

Letter to the Editor

Circulating innate lymphoid cells are differentially regulated in allergic and nonallergic subjects

To the Editor:

A new family of lymphocyte-like cells, termed innate lymphoid cells (ILCs), lacking a specific antigen receptor, belonging to the innate immune system, and with a likely proinflammatory role in allergic rhinoconjunctivitis and asthma has been described recently.^{1,2} ILCs are currently subdivided into 3 subsets, ILC1s, ILC2s, and ILC3s, based on specific patterns of cytokine production matching those of polarized CD4⁺ T lymphocytes.¹ To better understand the dynamics of circulating ILCs in human subjects, we studied the frequencies, phenotypes, and functions of ILC1s, ILC2s, and ILC3s in the peripheral blood of allergic patients with rhinoconjunctivitis (associated or not with asthma), as well as in samples from nonallergic control subjects. We also monitored ILC subsets in patients with grass pollen allergy receiving allergen immunotherapy (AIT).

PBMCs were obtained from 63 adult patients with allergic rhinoconjunctivitis and 18 nonallergic subjects, as described in Table E1 in this article's Online Repository at www.jacionline.org. Freshly isolated PBMCs were stained with fluorescently labeled anti-CD45, anti-CD117, anti-CD127, and anti-chemoattractant receptor-homologous molecule expressed on T_H2 lymphocyte (CRTH2) antibodies and a lineage cocktail comprising anti-CD3, anti-CD11c, anti-CD14, anti-CD16, anti-CD20, anti-CD34, anti-CD56, anti-CD123, and anti-T-cell receptor α/β antibodies (see the Methods section in this article's Online Repository at www.jacionline.org). Total ILCs were identified as CD45⁺ cells negative for lineage markers and positive for CD127. ILC2s are CRTH2⁺, whereas ILC1s and ILC3s are defined as CRTH2⁻CD117⁻ and CRTH2⁻CD117⁺ cells, respectively (Fig 1, A).^{1,3}

In a first set of experiments, we observed that frequencies of ILC subsets are similar in PBMCs of allergic subjects when compared with those of nonallergic control subjects (Fig 1, B). The presence of high numbers of ILC2s in the blood of nonallergic subjects is intriguing but consistent with the notion that such cells mediate some beneficial activities, including regulation of adipose function⁴ and repair of damaged tissues.⁵ However, stratifying allergic patients according to their asthma status revealed that higher numbers of circulating ILC2s and ILC3s ($P < .05$) are found in patients with asthma (Global Initiative for Asthma [GINA] step 1) compared with those without asthma (Fig 1, B). The higher frequencies of ILC2s and ILC3s in the blood of asthmatic patients relative to nonasthmatic subjects might reflect the expansion of those cells before homing to the inflamed lower airways. In contrast, frequencies of ILC1s were not statistically different between allergic subjects with or without asthma and nonallergic control subjects (see Fig E1, A, in this article's Online Repository at www.jacionline.org).

The analysis of cytokine production after *in vitro* stimulation with phorbol 12-myristate 13-acetate and ionomycin revealed that ILC1s from patients with allergic rhinoconjunctivitis produce less IFN- γ compared with cells from nonallergic subjects (Fig 1, C). No differences were observed between groups in terms of IL-4 and IL-13 production by ILC2s or IL-22 production by ILC3s (see Fig E1, B).

To further explore ILC2 functions, we performed a whole-transcriptome analysis using total RNA sequencing of blood ILC2s sorted from 3 allergic patients and 3 nonallergic subjects (see Table E2 in this article's Online Repository at www.jacionline.org). Interestingly, we observed an upregulation of *FOS*, *FOSB*, and *JUN* genes (whose products assemble to form the proinflