3IP	12	1,09E-03	2,49	-1,53	2,43	RAB3A interacting protein (rabin3) [Source:HGNC Symbol;Acc:16508] [ENST00000378815]
ADCY7	16	3,73E-04	2,49	1,14	2,38	Homo sapiens adenylate cyclase 7 (ADCY7), mRNA [NM_001114]
ETS1	11	1,10E-04	2,49	1,07	2,27	Homo sapiens v-ets erythroblastosis virus E26 oncogene homolog 1 (avian) (ETS1), transcript variant 2, mRNA [NM_005238]
SH3BP2	4	1,25E-03	2,48	1,37	2,32	Homo sapiens SH3-domain binding protein 2 (SH3BP2), transcript variant 4, mRNA [NM_001145855]
CXCL16	17	1,04E-03	2,47	-1,03	2,41	Homo sapiens chemokine (C-X-C motif) ligand 16 (CXCL16), transcript variant 2, mRNA [NM_001100812]
CAMTA1	1	5,32E-03	2,46	-1,17	1,75	Homo sapiens calmodulin binding transcription activator 1 (CAMTA1), transcript variant 1, mRNA [NM_015215]
	3	4,60E-02	2,46	-1,43	2,44	lincRNA:chr3:194190336-194206786 reverse strand
IL22RA1	1	3,61E-05	2,46	-1,14	2,21	Homo sapiens interleukin 22 receptor, alpha 1 (IL22RA1), mRNA

						[NM_021258]
CCNL1	3	7,73E-04	2,46	1,02	2,15	Homo sapiens cyclin L1 (CCNL1), mRNA [NM_020307]
C12orf70	12	1,27E-03	2,45	-1,03	2,39	Homo sapiens chromosome 12 open reading frame 70 (C12orf70), mRNA [NM_001145010]
	2	1,55E-04	2,45	-1,28	1,86	ir69g09.y1 HR85 islet Homo sapiens cDNA clone IMAGE:6607866 5', mRNA sequence [CA849059]
	8	3,73E-05	2,45	-1,14	2,03	lincRNA:chr8:90624146-90635613 reverse strand
MREG	2	8,81E-04	2,45	1,09	2,37	Homo sapiens melanoregulin (MREG), mRNA [NM_018000]
LOC100144604	15	1,80E-04	2,45	1,00	2,32	Homo sapiens hypothetical LOC100144604 (LOC100144604), non-coding RNA [NR_021493]
IFNAR2	21	9,41E-04	2,45	1,02	2,33	Homo sapiens interferon (alpha, beta and omega) receptor 2 (IFNAR2), transcript variant 2, mRNA [NM_000874]
EREG	4	3,38E-04	2,44	-1,01	2,27	Homo sapiens epiregulin (EREG), mRNA [NM_001432]
ARHGEF5	7	1,13E-06	2,44	1,07	2,30	Homo sapiens Rho guanine nucleotide exchange factor (GEF) 5 (ARHGEF5), mRNA [NM_005435]
		3,71E-03	2,44	1,22	2,14	lincRNA:chr12:123614572-123628947 reverse strand
	12	8,18E-05	2,43	1,06	2,18	
IL31RA	5	5,97E-03	2,43	-1,56	2,22	Homo sapiens interleukin 31 receptor A (IL31RA), transcript variant 4, mRNA [NM_001242638]
DDX23	12	7,65E-06	2,43	1,13	2,23	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 23 (DDX23), mRNA [NM_004818]
HSPH1	13	2,93E-05	2,43	1,00	2,27	Homo sapiens heat shock 105kDa/110kDa protein 1 (HSPH1), mRNA [NM_006644]
CA3	8	3,74E-02	2,42	1,03	1,69	Homo sapiens carbonic anhydrase III, muscle specific (CA3), mRNA [NM_005181]
TLCD2	17	3,00E-03	2,42	1,16	2,10	Homo sapiens TLC

						domain containing 2 (TLCD2), mRNA [NM_001164407]
DNPEP	2	8,35E-04	2,41	1,13	2,30	Homo sapiens aspartyl aminopeptidase (DNPEP), mRNA [NM_012100]
TRIM14	9	2,74E-05	2,41	1,07	2,21	Homo sapiens tripartite motif containing 14 (TRIM14), transcript variant 2, mRNA [NM_033219]
PAOX	10	1,35E-02	2,41	1,08	2,14	Homo sapiens polyamine oxidase (exo-N4-amino) (PAOX), transcript variant 5, mRNA [NM_207128]
	1	2,12E-03	2,41	1,01	2,32	lincRNA:chr1:198802352-198907577 reverse strand
CA11	19	1,02E-03	2,41	1,04	1,89	Homo sapiens carbonic anhydrase XI (CA11), mRNA [NM_001217]
PAOX	10	1,08E-03	2,40	1,09	2,34	Homo sapiens polyamine oxidase (exo-N4-amino) (PAOX), transcript variant 1, mRNA [NM_152911]
KLF4	9	4,96E-05	2,40	-1,09	1,86	Homo sapiens Kruppel-like factor 4 (gut) (KLF4), mRNA [NM_004235]
PVR	19	1,32E-03	2,40	1,03	2,33	Homo sapiens poliovirus receptor (PVR), transcript variant 1, mRNA [NM_006505]
CXorf38	X	4,47E-04	2,40	1,09	2,28	Homo sapiens chromosome X open reading frame 38 (CXorf38), mRNA [NM_144970]
TAPBP	6	2,17E-04	2,40	1,10	2,27	Homo sapiens TAP binding protein (tapasin) (TAPBP), transcript variant 2, mRNA [NM_172208]
KARS	16	6,08E-05	2,40	1,04	2,35	Homo sapiens lysyl-tRNA synthetase (KARS), transcript variant 1, mRNA [NM_001130089]
LRRC10	12	1,13E-04	2,40	-1,06	2,10	Homo sapiens leucine rich repeat containing 10 (LRRC10), mRNA [NM_201550]
SIDT1	3	9,36E-04	2,39	1,20	2,07	Homo sapiens SID1 transmembrane family, member 1 (SIDT1), mRNA [NM_017699]
IFNGR2	21	6,06E-04	2,39	1,16	2,31	Homo sapiens

						interferon gamma receptor 2 (interferon gamma transducer 1) (IFNGR2), mRNA [NM_005534]
SNX10	7	1,70E-04	2,39	-1,57	2,25	Homo sapiens sorting nexin 10 (SNX10), transcript variant 1, mRNA [NM_001199835]
C1orf38	1	3,92E-03	2,39	1,03	1,97	Homo sapiens chromosome 1 open reading frame 38 (C1orf38), transcript variant 2, mRNA [NM_001039477]
SP6	17	5,12E-04	2,38	-1,19	2,07	Homo sapiens Sp6 transcription factor (SP6), mRNA [NM_199262]
	22	2,57E-04	2,38	1,08	2,03	immunoglobulin lambda constant 2 (Kern-Oz- marker) [Source:HGNC Symbol;Acc:5856] [ENST00000390323]
NFKB1	4	4,89E-04	2,38	1,10	2,31	Homo sapiens nuclear factor of kappa light polypeptide gene enhancer in B-cells 1 (NFKB1), transcript variant 1, mRNA [NM_003998]
CCDC125	5	1,46E-05	2,38	-1,07	2,24	Homo sapiens coiled-coil domain containing 125 (CCDC125), mRNA [NM_176816]
ETV6	12	3,87E-05	2,37	1,16	2,33	Homo sapiens ets variant 6 (ETV6), mRNA [NM_001987]
TMTC1	12	3,52E-04	2,37	-1,13	2,28	Homo sapiens transmembrane and tetratricopeptide repeat containing 1 (TMTC1), transcript variant 2, mRNA [NM_175861]
LIMD1	3	3,63E-06	2,36	-1,00	2,13	Homo sapiens LIM domains containing 1 (LIMD1), mRNA [NM_014240]
EHD1	11	2,11E-04	2,36	1,02	2,35	Homo sapiens EH-domain containing 1 (EHD1), mRNA [NM_006795]
TJP2	9	1,44E-02	2,36	1,15	2,10	Homo sapiens tight junction protein 2 (zona occludens 2) (TJP2), transcript variant 1, mRNA [NM_004817]
ERI1	8	2,12E-05	2,36	1,12	2,25	Homo sapiens exoribonuclease 1 (ERI1), mRNA [NM_153332]
TMEM63A	1	3,78E-04	2,36	1,17	2,21	Homo sapiens transmembrane

						protein 63A (TMEM63A), mRNA [NM_014698]
MITD1	2	4,31E-06	2,36	1,04	2,32	Homo sapiens MIT, microtubule interacting and transport, domain containing 1 (MITD1), mRNA [NM_138798]
C1RL	12	3,65E-04	2,35	1,27	2,30	Homo sapiens complement component 1, r subcomponent-like (C1RL), mRNA [NM_016546]
SLC24A3	20	4,16E-03	2,35	1,14	2,02	Homo sapiens solute carrier family 24 (sodium/potassium/calcium exchanger), member 3 (SLC24A3), mRNA [NM_020689]
SAMD4A	14	4,49E-04	2,35	1,08	2,26	Homo sapiens sterile alpha motif domain containing 4A (SAMD4A), transcript variant 1, mRNA [NM_015589]
SAA4	11	1,27E-03	2,35	1,00	2,25	Homo sapiens serum amyloid A4, constitutive (SAA4), mRNA [NM_006512]
SNTB2	16	7,02E-04	2,35	1,05	2,13	Homo sapiens syntrophin, beta 2 (dystrophin-associated protein A1, 59kDa, basic component 2) (SNTB2), mRNA [NM_006750]
RIMS2	8	1,31E-03	2,35	-1,16	2,27	Homo sapiens regulating synaptic membrane exocytosis 2 (RIMS2), transcript variant 2, mRNA [NM_014677]
CCDC125	5	2,90E-04	2,34	-1,07	2,25	Homo sapiens coiled-coil domain containing 125 (CCDC125), mRNA [NM_176816]
ATP6V1B2	8	8,43E-04	2,34	1,09	2,24	Homo sapiens ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B2 (ATP6V1B2), mRNA [NM_001693]
XLOC_003204	3	5,35E-03	2,34	1,03	2,13	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
	16	2,53E-03	2,34	1,09	1,95	Homo sapiens, clone IMAGE:4424208, mRNA. [BC015443]
	7	1,15E-02	2,34	1,10	1,91	lincRNA:chr7:130629

						443-130792689 reverse strand
STXBP1	9	3,28E-04	2,34	1,07	2,00	Homo sapiens syntaxin binding protein 1 (STXBP1), transcript variant 1, mRNA [NM_003165]
GK	X	1,62E-03	2,34	1,15	2,18	Homo sapiens glycerol kinase (GK), transcript variant 4, mRNA [NM_001205019]
PRELID1	5	7,98E-04	2,34	1,07	2,21	Homo sapiens PRELI domain containing 1 (PRELID1), mRNA [NM_013237]
MYD88	3	3,92E-05	2,34	1,20	2,00	Homo sapiens myeloid differentiation primary response gene (88) (MYD88), transcript variant 2, mRNA [NM_002468]
SPSB1	1	5,70E-04	2,34	1,10	2,29	Homo sapiens splA/ryanodine receptor domain and SOCS box containing 1 (SPSB1), mRNA [NM_025106]
PLAU	10	4,91E-04	2,33	1,09	2,28	Homo sapiens plasminogen activator, urokinase (PLAU), transcript variant 1, mRNA [NM_002658]
P2RX4	12	1,87E-03	2,33	1,05	2,29	Homo sapiens purinergic receptor P2X, ligand-gated ion channel, 4 (P2RX4), mRNA [NM_002560]
SPSB1	1	8,42E-04	2,33	1,03	2,08	Homo sapiens splA/ryanodine receptor domain and SOCS box containing 1 (SPSB1), mRNA [NM_025106]
SNX16	8	5,46E-04	2,33	1,05	2,20	Homo sapiens sorting nexin 16 (SNX16), transcript variant 1, mRNA [NM_022133]
LOC100128320	10	1,80E-03	2,33	-1,05	1,74	Homo sapiens cDNA FLJ43449 fis, clone OCBBF2032671. [AK125438]
CNDP2	18	2,95E-05	2,33	1,16	2,10	Homo sapiens CNDP dipeptidase 2 (metallopeptidase M20 family) (CNDP2), transcript variant 1, mRNA [NM_018235]
ZNF597	16	1,89E-02	2,33	1,50	1,71	Homo sapiens zinc finger protein 597 (ZNF597), mRNA

						[NM_152457]
MAP3K13	3	1,47E-02	2,32	1,11	2,25	Homo sapiens mitogen-activated protein kinase kinase kinase 13 (MAP3K13), transcript variant 1, mRNA [NM_004721]
RELA	11	3,25E-04	2,32	1,08	2,08	Homo sapiens v-rel reticuloendotheliosis viral oncogene homolog A (avian) (RELA), transcript variant 1, mRNA [NM_021975]
NTNG2	9	9,55E-03	2,32	1,05	2,31	Homo sapiens netrin G2 (NTNG2), mRNA [NM_032536]
CAB39	2	3,06E-04	2,32	1,18	2,29	Homo sapiens calcium binding protein 39 (CAB39), transcript variant 1, mRNA [NM_016289]
TAPBP	6	4,69E-04	2,32	1,01	2,25	Homo sapiens TAP binding protein (tapasin) (TAPBP), transcript variant 2, mRNA [NM_172208]
PDZD2	5	1,82E-03	2,32	1,09	2,24	PDZ domain containing 2 [Source:HGNC Symbol;Acc:18486] [ENST00000397559]
GPD2	2	4,00E-05	2,32	-1,03	2,14	Homo sapiens glycerol-3-phosphate dehydrogenase 2 (mitochondrial) (GPD2), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_001083112]
PRRG1	X	7,11E-04	2,32	1,10	2,14	Homo sapiens proline rich Gla (G-carboxyglutamic acid) 1 (PRRG1), transcript variant 1, mRNA [NM_000950]
OR51I2	11	3,42E-03	2,31	1,34	1,97	Homo sapiens olfactory receptor, family 51, subfamily I, member 2 (OR51I2), mRNA [NM_001004754]
HSPH1	13	6,39E-07	2,31	1,01	2,26	Homo sapiens heat shock 105kDa/110kDa protein 1 (HSPH1), mRNA [NM_006644]
CTNNBL1	20	2,53E-05	2,31	1,04	2,16	Homo sapiens catenin, beta like 1 (CTNNBL1), mRNA [NM_030877]
C18orf25	18	2,65E-04	2,30	1,03	2,13	Homo sapiens chromosome 18 open reading frame 25 (C18orf25), transcript variant 1,

						mRNA [NM_145055]
MR1	1	3,03E-05	2,30	1,15	1,91	Homo sapiens major histocompatibility complex, class I-related (MR1), transcript variant 1, mRNA [NM_001531]
RHOB	2	3,60E-03	2,30	1,09	1,94	Homo sapiens ras homolog gene family, member B (RHOB), mRNA [NM_004040]
BPGM	7	2,30E-04	2,30	-1,01	2,17	Homo sapiens 2,3-bisphosphoglycerate mutase (BPGM), transcript variant 2, mRNA [NM_199186]
NAMPT	7	6,83E-07	2,30	1,16	2,28	Homo sapiens nicotinamide phosphoribosyltransferase (NAMPT), mRNA [NM_005746]
GOT1	10	7,61E-05	2,30	-1,02	1,98	Homo sapiens glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1) (GOT1), mRNA [NM_002079]
SMAD7	18	1,79E-05	2,30	1,11	2,08	Homo sapiens SMAD family member 7 (SMAD7), transcript variant 1, mRNA [NM_005904]
NCF1	7	7,16E-03	2,30	-1,27	1,86	Homo sapiens neutrophil cytosolic factor 1 (NCF1), mRNA [NM_000265]
COL23A1	5	4,86E-04	2,29	-1,21	2,23	collagen, type XXIII, alpha 1 [Source:HGNC Symbol;Acc:22990] [ENST00000407622]
SLC2A9	4	3,59E-04	2,29	1,18	2,25	Homo sapiens solute carrier family 2 (facilitated glucose transporter), member 9 (SLC2A9), transcript variant 2, mRNA [NM_001001290]
PSMA4	15	1,49E-05	2,28	-1,04	2,24	Homo sapiens proteasome (prosome, macropain) subunit, alpha type, 4 (PSMA4), transcript variant 1, mRNA [NM_002789]
TNFSF13	17	5,38E-04	2,28	1,13	2,04	Homo sapiens tumor necrosis factor (ligand) superfamily, member 13 (TNFSF13), transcript variant gamma, mRNA [NM_172088]
RAB3IL1	11	2,32E-02	2,28	-1,32	2,07	Homo sapiens RAB3A interacting protein (rabin3)-like 1

						(RAB3IL1), mRNA [NM_013401]
DYSFIP1	17	8,18E-03	2,28	-1,44	1,73	Homo sapiens dysferlin interacting protein 1 (DYSFIP1), mRNA [NM_001007533]
FTSJD2	6	2,85E-05	2,28	1,21	2,11	Homo sapiens FtsJ methyltransferase domain containing 2 (FTSJD2), mRNA [NM_015050]
CTNNBL1	20	2,21E-04	2,28	1,04	2,11	Homo sapiens catenin, beta like 1 (CTNNBL1), mRNA [NM_030877]
C14orf34	14	8,10E-04	2,28	-1,07	2,11	Homo sapiens chromosome 14 open reading frame 34 (C14orf34), transcript variant 1, non-coding RNA [NR_026796]
PHLDA2	11	5,64E-05	2,27	-1,08	2,18	Homo sapiens pleckstrin homology-like domain, family A, member 2 (PHLDA2), mRNA [NM_003311]
FMNL2	2	3,53E-05	2,27	1,10	2,22	formin-like 2 [Source:HGNC Symbol;Acc:18267] [ENST00000421344]
PPPDE2	22	1,58E-04	2,27	1,09	2,27	Homo sapiens PPPDE peptidase domain containing 2 (PPPDE2), mRNA [NM_015704]
TM4SF19	3	9,86E-04	2,27	-1,02	2,09	Homo sapiens transmembrane 4 L six family member 19 (TM4SF19), transcript variant 1, mRNA [NM_138461]
GPR21	9	4,75E-02	2,26	-1,04	1,58	Homo sapiens G protein-coupled receptor 21 (GPR21), mRNA [NM_005294]
HDAC9	7	4,15E-02	2,26	1,19	2,14	Homo sapiens histone deacetylase 9 (HDAC9), transcript variant 1, mRNA [NM_058176]
JUNB	19	3,88E-03	2,26	1,15	1,99	Homo sapiens jun B proto-oncogene (JUNB), mRNA [NM_002229]
C12orf35	12	3,45E-04	2,26	-1,03	2,01	Homo sapiens chromosome 12 open reading frame 35 (C12orf35), mRNA [NM_018169]
ADCK4	19	2,26E-05	2,26	-1,02	2,21	Homo sapiens aarF domain containing kinase 4 (ADCK4), transcript variant 1, mRNA [NM_024876]

NPC1	18	1,62E-04	2,26	1,20	2,17	Homo sapiens Niemann-Pick disease, type C1 (NPC1), mRNA [NM_000271]
C10orf47	10	1,05E-03	2,26	1,11	2,15	Homo sapiens chromosome 10 open reading frame 47 (C10orf47), mRNA [NM_153256]
PCDH7	4	2,48E-03	2,26	1,28	2,11	Homo sapiens protocadherin 7 (PCDH7), transcript variant a, mRNA [NM_002589]
DENND5A	11	4,17E-04	2,26	1,16	2,24	Homo sapiens DENN/MADD domain containing 5A (DENND5A), mRNA [NM_015213]
HELB	12	1,84E-03	2,26	-1,00	2,18	Homo sapiens helicase (DNA) B (HELB), mRNA [NM_033647]
MALT1	18	1,31E-04	2,25	1,06	1,95	Homo sapiens mucosa associated lymphoid tissue lymphoma translocation gene 1 (MALT1), transcript variant 1, mRNA [NM_006785]
LOC286299	9	3,06E-02	2,25	1,24	2,13	Homo sapiens mRNA; cDNA DKFZp686G1495 (from clone DKFZp686G1495). [BX648501]
SLC5A10	17	1,95E-02	2,25	-1,12	2,06	Homo sapiens solute carrier family 5 (sodium/glucose cotransporter), member 10 (SLC5A10), transcript variant 1, mRNA [NM_152351]
ANKRD36BP1	1	1,31E-03	2,25	1,15	2,01	Homo sapiens ankyrin repeat domain 36B pseudogene 1 (ANKRD36BP1), non-coding RNA [NR_026844]
HRASLS2	11	3,49E-03	2,25	-1,02	1,95	Homo sapiens HRAS-like suppressor 2 (HRASLS2), mRNA [NM_017878]
VTCN1	1	3,89E-02	2,25	1,53	1,92	V-set domain containing T cell activation inhibitor 1 [Source:HGNC Symbol;Acc:28873] [ENST00000369456]
NUAK2	1	1,67E-03	2,25	1,25	2,15	Homo sapiens NUAK family, SNF1-like kinase, 2 (NUAK2), mRNA [NM_030952]
MTMR11	1	1,67E-04	2,24	1,11	2,20	Homo sapiens

						myotubularin related protein 11 (MTMR11), transcript variant 2, mRNA [NM_181873]
CFL2	14	1,42E-02	2,24	-1,04	2,02	Homo sapiens cofilin 2 (muscle) (CFL2), transcript variant 1, mRNA [NM_021914]
NAMPT	7	9,39E-04	2,24	1,15	1,99	Homo sapiens nicotinamide phosphoribosyltransferase (NAMPT), mRNA [NM_005746]
C19orf28	19	4,88E-03	2,23	1,08	2,12	Homo sapiens chromosome 19 open reading frame 28 (C19orf28), transcript variant 2, mRNA [NM_001042680]
ASAP1	8	1,14E-02	2,23	1,06	2,19	Homo sapiens ArfGAP with SH3 domain, ankyrin repeat and PH domain 1 (ASAP1), mRNA [NM_018482]
RIPK3	14	1,03E-02	2,23	1,21	2,16	Homo sapiens receptor-interacting serine-threonine kinase 3 (RIPK3), mRNA [NM_006871]
HK1	10	9,91E-07	2,23	1,13	2,03	Homo sapiens hexokinase 1 (HK1), nuclear gene encoding mitochondrial protein, transcript variant 5, mRNA [NM_033500]
TJP2	9	1,11E-02	2,23	1,14	2,03	Homo sapiens tight junction protein 2 (zona occludens 2) (TJP2), transcript variant 2, mRNA [NM_201629]
APOL4	22	4,33E-04	2,23	-1,00	2,21	apolipoprotein L, 4 [Source:HGNC Symbol;Acc:14867] [ENST00000328429]
DCUN1D3	16	3,96E-04	2,22	-1,00	2,01	Homo sapiens DCN1, defective in cullin neddylation 1, domain containing 3 (S. cerevisiae) (DCUN1D3), mRNA [NM_173475]
DUSP5	10	3,50E-03	2,22	1,07	2,03	Homo sapiens dual specificity phosphatase 5 (DUSP5), mRNA [NM_004419]
DGKG	3	2,23E-03	2,22	1,04	1,95	Homo sapiens diacylglycerol kinase, gamma 90kDa (DGKG), transcript variant 1, mRNA [NM_001346]

HMGCLL1	6	1,72E-02	2,22	1,00	1,82	Homo sapiens 3-hydroxymethyl-3-methylglutaryl-CoA lyase-like 1 (HMGCLL1), transcript variant 1, mRNA [NM_019036]
LOC388692	1	1,76E-03	2,22	1,11	2,01	Homo sapiens hypothetical LOC388692 (LOC388692), non-coding RNA [NR_027002]
SCO2	22	4,69E-04	2,22	1,12	2,04	Homo sapiens SCO cytochrome oxidase deficient homolog 2 (yeast) (SCO2), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_005138]
ITPR1	3	1,65E-02	2,22	1,07	2,04	Homo sapiens inositol 1,4,5-trisphosphate receptor, type 1 (ITPR1), transcript variant 2, mRNA [NM_002222]
TRIM26	6	8,30E-04	2,22	1,07	1,87	Homo sapiens tripartite motif containing 26 (TRIM26), transcript variant 1, mRNA [NM_003449]
TOP1	20	3,49E-05	2,22	-1,10	1,82	Homo sapiens topoisomerase (DNA) I (TOP1), mRNA [NM_003286]
TRIM14	9	2,20E-04	2,22	-1,03	1,90	Homo sapiens tripartite motif containing 14 (TRIM14), transcript variant 2, mRNA [NM_033219]
FMNL2	2	6,34E-05	2,22	1,20	2,12	Homo sapiens formin-like 2 (FMNL2), mRNA [NM_052905]
SH3BP2	4	5,64E-03	2,21	1,11	2,02	Homo sapiens SH3-domain binding protein 2 (SH3BP2), transcript variant 4, mRNA [NM_001145855]
	3	8,33E-04	2,21	-1,02	2,14	lincRNA:chr3:179042 46-18167346 forward strand
GPR119	X	2,76E-04	2,21	-1,05	2,04	Homo sapiens G protein-coupled receptor 119 (GPR119), mRNA [NM_178471]
CALCRL	2	1,92E-02	2,21	-1,31	2,01	Homo sapiens calcitonin receptor-like (CALCRL), mRNA [NM_005795]
GJD3	17	3,37E-05	2,21	1,04	2,04	Homo sapiens gap

						junction protein, delta 3, 31.9kDa (GJD3), mRNA [NM_152219]
DEFB1	8	5,77E-03	2,21	1,54	2,01	Homo sapiens defensin, beta 1 (DEFB1), mRNA [NM_005218]
C17orf110	17	4,61E-02	2,21	1,00	1,60	Homo sapiens chromosome 17 open reading frame 110 (C17orf110), mRNA [NM_001162997]
LOC284939	22	1,05E-02	2,21	-1,15	1,72	Homo sapiens cDNA FLJ37123 fis, clone BRACE2022450. [AK094442]
CPT1B	22	3,73E-03	2,21	1,09	2,01	Homo sapiens carnitine palmitoyltransferase 1B (muscle) (CPT1B), nuclear gene encoding mitochondrial protein, transcript variant 3, mRNA [NM_152246]
DENND1A	9	5,52E-05	2,21	1,05	1,80	Homo sapiens DENN/MADD domain containing 1A (DENND1A), transcript variant 1, mRNA [NM_020946]
FAS	10	7,77E-03	2,20	1,10	2,11	Homo sapiens Fas (TNF receptor superfamily, member 6) (FAS), transcript variant 1, mRNA [NM_000043]
REXO1L1	8	3,02E-04	2,20	-1,12	1,98	Homo sapiens REX1, RNA exonuclease 1 homolog (S. cerevisiae)-like 1 (REXO1L1), mRNA [NM_172239]
NCF4	22	2,44E-04	2,20	-1,09	1,83	Homo sapiens neutrophil cytosolic factor 4, 40kDa (NCF4), transcript variant 1, mRNA [NM_000631]
HERC3	4	6,47E-04	2,20	1,24	2,03	Homo sapiens hect domain and RLD 3 (HERC3), mRNA [NM_014606]
	6	1,68E-02	2,20	1,54	1,74	lincRNA:chr6:116759632-116767182 reverse strand
CYB561D2	3	5,87E-04	2,20	1,19	1,98	Homo sapiens cytochrome b-561 domain containing 2 (CYB561D2), mRNA [NM_007022]
RELA	11	1,75E-03	2,20	1,02	1,93	Homo sapiens v-rel reticuloendotheliosis viral oncogene homolog A (avian) (RELA), transcript

						variant 1, mRNA [NM_021975]
DENND1A	9	1,36E-04	2,19	1,09	2,14	Homo sapiens DENN/MADD domain containing 1A (DENND1A), transcript variant 2, mRNA [NM_024820]
CFI	4	2,56E-02	2,19	1,14	2,06	Homo sapiens complement factor I (CFI), mRNA [NM_000204]
C1orf226	1	8,16E-03	2,19	1,18	1,89	Homo sapiens chromosome 1 open reading frame 226 (C1orf226), transcript variant 1, mRNA [NM_001135240]
ME2	18	1,10E-04	2,19	1,16	2,11	Homo sapiens malic enzyme 2, NAD(+)-dependent, mitochondrial (ME2), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_002396]
TRAFD1	12	1,91E-05	2,19	-1,08	1,96	Homo sapiens TRAF-type zinc finger domain containing 1 (TRAFD1), transcript variant 1, mRNA [NM_001143906]
PTPRA	20	5,22E-06	2,18	1,06	1,99	Homo sapiens protein tyrosine phosphatase, receptor type, A (PTPRA), transcript variant 1, mRNA [NM_002836]
PELI3	11	2,89E-03	2,18	1,03	1,85	Homo sapiens pellino homolog 3 (Drosophila) (PELI3), transcript variant 1, mRNA [NM_145065]
ELF3	1	1,87E-02	2,18	1,15	1,61	Homo sapiens E74-like factor 3 (ets domain transcription factor, epithelial-specific) (ELF3), transcript variant 1, mRNA [NM_004433]
COQ10B	2	5,52E-03	2,18	1,16	1,84	Homo sapiens coenzyme Q10 homolog B (S. cerevisiae) (COQ10B), nuclear gene encoding mitochondrial protein, mRNA [NM_025147]
DNPEP	2	4,51E-06	2,17	1,09	2,05	Homo sapiens aspartyl aminopeptidase (DNPEP), mRNA [NM_012100]

TNIP2	4	1,16E-02	2,17	1,22	2,17	Homo sapiens TNFAIP3 interacting protein 2 (TNIP2), transcript variant 1, mRNA [NM_024309]
PSMA5	1	5,86E-05	2,16	1,13	2,16	Homo sapiens proteasome (prosome, macropain) subunit, alpha type, 5 (PSMA5), transcript variant 1, mRNA [NM_002790]
	11	7,96E-03	2,16	1,41	1,76	Q2J851_FRASC (Q2J851) ATPases involved in chromosome partitioning-like, partial (5%) [THC2515563]
GAS8	16	6,57E-06	2,16	1,06	2,06	Homo sapiens growth arrest-specific 8 (GAS8), transcript variant 1, mRNA [NM_001481]
MR1	1	2,40E-06	2,16	1,05	1,95	Homo sapiens major histocompatibility complex, class I-related (MR1), transcript variant 1, mRNA [NM_001531]
OR2A9P	7	1,13E-03	2,16	1,02	2,13	Homo sapiens olfactory receptor, family 2, subfamily A, member 9 pseudogene (OR2A9P), non-coding RNA [NR_002157]
C1orf21	1	5,09E-04	2,16	1,17	1,93	Homo sapiens chromosome 1 open reading frame 21 (C1orf21), mRNA [NM_030806]
ARPC5L	9	2,28E-04	2,16	-1,02	1,89	Homo sapiens actin related protein 2/3 complex, subunit 5-like (ARPC5L), mRNA [NM_030978]
FAS	10	6,34E-03	2,16	1,10	2,07	Homo sapiens Fas (TNF receptor superfamily, member 6) (FAS), transcript variant 1, mRNA [NM_000043]
LGALS8	1	2,97E-02	2,16	-1,08	1,53	lectin, galactoside-binding, soluble, 8 [Source:HGNC Symbol;Acc:6569] [ENST00000366583]
IL4R	16	7,61E-03	2,16	1,44	1,94	Homo sapiens interleukin 4 receptor (IL4R), transcript variant 2, mRNA [NM_001008699]
PAK3	X	4,34E-02	2,15	-1,68	1,69	Homo sapiens p21 protein (Cdc42/Rac)-activated kinase 3 (PAK3), transcript

						variant 2, mRNA [NM_002578]
TSTA3	8	1,40E-04	2,15	1,26	2,02	Homo sapiens tissue specific transplantation antigen P35B (TSTA3), mRNA [NM_003313]
	22	2,66E-02	2,15	1,15	2,14	
BMX	X	8,37E-03	2,15	-1,07	1,67	Homo sapiens BMX non-receptor tyrosine kinase (BMX), transcript variant 2, mRNA [NM_001721]
CLDN7	17	2,84E-03	2,15	1,06	1,96	Homo sapiens claudin 7 (CLDN7), transcript variant 1, mRNA [NM_001307]
RASA2	3	3,07E-03	2,15	-1,06	1,98	Homo sapiens RAS p21 protein activator 2 (RASA2), mRNA [NM_006506]
PRNP	20	4,55E-04	2,15	1,05	1,99	Homo sapiens prion protein (PRNP), transcript variant 1, mRNA [NM_000311]
COG5	7	2,44E-03	2,14	1,12	2,06	Homo sapiens component of oligomeric golgi complex 5 (COG5), transcript variant 1, mRNA [NM_006348]
KDSR	18	6,95E-04	2,14	1,27	1,81	Homo sapiens 3-ketodihydrosphingosine reductase (KDSR), mRNA [NM_002035]
LOC100133669	8	5,18E-03	2,14	1,01	1,92	Homo sapiens hypothetical LOC100133669 (LOC100133669), non-coding RNA [NR_026913]
EBF4	20	9,87E-04	2,13	1,07	1,76	Homo sapiens early B-cell factor 4 (EBF4), mRNA [NM_001110514]
VPS16	20	6,94E-05	2,13	1,08	1,85	Homo sapiens vacuolar protein sorting 16 homolog (S. cerevisiae) (VPS16), transcript variant 1, mRNA [NM_022575]
DENND4A	15	1,09E-04	2,13	-1,10	1,94	Homo sapiens DENN/MADD domain containing 4A (DENND4A), transcript variant 1, mRNA [NM_001144823]
CALCRL	2	1,58E-02	2,13	1,04	1,83	Homo sapiens calcitonin receptor-like (CALCRL), mRNA [NM_005795]
LSR	19	5,10E-05	2,13	1,01	1,99	Homo sapiens lipolysis stimulated lipoprotein receptor (LSR), transcript

						variant 2, mRNA [NM_205834]
CEACAM5	19	2,32E-02	2,13	-1,37	1,42	Homo sapiens carcinoembryonic antigen-related cell adhesion molecule 5 (CEACAM5), mRNA [NM_004363]
SERPINB8	18	4,82E-04	2,13	-1,00	2,07	Homo sapiens serpin peptidase inhibitor, clade B (ovalbumin), member 8 (SERPINB8), transcript variant 3, mRNA [NM_001031848]
MMAA	4	4,50E-04	2,12	-1,00	1,81	Homo sapiens methylmalonic aciduria (cobalamin deficiency) cblA type (MMAA), nuclear gene encoding mitochondrial protein, mRNA [NM_172250]
DUSP6	12	5,94E-04	2,12	1,14	1,98	Homo sapiens dual specificity phosphatase 6 (DUSP6), transcript variant 1, mRNA [NM_001946]
BLZF1	1	7,67E-04	2,12	-1,08	1,97	Homo sapiens basic leucine zipper nuclear factor 1 (BLZF1), mRNA [NM_003666]
SNX6	14	9,45E-05	2,12	1,06	2,08	Homo sapiens sorting nexin 6 (SNX6), transcript variant 1, mRNA [NM_021249]
BLZF1	1	3,10E-04	2,12	1,06	1,99	basic leucine zipper nuclear factor 1 [Source:HGNC Symbol;Acc:1065] [ENST00000367808]
LOC100132831	X	1,77E-02	2,12	1,19	1,98	Homo sapiens A20-binding inhibitor of NF-kappaB activation 2 pseudogene (LOC100132831), non-coding RNA [NR_027761]
TSKU	11	2,31E-05	2,12	1,15	2,06	Homo sapiens tsukushi small leucine rich proteoglycan homolog (Xenopus laevis) (TSKU), mRNA [NM_015516]
LRTOMT	11	3,59E-03	2,12	1,10	2,06	Homo sapiens leucine rich transmembrane and 0-methyltransferase domain containing (LRTOMT), transcript variant 4, mRNA [NM_001145308]

SNX9	6	7,10E-03	2,11	1,14	1,78	Homo sapiens sorting nexin 9 (SNX9), mRNA [NM_016224]
CFLAR	2	2,45E-03	2,11	1,02	1,97	Homo sapiens CASP8 and FADD-like apoptosis regulator (CFLAR), transcript variant 1, mRNA [NM_003879]
TICAM1	19	7,17E-04	2,10	-1,04	1,92	Homo sapiens toll-like receptor adaptor molecule 1 (TICAM1), mRNA [NM_182919]
ASPHD2	22	5,39E-04	2,10	1,04	2,01	Homo sapiens aspartate beta-hydroxylase domain containing 2 (ASPHD2), mRNA [NM_020437]
XLOC_003608	4	2,25E-02	2,10	1,78	-1,13	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
	2	2,54E-02	2,10	1,24	1,97	lincRNA:chr2:114735602-114736110 reverse strand
TRIB2	2	8,44E-05	2,10	1,03	1,82	Homo sapiens tribbles homolog 2 (Drosophila) (TRIB2), transcript variant 1, mRNA [NM_021643]
CATSPERB	14	4,56E-02	2,10	1,46	1,82	Homo sapiens cation channel, sperm-associated, beta (CATSPERB), mRNA [NM_024764]
JMJD6	17	1,18E-03	2,09	1,16	1,95	Homo sapiens jumonji domain containing 6 (JMJD6), transcript variant 2, mRNA [NM_015167]
HDAC9	7	2,37E-03	2,09	-1,17	1,96	Homo sapiens histone deacetylase 9 (HDAC9), transcript variant 3, mRNA [NM_014707]
RHOB	2	7,10E-03	2,09	1,18	1,88	Homo sapiens ras homolog gene family, member B (RHOB), mRNA [NM_004040]
XLOC_006252	7	3,66E-04	2,08	-1,14	1,96	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
XLOC_003457	4	3,46E-02	2,08	-1,44	1,93	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
TINF2	14	4,56E-03	2,08	1,28	2,07	Homo sapiens TERF1 (TRF1)-interacting nuclear factor 2 (TINF2), transcript variant 2,

						mRNA [NM_012461]
NCF1	7	1,73E-02	2,08	-1,15	1,70	Homo sapiens neutrophil cytosolic factor 1 (NCF1), mRNA [NM_000265]
FAS	10	2,44E-03	2,08	1,05	2,01	Homo sapiens Fas (TNF receptor superfamily, member 6) (FAS), transcript variant 1, mRNA [NM_000043]
WDR45	X	7,29E-04	2,08	1,10	1,86	Homo sapiens WD repeat domain 45 (WDR45), transcript variant 1, mRNA [NM_007075]
	11	2,48E-02	2,08	1,17	2,04	Homo sapiens cDNA FLJ46155 fis, clone TESTI4001517. [AK128036]
	6	6,10E-03	2,08	1,05	1,91	Homo sapiens mRNA; cDNA DKFZp686H0413 (from clone DKFZp686H0413). [AL832737]
KRT8	12	4,10E-05	2,08	1,24	1,92	Homo sapiens keratin 8 (KRT8), mRNA [NM_002273]
GRAMD1C	3	1,42E-03	2,08	-1,04	1,93	Homo sapiens GRAM domain containing 1C (GRAMD1C), transcript variant 1, mRNA [NM_017577]
EPB41L5	2	8,22E-04	2,07	1,05	1,76	Homo sapiens erythrocyte membrane protein band 4.1 like 5 (EPB41L5), transcript variant 3, mRNA [NM_001184938]
C9orf89	9	2,05E-04	2,07	1,14	2,00	Homo sapiens chromosome 9 open reading frame 89 (C9orf89), mRNA [NM_032310]
LOC100510292	14	2,12E-02	2,07	1,32	1,90	PREDICTED: Homo sapiens putative alpha-1-antitrypsin-related protein-like (LOC100510292), mRNA [XM_003120788]
	16	3,52E-03	2,07	1,01	1,75	lincRNA:chr16:20866393-20866851 reverse strand
	2	3,26E-02	2,07	1,41	2,03	BX104084 Soares_testis_NHT Homo sapiens cDNA clone IMAGp998N184411, mRNA sequence [BX104084]
UHMK1	1	4,99E-04	2,07	1,01	1,96	Homo sapiens U2AF homology motif (UHM) kinase 1 (UHMK1), transcript

						variant 1, mRNA [NM_175866]
DNAJB6	7	6,88E-04	2,07	1,16	2,02	Homo sapiens DnaJ (Hsp40) homolog, subfamily B, member 6 (DNAJB6), transcript variant 2, mRNA [NM_005494]
SCYL3	1	1,30E-06	2,07	1,00	1,99	Homo sapiens SCY1-like 3 (S. cerevisiae) (SCYL3), transcript variant 1, mRNA [NM_020423]
CEACAM3	19	4,30E-03	2,07	-1,07	1,56	Homo sapiens carcinoembryonic antigen-related cell adhesion molecule 3 (CEACAM3), mRNA [NM_001815]
	7	4,40E-02	2,07	1,40	1,61	lincRNA:chr7:45019225-45026725 reverse strand
RBM47	4	1,71E-03	2,06	1,15	1,89	Homo sapiens RNA binding motif protein 47 (RBM47), transcript variant 2, mRNA [NM_019027]
IRX5	16	2,74E-03	2,06	-1,05	1,59	Homo sapiens iroquois homeobox 5 (IRX5), mRNA [NM_005853]
CCNL1	3	1,37E-03	2,06	-1,07	1,82	Homo sapiens cyclin L1 (CCNL1), mRNA [NM_020307]
BBX	3	1,57E-05	2,06	1,06	1,92	Homo sapiens bobby sox homolog (Drosophila) (BBX), transcript variant 2, mRNA [NM_020235]
NFASC	1	7,46E-04	2,06	1,05	1,84	Homo sapiens neurofascin (NFASC), transcript variant 1, mRNA [NM_001005388]
C13orf27	13	1,08E-04	2,06	1,04	1,95	Homo sapiens chromosome 13 open reading frame 27 (C13orf27), mRNA [NM_138779]
	2	2,17E-03	2,06	1,19	1,92	PREDICTED: Homo sapiens hypothetical LOC100128130 (LOC100128130), miscRNA [XR_109904]
ARL5B	10	5,22E-04	2,06	-1,04	1,78	Homo sapiens ADP-ribosylation factor-like 5B (ARL5B), mRNA [NM_178815]
MBP	18	3,93E-05	2,06	1,05	1,96	Homo sapiens myelin basic protein (MBP), transcript variant 8, mRNA [NM_001025100]
CHAC1	15	6,16E-03	2,05	-1,45	1,48	Homo sapiens ChaC, cation transport regulator homolog 1 (E. coli) (CHAC1), transcript variant 1,

						mRNA [NM_024111]
BBX	3	8,31E-05	2,05	-1,01	1,89	Homo sapiens bobby sox homolog (Drosophila) (BBX), transcript variant 1, mRNA [NM_001142568]
CLDN25	11	2,09E-02	2,05	1,30	1,61	Homo sapiens claudin 25 (CLDN25), mRNA [NM_001101389]
SFTA2	6	1,61E-02	2,05	1,02	2,02	Homo sapiens surfactant associated 2 (SFTA2), mRNA [NM_205854]
GJA4	1	2,68E-02	2,05	1,00	1,63	Homo sapiens gap junction protein, alpha 4, 37kDa (GJA4), mRNA [NM_002060]
LOC440900	2	1,30E-02	2,05	1,14	1,97	Homo sapiens hypothetical LOC440900 (LOC440900), non-coding RNA [NR_034128]
STBD1	4	9,87E-04	2,05	1,17	1,84	Homo sapiens starch binding domain 1 (STBD1), mRNA [NM_003943]
PDE6H	12	1,30E-02	2,05	1,06	1,33	Homo sapiens phosphodiesterase 6H, cGMP-specific, cone, gamma (PDE6H), mRNA [NM_006205]
CHIC2	4	1,36E-03	2,04	1,02	1,93	Homo sapiens cysteine-rich hydrophobic domain 2 (CHIC2), mRNA [NM_012110]
PTER	10	6,85E-04	2,04	-1,09	1,81	Homo sapiens phosphotriesterase related (PTER), transcript variant 1, mRNA [NM_001001484]
ASB7	15	4,52E-04	2,04	1,18	1,86	Homo sapiens ankyrin repeat and SOCS box containing 7 (ASB7), transcript variant 1, mRNA [NM_024708]
TAOK3	12	2,30E-03	2,04	-1,05	2,01	Homo sapiens TAO kinase 3 (TAOK3), mRNA [NM_016281]
NCBP1	9	1,67E-02	2,04	1,00	-1,38	nuclear cap binding protein subunit 1, 80kDa [Source:HGNC Symbol;Acc:7658] [ENST00000375130]
USP15	12	1,92E-04	2,04	1,15	2,04	Homo sapiens ubiquitin specific peptidase 15 (USP15), mRNA [NM_006313]
MBD2	18	1,56E-02	2,04	-1,07	1,59	Homo sapiens methyl-CpG binding

						domain protein 2 (MBD2), transcript variant 2, mRNA [NM_015832]
LOC645261	5	1,90E-02	2,04	-1,13	1,90	Homo sapiens PP565 mRNA, complete cds. [AF258587]
CDKN2A	9	7,63E-05	2,04	1,12	1,99	Homo sapiens cyclin-dependent kinase inhibitor 2A (melanoma, p16, inhibits CDK4) (CDKN2A), transcript variant 1, mRNA [NM_000077]
ARHGEF35	7	2,99E-05	2,03	-1,08	1,92	Homo sapiens Rho guanine nucleotide exchange factor (GEF) 35 (ARHGEF35), mRNA [NM_001003702]
FOLR2	11	2,30E-04	2,03	-1,15	2,02	Homo sapiens folate receptor 2 (fetal) (FOLR2), transcript variant 1, mRNA [NM_000803]
SPCS3	4	4,04E-06	2,03	1,06	1,98	Homo sapiens signal peptidase complex subunit 3 homolog (S. cerevisiae) (SPCS3), mRNA [NM_021928]
SHISA5	3	3,18E-04	2,03	1,14	2,03	Homo sapiens shisa homolog 5 (Xenopus laevis) (SHISA5), mRNA [NM_016479]
USP49	6	5,19E-05	2,03	1,13	1,73	ubiquitin specific peptidase 49 [Source:HGNC Symbol;Acc:20078] [ENST00000394253]
BHLHE40	3	1,62E-02	2,03	1,21	1,98	Homo sapiens basic helix-loop-helix family, member e40 (BHLHE40), mRNA [NM_003670]
GABPB1	15	4,64E-04	2,03	1,01	1,98	Homo sapiens GA binding protein transcription factor, beta subunit 1 (GABPB1), transcript variant gamma-1, mRNA [NM_002041]
GCNT3	15	4,34E-02	2,02	-1,40	1,16	Homo sapiens glucosaminyl (N-acetyl) transferase 3, mucin type (GCNT3), mRNA [NM_004751]
CYP4X1	1	3,86E-03	2,02	1,02	1,61	Homo sapiens cytochrome P450, family 4, subfamily X, polypeptide 1 (CYP4X1), mRNA [NM_178033]
C15orf39	15	1,08E-03	2,02	-1,00	1,72	Homo sapiens chromosome 15 open reading frame 39 (C15orf39),

						mRNA [NM_015492]
FLOT1	6	2,07E-04	2,02	1,16	1,92	Homo sapiens flotillin 1 (FLOT1), mRNA [NM_005803]
EPHA2	1	1,05E-03	2,02	1,15	1,86	Homo sapiens EPH receptor A2 (EPHA2), mRNA [NM_004431]
HIATL1	9	1,40E-02	2,02	1,27	1,90	Homo sapiens hippocampus abundant transcript-like 1 (HIATL1), mRNA [NM_032558]
LINS	15	1,06E-03	2,01	1,21	1,87	Homo sapiens lines homolog (Drosophila) (LINS), transcript variant 6, mRNA [NM_001040616]
MCL1	1	1,25E-04	2,01	1,14	1,93	Homo sapiens myeloid cell leukemia sequence 1 (BCL2-related) (MCL1), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_021960]
DCP1A	3	1,62E-04	2,01	1,09	1,98	Homo sapiens DCP1 decapping enzyme homolog A (S. cerevisiae) (DCP1A), mRNA [NM_018403]
RNF24	20	2,62E-05	2,01	-1,04	1,95	Homo sapiens ring finger protein 24 (RNF24), transcript variant 1, mRNA [NM_007219]
EHBP1L1	11	4,13E-03	2,01	1,10	1,89	Homo sapiens EH domain binding protein 1-like 1 (EHBP1L1), mRNA [NM_001099409]
HMGCLL1	6	5,29E-03	2,01	1,10	1,62	Homo sapiens 3-hydroxymethyl-3-methylglutaryl-CoA lyase-like 1 (HMGCLL1), transcript variant 1, mRNA [NM_019036]
CAB39	2	1,96E-03	2,01	1,02	1,88	Homo sapiens calcium binding protein 39 (CAB39), transcript variant 2, mRNA [NM_001130849]
PGD	1	3,62E-04	2,00	1,10	1,81	Homo sapiens phosphogluconate dehydrogenase (PGD), mRNA [NM_002631]
	5	2,80E-02	2,00	1,13	1,59	lincRNA:chr5:38812198-38814135 reverse strand
PHC2	1	2,35E-04	2,00	1,18	1,99	Homo sapiens polyhomeotic homolog 2 (Drosophila) (PHC2),

						transcript variant 1, mRNA [NM_198040]
NT5C2	10	5,17E-04	2,00	-1,03	1,69	Homo sapiens 5'-nucleotidase, cytosolic II (NT5C2), transcript variant 1, mRNA [NM_012229]

Supplementary Table E11, IL-22 antagonized IFN-¥ down regulated genes

GeneSymbol	Chr	p-value	Fold change (IFN-¥ vs N.T.)	Fold change (IL-22 vs N.T.)	Fold change (IFN-¥/IL-22 vs N.T.)	Description
MEX3B	15	1,32E-05	-25,19	-1,08	-23,64	Homo sapiens mex-3 homolog B (C. elegans) (MEX3B), mRNA [NM_032246]
DMRT2	9	2,60E-04	-14,49	-1,19	-13,16	Homo sapiens doublesex and mab-3 related transcription factor 2 (DMRT2), transcript variant 1, mRNA [NM_006557]
ZNF850	19	5,47E-05	-14,47	1,07	-13,43	Homo sapiens zinc finger protein 850 (ZNF850), mRNA [NM_001193552]
ID3	1	4,22E-04	-12,58	-1,22	-9,74	Homo sapiens inhibitor of DNA binding 3, dominant negative helix-loop-helix protein (ID3), mRNA [NM_002167]
DACT2	6	5,03E-03	-12,27	-1,18	-12,25	Homo sapiens dapper, antagonist of beta-catenin, homolog 2 (Xenopus laevis) (DACT2), mRNA [NM_214462]
S1PR1	1	1,09E-05	-11,37	1,08	-8,86	Homo sapiens sphingosine-1-phosphate receptor 1 (S1PR1), mRNA [NM_001400]
NPR3	5	2,46E-04	-10,95	1,13	-9,58	Homo sapiens natriuretic peptide receptor C/guanylate cyclase C (atrionatriuretic peptide receptor C) (NPR3), transcript variant 1, mRNA [NM_001204375]
NPR3	5	1,56E-04	-10,88	-1,02	-7,77	Homo sapiens natriuretic peptide receptor C/guanylate cyclase C (atrionatriuretic peptide receptor C) (NPR3), transcript variant 2, mRNA [NM_000908]
ZNF608	5	1,08E-04	-10,66	-1,05	-9,80	Homo sapiens zinc finger protein 608 (ZNF608), mRNA [NM_020747]
KCNAB2	1	4,24E-02	-10,60	-9,04	-8,21	Homo sapiens potassium voltage-gated channel, shaker-related subfamily, beta member 2 (KCNAB2), transcript variant 1, mRNA [NM_003636]
C17orf99	17	1,02E-02	-9,44	-1,14	-4,04	Homo sapiens chromosome 17

						open reading frame 99 (C17orf99), mRNA [NM_001163075]
DTL	1	1,09E-02	-9,41	-1,04	-5,76	Homo sapiens denticleless homolog (Drosophila) (DTL), mRNA [NM_016448]
MUM1L1	X	1,44E-04	-9,37	-1,51	-9,02	Homo sapiens melanoma associated antigen (mutated) 1-like 1 (MUM1L1), transcript variant 2, mRNA [NM_152423]
BMPER	7	3,00E-03	-8,36	1,20	-6,45	Homo sapiens BMP binding endothelial regulator (BMPER), mRNA [NM_133468]
LPPR1	9	4,10E-03	-8,34	-1,02	-7,34	Homo sapiens lipid phosphate phosphatase-related protein type 1 (LPPR1), transcript variant 1, mRNA [NM_207299]
SLITRK6	13	3,81E-05	-8,19	1,02	-7,28	Homo sapiens SLIT and NTRK-like family, member 6 (SLITRK6), mRNA [NM_032229]
CBX2	17	1,22E-04	-7,91	-1,06	-5,51	Homo sapiens chromobox homolog 2 (CBX2), transcript variant 1, mRNA [NM_005189]
CSRNP3	2	4,65E-04	-7,54	-1,07	-4,47	Homo sapiens cysteine-serine-rich nuclear protein 3 (CSRNP3), transcript variant 1, mRNA [NM_001172173]
FLRT3	20	1,84E-04	-7,50	-1,18	-6,24	Homo sapiens fibronectin leucine rich transmembrane protein 3 (FLRT3), transcript variant 2, mRNA [NM_198391]
ARL4C	2	6,85E-04	-7,49	-1,29	-6,37	Homo sapiens ADP-ribosylation factor-like 4C (ARL4C), mRNA [NM_005737]
C10orf114	10	9,07E-06	-7,39	-1,17	-6,54	Homo sapiens chromosome 10 open reading frame 114 (C10orf114), mRNA [NM_001010911]
ZNF367	9	3,17E-04	-7,35	-1,03	-6,81	Homo sapiens zinc finger protein 367 (ZNF367), mRNA [NM_153695]
	11	5,74E-03	-7,00	-1,18	-4,39	DA375949 BRTHA2 Homo sapiens cDNA clone BRTHA2007423 5', mRNA sequence [DA375949]
EID2B	19	5,76E-03	-6,96	-1,17	-5,14	Homo sapiens

						EP300 interacting inhibitor of differentiation 2B (EID2B), mRNA [NM_152361]
NOG	17	1,37E-03	-6,91	-1,25	-4,26	Homo sapiens noggin (NOG), mRNA [NM_005450]
MEX3A	1	4,94E-05	-6,88	-1,03	-5,52	Homo sapiens mex-3 homolog A (C. elegans) (MEX3A), mRNA [NM_001093725]
		1,30E-02	-6,68	-1,26	-5,97	hg18:lincRNA:chr8:29728438-29805562 forward strand
TMEM200B	1	1,03E-03	-6,60	-1,23	-6,58	Homo sapiens transmembrane protein 200B (TMEM200B), transcript variant 2, mRNA [NM_001003682]
FAM111B	11	3,29E-03	-6,58	-1,13	-5,87	Homo sapiens family with sequence similarity 111, member B (FAM111B), transcript variant 1, mRNA [NM_198947]
PALMD	1	6,10E-07	-6,56	-1,07	-5,63	Homo sapiens palmdelphin (PALMD), mRNA [NM_017734]
SRGAP3	3	2,08E-03	-6,51	1,07	-6,16	Homo sapiens SLIT-ROBO Rho GTPase activating protein 3 (SRGAP3), transcript variant 1, mRNA [NM_014850]
RBM24	6	3,18E-03	-6,26	1,09	-3,86	Homo sapiens RNA binding motif protein 24 (RBM24), transcript variant 2, mRNA [NM_153020]
SMOC2	6	1,08E-03	-6,24	-1,05	-4,39	Homo sapiens SPARC related modular calcium binding 2 (SMOC2), transcript variant 1, mRNA [NM_022138]
PROC	2	3,85E-03	-6,21	-1,01	-5,94	Homo sapiens protein C (inactivator of coagulation factors Va and VIIIa) (PROC), mRNA [NM_000312]
LRMP	12	1,26E-02	-6,13	-1,03	-5,09	Homo sapiens lymphoid-restricted membrane protein (LRMP), transcript variant 1, mRNA [NM_006152]
FAM198B	4	6,69E-03	-6,07	-1,04	-5,87	Homo sapiens family with sequence similarity 198, member B (FAM198B), transcript variant 2,

						mRNA [NM_016613]
LOC644662	3	3,17E-02	-6,04	-1,32	-2,32	PREDICTED: Homo sapiens hypothetical protein LOC644662, transcript variant 2 (LOC644662), mRNA [XM_933903]
XLOC_014105	21	2,64E-02	-6,03	2,34	-5,20	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
EID2B	19	3,95E-04	-6,01	-1,24	-4,20	Homo sapiens EP300 interacting inhibitor of differentiation 2B (EID2B), mRNA [NM_152361]
PNMAL1	19	3,70E-03	-5,92	-1,00	-5,45	Homo sapiens PNMA-like 1 (PNMAL1), transcript variant 1, mRNA [NM_018215]
CDH6	5	1,26E-02	-5,89	-1,02	-4,62	Homo sapiens cadherin 6, type 2, K-cadherin (fetal kidney) (CDH6), mRNA [NM_004932]
PANK1	10	5,13E-03	-5,87	-1,10	-5,15	Homo sapiens pantothenate kinase 1 (PANK1), transcript variant alpha, mRNA [NM_148977]
GLI1	12	1,82E-02	-5,84	-1,34	-4,49	Homo sapiens GLI family zinc finger 1 (GLI1), transcript variant 1, mRNA [NM_005269]
AKNAD1	1	2,05E-02	-5,65	-1,37	-4,23	Homo sapiens AKNA domain containing 1 (AKNAD1), mRNA [NM_152763]
FZD10	12	7,63E-05	-5,65	1,05	-4,96	Homo sapiens frizzled family receptor 10 (FZD10), mRNA [NM_007197]
SLC25A27	6	4,76E-03	-5,62	-1,28	-5,30	Homo sapiens solute carrier family 25, member 27 (SLC25A27), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_004277]
PTHLH	12	2,29E-06	-5,61	1,01	-4,48	Homo sapiens parathyroid hormone-like hormone (PTHLH), transcript variant 1, mRNA [NM_198965]
ADAMTS1	21	7,04E-05	-5,57	-1,04	-4,24	Homo sapiens ADAM metallopeptidase with thrombospondin type 1 motif, 1 (ADAMTS1), mRNA [NM_006988]
HEY1	8	6,57E-03	-5,55	-1,07	-4,53	Homo sapiens

						hairy/enhancer-of-split related with YRPW motif 1 (HEY1), transcript variant 2, mRNA [NM_001040708]
C9orf150	9	8,63E-05	-5,54	-1,24	-5,14	Homo sapiens chromosome 9 open reading frame 150 (C9orf150), mRNA [NM_203403]
BCL2	18	1,35E-03	-5,51	-1,37	-5,21	Homo sapiens B-cell CLL/lymphoma 2 (BCL2), nuclear gene encoding mitochondrial protein, transcript variant alpha, mRNA [NM_000633]
LOC100505695	2	3,66E-02	-5,50	-1,34	-3,48	PREDICTED: Homo sapiens hypothetical protein LOC100505695 (LOC100505695), mRNA [XM_003118514]
LOC729088	6	4,22E-03	-5,48	-1,30	-4,69	PREDICTED: Homo sapiens hypothetical LOC729088 (LOC729088), miscRNA [XR_112950]
SDR9C7	12	1,09E-02	-5,47	-1,43	-4,88	Homo sapiens short chain dehydrogenase/reductase family 9C, member 7 (SDR9C7), mRNA [NM_148897]
RIBC2	22	7,39E-03	-5,43	-1,14	-5,31	Homo sapiens RIB43A domain with coiled-coils 2 (RIBC2), mRNA [NM_015653]
RCOR2	11	9,26E-04	-5,41	-1,15	-4,00	Homo sapiens REST corepressor 2 (RCOR2), mRNA [NM_173587]
SMO	7	5,13E-04	-5,41	-1,04	-5,28	Homo sapiens smoothened, frizzled family receptor (SMO), mRNA [NM_005631]
ADAMTS1	21	1,10E-04	-5,38	-1,01	-4,34	Homo sapiens ADAM metallopeptidase with thrombospondin type 1 motif, 1 (ADAMTS1), mRNA [NM_006988]
CCNE2	8	1,79E-03	-5,37	-1,01	-4,55	Homo sapiens cyclin E2 (CCNE2), mRNA [NM_057749]
CNTNAP2	7	1,16E-02	-5,37	-1,76	-3,75	Homo sapiens contactin associated protein-like 2 (CNTNAP2), mRNA [NM_014141]
PTCH1	9	4,74E-03	-5,33	-1,04	-3,00	Homo sapiens

						patched 1 (PTCH1), transcript variant 1a, mRNA [NM_001083602]
NANOS1	10	3,34E-04	-5,31	1,44	-4,15	Homo sapiens nanos homolog 1 (Drosophila) (NANOS1), mRNA [NM_199461]
	7	3,12E-02	-5,28	-2,33	-1,93	lincRNA:chr7:33664500-33886275 forward strand
CDT1	16	2,48E-03	-5,28	-1,02	-3,93	Homo sapiens chromatin licensing and DNA replication factor 1 (CDT1), mRNA [NM_030928]
NFYA	6	7,44E-06	-5,25	1,04	-4,55	Homo sapiens nuclear transcription factor Y, alpha (NFYA), transcript variant 1, mRNA [NM_002505]
ZNF367	9	2,92E-02	-5,24	-1,06	-5,19	Homo sapiens zinc finger protein 367 (ZNF367), mRNA [NM_153695]
SALL2	14	5,90E-04	-5,21	-1,20	-4,63	Homo sapiens sal-like 2 (Drosophila) (SALL2), mRNA [NM_005407]
RUNX2	6	1,16E-03	-5,21	-1,32	-4,51	Homo sapiens runt-related transcription factor 2 (RUNX2), transcript variant 3, mRNA [NM_004348]
THBD	20	5,97E-05	-5,20	1,12	-3,93	Homo sapiens thrombomodulin (THBD), mRNA [NM_000361]
BHLHE41	12	1,27E-02	-5,18	-1,05	-2,82	Homo sapiens basic helix-loop-helix family, member e41 (BHLHE41), mRNA [NM_030762]
LOC100128477	6	7,94E-03	-5,16	-1,05	-2,82	Homo sapiens cDNA FLJ16829 fis, clone UTERU3020583. [AK131572]
RAB3A	19	6,35E-03	-5,15	-1,01	-5,06	Homo sapiens RAB3A, member RAS oncogene family (RAB3A), mRNA [NM_002866]
RPL27A	11	1,76E-07	-5,15	1,05	-4,44	Homo sapiens ribosomal protein L27a (RPL27A), mRNA [NM_000990]
DDIT4L	4	8,74E-03	-5,15	-1,63	-3,70	Homo sapiens DNA-damage-inducible transcript 4-like (DDIT4L), mRNA [NM_145244]
CTTNBP2	7	7,95E-04	-5,14	1,11	-2,89	Homo sapiens cortactin binding protein 2 (CTTNBP2), mRNA [NM_033427]
C10orf140	10	2,71E-06	-5,13	-1,44	-5,12	Homo sapiens

						chromosome 10 open reading frame 140 (C10orf140), mRNA [NM_207371]
E2F1	20	1,04E-02	-5,10	-1,09	-3,65	Homo sapiens E2F transcription factor 1 (E2F1), mRNA [NM_005225]
OVOL2	20	1,33E-04	-5,10	-1,05	-4,50	Homo sapiens ovo-like 2 (Drosophila) (OVOL2), mRNA [NM_021220]
SBK1	16	1,06E-02	-5,09	1,02	-4,48	Homo sapiens SH3-binding domain kinase 1 (SBK1), mRNA [NM_001024401]
LOC401431	7	7,98E-03	-5,09	-1,63	-3,92	Homo sapiens hypothetical LOC401431 (LOC401431), non-coding RNA [NR_027040]
	1	5,14E-05	-5,08	-1,09	-4,52	chromosome 1 open reading frame 98 [Source:HGNC Symbol;Acc:21901] [ENST00000367356]
MYCL1	1	1,74E-04	-5,07	1,19	-4,01	Homo sapiens v-myc myelocytomatosis viral oncogene homolog 1, lung carcinoma derived (avian) (MYCL1), transcript variant 1, mRNA [NM_001033081]
CEP68	2	2,58E-03	-5,03	-1,06	-2,42	centrosomal protein 68kDa [Source:HGNC Symbol;Acc:29076] [ENST00000537589]
	11	1,36E-02	-5,01	-2,37	-2,58	lincRNA:chr11:120050990-120061540 forward strand
GPER	7	3,95E-05	-4,98	1,04	-4,10	Homo sapiens G protein-coupled estrogen receptor 1 (GPER), transcript variant 3, mRNA [NM_001039966]
DNALI1	1	3,68E-02	-4,98	-1,37	-2,14	Homo sapiens dynein, axonemal, light intermediate chain 1 (DNALI1), mRNA [NM_003462]
MYB	6	7,95E-05	-4,96	1,14	-4,38	Homo sapiens v-myb myeloblastosis viral oncogene homolog (avian) (MYB), transcript variant 2, mRNA [NM_005375]
	8	3,08E-05	-4,90	-1,07	-4,34	lincRNA:chr8:107284490-107284921 forward strand
ODZ2	5	2,28E-05	-4,90	-1,08	-3,67	Homo sapiens odz, odd Oz/ten-m homolog 2 (Drosophila) (ODZ2),

						mRNA [NM_001122679]
XLOC_011183	15	4,62E-05	-4,89	-1,10	-3,44	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
SLC25A29	14	6,25E-05	-4,89	1,05	-4,37	Homo sapiens solute carrier family 25, member 29 (SLC25A29), nuclear gene encoding mitochondrial protein, mRNA [NM_001039355]
KHK	2	1,46E-03	-4,83	1,00	-3,69	Homo sapiens ketohexokinase (fructokinase) (KHK), transcript variant a, mRNA [NM_000221]
NEIL3	4	3,44E-02	-4,83	-1,11	-3,66	Homo sapiens nei endonuclease VIII-like 3 (E. coli) (NEIL3), mRNA [NM_018248]
	1	1,26E-02	-4,83	-1,31	-4,44	forkhead box O6 [Source:HGNC Symbol;Acc:24814] [ENST00000372591]
C1orf118	1	3,55E-03	-4,82	-1,07	-4,62	PREDICTED: Homo sapiens chromosome 1 open reading frame 118 (C1orf118), miscRNA [XR_113334]
	5	2,10E-03	-4,81	1,02	-1,14	lincRNA:chr5:44822311-44822973 forward strand
HIST1H1B	6	4,41E-03	-4,80	-1,09	-3,77	Homo sapiens histone cluster 1, H1b (HIST1H1B), mRNA [NM_005322]
SAMD13	1	5,71E-04	-4,78	-1,14	-2,70	Homo sapiens sterile alpha motif domain containing 13 (SAMD13), transcript variant 1, mRNA [NM_001010971]
C4orf21	4	2,83E-03	-4,77	-1,07	-2,53	chromosome 4 open reading frame 21 [Source:HGNC Symbol;Acc:25654] [ENST00000264370]
ODZ2	5	4,02E-05	-4,72	1,00	-3,64	Homo sapiens odz, odd Oz/ten-m homolog 2 (Drosophila) (ODZ2), mRNA [NM_001122679]
MCM10	10	9,04E-04	-4,72	-1,03	-3,96	Homo sapiens minichromosome maintenance complex component 10 (MCM10), transcript variant 1, mRNA [NM_182751]
	13	2,11E-03	-4,71	-1,17	-2,54	lincRNA:chr13:42615850-42621075 forward strand

AMTN	4	2,84E-05	-4,69	1,05	-3,82	Homo sapiens amelotin (AMTN), mRNA [NM_212557]
LRP2	2	1,41E-02	-4,69	-2,42	-2,62	Homo sapiens low density lipoprotein receptor-related protein 2 (LRP2), mRNA [NM_004525]
DEXI	16	1,43E-04	-4,67	1,01	-3,37	Homo sapiens Dexi homolog (mouse) (DEXI), mRNA [NM_014015]
KIAA1549	7	8,19E-04	-4,64	-1,28	-3,36	Homo sapiens KIAA1549 (KIAA1549), transcript variant 2, mRNA [NM_001164665]
ZNF90	19	6,71E-04	-4,64	1,06	-2,67	Homo sapiens zinc finger protein 90 (ZNF90), mRNA [NM_007138]
	8	1,66E-05	-4,63	-1,11	-4,22	lincRNA:chr8:107283938-107285127 forward strand
ZNF681	19	3,91E-03	-4,61	1,10	-2,80	Homo sapiens zinc finger protein 681 (ZNF681), mRNA [NM_138286]
NEXN	1	9,61E-04	-4,60	-1,15	-4,23	Homo sapiens nexilin (F actin binding protein) (NEXN), transcript variant 1, mRNA [NM_144573]
LOC646903	3	2,96E-03	-4,58	1,00	-4,19	Homo sapiens hypothetical LOC646903 (LOC646903), non-coding RNA [NR_036538]
EXO1	1	8,12E-03	-4,57	1,01	-3,45	Homo sapiens exonuclease 1 (EXO1), transcript variant 3, mRNA [NM_003686]
	1	1,32E-04	-4,54	-1,22	-3,22	lincRNA:chr1:200331904-200332270 reverse strand
	Un_gl000218	2,28E-03	-4,52	-2,04	-3,92	Homo sapiens hCG2042718, mRNA (cDNA clone MGC:157828 IMAGE:40127380), complete cds. [BC127725]
ROR1	1	3,16E-03	-4,51	-1,10	-3,27	receptor tyrosine kinase-like orphan receptor 1 [Source:HGNC Symbol;Acc:10256] [ENST00000371079]
	4	6,58E-03	-4,50	-1,16	-3,12	lincRNA:chr4:257555-258171 reverse strand
DSCC1	8	1,02E-02	-4,49	1,04	-3,18	Homo sapiens defective in sister chromatid cohesion 1 homolog (S. cerevisiae) (DSCC1),

						mRNA [NM_024094]
KIAA1257	3	4,90E-03	-4,49	-2,31	-3,81	Homo sapiens KIAA1257 (KIAA1257), mRNA [NM_020741]
GPR19	12	1,22E-03	-4,49	-1,07	-4,17	Homo sapiens G protein-coupled receptor 19 (GPR19), mRNA [NM_006143]
KIAA1377	11	2,54E-04	-4,46	-1,55	-4,34	Homo sapiens KIAA1377 (KIAA1377), mRNA [NM_020802]
MAP3K12	12	1,38E-03	-4,44	-1,08	-3,85	Homo sapiens mitogen-activated protein kinase kinase kinase 12 (MAP3K12), transcript variant 2, mRNA [NM_006301]
NCRNA00313	21	3,18E-03	-4,41	-1,32	-4,21	Homo sapiens non-protein coding RNA 313 (NCRNA00313), non-coding RNA [NR_026863]
FZD2	17	1,05E-03	-4,39	-1,01	-3,86	Homo sapiens frizzled family receptor 2 (FZD2), mRNA [NM_001466]
C11orf45	11	4,00E-04	-4,39	1,19	-3,15	Homo sapiens chromosome 11 open reading frame 45 (C11orf45), mRNA [NM_145013]
PEG3	19	4,00E-02	-4,33	-3,00	-2,13	Homo sapiens paternally expressed 3 (PEG3), transcript variant 1, mRNA [NM_006210]
FGFR2	10	8,87E-04	-4,32	-1,03	-4,14	Homo sapiens fibroblast growth factor receptor 2 (FGFR2), transcript variant 2, mRNA [NM_022970]
	12	7,15E-04	-4,32	-1,34	-3,94	huntingtin interacting protein 1 related [Source:HGNC Symbol;Acc:18415] [ENST00000535831]
PDZD7	10	8,70E-03	-4,30	-1,14	-2,16	Homo sapiens PDZ domain containing 7 (PDZD7), transcript variant 2, mRNA [NM_024895]
NCRNA00245	10	1,56E-04	-4,29	-1,19	-3,64	Homo sapiens non-protein coding RNA 245 (NCRNA00245), transcript variant 1, non-coding RNA [NR_024421]
	5	2,07E-05	-4,28	1,07	-3,88	full-length cDNA clone CS0DC006YB07 of Neuroblastoma Cot 25-normalized of Homo sapiens (human).

						[CR596214]
MXRA8	1	1,35E-02	-4,27	-1,30	-2,34	Homo sapiens matrix-remodelling associated 8 (MXRA8), mRNA [NM_032348]
CLSPN	1	9,51E-03	-4,27	-1,26	-3,27	Homo sapiens claspin (CLSPN), transcript variant 1, mRNA [NM_022111]
	8	9,77E-06	-4,27	-1,04	-4,03	oxidation resistance 1 [Source:HGNC Symbol;Acc:15822] [ENST00000521369]
SMAD5-AS1	5	9,20E-04	-4,27	1,01	-3,83	Homo sapiens SMAD5 antisense RNA 1 (non-protein coding) (SMAD5-AS1), non-coding RNA [NR_026763]
CYYR1	21	5,85E-04	-4,25	-1,03	-3,18	Homo sapiens cysteine/tyrosine-rich 1 (CYYR1), mRNA [NM_052954]
CDCA7	2	5,45E-03	-4,25	1,05	-3,18	Homo sapiens cell division cycle associated 7 (CDCA7), transcript variant 1, mRNA [NM_031942]
SEMA5A	5	1,30E-02	-4,23	-1,16	-3,89	Homo sapiens sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A (SEMA5A), mRNA [NM_003966]
NR0B1	X	4,66E-03	-4,22	-1,43	-3,63	Homo sapiens nuclear receptor subfamily 0, group B, member 1 (NR0B1), mRNA [NM_000475]
	6	1,17E-02	-4,20	-1,65	-2,27	lincRNA:chr6:80256857-80257505 forward strand
XLOC_011183	15	7,10E-03	-4,18	-1,32	-3,43	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
SPATA17	1	1,97E-02	-4,18	-1,22	-2,60	Homo sapiens spermatogenesis associated 17 (SPATA17), mRNA [NM_138796]
05-set	22	3,49E-04	-4,16	-1,08	-3,35	Homo sapiens septin 5 (SEPT5), transcript variant 2, mRNA [NM_001009939]
	3	1,56E-02	-4,16	-1,50	-4,11	Homo sapiens hypothetical protein LOC151878, mRNA (cDNA clone IMAGE:3844647),

						partial cds. [BC014063]
TNFRSF10D	8	7,62E-04	-4,16	1,05	-3,55	Homo sapiens tumor necrosis factor receptor superfamily, member 10d, decoy with truncated death domain (TNFRSF10D), mRNA [NM_003840]
LOC100506845	9	5,35E-04	-4,16	-1,02	-3,38	PREDICTED: Homo sapiens hypothetical LOC100506845 (LOC100506845), partial miscRNA [XR_110608]
MFAP3L	4	1,35E-02	-4,14	1,06	-3,19	Homo sapiens microfibrillar-associated protein 3-like (MFAP3L), transcript variant 1, mRNA [NM_021647]
LOC375196	2	5,47E-03	-4,13	-1,07	-3,87	Homo sapiens hypothetical LOC375196 (LOC375196), non-coding RNA [NR_028386]
ELOVL4	6	1,16E-03	-4,11	-1,22	-4,10	Homo sapiens ELOVL fatty acid elongase 4 (ELOVL4), mRNA [NM_022726]
BMF	15	1,27E-02	-4,11	-1,02	-3,30	Homo sapiens Bcl2 modifying factor (BMF), transcript variant 1, mRNA [NM_001003940]
MCM6	2	1,90E-02	-4,10	1,03	-3,05	Homo sapiens minichromosome maintenance complex component 6 (MCM6), mRNA [NM_005915]
GPR125	4	1,28E-04	-4,08	-1,22	-3,23	Homo sapiens G protein-coupled receptor 125 (GPR125), mRNA [NM_145290]
LHX6	9	3,00E-02	-4,07	1,19	-2,03	Homo sapiens LIM homeobox 6 (LHX6), transcript variant 1, mRNA [NM_014368]
	14	2,96E-04	-4,07	-1,03	-3,68	Full-length cDNA clone CS0DF017YB20 of Fetal brain of Homo sapiens (human) [Source:UniProtKB/TrEMBL;Acc:Q86U27] [ENST00000380722]
FIGN	2	6,19E-04	-4,06	-1,12	-2,73	fidgetin [Source:HGNC Symbol;Acc:13285] [ENST00000333129]
GHR	5	8,41E-03	-4,06	1,07	-3,66	Homo sapiens growth hormone receptor (GHR), transcript variant 12,

						mRNA [NM_001242462]
	10	1,87E-02	-4,05	-1,30	-3,06	Homo sapiens mRNA; cDNA DKFZp781N1049 (from clone DKFZp781N1049). [CR627384]
TGFBR3	1	3,03E-03	-4,05	1,21	-3,34	Homo sapiens transforming growth factor, beta receptor III (TGFBR3), transcript variant 1, mRNA [NM_003243]
RAD54L	1	7,48E-03	-4,05	-1,01	-2,73	Homo sapiens RAD54-like (S. cerevisiae) (RAD54L), transcript variant 1, mRNA [NM_003579]
HIST1H1A	6	6,77E-03	-4,04	1,10	-3,29	Homo sapiens histone cluster 1, H1a (HIST1H1A), mRNA [NM_005325]
BMP4	14	1,99E-03	-4,04	-1,13	-3,14	Homo sapiens bone morphogenetic protein 4 (BMP4), transcript variant 1, mRNA [NM_001202]
ARRB1	11	5,46E-04	-4,04	1,05	-3,69	Homo sapiens arrestin, beta 1 (ARRB1), transcript variant 1, mRNA [NM_004041]
S1PR5	19	3,17E-04	-4,03	1,02	-3,58	Homo sapiens sphingosine-1-phosphate receptor 5 (S1PR5), transcript variant 1, mRNA [NM_030760]
FILIP1L	3	2,21E-04	-4,03	1,03	-3,98	Homo sapiens filamin A interacting protein 1-like (FILIP1L), transcript variant 1, mRNA [NM_182909]
CENPF	1	1,33E-02	-4,03	-1,34	-2,47	Homo sapiens centromere protein F, 350/400kDa (mitosin) (CENPF), mRNA [NM_016343]
ZNF90	19	1,14E-02	-4,03	-1,10	-3,95	Homo sapiens zinc finger protein 90 (ZNF90), mRNA [NM_007138]
PRODH	22	3,85E-03	-4,01	-1,03	-3,88	Homo sapiens proline dehydrogenase (oxidase) 1 (PRODH), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_016335]
DENND5B	12	9,76E-03	-4,01	-1,05	-3,42	Homo sapiens DENN/MADD domain containing 5B (DENND5B),

						mRNA [NM_144973]
	5	2,56E-02	-4,00	-1,87	-1,52	lincRNA:chr5:127385751-127406047 reverse strand
CXorf28	X	4,50E-04	-4,00	-1,03	-3,54	Homo sapiens chromosome X open reading frame 28 (CXorf28), non-coding RNA [NR_038428]
	16	2,79E-03	-3,99	-1,04	-3,91	cDNA FLJ38012 fis, clone CTONG2012554 [Source:UniProtKB/TrEMBL;Acc:Q8N1P8] [ENST00000536986]
ROR1	1	3,85E-04	-3,99	-1,18	-3,44	Homo sapiens receptor tyrosine kinase-like orphan receptor 1 (ROR1), transcript variant 1, mRNA [NM_005012]
APOBEC2	6	7,28E-05	-3,99	-1,29	-2,33	Homo sapiens apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 2 (APOBEC2), mRNA [NM_006789]
XLOC_011183	15	5,68E-04	-3,98	-1,18	-2,70	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
C7orf41	7	2,13E-06	-3,98	1,05	-3,29	Homo sapiens chromosome 7 open reading frame 41 (C7orf41), mRNA [NM_152793]
WEE1	11	3,58E-04	-3,96	-1,12	-3,86	Homo sapiens WEE1 homolog (S. pombe) (WEE1), transcript variant 1, mRNA [NM_003390]
CC2D2A	4	1,50E-03	-3,96	-1,02	-3,19	Homo sapiens coiled-coil and C2 domain containing 2A (CC2D2A), transcript variant 1, mRNA [NM_001080522]
FAM201A	9	3,55E-03	-3,93	-1,03	-2,83	Homo sapiens family with sequence similarity 201, member A (FAM201A), non-coding RNA [NR_027294]
KCNS1	20	1,35E-06	-3,93	1,07	-2,50	Homo sapiens potassium voltage-gated channel, delayed-rectifier, subfamily S, member 1 (KCNS1), mRNA [NM_002251]
MYBL1	8	5,68E-03	-3,92	-1,04	-3,00	Homo sapiens v-myb myeloblastosis viral oncogene homolog (avian)-like 1

						(MYBL1), transcript variant 1, mRNA [NM_001080416]
EXPH5	11	1,96E-04	-3,92	-1,23	-3,68	Homo sapiens exophilin 5 (EXPH5), mRNA [NM_015065]
CHST9	18	3,57E-03	-3,92	-1,57	-3,09	Homo sapiens carbohydrate (N-acetylgalactosamine 4-0) sulfotransferase 9 (CHST9), mRNA [NM_031422]
KIT	4	2,71E-02	-3,91	-1,24	-3,60	Homo sapiens v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT), transcript variant 1, mRNA [NM_000222]
CEP68	2	6,94E-04	-3,91	-1,00	-3,56	Homo sapiens centrosomal protein 68kDa (CEP68), mRNA [NM_015147]
DST	6	4,33E-03	-3,90	1,14	-3,27	Homo sapiens dystonin (DST), transcript variant 1e, mRNA [NM_001723]
	4	3,13E-03	-3,89	-1,21	-3,63	lincRNA:chr4:90602655-90605092 forward strand
DST	6	9,88E-04	-3,86	1,03	-3,11	Homo sapiens dystonin (DST), transcript variant 1e, mRNA [NM_001723]
MT1X	16	2,84E-05	-3,85	-1,05	-3,30	Homo sapiens metallothionein 1X (MT1X), mRNA [NM_005952]
NEXN	1	2,37E-03	-3,85	-1,03	-3,23	Homo sapiens nexilin (F actin binding protein) (NEXN), transcript variant 1, mRNA [NM_144573]
FLRT2	14	6,98E-04	-3,84	-1,09	-3,56	Homo sapiens fibronectin leucine rich transmembrane protein 2 (FLRT2), mRNA [NM_013231]
DEPDC7	11	1,14E-03	-3,84	1,00	-2,79	Homo sapiens DEP domain containing 7 (DEPDC7), transcript variant 2, mRNA [NM_139160]
HJURP	2	2,83E-02	-3,84	-1,05	-2,28	Homo sapiens Holliday junction recognition protein (HJURP), mRNA [NM_018410]
ISL1	5	9,73E-04	-3,84	1,02	-3,58	Homo sapiens ISL LIM homeobox 1 (ISL1), mRNA [NM_002202]
ARHGAP29	1	4,18E-03	-3,83	-1,79	-2,50	Rho GTPase activating protein 29 [Source:HGNC Symbol;Acc:30207] [ENST00000370217]
LCA5	6	1,42E-03	-3,82	-1,22	-3,50	Homo sapiens Leber congenital amaurosis

						5 (LCA5), transcript variant 1, mRNA [NM_181714]
DIXDC1	11	1,53E-03	-3,82	1,02	-3,65	Homo sapiens DIX domain containing 1 (DIXDC1), transcript variant 1, mRNA [NM_001037954]
	1	2,17E-02	-3,80	-1,60	-1,77	lincRNA:chr1:86062087-86107987 forward strand
TRIM45	1	2,02E-04	-3,78	-1,06	-3,38	Homo sapiens tripartite motif containing 45 (TRIM45), transcript variant 1, mRNA [NM_025188]
LOC730755	17	2,60E-04	-3,78	-1,25	-3,47	Homo sapiens keratin associated protein 2-4-like (LOC730755), mRNA [NM_001165252]
HIST2H3A	1	1,19E-03	-3,76	-1,26	-2,77	Homo sapiens histone cluster 2, H3a (HIST2H3A), mRNA [NM_001005464]
PRIM1	12	1,86E-03	-3,75	-1,03	-3,07	Homo sapiens primase, DNA, polypeptide 1 (49kDa) (PRIM1), mRNA [NM_000946]
	14	2,12E-02	-3,73	-2,53	-2,84	lincRNA:chr14:66896649-66896875 reverse strand
H2BFM	X	6,49E-03	-3,73	-1,09	-3,20	Homo sapiens H2B histone family, member M (H2BFM), mRNA [NM_001164416]
PIK3C2B	1	7,69E-04	-3,72	-1,05	-3,60	Homo sapiens phosphoinositide-3-kinase, class 2, beta polypeptide (PIK3C2B), mRNA [NM_002646]
NR2F1	5	9,65E-03	-3,71	1,25	-2,90	Homo sapiens nuclear receptor subfamily 2, group F, member 1 (NR2F1), mRNA [NM_005654]
TBC1D8	2	2,41E-03	-3,71	-1,09	-3,19	Homo sapiens TBC1 domain family, member 8 (with GRAM domain) (TBC1D8), mRNA [NM_001102426]
FLJ45831	17	1,81E-04	-3,70	-1,07	-3,00	PREDICTED: Homo sapiens hypothetical FLJ45831 (FLJ45831), miscRNA [XR_109367]
STON1	2	4,32E-04	-3,69	1,04	-3,64	Homo sapiens stonin 1 (STON1), transcript variant 2, mRNA [NM_006873]
SOX4	6	5,67E-04	-3,68	1,10	-2,82	Homo sapiens SRY

						(sex determining region Y)-box 4 (SOX4), mRNA [NM_003107]
HIST1H4E	6	2,36E-04	-3,68	-1,21	-2,98	Homo sapiens histone cluster 1, H4e (HIST1H4E), mRNA [NM_003545]
CLCN4	X	1,60E-04	-3,68	-1,19	-3,24	Homo sapiens chloride channel 4 (CLCN4), mRNA [NM_001830]
C6orf225	6	8,51E-03	-3,67	1,00	-3,21	Homo sapiens chromosome 6 open reading frame 225 (C6orf225), mRNA [NM_001033564]
CUX2	12	4,37E-03	-3,67	-1,07	-2,84	Homo sapiens cut-like homeobox 2 (CUX2), mRNA [NM_015267]
LMNB1	5	6,86E-03	-3,67	-1,07	-2,73	Homo sapiens lamin B1 (LMNB1), transcript variant 1, mRNA [NM_005573]
XLOC_014105	21	1,88E-05	-3,67	-1,13	-3,33	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
FAM27E3	9	4,09E-03	-3,66	-1,13	-2,93	PREDICTED: Homo sapiens family with sequence similarity 27, member E3 (FAM27E3), mRNA [XM_001720463]
FAM161A	2	2,92E-03	-3,66	-1,11	-3,53	Homo sapiens family with sequence similarity 161, member A (FAM161A), transcript variant 2, mRNA [NM_032180]
C21orf34	21	2,14E-03	-3,66	1,19	-2,08	Homo sapiens chromosome 21 open reading frame 34 (C21orf34), transcript variant 1, non-coding RNA [NR_027790]
LOC100506036	2	2,42E-03	-3,65	-1,01	-2,28	PREDICTED: Homo sapiens hypothetical LOC100506036 (LOC100506036), partial miscRNA [XR_109916]
ZNF677	19	2,45E-02	-3,65	-1,03	-1,45	zinc finger protein 677 [Source:HGNC Symbol;Acc:28730] [ENST00000333952]
FAM83D	20	2,11E-02	-3,65	-1,14	-2,58	Homo sapiens family with sequence similarity 83, member D (FAM83D), mRNA [NM_030919]
	4	7,75E-03	-3,65	-1,18	-3,37	Homo sapiens cDNA FLJ39473 fis, clone PROST2012890. [AK096792]

IRS1	2	1,66E-03	-3,65	1,09	-2,78	Homo sapiens insulin receptor substrate 1 (IRS1), mRNA [NM_005544]
	9	1,33E-03	-3,63	-1,02	-2,46	lincRNA:chr9:14316575-14324575 reverse strand
PDE5A	4	6,61E-04	-3,62	1,02	-3,14	Homo sapiens phosphodiesterase 5A, cGMP-specific (PDE5A), transcript variant 1, mRNA [NM_001083]
GPER	7	2,10E-05	-3,61	-1,09	-2,77	Homo sapiens G protein-coupled estrogen receptor 1 (GPER), transcript variant 3, mRNA [NM_001039966]
SH2D3C	9	3,51E-05	-3,61	1,15	-3,37	Homo sapiens SH2 domain containing 3C (SH2D3C), transcript variant 1, mRNA [NM_170600]
XLOC_008823	10	1,08E-03	-3,60	-1,27	-2,92	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
DDIT4L	4	9,88E-04	-3,59	-1,08	-2,59	Homo sapiens DNA-damage-inducible transcript 4-like, mRNA (cDNA clone MGC:9960 IMAGE:3877854), complete cds. [BC013592]
HIST1H3B	6	2,73E-03	-3,59	-1,16	-2,86	Homo sapiens histone cluster 1, H3b (HIST1H3B), mRNA [NM_003537]
GPR125	4	8,40E-06	-3,57	1,01	-3,08	Homo sapiens G protein-coupled receptor 125 (GPR125), mRNA [NM_145290]
FAT2	5	4,59E-03	-3,57	1,02	-3,06	Homo sapiens FAT tumor suppressor homolog 2 (Drosophila) (FAT2), mRNA [NM_001447]
NDRG4	16	4,80E-04	-3,57	1,07	-3,31	Homo sapiens NDRG family member 4 (NDRG4), transcript variant 3, mRNA [NM_022910]
		1,85E-02	-3,57	-2,91	-3,01	lincRNA:chr15:96788096-96828896 reverse strand
DIP2C	10	4,60E-02	-3,56	-1,11	-2,35	Homo sapiens DIP2 disco-interacting protein 2 homolog C (Drosophila) (DIP2C), mRNA [NM_014974]
	4	6,55E-03	-3,55	-1,14	-2,61	lincRNA:chr4:53579005-53580304 reverse strand
GPR1	2	3,24E-02	-3,55	-2,03	-2,62	Homo sapiens G

						protein-coupled receptor 1 (GPR1), transcript variant 1, mRNA [NM_005279]
LOC145694	15	4,20E-03	-3,55	-1,12	-3,33	PREDICTED: Homo sapiens hypothetical LOC145694 (LOC145694), partial miscRNA [XR_109210]
FZD1	7	3,87E-03	-3,54	-1,04	-2,89	Homo sapiens frizzled family receptor 1 (FZD1), mRNA [NM_003505]
NR2F2	15	4,43E-03	-3,54	-1,16	-3,19	Homo sapiens nuclear receptor subfamily 2, group F, member 2 (NR2F2), transcript variant 1, mRNA [NM_021005]
LOC286367	9	1,00E-03	-3,54	1,02	-2,86	Homo sapiens FP944 (LOC286367), non-coding RNA [NR_024011]
LOC100132057	1	4,77E-02	-3,54	1,30	-2,98	PREDICTED: Homo sapiens hypothetical LOC100505885 (LOC100505885), partial miscRNA [XR_110830]
FAM181B	11	3,60E-05	-3,53	-1,01	-3,32	Homo sapiens family with sequence similarity 181, member B (FAM181B), mRNA [NM_175885]
HIST1H2AL	6	2,01E-02	-3,52	1,05	-2,72	Homo sapiens histone cluster 1, H2al (HIST1H2AL), mRNA [NM_003511]
ZNF503	10	4,38E-03	-3,48	-1,04	-3,07	Homo sapiens zinc finger protein 503 (ZNF503), mRNA [NM_032772]
HNRNPA0	5	1,76E-04	-3,48	-1,02	-2,82	Homo sapiens heterogeneous nuclear ribonucleoprotein A0 (HNRNPA0), mRNA [NM_006805]
AFP	4	1,21E-02	-3,48	1,00	-3,11	Homo sapiens alpha-fetoprotein (AFP), mRNA [NM_001134]
CCDC150	2	1,62E-02	-3,48	1,00	-1,50	Homo sapiens coiled-coil domain containing 150 (CCDC150), mRNA [NM_001080539]
DKK1	10	3,88E-03	-3,48	-1,28	-3,06	Homo sapiens dickkopf homolog 1 (Xenopus laevis) (DKK1), mRNA [NM_012242]
SGOL1	3	6,89E-03	-3,47	-1,13	-2,33	Homo sapiens shugoshin-like 1 (S. pombe) (SGOL1), transcript variant A1, mRNA

						[NM_001012409]
C16orf59	16	2,72E-03	-3,47	1,11	-2,88	Homo sapiens chromosome 16 open reading frame 59 (C16orf59), mRNA [NM_025108]
IL20RA	6	3,67E-03	-3,46	-1,25	-3,34	Homo sapiens interleukin 20 receptor, alpha (IL20RA), mRNA [NM_014432]
KLHL13	X	1,24E-02	-3,45	-1,12	-2,45	Homo sapiens kelch-like 13 (Drosophila) (KLHL13), transcript variant 1, mRNA [NM_033495]
FOXL2	3	3,53E-04	-3,45	-1,08	-3,17	Homo sapiens forkhead box L2 (FOXL2), mRNA [NM_023067]
HIST1H2AI	6	4,91E-03	-3,44	-1,13	-2,35	Homo sapiens histone cluster 1, H2ai (HIST1H2AI), mRNA [NM_003509]
RGAG4	X	3,59E-03	-3,44	-1,18	-3,25	Homo sapiens retrotransposon gag domain containing 4 (RGAG4), mRNA [NM_001024455]
FAM69A	1	1,73E-04	-3,43	-1,18	-3,19	Homo sapiens family with sequence similarity 69, member A (FAM69A), mRNA [NM_001006605]
CDCA5	11	1,28E-02	-3,43	1,02	-2,47	Homo sapiens cell division cycle associated 5 (CDCA5), mRNA [NM_080668]
SKA3	13	1,18E-02	-3,43	-1,16	-2,49	Homo sapiens spindle and kinetochore associated complex subunit 3 (SKA3), transcript variant 1, mRNA [NM_145061]
C7orf41	7	4,81E-05	-3,43	1,02	-2,95	Homo sapiens chromosome 7 open reading frame 41 (C7orf41), mRNA [NM_152793]
AGPAT5	8	1,42E-04	-3,43	1,05	-2,75	Homo sapiens 1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidic acid acyltransferase, epsilon) (AGPAT5), mRNA [NM_018361]
ELOVL6	4	1,55E-03	-3,42	1,26	-2,79	ELOVL family member 6, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast) [Source:HGNC Symbol;Acc:15829] [ENST00000394607]

FLJ42969	8	1,82E-02	-3,41	-1,90	-3,15	Homo sapiens hypothetical LOC441374 (FLJ42969), non-coding RNA [NR_033962]
STON2	14	1,21E-04	-3,41	-1,32	-3,07	Homo sapiens stonin 2 (STON2), mRNA [NM_033104]
INSR	19	4,01E-02	-3,40	-1,16	-2,84	Homo sapiens insulin receptor (INSR), transcript variant 1, mRNA [NM_000208]
SLC1A1	9	2,46E-04	-3,39	1,09	-3,30	Homo sapiens solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1 (SLC1A1), mRNA [NM_004170]
ADORA2B	17	1,32E-03	-3,39	-1,00	-2,74	Homo sapiens adenosine A2b receptor (ADORA2B), mRNA [NM_000676]
GHR	5	1,41E-02	-3,39	1,13	-2,52	Homo sapiens growth hormone receptor (GHR), transcript variant 1, mRNA [NM_000163]
ST8SIA1	12	6,60E-03	-3,38	-1,51	-2,90	Homo sapiens ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 1 (ST8SIA1), mRNA [NM_003034]
KRTAP4-8	17	2,78E-02	-3,38	-2,26	-3,12	Homo sapiens keratin associated protein 4-8 (KRTAP4-8), mRNA [NM_031960]
ORC1	1	1,69E-03	-3,38	1,07	-3,10	Homo sapiens origin recognition complex, subunit 1 (ORC1), transcript variant 1, mRNA [NM_004153]
	15	9,86E-04	-3,38	-1,22	-3,03	lincRNA:chr15:25243173-25246729 forward strand
WHSC1	4	4,85E-04	-3,38	-1,02	-2,85	Homo sapiens Wolf-Hirschhorn syndrome candidate 1 (WHSC1), transcript variant 7, mRNA [NM_133334]
LEF1	4	1,40E-02	-3,37	-1,02	-2,99	Homo sapiens lymphoid enhancer-binding factor 1 (LEF1), transcript variant 1, mRNA [NM_016269]
FLJ41484	13	7,30E-03	-3,37	1,74	-1,90	PREDICTED: Homo sapiens hypothetical LOC650669 (FLJ41484), miscRNA [XR_110591]

	12	1,38E-04	-3,35	1,10	-2,71	HUMPTHL parathyroid-like protein precursor {Homo sapiens} (exp=-1; wgp=0; cg=0), partial (11%) [THC2730443]
RTN4RL1	17	8,66E-05	-3,35	-1,07	-2,63	Homo sapiens reticulon 4 receptor-like 1 (RTN4RL1), mRNA [NM_178568]
HS3ST2	16	3,42E-04	-3,33	-1,06	-2,87	Homo sapiens heparan sulfate (glucosamine) 3-O-sulfotransferase 2 (HS3ST2), mRNA [NM_006043]
C10orf129	10	3,93E-03	-3,33	-1,29	-1,15	Homo sapiens chromosome 10 open reading frame 129 (C10orf129), mRNA [NM_207321]
FLJ37453	1	4,12E-06	-3,33	-1,02	-2,95	Homo sapiens hypothetical LOC729614 (FLJ37453), non-coding RNA [NR_024279]
CDC25A	3	5,92E-04	-3,32	-1,00	-2,74	Homo sapiens cell division cycle 25 homolog A (S. pombe) (CDC25A), transcript variant 1, mRNA [NM_001789]
ASPM	1	2,16E-02	-3,32	-1,10	-2,35	Homo sapiens asp (abnormal spindle) homolog, microcephaly associated (Drosophila) (ASPM), transcript variant 1, mRNA [NM_018136]
FAM43B	1	1,80E-02	-3,32	1,15	-2,38	Homo sapiens family with sequence similarity 43, member B (FAM43B), mRNA [NM_207334]
D4S234E	4	6,07E-05	-3,32	-1,03	-3,16	Homo sapiens DNA segment on chromosome 4 (unique) 234 expressed sequence (D4S234E), transcript variant 1, mRNA [NM_014392]
MAGEH1	X	2,59E-04	-3,32	1,02	-2,81	Homo sapiens melanoma antigen family H, 1 (MAGEH1), mRNA [NM_014061]
HIST1H3H	6	5,13E-03	-3,31	-1,22	-2,49	Homo sapiens histone cluster 1, H3h (HIST1H3H), mRNA [NM_003536]
	4	2,69E-02	-3,30	-1,11	-3,02	lincRNA:chr4:6676128-6678414 forward strand
SEMA5B	3	9,70E-04	-3,30	-1,15	-3,16	Homo sapiens sema domain, seven

						thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5B (SEMA5B), transcript variant 1, mRNA [NM_001031702]
RASSF6	4	3,85E-06	-3,29	-1,06	-2,95	Homo sapiens Ras association (RalGDS/AF-6) domain family member 6 (RASSF6), transcript variant 2, mRNA [NM_201431]
	1	2,18E-03	-3,29	-1,02	-3,00	lincRNA:chr1:150587016-150587428 reverse strand
	9	3,00E-02	-3,29	-1,08	-2,02	Putative protein FAM27E1 [Source:UniProtKB/Swiss-Prot;Acc:Q5T7N7] [ENST00000377525]
OTUD3	1	1,96E-05	-3,28	1,01	-2,26	Homo sapiens OTU domain containing 3 (OTUD3), mRNA [NM_015207]
HOXA3	7	6,33E-03	-3,28	1,05	-2,57	Homo sapiens homeobox A3 (HOXA3), transcript variant 2, mRNA [NM_153631]
MTSS1L	16	8,59E-03	-3,27	-1,04	-3,02	Homo sapiens metastasis suppressor 1-like (MTSS1L), mRNA [NM_138383]
FOXA2	20	1,54E-03	-3,27	-1,16	-3,27	Homo sapiens forkhead box A2 (FOXA2), transcript variant 1, mRNA [NM_021784]
ZNF608	5	1,09E-03	-3,27	-1,12	-3,01	Homo sapiens zinc finger protein 608 (ZNF608), mRNA [NM_020747]
TTK	6	4,08E-02	-3,27	1,02	-2,26	Homo sapiens TTK protein kinase (TTK), transcript variant 1, mRNA [NM_003318]
UNC5B	10	1,84E-03	-3,26	-1,20	-3,03	Homo sapiens unc-5 homolog B (C. elegans) (UNC5B), mRNA [NM_170744]
XLOC_014105	21	2,89E-04	-3,25	-1,16	-2,68	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
RHOBTB1	10	1,11E-04	-3,25	1,09	-2,73	Homo sapiens Rho-related BTB domain containing 1 (RHOBTB1), transcript variant 4,

						mRNA [NM_001242359]
CC2D2A	4	6,10E-04	-3,25	1,05	-2,78	Homo sapiens coiled-coil and C2 domain containing 2A (CC2D2A), transcript variant 1, mRNA [NM_001080522]
ERCC6L	X	2,75E-03	-3,25	-1,03	-2,39	Homo sapiens excision repair cross-complementing rodent repair deficiency, complementation group 6-like (ERCC6L), mRNA [NM_017669]
ODF3L1	15	1,34E-02	-3,25	1,21	-1,75	Homo sapiens outer dense fiber of sperm tails 3-like 1 (ODF3L1), mRNA [NM_175881]
PHACTR3	20	1,57E-04	-3,24	-1,17	-3,03	phosphatase and actin regulator 3 [Source:HGNC Symbol;Acc:15833] [ENST00000492611]
NDC80	18	3,53E-02	-3,24	-1,05	-2,40	Homo sapiens NDC80 homolog, kinetochore complex component (S. cerevisiae) (NDC80), mRNA [NM_006101]
RHOBTB2	8	1,79E-03	-3,24	-1,03	-2,92	Homo sapiens Rho-related BTB domain containing 2 (RHOBTB2), transcript variant 3, mRNA [NM_015178]
LOC100216001	10	2,21E-06	-3,24	-1,08	-2,37	Homo sapiens hypothetical LOC100216001 (LOC100216001), non-coding RNA [NR_024475]
AVPI1	10	9,65E-04	-3,24	-1,07	-3,13	Homo sapiens arginine vasopressin-induced 1 (AVPI1), mRNA [NM_021732]
HIST1H4A	6	1,06E-02	-3,24	-1,55	-2,25	Homo sapiens histone cluster 1, H4a (HIST1H4A), mRNA [NM_003538]
LOC283481	13	7,58E-03	-3,23	-1,03	-2,66	Homo sapiens hypothetical LOC283481 (LOC283481), non-coding RNA [NR_036487]
IRS1	2	8,56E-04	-3,23	-1,02	-2,52	Homo sapiens insulin receptor substrate 1 (IRS1), mRNA [NM_005544]
ZNF30	19	6,28E-03	-3,22	1,09	-2,44	Homo sapiens zinc finger protein 30 (ZNF30), transcript

						variant 3, mRNA [NM_194325]
AJAP1	1	2,39E-03	-3,22	-1,14	-2,45	Homo sapiens adherens junctions associated protein 1 (AJAP1), transcript variant 2, mRNA [NM_001042478]
PAGE2B	X	1,56E-02	-3,22	-1,27	-1,10	Homo sapiens P antigen family, member 2B (PAGE2B), mRNA [NM_001015038]
	1	1,57E-03	-3,22	-1,19	-2,48	full-length cDNA clone CS0DB007YO17 of Neuroblastoma Cot 10-normalized of Homo sapiens (human). [CR621509]
MID1	X	2,02E-04	-3,22	-1,04	-3,16	Homo sapiens midline 1 (Opitz/BBB syndrome) (MID1), transcript variant 1, mRNA [NM_000381]
BRCA1	17	4,47E-03	-3,21	1,01	-2,62	Homo sapiens breast cancer 1, early onset (BRCA1), transcript variant 2, mRNA [NM_007300]
SLC6A15	12	2,47E-02	-3,21	-1,39	-2,29	Homo sapiens solute carrier family 6 (neutral amino acid transporter), member 15 (SLC6A15), transcript variant 1, mRNA [NM_182767]
CENPF	1	2,45E-02	-3,21	-1,13	-2,16	Homo sapiens centromere protein F, 350/400kDa (mitosin) (CENPF), mRNA [NM_016343]
	15	6,19E-04	-3,20	1,01	-3,12	lincRNA:chr15:25244172-25246747 forward strand
	9	1,98E-02	-3,20	1,19	-2,33	Homo sapiens, clone IMAGE:4890344, mRNA. [BC023640]
KBTBD3	11	4,71E-04	-3,20	-1,03	-2,87	Homo sapiens kelch repeat and BTB (POZ) domain containing 3 (KBTBD3), transcript variant 2, mRNA [NM_198439]
SHC3	9	7,24E-04	-3,20	1,12	-2,82	Homo sapiens SHC (Src homology 2 domain containing) transforming protein 3 (SHC3), mRNA [NM_016848]
HELLS	10	1,43E-02	-3,19	-1,03	-2,68	Homo sapiens helicase, lymphoid-specific (HELLS), mRNA [NM_018063]
ANKH	5	3,27E-04	-3,17	-1,00	-2,84	Homo sapiens ankylosis,

						progressive homolog (mouse) (ANKH), mRNA [NM_054027]
	6	7,23E-03	-3,17	-1,25	-2,61	histone cluster 1, H2ai [Source:HGNC Symbol;Acc:4725] [ENST00000358739]
CERK	22	8,97E-06	-3,17	1,05	-2,92	Homo sapiens ceramide kinase (CERK), mRNA [NM_022766]
XLOC_005810	6	2,86E-05	-3,16	1,11	-2,97	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
	3	2,21E-02	-3,16	-2,22	-2,83	lincRNA:chr3:170458139-170459154 forward strand
RRM2	2	4,74E-02	-3,16	1,19	-2,47	Homo sapiens ribonucleotide reductase M2 (RRM2), transcript variant 2, mRNA [NM_001034]
CABYR	18	3,01E-03	-3,16	1,07	-1,34	Homo sapiens calcium binding tyrosine-(Y)-phosphorylation regulated (CABYR), transcript variant 1, mRNA [NM_012189]
PEG10	7	3,25E-04	-3,16	-1,14	-2,84	Homo sapiens paternally expressed 10 (PEG10), transcript variant 1, mRNA [NM_001040152]
DLEU1	13	2,80E-03	-3,16	-1,01	-2,79	Homo sapiens deleted in lymphocytic leukemia 1 (non-protein coding) (DLEU1), non-coding RNA [NR_002605]
LOXL4	10	2,37E-02	-3,15	-1,17	-2,16	Homo sapiens lysyl oxidase-like 4 (LOXL4), mRNA [NM_032211]
	14	1,80E-02	-3,15	-1,07	-2,66	lincRNA:chr14:96507172-96661947 forward strand
TGFB2	1	3,25E-02	-3,15	-1,13	-2,81	Homo sapiens transforming growth factor, beta 2 (TGFB2), transcript variant 2, mRNA [NM_003238]
C20orf96	20	4,48E-02	-3,14	1,02	-1,89	Homo sapiens chromosome 20 open reading frame 96 (C20orf96), transcript variant 1, mRNA [NM_153269]
THNSL1	10	1,71E-03	-3,14	1,03	-2,62	Homo sapiens threonine synthase-like 1 (S. cerevisiae) (THNSL1), mRNA

						[NM_024838]
ESCO2	8	1,85E-02	-3,13	1,16	-2,42	Homo sapiens establishment of cohesion 1 homolog 2 (S. cerevisiae) (ESCO2), mRNA [NM_001017420]
CDC25C	5	4,48E-03	-3,13	1,00	-2,36	Homo sapiens cell division cycle 25 homolog C (S. pombe) (CDC25C), transcript variant 1, mRNA [NM_001790]
BARX2	11	1,13E-03	-3,12	-1,05	-2,41	Homo sapiens BARX homeobox 2 (BARX2), mRNA [NM_003658]
C3orf47	3	7,80E-04	-3,12	1,05	-2,90	Homo sapiens chromosome 3 open reading frame 47 (C3orf47), non-coding RNA [NR_026991]
APOC3	11	1,59E-02	-3,12	-2,36	-1,97	Homo sapiens apolipoprotein C-III (APOC3), mRNA [NM_000040]
B4GALT6	18	4,68E-03	-3,12	-1,25	-1,73	Homo sapiens UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 6 (B4GALT6), mRNA [NM_004775]
LOC642366	5	1,87E-04	-3,11	-1,05	-3,03	PREDICTED: Homo sapiens hypothetical LOC642366 (LOC642366), miscRNA [XR_108597]
BCL11B	14	1,61E-02	-3,11	1,23	-1,72	Homo sapiens B-cell CLL/lymphoma 11B (zinc finger protein) (BCL11B), transcript variant 1, mRNA [NM_138576]
ISPD	7	1,26E-02	-3,11	-1,84	-2,71	Homo sapiens isoprenoid synthase domain containing (ISPD), transcript variant 1, mRNA [NM_001101426]
	21	1,09E-03	-3,10	-1,04	-2,50	lincRNA:chr21:29817053-30047175 reverse strand
DLK2	6	2,62E-03	-3,10	-1,07	-2,56	Homo sapiens delta-like 2 homolog (Drosophila) (DLK2), transcript variant 2, mRNA [NM_206539]
HIST1H2BF	6	1,81E-03	-3,09	-1,17	-2,96	Homo sapiens histone cluster 1, H2bf (HIST1H2BF), mRNA [NM_003522]
	14	5,04E-03	-3,09	-1,01	-2,85	lincRNA:chr14:96548697-96561747 forward strand
FAM13A	4	1,32E-03	-3,09	-1,11	-2,72	Homo sapiens family with sequence

						similarity 13, member A (FAM13A), transcript variant 1, mRNA [NM_014883]
POLE2	14	3,37E-02	-3,08	1,01	-2,49	Homo sapiens polymerase (DNA directed), epsilon 2 (p59 subunit) (POLE2), transcript variant 1, mRNA [NM_002692]
C1orf135	1	6,24E-03	-3,08	1,03	-2,54	Homo sapiens chromosome 1 open reading frame 135 (C1orf135), mRNA [NM_024037]
TLR5	1	2,53E-02	-3,07	1,20	-2,95	Homo sapiens toll-like receptor 5 (TLR5), mRNA [NM_003268]
SATB1	3	7,55E-04	-3,07	1,04	-3,01	Homo sapiens SATB homeobox 1 (SATB1), transcript variant 1, mRNA [NM_002971]
HSPA2	14	1,89E-04	-3,07	1,03	-2,96	Homo sapiens heat shock 70kDa protein 2 (HSPA2), mRNA [NM_021979]
CDK14	7	6,91E-05	-3,07	1,01	-3,03	Homo sapiens cyclin-dependent kinase 14 (CDK14), mRNA [NM_012395]
	5	4,56E-02	-3,07	-1,32	-1,59	lincRNA:chr5:127292876-127379626 reverse strand
RASSF10	11	7,18E-03	-3,06	-1,03	-2,53	Homo sapiens Ras association (RalGDS/AF-6) domain family (N-terminal) member 10 (RASSF10), mRNA [NM_001080521]
BEND3	6	2,58E-04	-3,06	-1,01	-2,40	Homo sapiens BEN domain containing 3 (BEND3), mRNA [NM_001080450]
HIST1H1D	6	1,74E-03	-3,06	-1,08	-2,98	Homo sapiens histone cluster 1, H1d (HIST1H1D), mRNA [NM_005320]
ATAD5	17	1,36E-02	-3,05	-1,14	-2,92	Homo sapiens ATPase family, AAA domain containing 5 (ATAD5), mRNA [NM_024857]
AMIGO2	12	2,38E-04	-3,04	-1,15	-2,74	Homo sapiens adhesion molecule with Ig-like domain 2 (AMIGO2), transcript variant 2, mRNA [NM_181847]
UBN2	7	2,60E-03	-3,04	-1,22	-2,49	Homo sapiens ubinuclein 2 (UBN2), mRNA [NM_173569]
LOC283624	14	1,16E-02	-3,03	-1,00	-2,37	Homo sapiens hypothetical LOC283624 (LOC283624),

						transcript variant 1, non-coding RNA [NR_038970]
SOBP	6	8,44E-04	-3,02	1,01	-2,68	Homo sapiens sine oculis binding protein homolog (Drosophila) (SOBP), mRNA [NM_018013]
	5	6,50E-03	-3,02	-1,19	-3,01	lincRNA:chr5:53843293-53849793 forward strand
CCNF	16	1,96E-02	-3,02	-1,13	-1,91	Homo sapiens cyclin F (CCNF), mRNA [NM_001761]
BCL11A	2	1,91E-04	-3,02	-1,00	-2,63	Homo sapiens B-cell CLL/lymphoma 11A (zinc finger protein) (BCL11A), transcript variant 1, mRNA [NM_022893]
C11orf82	11	1,52E-02	-3,01	-1,02	-2,43	Homo sapiens chromosome 11 open reading frame 82 (C11orf82), mRNA [NM_145018]
DHFRL1	3	4,80E-04	-3,01	-1,17	-2,29	Homo sapiens dihydrofolate reductase-like 1 (DHFRL1), transcript variant 2, mRNA [NM_176815]
LOC93622	4	3,52E-05	-3,00	1,10	-2,67	Homo sapiens hypothetical LOC93622 (LOC93622), non-coding RNA [NR_015433]
IL20	1	2,16E-03	-3,00	1,40	-1,53	Homo sapiens interleukin 20 (IL20), mRNA [NM_018724]
KIFC1	6	1,19E-02	-3,00	-1,07	-2,27	Homo sapiens kinesin family member C1 (KIFC1), mRNA [NM_002263]
ISM1	20	1,86E-03	-3,00	-1,06	-2,00	Homo sapiens isthmin 1 homolog (zebrafish) (ISM1), mRNA [NM_080826]
FAM69A	1	1,36E-04	-2,99	-1,05	-2,87	Homo sapiens family with sequence similarity 69, member A (FAM69A), mRNA [NM_001006605]
	1	1,32E-04	-2,99	1,00	-2,76	lincRNA:chr1:150582126-150591026 reverse strand
	15	2,32E-04	-2,98	1,15	-2,69	lincRNA:chr15:25245358-25247493 forward strand
	19	7,05E-03	-2,97	-1,06	-2,35	lincRNA:chr19:11762275-11767738 forward strand
PHACTR3	20	1,08E-03	-2,97	-1,23	-2,83	Homo sapiens phosphatase and actin regulator 3 (PHACTR3), transcript variant 1, mRNA [NM_080672]
	21	3,74E-04	-2,97	-1,01	-2,59	lincRNA:chr21:44751

						672-44819297 reverse strand
HPDL	1	2,53E-04	-2,95	-1,01	-2,71	Homo sapiens 4-hydroxyphenylpyruvate dioxygenase-like (HPDL), mRNA [NM_032756]
RFC3	13	2,99E-02	-2,95	-1,08	-2,43	Homo sapiens replication factor C (activator 1) 3, 38kDa (RFC3), transcript variant 2, mRNA [NM_181558]
FAM172A	5	2,34E-05	-2,95	1,06	-2,91	Homo sapiens family with sequence similarity 172, member A (FAM172A), transcript variant 1, mRNA [NM_032042]
	9	5,85E-03	-2,95	-1,11	-1,76	lincRNA:chr9:277870 0-2791525 reverse strand
NFE2	12	1,04E-03	-2,94	2,22	-1,44	Homo sapiens nuclear factor (erythroid-derived 2), 45kDa (NFE2), transcript variant 1, mRNA [NM_006163]
C6orf154	6	2,00E-02	-2,94	-1,01	-2,51	Homo sapiens chromosome 6 open reading frame 154 (C6orf154), mRNA [NM_001012974]
LOC285696	5	5,92E-03	-2,94	-1,45	-1,78	Homo sapiens cDNA FLJ43202 fis, clone FEBRA2008360. [AK125192]
MN1	22	1,67E-03	-2,93	1,10	-2,67	Homo sapiens meningioma (disrupted in balanced translocation) 1 (MN1), mRNA [NM_002430]
NFATC4	14	1,54E-03	-2,93	-1,01	-2,65	Homo sapiens nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4 (NFATC4), transcript variant 1, mRNA [NM_001136022]
BEX1	X	2,25E-03	-2,93	-1,28	-2,31	Homo sapiens brain expressed, X-linked 1 (BEX1), mRNA [NM_018476]
PHLDB1	11	3,48E-04	-2,93	-1,11	-2,68	Homo sapiens pleckstrin homology-like domain, family B, member 1 (PHLDB1), transcript variant 1, mRNA [NM_015157]
C5AR1	19	3,68E-03	-2,92	1,23	-2,82	Homo sapiens complement component 5a receptor 1 (C5AR1),

						mRNA [NM_001736]
PADI3	1	1,85E-02	-2,92	-1,10	-2,52	Homo sapiens peptidyl arginine deiminase, type III (PADI3), mRNA [NM_016233]
C14orf128	14	1,60E-03	-2,92	1,04	-2,88	Homo sapiens chromosome 14 open reading frame 128 (C14orf128), non-coding RNA [NR_027263]
SPC25	2	2,42E-02	-2,91	1,02	-2,35	Homo sapiens SPC25, NDC80 kinetochore complex component, homolog (S. cerevisiae) (SPC25), mRNA [NM_020675]
ENAH	1	1,04E-03	-2,91	1,08	-2,10	Homo sapiens enabled homolog (Drosophila) (ENAH), transcript variant 1, mRNA [NM_001008493]
TMC3	15	4,53E-02	-2,90	-1,71	-1,45	Homo sapiens transmembrane channel-like 3 (TMC3), mRNA [NM_001080532]
C3orf72	3	1,51E-04	-2,90	1,10	-2,15	Homo sapiens chromosome 3 open reading frame 72 (C3orf72), mRNA [NM_001040061]
KIF14	1	1,90E-02	-2,90	-1,05	-2,14	Homo sapiens kinesin family member 14 (KIF14), mRNA [NM_014875]
ZNF519	18	1,61E-03	-2,90	1,00	-2,20	Homo sapiens zinc finger protein 519 (ZNF519), transcript variant 1, mRNA [NM_145287]
C5orf34	5	8,18E-03	-2,90	-1,13	-2,75	Homo sapiens chromosome 5 open reading frame 34 (C5orf34), mRNA [NM_198566]
	15	1,92E-04	-2,90	-1,16	-2,28	lincRNA:chr15:25226682-25236382 forward strand
MSH6	2	2,67E-03	-2,90	1,03	-2,49	Homo sapiens mutS homolog 6 (E. coli) (MSH6), mRNA [NM_000179]
CASC5	15	5,14E-03	-2,88	-1,13	-2,18	Homo sapiens cancer susceptibility candidate 5 (CASC5), transcript variant 1, mRNA [NM_170589]
FRAT1	10	2,15E-03	-2,88	1,17	-1,86	Homo sapiens frequently rearranged in advanced T-cell lymphomas (FRAT1), mRNA [NM_005479]
EPOR	19	8,78E-05	-2,88	-1,06	-2,54	Homo sapiens

						erythropoietin receptor (EPOR), transcript variant 1, mRNA [NM_000121]
PHF17	4	4,22E-04	-2,88	-1,01	-2,38	Homo sapiens PHD finger protein 17 (PHF17), transcript variant L, mRNA [NM_199320]
	12	5,27E-03	-2,87	1,09	-2,30	zinc finger protein 891 [Source:HGNC Symbol;Acc:38709] [ENST00000537226]
NEK10	3	4,54E-03	-2,87	-1,38	-2,35	NIMA (never in mitosis gene a)-related kinase 10 [Source:HGNC Symbol;Acc:18592] [ENST00000383770]
	4	9,43E-06	-2,86	1,12	-2,63	lincRNA:chr4:6675180-6677772 forward strand
LOC729860	11	5,26E-04	-2,86	1,11	-2,36	Homo sapiens cDNA FLJ41667 fis, clone FEBRA2028366. [AK123661]
ZMAT3	3	1,94E-03	-2,86	1,09	-2,67	Homo sapiens zinc finger, matrin-type 3 (ZMAT3), transcript variant 1, mRNA [NM_022470]
PHF17	4	9,14E-04	-2,86	-1,06	-2,47	Homo sapiens PHD finger protein 17 (PHF17), transcript variant S, mRNA [NM_024900]
MKI67	10	7,19E-03	-2,85	-1,08	-1,80	Homo sapiens antigen identified by monoclonal antibody Ki-67 (MKI67), transcript variant 1, mRNA [NM_002417]
USP13	3	9,32E-05	-2,84	-1,23	-2,52	Homo sapiens ubiquitin specific peptidase 13 (isopeptidase T-3) (USP13), mRNA [NM_003940]
KIF2C	1	4,16E-02	-2,84	-1,01	-2,07	Homo sapiens kinesin family member 2C (KIF2C), mRNA [NM_006845]
XLOC_008703	10	4,54E-05	-2,83	1,06	-2,16	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
RNF125	18	3,64E-03	-2,83	-1,04	-2,15	Homo sapiens ring finger protein 125 (RNF125), mRNA [NM_017831]
HIST1H4L	6	7,67E-04	-2,83	-1,17	-2,47	Homo sapiens histone cluster 1, H4l (HIST1H4L), mRNA [NM_003546]
ARRDC3	5	6,49E-04	-2,83	-1,13	-2,32	Homo sapiens arrestin domain containing 3 (ARRDC3), mRNA

						[NM_020801]
FAM27A	9	8,17E-04	-2,83	-1,07	-2,46	Homo sapiens family with sequence similarity 27, member A (FAM27A), non-coding RNA [NR_024060]
TIGD2	4	9,55E-05	-2,83	-1,06	-2,48	Homo sapiens tigger transposable element derived 2 (TIGD2), mRNA [NM_145715]
C9orf125	9	1,80E-03	-2,82	-1,06	-2,17	Homo sapiens chromosome 9 open reading frame 125 (C9orf125), mRNA [NM_032342]
C15orf56	15	4,34E-02	-2,82	-1,41	-2,72	Homo sapiens chromosome 15 open reading frame 56 (C15orf56), mRNA [NM_001039905]
GREB1L	18	4,73E-02	-2,82	-1,06	-2,73	Homo sapiens growth regulation by estrogen in breast cancer-like (GREB1L), mRNA [NM_001142966]
	21	7,94E-04	-2,82	1,05	-2,48	lincRNA:chr21:44751672-44819297 reverse strand
B3GNT1	11	1,42E-02	-2,82	-1,01	-2,33	Homo sapiens UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1 (B3GNT1), mRNA [NM_006876]
APC2	19	2,04E-02	-2,82	1,17	-2,07	Homo sapiens adenomatosis polyposis coli 2 (APC2), mRNA [NM_005883]
CAMKK1	17	7,91E-03	-2,81	-1,10	-1,98	Homo sapiens calcium/calmodulin-dependent protein kinase kinase 1, alpha (CAMKK1), transcript variant 3, mRNA [NM_172207]
GINS2	16	2,20E-02	-2,81	1,05	-2,43	Homo sapiens GINS complex subunit 2 (Psf2 homolog) (GINS2), mRNA [NM_016095]
NCAPG	4	1,90E-02	-2,81	-1,26	-2,39	Homo sapiens non-SMC condensin I complex, subunit G (NCAPG), mRNA [NM_022346]
SKA1	18	3,26E-02	-2,80	-1,06	-2,17	Homo sapiens spindle and kinetochore associated complex subunit 1 (SKA1), transcript variant 1, mRNA [NM_001039535]

LOC645158	18	2,84E-02	-2,80	-1,04	-1,37	Homo sapiens chromobox homolog 3 pseudogene (LOC645158), non-coding RNA [NR_033754]
FLJ37453	1	2,12E-05	-2,80	1,03	-2,58	Homo sapiens hypothetical LOC729614 (FLJ37453), non-coding RNA [NR_024279]
FOXE1	9	2,51E-02	-2,79	-1,24	-2,67	Homo sapiens forkhead box E1 (thyroid transcription factor 2) (FOXE1), mRNA [NM_004473]
RAD51	15	9,75E-03	-2,79	1,04	-2,24	Homo sapiens RAD51 homolog (S. cerevisiae) (RAD51), transcript variant 1, mRNA [NM_002875]
FBXO5	6	1,72E-02	-2,79	-1,01	-2,35	Homo sapiens F-box protein 5 (FBXO5), transcript variant 2, mRNA [NM_001142522]
PHLDB1	11	1,85E-04	-2,79	-1,10	-2,53	Homo sapiens pleckstrin homology-like domain, family B, member 1 (PHLDB1), transcript variant 1, mRNA [NM_015157]
HELLS	10	1,77E-03	-2,79	-1,11	-2,32	Homo sapiens helicase, lymphoid-specific (HELLS), mRNA [NM_018063]
PAR-SN	15	8,70E-06	-2,78	-1,10	-2,78	Homo sapiens paternally expressed transcript PAR-SN (PAR-SN), non-coding RNA [NR_022011]
SPOCK3	4	2,12E-04	-2,78	-1,04	-2,29	Homo sapiens sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3 (SPOCK3), transcript variant 3, mRNA [NM_001204352]
	14	1,81E-03	-2,77	-1,12	-2,67	lincRNA:chr14:96555696-96556712 forward strand
GPX8	5	2,50E-03	-2,77	-1,14	-2,55	Homo sapiens glutathione peroxidase 8 (putative) (GPX8), mRNA [NM_001008397]
ZNF775	7	6,70E-05	-2,77	-1,12	-2,19	Homo sapiens zinc finger protein 775 (ZNF775), mRNA [NM_173680]
PCDHAC2	5	4,93E-02	-2,76	-1,37	-2,51	Homo sapiens protocadherin alpha

						subfamily C, 2 (PCDHAC2), transcript variant 2, mRNA [NM_031883]
HMGB3	X	1,50E-05	-2,76	1,29	-2,33	Homo sapiens high mobility group box 3 (HMGB3), mRNA [NM_005342]
FANCA	16	1,47E-02	-2,76	1,00	-1,94	Homo sapiens Fanconi anemia, complementation group A (FANCA), transcript variant 2, mRNA [NM_001018112]
FAT3	11	3,68E-02	-2,76	-2,56	-2,73	Homo sapiens FAT tumor suppressor homolog 3 (Drosophila) (FAT3), mRNA [NM_001008781]
SHPRH	6	4,44E-03	-2,76	-1,39	-1,91	Homo sapiens SNF2 histone linker PHD RING helicase (SHPRH), transcript variant 2, mRNA [NM_173082]
LOC729683	17	1,11E-02	-2,75	-1,16	-1,75	full-length cDNA clone CS0DL006YD08 of B cells (Ramos cell line) Cot 25-normalized of Homo sapiens (human). [CR594811]
LEP	7	9,46E-03	-2,75	1,70	-1,78	Homo sapiens leptin (LEP), mRNA [NM_000230]
HIST1H4A	6	4,57E-04	-2,75	-1,19	-2,38	Homo sapiens histone cluster 1, H4a (HIST1H4A), mRNA [NM_003538]
TRAIP	3	1,20E-02	-2,75	-1,24	-1,93	Homo sapiens TRAF interacting protein (TRAIP), mRNA [NM_005879]
SNHG7	9	9,63E-05	-2,75	-1,13	-2,58	Homo sapiens small nucleolar RNA host gene 7 (non-protein coding) (SNHG7), transcript variant 2, non-coding RNA [NR_024542]
PDGFA	7	9,77E-04	-2,75	-1,05	-2,43	Homo sapiens platelet-derived growth factor alpha polypeptide (PDGFA), transcript variant 2, mRNA [NM_033023]
RAD54B	8	2,50E-02	-2,74	1,07	-2,42	Homo sapiens RAD54 homolog B (S. cerevisiae) (RAD54B), transcript variant 1, mRNA [NM_012415]
	9	4,31E-02	-2,74	-3,70	-1,64	lincRNA:chr9:118701880-118718967 forward strand

CNTN3	3	4,26E-03	-2,74	2,06	-2,02	Homo sapiens contactin 3 (plasmacytoma associated) (CNTN3), mRNA [NM_020872]
WNT5B	12	1,10E-03	-2,74	-1,12	-2,50	Homo sapiens wingless-type MMTV integration site family, member 5B (WNT5B), transcript variant 2, mRNA [NM_030775]
UBE2T	1	1,02E-02	-2,74	1,06	-2,15	Homo sapiens ubiquitin-conjugating enzyme E2T (putative) (UBE2T), mRNA [NM_014176]
NFIB	9	2,84E-05	-2,74	-1,09	-2,29	Homo sapiens nuclear factor I/B (NFIB), transcript variant 3, mRNA [NM_005596]
LOC645586	9	1,40E-04	-2,74	-1,01	-2,15	Homo sapiens cDNA FLJ25208 fis, clone REC05984. [AK057937]
LGR4	11	2,66E-03	-2,73	1,08	-2,32	Homo sapiens leucine-rich repeat containing G protein-coupled receptor 4 (LGR4), mRNA [NM_018490]
SCN4B	11	6,28E-03	-2,73	1,06	-2,50	Homo sapiens sodium channel, voltage-gated, type IV, beta (SCN4B), transcript variant 1, mRNA [NM_174934]
HIST1H4D	6	1,09E-03	-2,73	-1,10	-2,40	Homo sapiens histone cluster 1, H4d (HIST1H4D), mRNA [NM_003539]
BLM	15	1,48E-02	-2,73	1,07	-2,10	Homo sapiens Bloom syndrome, RecQ helicase-like (BLM), mRNA [NM_000057]
	1	7,53E-05	-2,73	-1,13	-2,20	lincRNA:chr1:26210671-26219098 reverse strand
C18orf18	18	2,73E-04	-2,73	1,16	-2,21	Homo sapiens chromosome 18 open reading frame 18 (C18orf18), non-coding RNA [NR_026849]
SYDE2	1	1,68E-05	-2,73	-1,07	-2,48	synapse defective 1, Rho GTPase, homolog 2 (C. elegans) [Source:HGNC Symbol;Acc:25841] [ENST00000234668]
OIP5	15	4,65E-02	-2,73	-1,03	-2,32	Homo sapiens Opa interacting protein 5 (OIP5), mRNA [NM_007280]
	19	1,11E-04	-2,73	-1,03	-2,11	lincRNA:chr19:28293532-28294380

						forward strand
KIF15	3	2,80E-02	-2,72	-1,06	-2,23	Homo sapiens kinesin family member 15 (KIF15), mRNA [NM_020242]
GLCCI1	7	2,64E-03	-2,72	-1,18	-2,69	Homo sapiens glucocorticoid induced transcript 1 (GLCCI1), mRNA [NM_138426]
UBASH3B	11	4,15E-05	-2,72	1,07	-1,99	Homo sapiens ubiquitin associated and SH3 domain containing B (UBASH3B), mRNA [NM_032873]
PDGFC	4	1,79E-03	-2,72	1,00	-2,44	Homo sapiens platelet derived growth factor C (PDGFC), transcript variant 1, mRNA [NM_016205]
HIST1H3F	6	1,87E-03	-2,72	-1,15	-2,30	Homo sapiens histone cluster 1, H3f (HIST1H3F), mRNA [NM_021018]
CENPM	22	1,00E-02	-2,72	-1,02	-2,23	Homo sapiens centromere protein M (CENPM), transcript variant 2, mRNA [NM_001002876]
SAC3D1	11	5,18E-04	-2,71	1,08	-2,56	Homo sapiens SAC3 domain containing 1 (SAC3D1), mRNA [NM_013299]
MAP1B	5	7,51E-03	-2,71	-1,27	-1,82	Homo sapiens microtubule-associated protein 1B (MAP1B), mRNA [NM_005909]
XLOC_012197	17	1,15E-03	-2,71	1,12	-2,52	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
FRAT2	10	2,46E-04	-2,71	1,02	-2,49	Homo sapiens frequently rearranged in advanced T-cell lymphomas 2 (FRAT2), mRNA [NM_012083]
SPC24	19	2,70E-02	-2,71	1,05	-1,89	Homo sapiens cDNA FLJ90806 fis, clone Y79AA1000750. [AK075287]
XLOC_012197	17	2,74E-03	-2,71	1,33	-2,67	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
	5	2,74E-02	-2,71	-1,96	-2,68	lincRNA:chr5:88390860-88394207 forward strand
FLJ45482	7_gl000195_random	1,15E-02	-2,71	-1,22	-2,42	Homo sapiens cDNA FLJ45482 fis, clone BRTHA2001953. [AK127393]

NT5DC2	3	8,03E-06	-2,70	1,04	-2,41	Homo sapiens 5'-nucleotidase domain containing 2 (NT5DC2), transcript variant 2, mRNA [NM_022908]
	9	9,64E-03	-2,70	-1,15	-1,91	lincRNA:chr9:132260617-132265944 forward strand
PCDHGB7	5	3,99E-03	-2,70	1,23	-2,30	Homo sapiens protocadherin gamma subfamily B, 7 (PCDHGB7), transcript variant 2, mRNA [NM_032101]
EFS	14	4,82E-03	-2,70	1,04	-2,68	Homo sapiens embryonal Fyn-associated substrate (EFS), transcript variant 1, mRNA [NM_005864]
ABCB6	2	1,61E-03	-2,70	-1,05	-2,43	Homo sapiens ATP-binding cassette, sub-family B (MDR/TAP), member 6 (ABCB6), nuclear gene encoding mitochondrial protein, mRNA [NM_005689]
DBF4	7	1,95E-03	-2,70	-1,04	-2,13	Homo sapiens DBF4 homolog (S. cerevisiae) (DBF4), mRNA [NM_006716]
ZNF30	19	1,34E-02	-2,69	1,08	-2,30	Homo sapiens zinc finger protein 30 (ZNF30), transcript variant 1, mRNA [NM_001099438]
KIAA0114	4	5,48E-05	-2,69	1,07	-2,61	Homo sapiens KIAA0114 (KIAA0114), non-coding RNA [NR_024031]
PKMYT1	16	2,13E-03	-2,69	1,01	-2,20	Homo sapiens protein kinase, membrane associated tyrosine/threonine 1 (PKMYT1), transcript variant 2, mRNA [NM_182687]
PRORSD1P	2	2,93E-04	-2,68	1,19	-1,83	Homo sapiens prolyl-tRNA synthetase associated domain containing 1, pseudogene (PRORSD1P), non-coding RNA [NR_027258]
SDPR	2	9,60E-03	-2,68	1,05	-2,63	Homo sapiens serum deprivation response (SDPR), mRNA [NM_004657]
ZNF503	10	3,89E-03	-2,67	-1,12	-2,19	Homo sapiens zinc finger protein 503 (ZNF503), mRNA [NM_032772]

BCL11A	2	3,76E-04	-2,67	-1,11	-1,92	Homo sapiens B-cell CLL/lymphoma 11A (zinc finger protein) (BCL11A), transcript variant 3, mRNA [NM_138559]
ZNF704	8	1,12E-02	-2,66	1,20	-2,00	Homo sapiens zinc finger protein 704 (ZNF704), mRNA [NM_001033723]
RNF165	18	8,34E-03	-2,66	1,30	-2,02	Homo sapiens ring finger protein 165 (RNF165), mRNA [NM_152470]
STL	6	1,04E-02	-2,66	-1,41	-1,99	Homo sapiens six-twelve leukemia (STL), non-coding RNA [NR_026876]
SYTL4	X	1,56E-02	-2,66	-1,09	-2,63	Homo sapiens synaptotagmin-like 4 (SYTL4), transcript variant 1, mRNA [NM_080737]
CABLES1	18	1,90E-05	-2,66	-1,02	-2,48	Homo sapiens Cdk5 and Abl enzyme substrate 1 (CABLES1), transcript variant 1, mRNA [NM_138375]
FAM27A	9	8,30E-04	-2,66	1,03	-2,49	Homo sapiens family with sequence similarity 27, member A (FAM27A), non-coding RNA [NR_024060]
MAMLD1	X	6,43E-04	-2,66	-1,05	-2,58	Homo sapiens mastermind-like domain containing 1 (MAMLD1), transcript variant 2, mRNA [NM_005491]
WDHD1	14	6,33E-03	-2,66	1,01	-2,37	Homo sapiens WD repeat and HMG-box DNA binding protein 1 (WDHD1), transcript variant 1, mRNA [NM_007086]
SLC16A8	22	2,53E-02	-2,66	1,12	-2,11	Homo sapiens solute carrier family 16, member 8 (monocarboxylic acid transporter 3) (SLC16A8), mRNA [NM_013356]
	17_gl000205_random	1,09E-03	-2,65	-1,02	-2,56	Homo sapiens cDNA FLJ14761 fis, clone NT2RP3003302. [AK027667]
CSRP2	12	7,62E-04	-2,65	1,09	-2,33	Homo sapiens cysteine and glycine-rich protein 2 (CSRP2), mRNA [NM_001321]
ACTR3B	7	2,77E-04	-2,65	1,07	-2,21	Homo sapiens ARP3 actin-related protein 3 homolog B (yeast) (ACTR3B), transcript variant 1, mRNA [NM_020445]

ORC6	16	5,32E-03	-2,65	1,03	-2,27	Homo sapiens origin recognition complex, subunit 6 (ORC6), transcript variant 1, mRNA [NM_014321]
SNAI2	8	1,76E-02	-2,65	1,03	-1,90	Homo sapiens snail homolog 2 (Drosophila) (SNAI2), mRNA [NM_003068]
CKAP2L	2	3,70E-02	-2,64	1,01	-1,98	Homo sapiens cytoskeleton associated protein 2-like (CKAP2L), mRNA [NM_152515]
CCDC152	5	3,35E-02	-2,64	-1,21	-2,09	Homo sapiens coiled-coil domain containing 152 (CCDC152), mRNA [NM_001134848]
JPH1	8	4,13E-04	-2,64	-1,14	-2,31	Homo sapiens junctophilin 1 (JPH1), mRNA [NM_020647]
XLOC_005127	6	1,23E-02	-2,64	-2,10	-2,62	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
ANKH	5	9,91E-05	-2,63	1,05	-2,29	Homo sapiens ankylosis, progressive homolog (mouse) (ANKH), mRNA [NM_054027]
FRY	13	8,19E-03	-2,63	-1,61	-2,55	Homo sapiens furry homolog (Drosophila) (FRY), mRNA [NM_023037]
	8	2,86E-02	-2,63	-1,11	-2,46	lincRNA:chr8:52777597-52786597 forward strand
CDCA8	1	3,70E-02	-2,63	1,02	-2,01	Homo sapiens cell division cycle associated 8 (CDCA8), mRNA [NM_018101]
HIST1H2AM	6	4,33E-03	-2,62	-1,00	-2,22	Homo sapiens histone cluster 1, H2am (HIST1H2AM), mRNA [NM_003514]
MEIS2	15	3,85E-03	-2,62	1,04	-2,61	Homo sapiens Meis homeobox 2 (MEIS2), transcript variant a, mRNA [NM_170677]
MOSC1	1	2,26E-04	-2,62	1,02	-2,35	Homo sapiens MOCO sulphurase C-terminal domain containing 1 (MOSC1), nuclear gene encoding mitochondrial protein, mRNA [NM_022746]
ADAT2	6	5,06E-04	-2,62	1,07	-2,17	Homo sapiens adenosine deaminase, tRNA-specific 2 (ADAT2), mRNA [NM_182503]
WDR76	15	2,77E-03	-2,62	1,10	-2,44	Homo sapiens WD

						repeat domain 76 (WDR76), transcript variant 1, mRNA [NM_024908]
ARHGAP29	1	4,10E-04	-2,61	-1,31	-1,97	Homo sapiens Rho GTPase activating protein 29 (ARHGAP29), mRNA [NM_004815]
OSGEPL1	2	1,31E-02	-2,61	-1,02	-2,46	Homo sapiens O-sialoglycoprotein endopeptidase-like 1 (OSGEPL1), mRNA [NM_022353]
HIST1H4B	6	6,28E-04	-2,61	-1,12	-2,30	Homo sapiens histone cluster 1, H4b (HIST1H4B), mRNA [NM_003544]
SLC7A11	4	1,47E-02	-2,61	-1,30	-2,18	Homo sapiens solute carrier family 7 (anionic amino acid transporter light chain, xc- system), member 11 (SLC7A11), mRNA [NM_014331]
DENND2A	7	1,90E-02	-2,61	-1,45	-2,24	Homo sapiens DENN/MADD domain containing 2A (DENND2A), mRNA [NM_015689]
C10orf10	10	1,11E-03	-2,60	1,49	-1,81	Homo sapiens chromosome 10 open reading frame 10 (C10orf10), mRNA [NM_007021]
ZNF10	12	5,50E-03	-2,60	1,15	-2,02	Homo sapiens zinc finger protein 10 (ZNF10), mRNA [NM_015394]
	18	4,14E-02	-2,60	-2,47	-2,40	lincRNA:chr18:22513427-22567638 reverse strand
SMARCA2	9	1,40E-04	-2,60	-1,11	-2,26	Homo sapiens SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2 (SMARCA2), transcript variant 2, mRNA [NM_139045]
	8	3,87E-02	-2,60	-1,42	-1,48	lincRNA:chr8:128807043-128820943 forward strand
	6	3,00E-02	-2,59	-1,62	-1,77	lincRNA:chr6:64472442-64498999 reverse strand
	11	2,96E-02	-2,59	-1,47	-1,70	lincRNA:chr11:124923375-124923815 forward strand
C19orf73	19	4,41E-05	-2,59	-1,05	-2,35	Homo sapiens chromosome 19 open reading frame 73 (C19orf73), mRNA [NM_018111]
	4	1,13E-03	-2,59	-1,00	-2,58	lincRNA:chr4:90548934-90641190 forward

						strand
OPHN1	X	1,49E-02	-2,59	-1,28	-2,35	Homo sapiens oligophrenin 1 (OPHN1), mRNA [NM_002547]
DEPDC1	1	1,78E-02	-2,58	-1,08	-1,95	Homo sapiens DEP domain containing 1 (DEPDC1), transcript variant 2, mRNA [NM_017779]
C6orf168	6	5,83E-03	-2,58	1,06	-1,65	Homo sapiens chromosome 6 open reading frame 168 (C6orf168), mRNA [NM_032511]
IRAK1BP1	6	5,16E-03	-2,58	-1,07	-1,98	Homo sapiens interleukin-1 receptor-associated kinase 1 binding protein 1 (IRAK1BP1), mRNA [NM_001010844]
RFC4	3	5,30E-03	-2,58	1,03	-2,11	Homo sapiens replication factor C (activator 1) 4, 37kDa (RFC4), transcript variant 1, mRNA [NM_002916]
LOC400027	12	5,97E-06	-2,57	-1,05	-2,50	Homo sapiens hypothetical LOC400027 (LOC400027), non-coding RNA [NR_028408]
DSEL	18	2,91E-04	-2,57	-1,32	-2,43	Homo sapiens dermatan sulfate epimerase-like (DSEL), mRNA [NM_032160]
	1	3,67E-02	-2,57	-1,27	-1,79	Homo sapiens clone HLS_IMAGE_28177 7 mRNA sequence. [DQ786257]
ESCO2	8	4,14E-02	-2,56	1,00	-1,84	Homo sapiens establishment of cohesion 1 homolog 2 (S. cerevisiae) (ESCO2), mRNA [NM_001017420]
NEURL1B	5	1,37E-03	-2,56	-1,01	-2,24	Homo sapiens neuralized homolog 1B (Drosophila) (NEURL1B), mRNA [NM_001142651]
RECQL4	8	4,03E-03	-2,56	-1,08	-2,18	Homo sapiens RecQ protein-like 4 (RECQL4), mRNA [NM_004260]
XLOC_007249	8	2,57E-03	-2,56	1,01	-2,44	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
	21	1,21E-05	-2,56	-1,03	-2,11	lincRNA:chr21:29818 746-30047176 reverse strand
KCNIP3	2	4,09E-03	-2,56	-1,01	-2,30	Homo sapiens Kv channel interacting protein 3, calsenilin

						(KCNIP3), transcript variant 1, mRNA [NM_013434]
MMS22L	6	2,00E-02	-2,55	-1,03	-2,23	Homo sapiens MMS22-like, DNA repair protein (MMS22L), mRNA [NM_198468]
KRTAP19-1	21	3,19E-04	-2,55	-1,17	-2,36	Homo sapiens keratin associated protein 19-1 (KRTAP19-1), mRNA [NM_181607]
FAM171A1	10	8,71E-05	-2,55	1,06	-2,40	Homo sapiens family with sequence similarity 171, member A1 (FAM171A1), mRNA [NM_001010924]
FANCA	16	8,62E-03	-2,55	1,01	-2,19	Homo sapiens Fanconi anemia, complementation group A (FANCA), transcript variant 1, mRNA [NM_000135]
NLRP7	19	3,08E-02	-2,54	-1,20	-1,91	Homo sapiens NLR family, pyrin domain containing 7 (NLRP7), transcript variant 1, mRNA [NM_139176]
	13	2,31E-02	-2,54	-1,57	-2,13	lincRNA:chr13:41445380-41446357 reverse strand
	5	1,31E-03	-2,54	-1,05	-2,14	PREDICTED: Homo sapiens hCG1981531 (LOC728586), partial miscRNA [XR_110564]
FANCE	6	5,22E-05	-2,54	-1,03	-2,26	Homo sapiens Fanconi anemia, complementation group E (FANCE), mRNA [NM_021922]
MSH2	2	6,68E-03	-2,53	1,02	-2,26	Homo sapiens mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli) (MSH2), mRNA [NM_000251]
CDC45	22	3,05E-02	-2,53	-1,03	-2,18	Homo sapiens cell division cycle 45 homolog (S. cerevisiae) (CDC45), transcript variant 2, mRNA [NM_003504]
PNPLA3	22	9,45E-05	-2,53	-1,00	-2,31	Homo sapiens patatin-like phospholipase domain containing 3 (PNPLA3), mRNA [NM_025225]
KLF12	13	2,93E-03	-2,53	-1,00	-2,04	Homo sapiens Kruppel-like factor 12 (KLF12), mRNA [NM_007249]
KIF23	15	3,34E-02	-2,53	-1,08	-2,04	Homo sapiens kinesin family

						member 23 (KIF23), transcript variant 1, mRNA [NM_138555]
	8	4,76E-02	-2,53	-3,48	-1,58	lincRNA:chr8:124472369-124499694 forward strand
C19orf48	19	4,97E-04	-2,52	-1,01	-2,13	Homo sapiens chromosome 19 open reading frame 48 (C19orf48), mRNA [NM_199249]
BUB1B	15	3,59E-02	-2,52	-1,06	-1,91	Homo sapiens budding uninhibited by benzimidazoles 1 homolog beta (yeast) (BUB1B), mRNA [NM_001211]
NCRNA00292	1	1,93E-03	-2,52	1,20	-2,43	Homo sapiens non-protein coding RNA 292 (NCRNA00292), transcript variant 2, non-coding RNA [NR_027286]
	6	1,49E-02	-2,52	1,15	-2,18	Q2M2B7_HUMAN (Q2M2B7) Sestrin 1, partial (68%) [THC2527965]
ABCA12	2	2,70E-03	-2,52	-1,19	-2,51	Homo sapiens ATP-binding cassette, sub-family A (ABC1), member 12 (ABCA12), transcript variant 1, mRNA [NM_173076]
FAM87B	1	6,91E-04	-2,52	1,13	-2,15	PREDICTED: Homo sapiens family with sequence similarity 87, member B (FAM87B), miscRNA [XR_112085]
SLC16A5	17	1,84E-03	-2,52	-1,11	-2,43	Homo sapiens solute carrier family 16, member 5 (monocarboxylic acid transporter 6) (SLC16A5), mRNA [NM_004695]
	8	5,65E-04	-2,52	-1,11	-2,00	lincRNA:chr8:107282463-107284434 forward strand
KLHL3	5	9,73E-03	-2,52	1,18	-2,08	Homo sapiens kelch-like 3 (Drosophila) (KLHL3), mRNA [NM_017415]
MCM5	22	9,47E-03	-2,51	1,05	-2,40	Homo sapiens minichromosome maintenance complex component 5 (MCM5), mRNA [NM_006739]
CENPI	X	3,67E-02	-2,51	-1,10	-2,03	Homo sapiens centromere protein I (CENPI), mRNA [NM_006733]
CNTRL	9	2,29E-02	-2,51	-1,10	-1,60	centrosomal protein 110kDa [Source:HGNC Symbol;Acc:1858] [ENST00000373851]

	9	1,94E-03	-2,51	-1,06	-1,71	Homo sapiens cDNA FLJ41803 fis, clone NHNPC2002749. [AK123797]
	10	1,11E-03	-2,51	-1,02	-2,27	lincRNA:chr10:118574085-118608460 reverse strand
VSIG10	12	8,03E-05	-2,50	-1,15	-2,40	Homo sapiens V-set and immunoglobulin domain containing 10 (VSIG10), mRNA [NM_019086]
PRICKLE2	3	4,02E-02	-2,50	1,05	-2,30	Homo sapiens prickle homolog 2 (Drosophila) (PRICKLE2), mRNA [NM_198859]
C16orf53	16	9,54E-05	-2,50	1,01	-2,06	Homo sapiens chromosome 16 open reading frame 53 (C16orf53), mRNA [NM_024516]
	11	4,22E-02	-2,50	-1,78	-2,12	lincRNA:chr11:133766329-133767054 reverse strand
ZCWPW2	3	5,65E-03	-2,50	1,04	-2,03	Homo sapiens zinc finger, CW type with PWWP domain 2 (ZCWPW2), mRNA [NM_001040432]
HMGB3	X	1,54E-05	-2,50	1,19	-2,09	Homo sapiens high mobility group box 3 (HMGB3), mRNA [NM_005342]
EIF4E1B	5	1,32E-02	-2,50	-1,82	-2,16	Homo sapiens eukaryotic translation initiation factor 4E family member 1B (EIF4E1B), mRNA [NM_001099408]
XLOC_011183	15	2,53E-03	-2,50	1,05	-2,11	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
SLCO3A1	15	7,19E-04	-2,50	1,02	-2,23	Homo sapiens solute carrier organic anion transporter family, member 3A1 (SLCO3A1), transcript variant 1, mRNA [NM_013272]
MCM4	8	1,64E-02	-2,50	1,08	-2,29	Homo sapiens minichromosome maintenance complex component 4 (MCM4), transcript variant 1, mRNA [NM_005914]
XLOC_009313	11	2,92E-02	-2,49	-1,05	-2,08	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
TMTC4	13	2,23E-03	-2,49	1,03	-1,93	Homo sapiens transmembrane and tetratricopeptide repeat containing 4 (TMTC4), transcript

						variant 1, mRNA [NM_032813]
PPARGC1B	5	2,32E-02	-2,49	-1,05	-2,38	Homo sapiens peroxisome proliferator-activated receptor gamma, coactivator 1 beta (PPARGC1B), transcript variant 1, mRNA [NM_133263]
EFNA5	5	1,45E-02	-2,49	-1,37	-1,78	Homo sapiens ephrin-A5 (EFNA5), mRNA [NM_001962]
ZNF774	15	5,31E-03	-2,49	-1,32	-1,52	Homo sapiens zinc finger protein 774 (ZNF774), mRNA [NM_001004309]
ST3GAL2	16	2,92E-04	-2,49	1,02	-1,79	Homo sapiens ST3 beta-galactoside alpha-2,3-sialyltransferase 2 (ST3GAL2), mRNA [NM_006927]
SLITRK6	13	3,72E-03	-2,49	-1,22	-2,23	Homo sapiens SLIT and NTRK-like family, member 6 (SLITRK6), mRNA [NM_032229]
TSPAN2	1	4,15E-02	-2,49	1,01	-1,86	Homo sapiens tetraspanin 2 (TSPAN2), mRNA [NM_005725]
LOC100130433	9	1,76E-03	-2,49	-1,05	-1,88	Homo sapiens cDNA FLJ38936 fis, clone NT2NE2015275. [AK096255]
BRCA2	13	1,59E-02	-2,48	-1,20	-2,03	Homo sapiens breast cancer 2, early onset (BRCA2), mRNA [NM_000059]
IGSF9	1	2,32E-04	-2,48	-1,07	-2,20	Homo sapiens immunoglobulin superfamily, member 9 (IGSF9), transcript variant 2, mRNA [NM_020789]
LOC100289650	19	9,29E-03	-2,48	-1,14	-2,16	Homo sapiens hypothetical LOC100289650 (LOC100289650), non-coding RNA [NR_036584]
SLC25A27	6	3,95E-02	-2,47	-1,17	-2,47	Homo sapiens solute carrier family 25, member 27 (SLC25A27), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_004277]
MSH2	2	1,01E-02	-2,47	-1,01	-2,09	Homo sapiens mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli) (MSH2), mRNA [NM_000251]
STON1-GTF2A1L	2	2,69E-02	-2,47	1,26	-2,37	Homo sapiens STON1-GTF2A1L

						readthrough (STON1-GTF2A1L), transcript variant 1, mRNA [NM_172311]
NFIB	9	8,62E-05	-2,47	-1,19	-2,03	Homo sapiens nuclear factor I/B (NFIB), transcript variant 3, mRNA [NM_005596]
DYDC2	10	4,88E-02	-2,47	1,02	-2,31	Homo sapiens DPY30 domain containing 2 (DYDC2), mRNA [NM_032372]
WRB	21	1,81E-04	-2,46	1,13	-2,21	Homo sapiens tryptophan rich basic protein (WRB), transcript variant 1, mRNA [NM_004627]
	6	2,95E-03	-2,46	1,10	-2,23	histone cluster 1, H4c [Source:HGNC Symbol;Acc:4787] [ENST00000377803]
LOC219347	10	4,19E-02	-2,46	-1,17	-1,21	Homo sapiens hypothetical LOC219347 (LOC219347), transcript variant 1, non-coding RNA [NR_027428]
MCOLN3	1	1,64E-03	-2,46	-1,11	-2,32	mucolipin 3 [Source:HGNC Symbol;Acc:13358] [ENST00000370587]
	2	1,79E-03	-2,46	-1,10	-1,76	lincRNA:chr2:168402979-168414804 forward strand
SAMD1	19	7,65E-04	-2,46	1,01	-2,32	Homo sapiens sterile alpha motif domain containing 1 (SAMD1), mRNA [NM_138352]
PDGFA	7	3,32E-03	-2,46	-1,05	-2,18	Homo sapiens platelet-derived growth factor alpha polypeptide (PDGFA), transcript variant 1, mRNA [NM_002607]
PLA2G12A	4	1,97E-03	-2,46	1,04	-2,43	Homo sapiens phospholipase A2, group XIIA (PLA2G12A), mRNA [NM_030821]
SLC26A2	5	7,77E-04	-2,46	1,02	-2,03	Homo sapiens solute carrier family 26 (sulfate transporter), member 2 (SLC26A2), mRNA [NM_000112]
BCL11B	14	2,25E-03	-2,46	1,08	-2,20	Homo sapiens B-cell CLL/lymphoma 11B (zinc finger protein) (BCL11B), transcript variant 1, mRNA [NM_138576]
SERPINE1	7	1,03E-03	-2,46	1,01	-2,33	Homo sapiens serpin peptidase inhibitor, clade E (nexin,

						plasminogen activator inhibitor type 1), member 1 (SERPINE1), transcript variant 1, mRNA [NM_000602]
	11	4,99E-03	-2,46	-1,11	-1,76	lincRNA:chr11:17364949-17372674 forward strand
FZD3	8	2,60E-03	-2,46	1,08	-2,07	Homo sapiens frizzled family receptor 3 (FZD3), transcript variant 1, mRNA [NM_017412]
LOC157562	8	4,06E-03	-2,45	-1,16	-2,16	Homo sapiens mRNA; cDNA DKFZp686N0244 (from clone DKFZp686N0244). [BX649145]
NFIA	1	1,94E-03	-2,45	-1,01	-2,06	Homo sapiens nuclear factor I/A (NFIA), transcript variant 2, mRNA [NM_005595]
CNTRL	9	2,88E-02	-2,45	-1,11	-1,79	Homo sapiens centriolin (CNTRL), mRNA [NM_007018]
RFC3	13	8,24E-03	-2,45	-1,04	-2,21	Homo sapiens replication factor C (activator 1) 3, 38kDa (RFC3), transcript variant 1, mRNA [NM_002915]
BCL2L10	15	1,19E-03	-2,45	1,05	-2,14	Homo sapiens BCL2-like 10 (apoptosis facilitator) (BCL2L10), mRNA [NM_020396]
LOC100270746	6	2,97E-03	-2,45	1,02	-2,23	Homo sapiens hypothetical LOC100270746 (LOC100270746), non-coding RNA [NR_026776]
PPP2R2B	5	1,54E-03	-2,45	-1,08	-2,15	Homo sapiens protein phosphatase 2, regulatory subunit B, beta (PPP2R2B), transcript variant 1, mRNA [NM_004576]
DHDH	19	1,05E-02	-2,45	-1,04	-2,28	Homo sapiens dihydrodiol dehydrogenase (dimeric) (DHDH), mRNA [NM_014475]
	7	6,53E-03	-2,44	-1,16	-2,25	lincRNA:chr7:79088255-79100366 forward strand
NADKD1	5	1,74E-03	-2,44	-1,24	-2,32	Homo sapiens NAD kinase domain containing 1 (NADKD1), transcript variant 1, mRNA [NM_001085411]
SOCS2	12	1,02E-05	-2,44	1,05	-2,29	Homo sapiens suppressor of cytokine signaling 2 (SOCS2), mRNA

						[NM_003877]
MITF	3	1,17E-03	-2,44	-1,07	-2,42	Homo sapiens microphthalmia-associated transcription factor (MITF), transcript variant 1, mRNA [NM_198159]
ZNF331	19	2,66E-03	-2,44	1,03	-2,32	Homo sapiens zinc finger protein 331 (ZNF331), transcript variant 1, mRNA [NM_018555]
CHML	1	5,34E-05	-2,44	1,02	-2,01	Homo sapiens choroideremia-like (Rab escort protein 2) (CHML), mRNA [NM_001821]
	3	4,71E-05	-2,44	-1,12	-2,22	lincRNA:chr3:112308735-112318605 reverse strand
C3orf18	3	8,56E-04	-2,43	-1,04	-2,36	Homo sapiens chromosome 3 open reading frame 18 (C3orf18), transcript variant 1, mRNA [NM_016210]
LOC729680	13	1,14E-03	-2,43	1,03	-1,83	full-length cDNA clone CS0DI028YF10 of Placenta Cot 25-normalized of Homo sapiens (human). [CR596712]
SLC9A2	2	8,24E-03	-2,43	-1,23	-1,71	Homo sapiens solute carrier family 9 (sodium/hydrogen exchanger), member 2 (SLC9A2), mRNA [NM_003048]
	3	2,22E-03	-2,43	1,04	-2,12	lincRNA:chr3:171506370-171528740 reverse strand
ADCK3	1	9,03E-03	-2,43	1,06	-2,25	Homo sapiens aarF domain containing kinase 3 (ADCK3), nuclear gene encoding mitochondrial protein, mRNA [NM_020247]
RADIL	7	2,57E-03	-2,43	-1,00	-2,30	Homo sapiens Ras association and DIL domains (RADIL), mRNA [NM_018059]
ANKRD32	5	3,88E-03	-2,42	1,00	-2,10	Homo sapiens ankyrin repeat domain 32 (ANKRD32), mRNA [NM_032290]
CHST10	2	1,44E-02	-2,42	-1,16	-2,04	Homo sapiens carbohydrate sulfotransferase 10 (CHST10), mRNA [NM_004854]
MLF1IP	4	2,28E-02	-2,42	1,01	-2,17	Homo sapiens MLF1 interacting protein (MLF1IP), mRNA [NM_024629]

CAMK2N1	1	6,41E-04	-2,42	-1,11	-2,27	Homo sapiens calcium/calmodulin-dependent protein kinase II inhibitor 1 (CAMK2N1), mRNA [NM_018584]
SUV420H2	19	5,97E-05	-2,42	-1,11	-2,21	Homo sapiens suppressor of variegation 4-20 homolog 2 (Drosophila) (SUV420H2), mRNA [NM_032701]
MLLT11	1	2,32E-04	-2,42	1,09	-2,22	Homo sapiens myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 11 (MLLT11), mRNA [NM_006818]
DDX11	12	4,78E-03	-2,42	-1,16	-1,92	Homo sapiens DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 11 (DDX11), transcript variant 3, mRNA [NM_152438]
	X	2,44E-02	-2,41	1,03	-2,19	lincRNA:chrX:45897556-45923781 reverse strand
SPATA13	13	4,57E-03	-2,41	-1,27	-2,10	Homo sapiens spermatogenesis associated 13 (SPATA13), transcript variant 1, mRNA [NM_001166271]
MEGF9	9	1,22E-03	-2,41	1,12	-2,30	Homo sapiens multiple EGF-like-domains 9 (MEGF9), mRNA [NM_001080497]
ANKRD16	10	7,30E-04	-2,41	-1,02	-1,89	Homo sapiens ankyrin repeat domain 16 (ANKRD16), transcript variant 2, mRNA [NM_001009941]
CHAF1B	21	6,24E-03	-2,41	1,01	-2,14	Homo sapiens chromatin assembly factor 1, subunit B (p60) (CHAF1B), mRNA [NM_005441]
ZNF554	19	4,09E-02	-2,41	-1,03	-1,52	Homo sapiens zinc finger protein 554 (ZNF554), mRNA [NM_001102651]
KITLG	12	4,54E-02	-2,40	1,29	-2,25	Homo sapiens KIT ligand (KITLG), transcript variant b, mRNA [NM_000899]
KCNMA1	10	2,73E-02	-2,40	-1,17	-2,19	Homo sapiens potassium large conductance calcium-activated channel, subfamily

						M, alpha member 1 (KCNMA1), transcript variant 2, mRNA [NM_002247]
SPATA19	11	2,40E-02	-2,40	1,11	-2,05	Homo sapiens spermatogenesis associated 19 (SPATA19), mRNA [NM_174927]
ZNF488	10	1,68E-05	-2,40	1,04	-2,32	Homo sapiens zinc finger protein 488 (ZNF488), mRNA [NM_153034]
EPHB2	1	1,04E-03	-2,40	-1,03	-2,24	Homo sapiens EPH receptor B2 (EPHB2), transcript variant 2, mRNA [NM_004442]
FZD8	10	2,05E-03	-2,40	-1,11	-2,04	Homo sapiens frizzled family receptor 8 (FZD8), mRNA [NM_031866]
ZNF730	19	8,63E-03	-2,40	1,32	-1,53	zinc finger protein 730 [Source:HGNC Symbol;Acc:32470] [ENST00000327867]
ST3GAL5	2	8,15E-04	-2,40	-1,07	-2,23	Homo sapiens ST3 beta-galactoside alpha-2,3-sialyltransferase 5 (ST3GAL5), transcript variant 1, mRNA [NM_003896]
LOC100129550	3	6,37E-04	-2,40	-1,02	-2,16	Homo sapiens hypothetical LOC100129550 (LOC100129550), non-coding RNA [NR_024618]
EFCAB11	14	1,35E-02	-2,40	-1,19	-1,22	EF-hand calcium binding domain 11 [Source:HGNC Symbol;Acc:20357] [ENST00000316738]
ZNF556	19	3,29E-03	-2,40	1,11	-1,95	Homo sapiens zinc finger protein 556 (ZNF556), mRNA [NM_024967]
CENPM	22	2,10E-02	-2,39	-1,04	-2,13	Homo sapiens centromere protein M (CENPM), transcript variant 1, mRNA [NM_024053]
LRP4	11	3,80E-03	-2,39	1,06	-2,37	Homo sapiens low density lipoprotein receptor-related protein 4 (LRP4), mRNA [NM_002334]
ACACB	12	1,47E-03	-2,39	1,02	-2,12	Homo sapiens acetyl-CoA carboxylase beta (ACACB), mRNA [NM_001093]
VPS37D	7	2,44E-05	-2,39	1,12	-1,95	Homo sapiens vacuolar protein sorting 37 homolog D (S. cerevisiae) (VPS37D), mRNA [NM_001077621]

MCM5	22	7,00E-03	-2,39	1,08	-2,32	Homo sapiens minichromosome maintenance complex component 5 (MCM5), mRNA [NM_006739]
PDPR	16	2,94E-02	-2,39	-1,56	-1,73	Homo sapiens pyruvate dehydrogenase phosphatase regulatory subunit (PDPR), mRNA [NM_017990]
ZNF814	19	1,81E-04	-2,39	-1,06	-1,90	Homo sapiens zinc finger protein 814 (ZNF814), mRNA [NM_001144989]
PHTF2	7	1,61E-03	-2,38	-1,05	-2,11	Homo sapiens putative homeodomain transcription factor 2 (PHTF2), transcript variant 2, mRNA [NM_020432]
KIF11	10	2,48E-02	-2,38	-1,01	-1,93	Homo sapiens kinesin family member 11 (KIF11), mRNA [NM_004523]
JMY	5	9,60E-03	-2,38	-1,06	-2,12	Homo sapiens junction mediating and regulatory protein, p53 cofactor (JMY), mRNA [NM_152405]
RAB30	11	4,27E-04	-2,38	1,09	-2,12	Homo sapiens RAB30, member RAS oncogene family (RAB30), mRNA [NM_014488]
DDHD1	14	3,40E-02	-2,38	-1,25	-2,22	Homo sapiens DDHD domain containing 1 (DDHD1), transcript variant 1, mRNA [NM_030637]
STARD13	13	2,29E-02	-2,37	-1,21	-2,01	StAR-related lipid transfer (START) domain containing 13 [Source:HGNC Symbol;Acc:19164] [ENST00000487412]
PCSK9	1	9,30E-03	-2,37	1,06	-1,80	Homo sapiens proprotein convertase subtilisin/kexin type 9 (PCSK9), mRNA [NM_174936]
SACS	13	1,92E-03	-2,37	-1,11	-1,72	Homo sapiens spastic ataxia of Charlevoix-Saguenay (sacsin) (SACS), mRNA [NM_014363]
	2	3,14E-02	-2,37	-2,13	-1,70	lincRNA:chr2:47558914-47559517 reverse strand
GPSM2	1	1,69E-03	-2,37	1,02	-2,30	Homo sapiens G-protein signaling modulator 2

						(GPSM2), mRNA [NM_013296]
MMP15	16	8,65E-06	-2,36	1,04	-2,25	Homo sapiens matrix metallopeptidase 15 (membrane-inserted) (MMP15), mRNA [NM_002428]
ZNF569	19	1,29E-02	-2,36	1,06	-1,80	Homo sapiens zinc finger protein 569 (ZNF569), mRNA [NM_152484]
	X	1,43E-04	-2,36	1,04	-1,96	high mobility group box 3 pseudogene 30 [Source:HGNC Symbol;Acc:39333] [ENST00000395427]
CSRP2BP	20	9,43E-04	-2,36	-1,12	-2,22	Homo sapiens CSRP2 binding protein (CSRP2BP), transcript variant 1, mRNA [NM_020536]
PCDHA11	5	8,14E-03	-2,36	-1,04	-2,20	Homo sapiens protocadherin alpha 11 (PCDHA11), transcript variant 1, mRNA [NM_018902]
KIF23	15	2,71E-02	-2,35	-1,04	-1,90	Homo sapiens kinesin family member 23 (KIF23), transcript variant 1, mRNA [NM_138555]
	6	1,87E-02	-2,35	-1,38	-1,99	lincRNA:chr6:3708951-3719951 forward strand
SCN7A	2	1,10E-02	-2,35	-1,52	-2,03	Homo sapiens sodium channel, voltage-gated, type VII, alpha (SCN7A), mRNA [NM_002976]
ZNF239	10	2,66E-02	-2,35	-1,14	-1,66	Homo sapiens zinc finger protein 239 (ZNF239), transcript variant 1, mRNA [NM_005674]
ABCA1	9	4,80E-03	-2,35	1,02	-1,93	Homo sapiens ATP-binding cassette, sub-family A (ABC1), member 1 (ABCA1), mRNA [NM_005502]
	2	1,83E-02	-2,35	-1,85	-1,35	Homo sapiens cDNA FLJ43215 fis, clone FEBRA2021908. [AK125205]
	21	7,99E-03	-2,35	-1,24	-2,10	lincRNA:chr21:44922353-44923757 reverse strand
CTDSPL	3	2,50E-04	-2,35	-1,02	-2,16	Homo sapiens CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like (CTDSPL), transcript variant 1, mRNA [NM_001008392]
CD244	1	5,93E-04	-2,35	-1,16	-2,04	Homo sapiens CD244 molecule, natural killer cell receptor 2B4

						(CD244), transcript variant 2, mRNA [NM_001166663]
CXCR7	2	7,89E-03	-2,35	-1,12	-2,07	Homo sapiens chemokine (C-X-C motif) receptor 7 (CXCR7), mRNA [NM_020311]
LOC283861	16	4,35E-04	-2,35	1,05	-2,09	Homo sapiens cDNA FLJ40824 fis, clone TRACH2011113. [AK098143]
PCNA	20	2,87E-02	-2,35	1,07	-2,25	Homo sapiens proliferating cell nuclear antigen (PCNA), transcript variant 1, mRNA [NM_002592]
SFTA3	14	1,16E-03	-2,34	-1,15	-2,28	Homo sapiens surfactant associated 3 (SFTA3), mRNA [NM_001101341]
TMEM139	7	8,19E-06	-2,34	-1,00	-1,97	Homo sapiens transmembrane protein 139 (TMEM139), transcript variant 1, mRNA [NM_153345]
SH3PXD2B	5	4,72E-03	-2,34	-1,04	-2,13	Homo sapiens SH3 and PX domains 2B (SH3PXD2B), mRNA [NM_001017995]
NAV2	11	3,35E-03	-2,34	-1,25	-2,26	Homo sapiens neuron navigator 2 (NAV2), transcript variant 1, mRNA [NM_182964]
HSD17B6	12	3,85E-02	-2,34	1,54	-1,49	Homo sapiens hydroxysteroid (17-beta) dehydrogenase 6 homolog (mouse) (HSD17B6), mRNA [NM_003725]
LOC439911	10	1,79E-03	-2,34	-1,01	-2,01	Homo sapiens cDNA FLJ45542 fis, clone BRTHA2033320. [AK127450]
DAAM1	14	1,87E-04	-2,34	1,00	-2,32	Homo sapiens dishevelled associated activator of morphogenesis 1 (DAAM1), mRNA [NM_014992]
UNG	12	1,25E-02	-2,34	1,02	-2,05	Homo sapiens uracil-DNA glycosylase (UNG), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_003362]
ZNF248	10	2,42E-02	-2,34	1,01	-2,13	Homo sapiens zinc finger protein 248 (ZNF248), mRNA [NM_021045]
RPGRIP1L	16	9,21E-03	-2,34	-1,09	-1,95	Homo sapiens RPGRIP1-like (RPGRIP1L), transcript variant 1,

						mRNA [NM_015272]
ZNF69	19	1,15E-03	-2,33	1,13	-2,03	Homo sapiens zinc finger protein 69 (ZNF69), mRNA [NM_021915]
LOC643551	13	2,02E-02	-2,33	-1,53	-2,17	Homo sapiens cDNA FLJ46123 fis, clone TESTI2039738. [AK128004]
BAI2	1	7,75E-03	-2,33	-1,32	-2,21	Homo sapiens brain-specific angiogenesis inhibitor 2 (BAI2), mRNA [NM_001703]
WDR52	3	9,42E-04	-2,33	-1,03	-1,82	Homo sapiens WD repeat domain 52 (WDR52), transcript variant 2, mRNA [NM_018338]
TYMS	18	4,00E-02	-2,33	1,06	-1,93	Homo sapiens thymidylate synthetase (TYMS), mRNA [NM_001071]
EPHB2	1	2,22E-04	-2,33	-1,10	-2,17	Homo sapiens EPH receptor B2 (EPHB2), transcript variant 2, mRNA [NM_004442]
PDXP	22	5,05E-04	-2,33	1,04	-2,05	Homo sapiens pyridoxal (pyridoxine, vitamin B6) phosphatase (PDXP), mRNA [NM_020315]
MBLAC2	5	9,81E-03	-2,33	1,08	-2,11	Homo sapiens metallo-beta-lactamase domain containing 2 (MBLAC2), mRNA [NM_203406]
XLOC_011183	15	4,90E-05	-2,33	1,02	-2,12	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
	4	6,62E-03	-2,32	-1,05	-2,25	lincRNA:chr4:90603427-90616902 forward strand
HIST1H4L	6	1,65E-03	-2,32	-1,04	-2,07	Homo sapiens histone cluster 1, H4l (HIST1H4L), mRNA [NM_003546]
	6	5,09E-04	-2,32	-1,12	-1,92	lincRNA:chr6:111594332-111604057 forward strand
ZNF43	19	2,08E-03	-2,32	-1,20	-2,15	Homo sapiens zinc finger protein 43 (ZNF43), mRNA [NM_003423]
LOC100131727	4	1,39E-02	-2,32	-1,10	-1,65	PREDICTED: Homo sapiens hypothetical protein LOC100131727 (LOC100131727), mRNA [XM_001723766]
BCL11A	2	1,42E-04	-2,32	-1,00	-1,95	Homo sapiens B-cell CLL/lymphoma 11A (zinc finger protein)

						(BCL11A), transcript variant 2, mRNA [NM_018014]
XLOC_012197	17	2,35E-04	-2,32	1,11	-1,89	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
	3	1,57E-03	-2,31	-1,20	-2,22	lincRNA:chr3:58606885-58616610 forward strand
LYL1	19	3,00E-02	-2,31	-1,20	-1,87	Homo sapiens lymphoblastic leukemia derived sequence 1 (LYL1), mRNA [NM_005583]
ID2	2	1,32E-02	-2,31	-1,35	-2,19	Homo sapiens inhibitor of DNA binding 2, dominant negative helix-loop-helix protein (ID2), mRNA [NM_002166]
ZNF248	10	1,03E-03	-2,31	-1,13	-2,13	Homo sapiens zinc finger protein 248 (ZNF248), mRNA [NM_021045]
PDZD8	10	4,99E-06	-2,31	-1,16	-2,11	Homo sapiens PDZ domain containing 8 (PDZD8), mRNA [NM_173791]
FHOD3	18	7,38E-04	-2,31	1,03	-2,02	Homo sapiens formin homology 2 domain containing 3 (FHOD3), mRNA [NM_025135]
EME1	17	2,95E-03	-2,31	-1,16	-2,03	Homo sapiens essential meiotic endonuclease 1 homolog 1 (S. pombe) (EME1), transcript variant 2, mRNA [NM_152463]
CCP110	16	1,01E-02	-2,31	1,04	-1,96	Homo sapiens centriolar coiled coil protein 110kDa (CCP110), transcript variant 2, mRNA [NM_014711]
PBXIP1	1	2,61E-02	-2,31	-1,12	-1,98	Homo sapiens pre-B-cell leukemia homeobox interacting protein 1 (PBXIP1), mRNA [NM_020524]
FADS1	11	3,92E-05	-2,31	1,03	-2,10	Homo sapiens fatty acid desaturase 1 (FADS1), mRNA [NM_013402]
DBIL5P	17	6,02E-05	-2,31	-1,05	-2,16	Homo sapiens diazepam binding inhibitor-like 5, pseudogene (DBIL5P), non-coding RNA [NR_024120]
	8	9,15E-06	-2,30	1,04	-2,11	lincRNA:chr8:92071874-92082224 reverse strand
LOC10012888	16	1,42E-03	-2,30	1,00	-1,92	Homo sapiens

1						hypothetical LOC100128881 (LOC100128881), non-coding RNA [NR_036480]
ASF1B	19	7,38E-03	-2,30	1,01	-2,04	Homo sapiens ASF1 anti-silencing function 1 homolog B (S. cerevisiae) (ASF1B), mRNA [NM_018154]
TNNT3	11	1,24E-02	-2,30	-1,38	-1,90	Homo sapiens troponin T type 3 (skeletal, fast) (TNNT3), transcript variant 1, mRNA [NM_006757]
	8	4,25E-03	-2,30	-1,18	-1,99	lincRNA:chr8:102179030-102181086 reverse strand
GLYAT	11	2,87E-02	-2,30	-1,61	-1,71	Homo sapiens glycine-N-acyltransferase (GLYAT), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_201648]
ZBED5	11	1,41E-06	-2,30	-1,05	-2,28	Homo sapiens zinc finger, BED-type containing 5 (ZBED5), transcript variant 1, mRNA [NM_021211]
FAM108B1	9	1,11E-03	-2,29	-1,35	-2,20	Homo sapiens family with sequence similarity 108, member B1 (FAM108B1), transcript variant 1, mRNA [NM_016014]
DFNB59	2	2,79E-03	-2,29	1,17	-2,05	Homo sapiens deafness, autosomal recessive 59 (DFNB59), mRNA [NM_001042702]
SPATA6	1	1,23E-02	-2,29	1,00	-2,06	Homo sapiens spermatogenesis associated 6 (SPATA6), mRNA [NM_019073]
PCNA	20	2,72E-02	-2,29	1,02	-2,04	Homo sapiens proliferating cell nuclear antigen (PCNA), transcript variant 1, mRNA [NM_002592]
KIT	4	1,57E-02	-2,29	-1,11	-2,19	Homo sapiens v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog (KIT), transcript variant 2, mRNA [NM_001093772]
BRD3	9	7,00E-04	-2,29	-1,07	-2,16	Homo sapiens bromodomain containing 3 (BRD3), mRNA [NM_007371]

	3	9,63E-03	-2,29	-1,40	-1,76	PREDICTED: Homo sapiens similar to PRO0641 (LOC100130401), mRNA [XM_003118519]
ELAVL2	9	4,26E-03	-2,29	1,14	-1,61	Homo sapiens ELAV (embryonic lethal, abnormal vision, Drosophila)-like 2 (Hu antigen B) (ELAVL2), transcript variant 1, mRNA [NM_004432]
LRRC2	3	7,48E-03	-2,28	1,11	-1,68	Homo sapiens leucine rich repeat containing 2 (LRRC2), mRNA [NM_024512]
PLCB2	15	1,17E-05	-2,28	1,16	-1,57	Homo sapiens phospholipase C, beta 2 (PLCB2), mRNA [NM_004573]
COL5A2	2	7,19E-03	-2,28	-1,05	-1,99	Homo sapiens collagen, type V, alpha 2 (COL5A2), mRNA [NM_000393]
FAM64A	17	1,50E-02	-2,28	1,18	-1,82	Homo sapiens family with sequence similarity 64, member A (FAM64A), transcript variant 2, mRNA [NM_001195228]
BICD1	12	4,12E-04	-2,28	-1,21	-2,16	Homo sapiens bicaudal D homolog 1 (Drosophila) (BICD1), transcript variant 1, mRNA [NM_001714]
XLOC_008373	10	2,48E-03	-2,28	1,16	-1,90	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
HIST1H4C	6	1,24E-03	-2,28	-1,00	-1,99	Homo sapiens histone cluster 1, H4c (HIST1H4C), mRNA [NM_003542]
LOC441025	4	1,91E-02	-2,27	-1,61	-1,39	Homo sapiens hypothetical LOC441025 (LOC441025), non-coding RNA [NR_033964]
CASP6	4	5,19E-04	-2,27	1,12	-2,20	Homo sapiens caspase 6, apoptosis-related cysteine peptidase (CASP6), transcript variant alpha, mRNA [NM_001226]
ALS2	2	2,45E-03	-2,27	-1,16	-1,99	amyotrophic lateral sclerosis 2 (juvenile) [Source:HGNC Symbol;Acc:443] [ENST00000410052]
SUV39H1	X	1,63E-03	-2,27	-1,08	-2,15	Homo sapiens suppressor of

						variegation 3-9 homolog 1 (Drosophila) (SUV39H1), mRNA [NM_003173]
FAM78A	9	4,32E-02	-2,27	1,04	-1,80	Homo sapiens family with sequence similarity 78, member A (FAM78A), mRNA [NM_033387]
CEP97	3	2,48E-03	-2,27	-1,14	-2,12	Homo sapiens centrosomal protein 97kDa (CEP97), mRNA [NM_024548]
NFATC3	16	8,62E-04	-2,27	1,06	-2,08	Homo sapiens nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3 (NFATC3), transcript variant 1, mRNA [NM_173165]
NRARP	9	1,40E-03	-2,27	-1,12	-2,12	Homo sapiens NOTCH-regulated ankyrin repeat protein (NRARP), mRNA [NM_001004354]
ZDHHC8P1	22	3,48E-02	-2,27	-1,29	-1,84	Homo sapiens zinc finger, DHHC-type containing 8 pseudogene 1 (ZDHHC8P1), non-coding RNA [NR_003950]
ATAD2	8	1,12E-02	-2,27	-1,10	-2,14	Homo sapiens ATPase family, AAA domain containing 2 (ATAD2), mRNA [NM_014109]
WNT3	17	7,76E-04	-2,27	-1,15	-1,98	Homo sapiens wingless-type MMTV integration site family, member 3 (WNT3), mRNA [NM_030753]
TEPP	16	3,19E-05	-2,27	1,13	-1,74	Homo sapiens testis, prostate and placenta expressed (TEPP), transcript variant 1, mRNA [NM_199046]
GPR155	2	4,54E-03	-2,27	1,13	-2,23	Homo sapiens G protein-coupled receptor 155 (GPR155), transcript variant 9, mRNA [NM_001033045]
PLA2G12B	10	3,08E-02	-2,27	-1,59	-1,41	Homo sapiens phospholipase A2, group XIIB (PLA2G12B), mRNA [NM_032562]
MCM7	7	1,34E-02	-2,27	1,10	-1,98	Homo sapiens minichromosome maintenance complex component 7 (MCM7), transcript

						variant 2, mRNA [NM_182776]
PAQR7	1	9,22E-05	-2,26	-1,14	-2,24	Homo sapiens progestin and adipoQ receptor family member VII (PAQR7), mRNA [NM_178422]
ARL4A	7	2,48E-04	-2,26	-1,08	-2,15	Homo sapiens ADP-ribosylation factor-like 4A (ARL4A), transcript variant 1, mRNA [NM_005738]
MITF	3	2,95E-03	-2,26	1,02	-2,23	Homo sapiens microphthalmia-associated transcription factor (MITF), transcript variant 1, mRNA [NM_198159]
PPARGC1A	4	4,14E-02	-2,26	-1,10	-2,06	Homo sapiens peroxisome proliferator-activated receptor gamma, coactivator 1 alpha (PPARGC1A), mRNA [NM_013261]
GCLC	6	5,46E-05	-2,26	-1,10	-2,04	Homo sapiens glutamate-cysteine ligase, catalytic subunit (GCLC), transcript variant 1, mRNA [NM_001498]
FLJ27352	15	1,60E-03	-2,26	1,12	-2,25	Homo sapiens hypothetical LOC145788 (FLJ27352), mRNA [NM_001198784]
ZC4H2	X	1,61E-03	-2,26	-1,00	-2,17	Homo sapiens zinc finger, C4H2 domain containing (ZC4H2), transcript variant 1, mRNA [NM_018684]
TMSB15B	X	2,08E-03	-2,26	1,10	-2,00	Homo sapiens thymosin beta 15B (TMSB15B), mRNA [NM_194324]
ZFP30	19	4,11E-03	-2,26	-1,00	-1,80	Homo sapiens zinc finger protein 30 homolog (mouse) (ZFP30), mRNA [NM_014898]
HIRIP3	16	2,31E-03	-2,26	-1,00	-1,93	Homo sapiens HIRA interacting protein 3 (HIRIP3), mRNA [NM_003609]
TONSL	8	9,94E-04	-2,26	-1,00	-2,01	Homo sapiens tonsoku-like, DNA repair protein (TONSL), mRNA [NM_013432]
MANEAL	1	2,98E-02	-2,26	1,05	-1,97	Homo sapiens mannosidase, endo-alpha-like (MANEAL), transcript variant 1, mRNA [NM_001031740]
ARL4A	7	1,55E-04	-2,26	-1,15	-2,01	Homo sapiens ADP-

						ribosylation factor-like 4A (ARL4A), transcript variant 1, mRNA [NM_005738]
DOCK11	X	4,38E-03	-2,26	-1,12	-1,94	Homo sapiens dedicator of cytokinesis 11 (DOCK11), mRNA [NM_144658]
TRPS1	8	3,98E-03	-2,26	-1,26	-2,06	Homo sapiens trichorhinophalangeal syndrome I (TRPS1), mRNA [NM_014112]
KLHL24	3	9,89E-03	-2,25	1,06	-1,98	Homo sapiens kelch-like 24 (Drosophila) (KLHL24), mRNA [NM_017644]
ACTR3B	7	1,07E-03	-2,25	-1,03	-2,14	Homo sapiens ARP3 actin-related protein 3 homolog B (yeast) (ACTR3B), transcript variant 1, mRNA [NM_020445]
ZNF10	12	2,69E-03	-2,25	-1,19	-2,08	Homo sapiens zinc finger protein 10 (ZNF10), mRNA [NM_015394]
ZNF749	19	3,99E-03	-2,24	-1,17	-1,45	Homo sapiens zinc finger protein 749 (ZNF749), mRNA [NM_001023561]
ELOVL6	4	6,68E-05	-2,24	-1,06	-2,18	Homo sapiens ELOVL fatty acid elongase 6 (ELOVL6), transcript variant 1, mRNA [NM_024090]
GPR155	2	2,11E-03	-2,24	-1,01	-2,15	Homo sapiens G protein-coupled receptor 155 (GPR155), transcript variant 9, mRNA [NM_001033045]
ZHX3	20	2,78E-04	-2,24	-1,06	-2,05	Homo sapiens zinc fingers and homeoboxes 3 (ZHX3), mRNA [NM_015035]
PSD3	8	6,41E-03	-2,24	1,01	-2,09	Homo sapiens pleckstrin and Sec7 domain containing 3 (PSD3), transcript variant 1, mRNA [NM_015310]
DLG1	3	4,09E-04	-2,24	-1,26	-1,99	Homo sapiens discs, large homolog 1 (Drosophila) (DLG1), transcript variant 1, mRNA [NM_001098424]
PXT1	6	3,81E-02	-2,24	-1,22	-2,15	Homo sapiens peroxisomal, testis specific 1 (PXT1), mRNA [NM_152990]
	4	1,96E-02	-2,24	1,32	-2,07	lincRNA:chr4:90602662-90615087 forward strand

ZNF469	16	6,80E-05	-2,23	-1,06	-1,87	Homo sapiens zinc finger protein 469 (ZNF469), mRNA [NM_001127464]
SGCE	7	9,55E-03	-2,23	-1,02	-2,15	Homo sapiens sarcoglycan, epsilon (SGCE), transcript variant 1, mRNA [NM_001099401]
	2	3,70E-03	-2,23	-1,62	-1,54	Homo sapiens cDNA FLJ37235 fis, clone BRAMY2002525. [AK094554]
LRIG1	3	1,19E-03	-2,23	1,08	-2,15	Homo sapiens leucine-rich repeats and immunoglobulin-like domains 1 (LRIG1), mRNA [NM_015541]
DHFR	5	4,19E-03	-2,23	-1,09	-1,78	Homo sapiens dihydrofolate reductase (DHFR), mRNA [NM_000791]
TRPS1	8	2,23E-03	-2,22	-1,35	-1,97	Homo sapiens trichorhinophalangeal syndrome I (TRPS1), mRNA [NM_014112]
NUDT6	4	1,30E-02	-2,22	1,08	-1,91	Homo sapiens nudix (nucleoside diphosphate linked moiety X)-type motif 6 (NUDT6), transcript variant 2, mRNA [NM_198041]
C12orf24	12	1,99E-02	-2,22	-1,04	-1,67	Homo sapiens chromosome 12 open reading frame 24 (C12orf24), mRNA [NM_013300]
ELL3	15	5,00E-03	-2,22	1,29	-2,04	Homo sapiens elongation factor RNA polymerase II-like 3 (ELL3), mRNA [NM_025165]
ABHD15	17	4,68E-03	-2,22	1,03	-1,90	Homo sapiens abhydrolase domain containing 15 (ABHD15), mRNA [NM_198147]
	4	1,67E-02	-2,22	-1,01	-1,65	lincRNA:chr4:53578995-53580281 reverse strand
SORBS2	4	4,84E-02	-2,22	-1,39	-2,14	Homo sapiens sorbin and SH3 domain containing 2 (SORBS2), transcript variant 2, mRNA [NM_021069]
STXBP4	17	1,30E-03	-2,22	-1,29	-1,92	Homo sapiens syntaxin binding protein 4 (STXBP4), mRNA [NM_178509]
NAT8L	4	7,35E-05	-2,22	1,35	-2,09	Homo sapiens N-acetyltransferase 8-like (GCN5-related, putative) (NAT8L), mRNA [NM_178557]
THEM4	1	1,68E-03	-2,22	-1,05	-1,85	Homo sapiens

						thioesterase superfamily member 4 (THEM4), mRNA [NM_053055]
	21	5,81E-05	-2,22	1,01	-1,97	lincRNA:chr21:29818746-30047176 reverse strand
	19	2,22E-03	-2,22	-1,15	-1,75	lincRNA:chr19:28268097-28296683 forward strand
GPRC5C	17	1,91E-05	-2,21	1,07	-1,93	Homo sapiens G protein-coupled receptor, family C, group 5, member C (GPRC5C), transcript variant 1, mRNA [NM_022036]
ZNF833P	19	1,44E-02	-2,21	-1,62	-2,10	Homo sapiens zinc finger protein 833, pseudogene (ZNF833P), non-coding RNA [NR_028594]
RMI1	9	1,49E-02	-2,21	-1,02	-1,89	Homo sapiens RMI1, RecQ mediated genome instability 1, homolog (S. cerevisiae) (RMI1), mRNA [NM_024945]
FANCM	14	2,09E-03	-2,21	1,01	-2,16	Homo sapiens Fanconi anemia, complementation group M (FANCM), mRNA [NM_020937]
HMGB3P22	5	1,53E-04	-2,21	1,10	-1,97	PREDICTED: Homo sapiens high mobility group protein B3-like, transcript variant 1 (LOC729595), partial mRNA [XM_001130734]
ANKRD20A8P	2	8,75E-03	-2,20	-1,10	-1,82	Homo sapiens ankyrin repeat domain 20 family, member A8, pseudogene (ANKRD20A8P), non-coding RNA [NR_003366]
ARTN	1	6,03E-04	-2,20	-1,10	-2,19	Homo sapiens artemin (ARTN), transcript variant 4, mRNA [NM_057090]
KCNU1	8	1,89E-02	-2,20	-1,54	-1,84	Homo sapiens potassium channel, subfamily U, member 1 (KCNU1), mRNA [NM_001031836]
PMEPA1	20	6,34E-06	-2,20	-1,02	-1,85	Homo sapiens prostate transmembrane protein, androgen induced 1 (PMEPA1), transcript variant 1, mRNA [NM_020182]
GJC1	17	3,95E-03	-2,20	-1,10	-1,85	Homo sapiens gap junction protein, gamma 1, 45kDa

						(GJC1), transcript variant 1, mRNA [NM_005497]
TROAP	12	7,68E-03	-2,20	-1,12	-1,92	Homo sapiens trophinin associated protein (tastin) (TROAP), transcript variant 1, mRNA [NM_005480]
POLQ	3	1,32E-02	-2,20	-1,02	-1,74	Homo sapiens polymerase (DNA directed), theta (POLQ), mRNA [NM_199420]
	10	1,22E-04	-2,20	-1,25	-1,60	lincRNA:chr10:88688970-88694220 forward strand
	21	3,65E-04	-2,20	-1,11	-2,06	chromosome 21 open reading frame 81 [Source:HGNC Symbol;Acc:16413] [ENST00000442192]
ZNF735	7	3,40E-02	-2,19	-1,19	-1,63	Homo sapiens zinc finger protein 735 (ZNF735), mRNA [NM_001159524]
LONRF2	2	3,35E-03	-2,19	-1,16	-2,18	Homo sapiens LON peptidase N-terminal domain and ring finger 2 (LONRF2), mRNA [NM_198461]
HTRA1	10	3,08E-05	-2,19	-1,03	-2,02	Homo sapiens HtrA serine peptidase 1 (HTRA1), mRNA [NM_002775]
SLC35B4	7	2,88E-04	-2,19	1,02	-1,66	Homo sapiens solute carrier family 35, member B4 (SLC35B4), mRNA [NM_032826]
	19	1,47E-04	-2,19	1,16	-1,59	lincRNA:chr19:28293532-28294380 forward strand
PRRT3	3	2,39E-03	-2,19	-1,06	-2,08	Homo sapiens proline-rich transmembrane protein 3 (PRRT3), mRNA [NM_207351]
STOX2	4	3,37E-05	-2,19	1,03	-2,18	Homo sapiens storkhead box 2 (STOX2), mRNA [NM_020225]
MMS22L	6	1,61E-02	-2,19	1,11	-1,90	Homo sapiens MMS22-like, DNA repair protein (MMS22L), mRNA [NM_198468]
	7	3,55E-02	-2,19	-1,04	-1,76	lincRNA:chr7:7928975-7996750 reverse strand
IL20RB	3	3,40E-04	-2,19	-1,08	-2,05	Homo sapiens interleukin 20 receptor beta (IL20RB), mRNA [NM_144717]
NDP	X	3,77E-02	-2,19	1,25	-2,00	Homo sapiens Norrie disease (pseudoglioma) (NDP), mRNA

						[NM_000266]
EPB41L1	20	5,51E-03	-2,18	1,05	-2,09	Homo sapiens erythrocyte membrane protein band 4.1-like 1 (EPB41L1), transcript variant 1, mRNA [NM_012156]
PLEKHM3	2	1,47E-02	-2,18	-1,23	-1,54	Homo sapiens pleckstrin homology domain containing, family M, member 3 (PLEKHM3), mRNA [NM_001080475]
SFT2D3	2	7,41E-06	-2,18	1,09	-2,14	Homo sapiens SFT2 domain containing 3 (SFT2D3), mRNA [NM_032740]
KIF7	15	1,20E-02	-2,18	-1,09	-1,67	Homo sapiens kinesin family member 7 (KIF7), mRNA [NM_198525]
XLOC_004366	5	1,14E-03	-2,18	1,06	-2,17	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
MECOM	3	5,72E-04	-2,17	1,08	-1,91	Homo sapiens MDS1 and EVI1 complex locus (MECOM), transcript variant 6, mRNA [NM_001164000]
PGM2L1	11	5,90E-04	-2,17	1,09	-1,64	Homo sapiens phosphoglucomutase 2-like 1 (PGM2L1), mRNA [NM_173582]
TP53INP1	8	8,82E-04	-2,17	-1,29	-1,95	Homo sapiens tumor protein p53 inducible nuclear protein 1 (TP53INP1), transcript variant 1, mRNA [NM_033285]
LOC728705	12	3,56E-02	-2,17	1,17	-1,20	Homo sapiens cDNA FLJ31150 fis, clone IMR322001534. [AK055712]
SGOL2	2	2,88E-03	-2,17	1,07	-1,18	shugoshin-like 2 (S. pombe) [Source:HGNC Symbol;Acc:30812] [ENST00000409203]
HIST1H4D	6	2,43E-03	-2,17	-1,16	-1,99	Homo sapiens histone cluster 1, H4d (HIST1H4D), mRNA [NM_003539]
ANKRD32	5	2,43E-02	-2,17	1,02	-1,78	Homo sapiens ankyrin repeat domain 32 (ANKRD32), mRNA [NM_032290]
	20	3,92E-02	-2,17	-2,71	-1,78	lincRNA:chr20:23121750-23135225 reverse strand
PRPF18	10	7,88E-03	-2,17	-2,17	-1,94	PRP18 pre-mRNA processing factor 18 homolog (S. cerevisiae) [Source:HGNC

						Symbol;Acc:17351] [ENST00000320054]
CENPE	4	4,23E-02	-2,17	-1,05	-1,71	Homo sapiens centromere protein E, 312kDa (CENPE), mRNA [NM_001813]
NFIB	9	2,93E-03	-2,17	-1,16	-2,03	Homo sapiens nuclear factor I/B (NFIB), transcript variant 3, mRNA [NM_005596]
ANKRD20A2	9	2,35E-03	-2,16	-1,03	-1,85	Homo sapiens ankyrin repeat domain 20 family, member A2 (ANKRD20A2), mRNA [NM_001012421]
HIST1H1E	6	2,90E-03	-2,16	-1,05	-2,10	Homo sapiens histone cluster 1, H1e (HIST1H1E), mRNA [NM_005321]
MDM1	12	2,03E-04	-2,16	-1,14	-2,04	Homo sapiens Mdm1 nuclear protein homolog (mouse) (MDM1), transcript variant 2, mRNA [NM_020128]
FANCA	16	1,54E-03	-2,16	-1,08	-1,92	Homo sapiens Fanconi anemia, complementation group A (FANCA), transcript variant 2, mRNA [NM_001018112]
	16	1,92E-03	-2,16	-1,18	-1,83	HSU09087 thymopoietin beta {Homo sapiens} (exp=-1; wgp=0; cg=0), partial (28%) [THC2520108]
PHF7	3	4,33E-02	-2,16	-1,09	-1,76	Homo sapiens PHD finger protein 7 (PHF7), transcript variant 2, mRNA [NM_173341]
NAV2	11	1,34E-03	-2,16	-1,09	-2,11	Homo sapiens neuron navigator 2 (NAV2), transcript variant 1, mRNA [NM_182964]
HIRIP3	16	2,57E-03	-2,16	1,05	-2,10	Homo sapiens HIRA interacting protein 3 (HIRIP3), mRNA [NM_003609]
NUAK1	12	2,42E-03	-2,16	-1,02	-1,81	Homo sapiens NUAK family, SNF1-like kinase, 1 (NUAK1), mRNA [NM_014840]
LRRC66	4	3,41E-02	-2,15	1,06	-1,49	Homo sapiens leucine rich repeat containing 66 (LRRC66), mRNA [NM_001024611]
	5	9,99E-03	-2,15	-1,03	-1,66	lincRNA:chr5:44826637-44828692 forward strand
SNHG9	16	1,55E-02	-2,15	-1,17	-2,12	Homo sapiens small nucleolar RNA host

						gene 9 (non-protein coding) (SNHG9), non-coding RNA [NR_003142]
C1orf162	1	2,73E-03	-2,15	-1,49	-1,39	Homo sapiens chromosome 1 open reading frame 162 (C1orf162), mRNA [NM_174896]
SUFU	10	4,76E-03	-2,15	-1,09	-2,02	Homo sapiens suppressor of fused homolog (Drosophila) (SUFU), transcript variant 1, mRNA [NM_016169]
STARD13	13	4,28E-03	-2,15	-1,06	-2,08	Homo sapiens StAR-related lipid transfer (START) domain containing 13 (STARD13), transcript variant alpha, mRNA [NM_178006]
HENMT1	1	2,38E-03	-2,15	1,09	-1,92	Homo sapiens HEN1 methyltransferase homolog 1 (Arabidopsis) (HENMT1), transcript variant 1, mRNA [NM_144584]
C7orf68	7	3,19E-04	-2,15	1,17	-2,04	Homo sapiens chromosome 7 open reading frame 68 (C7orf68), transcript variant 1, mRNA [NM_013332]
CELF3	1	2,66E-02	-2,14	-1,07	1,07	Homo sapiens CUGBP, Elav-like family member 3 (CELF3), transcript variant 1, mRNA [NM_007185]
HMGB3P24	9	2,08E-04	-2,14	1,01	-1,79	PREDICTED: Homo sapiens high mobility group protein B3-like (LOC646993), mRNA [XM_929965]
ACVR1C	2	1,77E-02	-2,14	1,20	-1,34	Homo sapiens activin A receptor, type IC (ACVR1C), transcript variant 1, mRNA [NM_145259]
	3	1,11E-04	-2,14	-1,07	-1,98	lincRNA:chr3:112315643-112316945 reverse strand
CENPJ	13	1,37E-02	-2,14	1,09	-1,68	Homo sapiens centromere protein J (CENPJ), mRNA [NM_018451]
BTNL9	5	3,63E-02	-2,14	-1,50	-2,06	Homo sapiens butyrophilin-like 9 (BTNL9), mRNA [NM_152547]
LOC100128292	10	3,20E-03	-2,14	-1,14	-1,93	Homo sapiens hypothetical LOC100128292 (LOC100128292), non-coding RNA [NR_024585]

LOC400752	1	1,18E-02	-2,14	-1,30	-1,98	Homo sapiens hypothetical LOC400752 (LOC400752), non-coding RNA [NR_024270]
F12	5	6,75E-04	-2,14	-1,07	-1,78	Homo sapiens coagulation factor XII (Hageman factor) (F12), mRNA [NM_000505]
PLEKHG1	6	4,59E-04	-2,14	-1,36	-1,60	Homo sapiens pleckstrin homology domain containing, family G (with RhoGef domain) member 1 (PLEKHG1), mRNA [NM_001029884]
LRIG3	12	4,81E-03	-2,14	-1,10	-2,04	Homo sapiens leucine-rich repeats and immunoglobulin-like domains 3 (LRIG3), transcript variant 2, mRNA [NM_153377]
	3	1,31E-04	-2,14	1,21	-1,52	PREDICTED: Homo sapiens hypothetical LOC442075 (LOC442075), miscRNA [XR_110030]
TMPO	12	1,12E-02	-2,14	-1,24	-1,87	Homo sapiens thymopoietin (TMPO), transcript variant 2, mRNA [NM_001032283]
LOC375295	2	9,69E-03	-2,14	-1,02	-1,96	Homo sapiens hypothetical LOC375295 (LOC375295), non-coding RNA [NR_040001]
LOC100507547	6	7,25E-05	-2,14	-1,10	-1,98	Homo sapiens hypothetical LOC100507547 (LOC100507547), transcript variant 1, non-coding RNA [NR_037169]
FOXO1	13	7,50E-05	-2,14	1,07	-2,05	Homo sapiens forkhead box O1 (FOXO1), mRNA [NM_002015]
CD24	Y	2,90E-05	-2,14	-1,05	-2,13	Homo sapiens CD24 molecule (CD24), mRNA [NM_013230]
	1	6,76E-04	-2,14	1,20	-1,64	Q7Z4F0_HUMAN (Q7Z4F0) MSTP088, partial (67%) [THC2652331]
	12	8,79E-04	-2,13	-1,06	-1,97	PREDICTED: Homo sapiens hypothetical LOC100130219 (LOC100130219), partial miscRNA [XR_109115]
SYT12	11	2,92E-02	-2,13	1,22	-1,90	Homo sapiens synaptotagmin XII

						(SYT12), transcript variant 1, mRNA [NM_177963]
PLGLB1	2	7,66E-03	-2,13	1,45	1,18	Homo sapiens plasminogen-like B1 (PLGLB1), mRNA [NM_001032392]
PCYOX1	2	3,59E-04	-2,13	1,13	-1,97	Homo sapiens prenylcysteine oxidase 1 (PCYOX1), mRNA [NM_016297]
	6	1,07E-02	-2,13	-1,14	-1,34	lincRNA:chr6:48044816-48070216 reverse strand
HLTF	3	4,16E-02	-2,13	1,01	-1,87	Homo sapiens helicase-like transcription factor (HLTF), transcript variant 1, mRNA [NM_003071]
CNTN1	12	2,99E-04	-2,13	-1,12	-1,91	Homo sapiens contactin 1 (CNTN1), transcript variant 1, mRNA [NM_001843]
CAMKK1	17	1,94E-03	-2,13	-1,10	-2,06	Homo sapiens calcium/calmodulin-dependent protein kinase kinase 1, alpha (CAMKK1), transcript variant 1, mRNA [NM_032294]
ALMS1	2	3,52E-02	-2,13	-1,78	-1,44	Homo sapiens Alstrom syndrome 1 (ALMS1), mRNA [NM_015120]
LOC203274	9	7,57E-03	-2,13	-1,31	-1,79	Homo sapiens cDNA clone IMAGE:5498355. [BC110369]
FHOD1	16	1,43E-05	-2,13	1,18	-1,91	Homo sapiens formin homology 2 domain containing 1 (FHOD1), mRNA [NM_013241]
PPP1R12B	1	1,29E-04	-2,13	-1,30	-1,98	Homo sapiens protein phosphatase 1, regulatory (inhibitor) subunit 12B (PPP1R12B), transcript variant 1, mRNA [NM_002481]
CABYR	18	1,19E-03	-2,13	1,05	-1,89	Homo sapiens calcium binding tyrosine-(Y)-phosphorylation regulated (CABYR), transcript variant 1, mRNA [NM_012189]
CCDC8	19	2,26E-03	-2,13	1,05	-1,98	Homo sapiens coiled-coil domain containing 8 (CCDC8), mRNA [NM_032040]
TRIM59	3	1,07E-03	-2,13	1,03	-1,76	Homo sapiens tripartite motif containing 59 (TRIM59), mRNA [NM_173084]

CENPN	16	1,74E-02	-2,13	-1,25	-1,82	Homo sapiens centromere protein N (CENPN), transcript variant 1, mRNA [NM_001100625]
PRKACB	1	4,07E-02	-2,12	-1,10	-2,06	Homo sapiens protein kinase, cAMP-dependent, catalytic, beta (PRKACB), transcript variant 2, mRNA [NM_002731]
CYP27C1	2	9,09E-04	-2,12	-1,03	-1,95	Homo sapiens cytochrome P450, family 27, subfamily C, polypeptide 1 (CYP27C1), mRNA [NM_001001665]
ECEL1P2	2	2,09E-02	-2,12	-2,09	-1,57	Homo sapiens endothelin converting enzyme-like 1, pseudogene 2 (ECEL1P2), non-coding RNA [NR_028501]
LOC152286	3	7,65E-03	-2,12	-1,05	-1,58	Homo sapiens mRNA; cDNA DKFZp434E036 (from clone DKFZp434E036) [AL117431]
ACCN2	12	6,66E-03	-2,12	-1,02	-1,87	Homo sapiens amiloride-sensitive cation channel 2, neuronal (ACCN2), transcript variant 1, mRNA [NM_020039]
SMOC2	6	9,31E-03	-2,12	1,23	-2,02	Homo sapiens SPARC related modular calcium binding 2 (SMOC2), transcript variant 1, mRNA [NM_022138]
MTERFD3	12	5,28E-04	-2,12	-1,03	-2,05	Homo sapiens MTERF domain containing 3 (MTERFD3), transcript variant 1, mRNA [NM_001033050]
THRB	3	9,28E-04	-2,11	-1,12	-2,08	Homo sapiens thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2, avian) (THRB), transcript variant 3, mRNA [NM_001128177]
	18	4,06E-02	-2,11	-1,22	-1,46	lincRNA:chr18:72260674-72265801 reverse strand
OBSL1	2	2,47E-05	-2,11	1,08	-1,97	Homo sapiens obscurin-like 1 (OBSL1), transcript variant 1, mRNA [NM_015311]
HIST1H4H	6	2,70E-03	-2,11	-1,12	-2,05	Homo sapiens

						histone cluster 1, H4h (HIST1H4H), mRNA [NM_003543]
TET1	10	2,66E-03	-2,11	1,05	-1,56	Homo sapiens tet oncogene 1 (TET1), mRNA [NM_030625]
LOC57399	5	3,12E-02	-2,11	-1,82	-1,23	Homo sapiens uncharacterized gastric protein ZA52P mRNA, complete cds. [AF264626]
FUT8	14	5,32E-03	-2,11	-1,07	-1,84	Homo sapiens fucosyltransferase 8 (alpha (1,6) fucosyltransferase) (FUT8), transcript variant 1, mRNA [NM_178155]
CCDC99	5	4,89E-03	-2,11	1,03	-1,98	Homo sapiens coiled-coil domain containing 99 (CCDC99), mRNA [NM_017785]
SLC29A1	6	1,52E-02	-2,11	1,08	-1,64	Homo sapiens solute carrier family 29 (nucleoside transporters), member 1 (SLC29A1), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_001078177]
MAGED4B	X	5,84E-03	-2,11	1,17	-1,94	Homo sapiens melanoma antigen family D, 4B (MAGED4B), transcript variant 1, mRNA [NM_030801]
C22orf29	22	3,54E-03	-2,11	-1,18	-1,97	Homo sapiens chromosome 22 open reading frame 29 (C22orf29), mRNA [NM_024627]
KIF24	9	3,56E-02	-2,11	-1,03	-1,86	Homo sapiens kinesin family member 24 (KIF24), mRNA [NM_194313]
ZNRF1	16	2,83E-04	-2,10	1,08	-1,99	Homo sapiens zinc and ring finger 1 (ZNRF1), mRNA [NM_032268]
CAPN12	19	5,72E-04	-2,10	1,14	-2,09	Homo sapiens calpain 12 (CAPN12), mRNA [NM_144691]
PCYOX1	2	1,24E-03	-2,10	1,06	-2,00	Homo sapiens prenylcysteine oxidase 1 (PCYOX1), mRNA [NM_016297]
BRD3	9	6,80E-04	-2,10	1,06	-1,92	Homo sapiens bromodomain containing 3 (BRD3), mRNA [NM_007371]
	13	4,73E-02	-2,10	-1,70	-1,42	lincRNA:chr13:41015400-41029450

						forward strand
	X	2,18E-02	-2,10	-1,24	-1,72	lincRNA:chrX:115005722-115029431 reverse strand
MKI67	10	6,58E-03	-2,10	-1,14	-1,62	Homo sapiens antigen identified by monoclonal antibody Ki-67 (MKI67), transcript variant 1, mRNA [NM_002417]
TBX1	22	1,10E-02	-2,10	-1,08	-1,89	Homo sapiens T-box 1 (TBX1), transcript variant A, mRNA [NM_080646]
NRXN3	14	3,92E-03	-2,10	1,06	-1,49	Homo sapiens neurexin 3 (NRXN3), transcript variant 1, mRNA [NM_004796]
GKAP1	9	1,65E-03	-2,10	-1,17	-1,56	Homo sapiens G kinase anchoring protein 1 (GKAP1), transcript variant 1, mRNA [NM_025211]
ID2	2	3,69E-03	-2,10	-1,25	-2,06	Homo sapiens inhibitor of DNA binding 2, dominant negative helix-loop-helix protein (ID2), mRNA [NM_002166]
PASK	2	8,29E-03	-2,10	1,10	-1,58	Homo sapiens PAS domain containing serine/threonine kinase (PASK), mRNA [NM_015148]
	3	3,83E-03	-2,10	-1,40	-1,60	lincRNA:chr3:114031960-114042235 reverse strand
TYSND1	10	1,30E-02	-2,10	1,04	-1,80	Homo sapiens trypsin domain containing 1 (TYSND1), transcript variant 1, mRNA [NM_173555]
C21orf122	21	6,22E-03	-2,10	1,15	-1,99	Homo sapiens chromosome 21 open reading frame 122 (C21orf122), non-coding RNA [NR_027292]
HMGB3P1	20	1,15E-05	-2,09	1,08	-1,71	Homo sapiens high mobility group box 3 pseudogene 1 (HMGB3P1), non-coding RNA [NR_002165]
	7	6,36E-03	-2,09	-1,07	-1,59	lincRNA:chr7:79099906-79100510 forward strand
ZNF286B	17	3,06E-05	-2,09	-1,13	-1,99	Homo sapiens zinc finger protein 286B (ZNF286B), mRNA [NM_001145045]
PP7080	5	2,30E-03	-2,09	1,19	-1,79	Homo sapiens hypothetical LOC25845 (PP7080), non-coding RNA [NR_024158]
SRSF8	11	3,34E-04	-2,09	1,04	-1,97	Homo sapiens

						serine/arginine-rich splicing factor 8 (SRSF8), mRNA [NM_032102]
	3	7,85E-03	-2,09	1,02	-1,86	lincRNA:chr3:171506370-171528740 reverse strand
B4GALNT2	17	3,02E-04	-2,09	-1,19	-1,97	Homo sapiens beta-1,4-N-acetyl-galactosaminyl transferase 2 (B4GALNT2), transcript variant 1, mRNA [NM_153446]
CENPK	5	4,27E-02	-2,09	-1,03	-1,69	Homo sapiens centromere protein K (CENPK), mRNA [NM_022145]
C15orf61	15	1,75E-03	-2,08	-1,03	-1,85	Homo sapiens chromosome 15 open reading frame 61 (C15orf61), mRNA [NM_001143936]
RAB40B	17	1,49E-02	-2,08	1,29	-2,04	Homo sapiens RAB40B, member RAS oncogene family (RAB40B), mRNA [NM_006822]
LMBR1	7	7,22E-04	-2,08	1,01	-1,70	Homo sapiens limb region 1 homolog (mouse) (LMBR1), mRNA [NM_022458]
CCDC99	5	2,20E-03	-2,08	-1,08	-1,91	Homo sapiens coiled-coil domain containing 99 (CCDC99), mRNA [NM_017785]
	3	2,48E-04	-2,08	1,14	-1,76	lincRNA:chr3:183165459-183170300 forward strand
	17	2,31E-02	-2,08	-1,07	-1,63	Homo sapiens cDNA FLJ31857 fis, clone NT2RP7001156. [AK056419]
	1	3,85E-02	-2,08	-1,31	-1,58	lincRNA:chr1:93796837-93806487 reverse strand
TDRD1	10	1,71E-02	-2,08	-1,18	-1,49	Homo sapiens tudor domain containing 1 (TDRD1), mRNA [NM_198795]
TMEM180	10	4,46E-03	-2,08	-1,12	-1,35	Homo sapiens transmembrane protein 180 (TMEM180), mRNA [NM_024789]
HIST1H4I	6	3,24E-03	-2,08	-1,06	-2,05	Homo sapiens histone cluster 1, H4i (HIST1H4I), mRNA [NM_003495]
		9,33E-04	-2,08	-1,06	-1,76	lincRNA:chr2:177494316-177502754 reverse strand
THY1	11	6,00E-03	-2,08	-1,00	-1,78	Homo sapiens Thy-1 cell surface antigen (THY1), mRNA [NM_006288]
PDE4D	5	1,51E-02	-2,08	-1,28	-1,93	Homo sapiens

						phosphodiesterase 4D, cAMP-specific (PDE4D), transcript variant 4, mRNA [NM_001197218]
LOC100129196	1	6,13E-03	-2,08	1,46	-2,04	Homo sapiens hypothetical LOC100129196 (LOC100129196), non-coding RNA [NR_034182]
AR	X	4,03E-02	-2,08	-1,27	-1,78	Homo sapiens androgen receptor (AR), transcript variant 1, mRNA [NM_000044]
CRAT	9	2,49E-03	-2,08	1,03	-1,74	carnitine O-acetyltransferase [Source:HGNC Symbol;Acc:2342] [ENST00000393384]
PMP22	17	1,25E-04	-2,08	1,28	-1,76	Homo sapiens peripheral myelin protein 22 (PMP22), transcript variant 1, mRNA [NM_000304]
HOXC4	12	1,57E-02	-2,08	-1,28	-1,62	Homo sapiens homeobox C4 (HOXC4), transcript variant 1, mRNA [NM_014620]
CYHR1	8	9,53E-05	-2,08	1,06	-2,02	Homo sapiens cysteine/histidine-rich 1 (CYHR1), transcript variant 2, mRNA [NM_032687]
FAM164C	14	1,28E-02	-2,07	-1,06	-1,82	Homo sapiens family with sequence similarity 164, member C (FAM164C), transcript variant 1, mRNA [NM_024643]
TRPC1	3	9,53E-04	-2,07	-1,01	-1,89	Homo sapiens transient receptor potential cation channel, subfamily C, member 1 (TRPC1), mRNA [NM_003304]
SNX30	9	5,77E-03	-2,07	-1,07	-1,99	Homo sapiens sorting nexin family member 30 (SNX30), mRNA [NM_001012994]
SNHG1	11	1,24E-03	-2,07	-1,01	-1,70	Homo sapiens small nucleolar RNA host gene 1 (non-protein coding) (SNHG1), non-coding RNA [NR_003098]
ARRDC4	15	3,17E-04	-2,07	-1,15	-2,04	Homo sapiens arrestin domain containing 4 (ARRDC4), mRNA [NM_183376]
EFNA3	1	1,66E-02	-2,07	-1,08	-2,04	Homo sapiens ephrin-A3 (EFNA3), mRNA [NM_004952]

TMEM74	8	4,73E-02	-2,07	-1,23	-2,00	Homo sapiens transmembrane protein 74 (TMEM74), mRNA [NM_153015]
MCM7	7	2,24E-02	-2,07	1,00	-1,75	Homo sapiens minichromosome maintenance complex component 7 (MCM7), transcript variant 1, mRNA [NM_005916]
FANCG	9	4,73E-03	-2,07	1,01	-1,91	Homo sapiens Fanconi anemia, complementation group G (FANCG), mRNA [NM_004629]
PLK1	16	2,14E-02	-2,07	-1,43	-1,46	Homo sapiens polo-like kinase 1 (PLK1), mRNA [NM_005030]
CCDC138	2	1,46E-02	-2,06	1,21	-1,77	Homo sapiens coiled-coil domain containing 138 (CCDC138), mRNA [NM_144978]
CHADL	22	4,32E-03	-2,06	-1,06	-1,75	Homo sapiens chondroadherin-like (CHADL), mRNA [NM_138481]
EFCAB3	17	1,57E-03	-2,06	-1,05	-1,88	Homo sapiens EF-hand calcium binding domain 3 (EFCAB3), transcript variant 1, mRNA [NM_001144933]
HSF2	6	3,03E-03	-2,06	1,02	-1,85	Homo sapiens heat shock transcription factor 2 (HSF2), transcript variant 1, mRNA [NM_004506]
	1	1,60E-02	-2,06	-1,13	-1,99	lincRNA:chr1:43431263-43452013 forward strand
SLC27A1	19	1,77E-04	-2,06	-1,07	-1,78	Homo sapiens solute carrier family 27 (fatty acid transporter), member 1 (SLC27A1), mRNA [NM_198580]
NAA16	13	3,18E-03	-2,06	-1,19	-1,77	Homo sapiens N(alpha)-acetyltransferase 16, NatA auxiliary subunit (NAA16), transcript variant 1, mRNA [NM_024561]
CCDC75	2	7,77E-05	-2,06	-1,18	-1,86	Homo sapiens coiled-coil domain containing 75 (CCDC75), mRNA [NM_174931]
MFAP5	12	1,23E-02	-2,06	-1,12	-2,03	Homo sapiens microfibrillar associated protein 5 (MFAP5), mRNA [NM_003480]
FAT4	4	2,78E-02	-2,06	1,05	-1,96	Homo sapiens FAT tumor suppressor homolog 4

						(Drosophila) (FAT4), mRNA [NM_024582]
IP6K2	3	7,71E-05	-2,06	-1,07	-2,03	Homo sapiens inositol hexakisphosphate kinase 2 (IP6K2), transcript variant 3, mRNA [NM_001005910]
TUB	11	2,46E-02	-2,06	-1,23	-2,05	Homo sapiens tubby homolog (mouse) (TUB), transcript variant 1, mRNA [NM_003320]
FSD1L	9	7,25E-03	-2,06	-1,28	-1,71	Homo sapiens fibronectin type III and SPRY domain containing 1-like (FSD1L), transcript variant 2, mRNA [NM_031919]
	5	1,06E-02	-2,06	1,05	-1,65	lincRNA:chr5:44828220-44828690 forward strand
		1,01E-02	-2,06	-1,11	-1,63	lincRNA:chr8:38616218-38630243 reverse strand
ENKUR	10	3,54E-02	-2,06	1,05	-1,29	Homo sapiens enkurin, TRPC channel interacting protein (ENKUR), mRNA [NM_145010]
UHRF1	19	3,18E-02	-2,05	1,05	-1,81	Homo sapiens ubiquitin-like with PHD and ring finger domains 1 (UHRF1), transcript variant 2, mRNA [NM_013282]
HIST1H3D	6	2,04E-03	-2,05	-1,07	-1,89	Homo sapiens histone cluster 1, H3d (HIST1H3D), mRNA [NM_003530]
XLOC_011183	15	9,87E-04	-2,05	1,03	-1,76	BROAD lincRNAs version v2 (http://www.broadinstitute.org/genome_bio/human_lincrnas/)
TK2	16	2,11E-02	-2,05	-1,05	-1,80	Homo sapiens thymidine kinase 2, mitochondrial (TK2), nuclear gene encoding mitochondrial protein, transcript variant 1, mRNA [NM_004614]
GMNN	6	1,74E-02	-2,05	1,08	-1,78	Homo sapiens geminin, DNA replication inhibitor (GMNN), mRNA [NM_015895]
	4	9,80E-05	-2,05	1,07	-1,71	lincRNA:chr4:128758375-128769050 forward strand
TYRO3P	15	1,69E-03	-2,05	-1,32	-1,96	Homo sapiens TYRO3P protein tyrosine kinase pseudogene (TYRO3P), non-

						coding RNA [NR_028510]
UST	6	4,81E-02	-2,05	-1,04	-1,77	Homo sapiens uronyl-2-sulfotransferase (UST), mRNA [NM_005715]
	X	3,01E-03	-2,05	-1,12	-1,66	lincRNA:chrX:73164675-73232924 forward strand
CDCA4	14	4,33E-04	-2,05	1,02	-1,69	Homo sapiens cell division cycle associated 4 (CDCA4), transcript variant 1, mRNA [NM_017955]
	6	1,03E-02	-2,05	-1,75	-1,48	lincRNA:chr6:29706225-29716785 reverse strand
MGC21881	9	3,71E-05	-2,05	1,03	-1,89	Homo sapiens hypothetical locus MGC21881 (MGC21881), non-coding RNA [NR_015363]
HAUS8	19	6,51E-03	-2,05	-1,00	-1,78	Homo sapiens HAUS augmin-like complex, subunit 8 (HAUS8), transcript variant 1, mRNA [NM_033417]
MIR17HG	13	1,34E-02	-2,05	-1,32	-1,52	Homo sapiens miR-17-92 cluster host gene (non-protein coding) (MIR17HG), non-coding RNA [NR_027350]
XRCC3	14	2,44E-03	-2,05	1,05	-1,66	Homo sapiens X-ray repair complementing defective repair in Chinese hamster cells 3 (XRCC3), transcript variant 1, mRNA [NM_001100119]
ABCC5	3	6,90E-06	-2,04	1,02	-1,72	Homo sapiens ATP-binding cassette, sub-family C (CFTR/MRP), member 5 (ABCC5), transcript variant 1, mRNA [NM_005688]
POLE	12	2,35E-03	-2,04	-1,30	-1,67	Homo sapiens polymerase (DNA directed), epsilon (POLE), mRNA [NM_006231]
C4orf36	4	2,05E-02	-2,04	-1,99	1,15	chromosome 4 open reading frame 36 [Source:HGNC Symbol;Acc:28386] [ENST00000503159]
FAM176A	2	8,54E-03	-2,04	1,01	-1,85	Homo sapiens family with sequence similarity 176, member A (FAM176A), transcript variant 1, mRNA

						[NM_001135032]
DAGLB	7	1,56E-03	-2,04	1,00	-2,02	Homo sapiens diacylglycerol lipase, beta (DAGLB), transcript variant 1, mRNA [NM_139179]
	2	9,64E-04	-2,04	-1,22	-1,68	lincRNA:chr2:32080274-32080721 reverse strand
	19	6,83E-04	-2,04	-1,02	-1,79	lincRNA:chr19:28284802-28288920 forward strand
KLHL11	17	2,48E-04	-2,04	-1,22	-1,76	Homo sapiens kelch-like 11 (Drosophila) (KLHL11), mRNA [NM_018143]
ZNF280B	22	3,06E-02	-2,04	-1,04	-1,60	Homo sapiens zinc finger protein 280B (ZNF280B), mRNA [NM_080764]
NRG4	15	2,13E-02	-2,04	1,01	-1,16	Homo sapiens neuregulin 4 (NRG4), mRNA [NM_138573]
CCDC8	19	5,72E-03	-2,04	1,10	-1,92	Homo sapiens coiled-coil domain containing 8 (CCDC8), mRNA [NM_032040]
LOC730020	7	3,00E-02	-2,04	1,15	-1,32	Homo sapiens cDNA FLJ25144 fis, clone CBR07272. [AK057873]
OPN3	1	1,71E-03	-2,03	-1,04	-1,83	Homo sapiens opsin 3 (OPN3), mRNA [NM_014322]
KCNC3	19	2,18E-02	-2,03	-1,33	-1,81	Homo sapiens potassium voltage-gated channel, Shaw-related subfamily, member 3 (KCNC3), mRNA [NM_004977]
CA12	15	5,18E-05	-2,03	1,20	-1,96	Homo sapiens carbonic anhydrase XII (CA12), transcript variant 1, mRNA [NM_001218]
TBX1	22	8,88E-03	-2,03	-1,04	-1,80	Homo sapiens T-box 1 (TBX1), transcript variant C, mRNA [NM_080647]
ZNF395	8	4,28E-04	-2,03	1,09	-1,82	Homo sapiens zinc finger protein 395 (ZNF395), mRNA [NM_018660]
CHAF1A	19	1,18E-02	-2,03	1,03	-1,92	Homo sapiens chromatin assembly factor 1, subunit A (p150) (CHAF1A), mRNA [NM_005483]
ZNF204P	6	4,58E-02	-2,03	-1,01	-1,70	Homo sapiens zinc finger protein 204, pseudogene (ZNF204P), non-coding RNA [NR_002722]
	3	4,83E-04	-2,03	1,02	-1,71	lincRNA:chr3:183165478-183170303 forward strand

	5	1,29E-05	-2,03	1,56	-1,81	lincRNA:chr5:131806278-131808704 forward strand
VANGL2	1	1,90E-02	-2,03	1,01	-1,95	Homo sapiens vang-like 2 (van gogh, Drosophila) (VANGL2), mRNA [NM_020335]
	15	3,86E-02	-2,03	-2,09	-1,25	lincRNA:chr15:96838163-96841252 reverse strand
PAIP2B	2	1,45E-05	-2,03	-1,10	-1,82	Homo sapiens poly(A) binding protein interacting protein 2B (PAIP2B), mRNA [NM_020459]
	8	9,99E-03	-2,03	-1,24	-1,41	lincRNA:chr8:102193085-102195404 reverse strand
LOC729678	5	1,73E-03	-2,03	1,06	-1,92	Homo sapiens hypothetical LOC729678 (LOC729678), non-coding RNA [NR_027183]
ENTPD3	3	2,63E-04	-2,03	1,11	-2,02	Homo sapiens ectonucleoside triphosphate diphosphohydrolase 3 (ENTPD3), mRNA [NM_001248]
TP53TG3	16	2,01E-02	-2,03	-1,18	-1,55	Homo sapiens TP53 target 3 (TP53TG3), mRNA [NM_016212]
CHRM3	1	3,34E-02	-2,03	-1,03	-1,86	Homo sapiens cholinergic receptor, muscarinic 3 (CHRM3), mRNA [NM_000740]
CCDC75	2	3,46E-04	-2,03	-1,12	-1,85	Homo sapiens coiled-coil domain containing 75 (CCDC75), mRNA [NM_174931]
LOC55908	19	2,42E-02	-2,03	-1,60	1,68	Homo sapiens hepatocellular carcinoma-associated gene TD26 (LOC55908), mRNA [NM_018687]
PLEKHM3	2	1,86E-04	-2,02	1,11	-1,74	Homo sapiens pleckstrin homology domain containing, family M, member 3 (PLEKHM3), mRNA [NM_001080475]
	11	6,29E-03	-2,02	-1,02	-1,84	lincRNA:chr11:133767609-133771496 reverse strand
IQSEC1	3	1,66E-04	-2,02	1,01	-1,84	Homo sapiens IQ motif and Sec7 domain 1 (IQSEC1), transcript variant 1, mRNA [NM_001134382]
KLHL25	15	1,76E-03	-2,02	-1,26	-1,95	Homo sapiens kelch-like 25 (Drosophila) (KLHL25), mRNA [NM_022480]

PTPRD	9	3,47E-02	-2,02	-1,16	-1,50	Homo sapiens protein tyrosine phosphatase, receptor type, D (PTPRD), transcript variant 1, mRNA [NM_002839]
A1BG	19	4,43E-03	-2,02	-1,03	-1,78	Homo sapiens alpha-1-B glycoprotein (A1BG), mRNA [NM_130786]
PSG10P	19	3,46E-03	-2,02	-1,13	-1,77	Human processed pseudo-pregnancy-specific glycoprotein (PSG12) gene, exon B2C containing 3' untranslated regions of 2 alternative splice sites C1 and C2. [L14723]
FLYWCH1	16	1,36E-04	-2,02	1,02	-1,74	Homo sapiens FLYWCH-type zinc finger 1 (FLYWCH1), transcript variant 1, mRNA [NM_032296]
ZNF568	19	2,48E-02	-2,02	-1,57	-1,67	Homo sapiens zinc finger protein 568 (ZNF568), transcript variant 1, mRNA [NM_198539]
KATNAL2	18	9,52E-03	-2,02	-1,59	-1,60	Homo sapiens katanin p60 subunit A-like 2 (KATNAL2), mRNA [NM_031303]
GTPBP3	19	3,01E-04	-2,01	-1,11	-1,75	Homo sapiens GTP binding protein 3 (mitochondrial) (GTPBP3), nuclear gene encoding mitochondrial protein, transcript variant IV, mRNA [NM_133644]
	4	2,19E-03	-2,01	-1,22	-1,93	lincRNA:chr4:53579065-53580304 reverse strand
CDR2L	17	3,47E-02	-2,01	-1,35	-1,71	Homo sapiens cerebellar degeneration-related protein 2-like (CDR2L), mRNA [NM_014603]
SIX4	14	8,67E-04	-2,01	-1,08	-1,66	Homo sapiens SIX homeobox 4 (SIX4), mRNA [NM_017420]
CKLF	16	1,72E-02	-2,01	-1,11	-1,65	Homo sapiens chemokine-like factor (CKLF), transcript variant 1, mRNA [NM_016951]
ADNP	20	1,43E-04	-2,01	1,01	-1,65	activity-dependent neuroprotector homeobox [Source:HGNC Symbol;Acc:15766] [ENST00000349014]
CTNNAL1	9	3,29E-02	-2,01	-1,18	-1,85	Homo sapiens catenin (cadherin-associated protein),

						alpha-like 1 (CTNNAL1), mRNA [NM_003798]
CA10	17	3,34E-02	-2,01	1,15	-1,65	Homo sapiens carbonic anhydrase X (CA10), transcript variant 2, mRNA [NM_020178]
ZNF846	19	1,54E-02	-2,01	-1,28	-1,76	Homo sapiens zinc finger protein 846 (ZNF846), mRNA [NM_001077624]
ASB13	10	6,04E-03	-2,01	1,08	-1,89	Homo sapiens ankyrin repeat and SOCS box containing 13 (ASB13), transcript variant 1, mRNA [NM_024701]
ITGBL1	13	7,84E-03	-2,00	-1,06	-1,72	Homo sapiens integrin, beta-like 1 (with EGF-like repeat domains) (ITGBL1), mRNA [NM_004791]
LOC644727	8	9,09E-03	-2,00	-1,17	-1,80	Homo sapiens cDNA FLJ38652 fis, clone HHDPC2008843. [AK095971]
CIT	12	3,11E-02	-2,00	-1,11	-1,64	Homo sapiens citron (rho-interacting, serine/threonine kinase 21) (CIT), transcript variant 2, mRNA [NM_007174]
	4	2,69E-03	-2,00	1,05	-1,77	lincRNA:chr4:128758375-128769050 forward strand
DHFRL1	3	1,97E-03	-2,00	1,15	-1,72	Homo sapiens dihydrofolate reductase-like 1 (DHFRL1), transcript variant 1, mRNA [NM_001195643]
	1	4,00E-02	-2,00	-1,02	-1,63	Homo sapiens, clone IMAGE:6155889, mRNA. [BC043411]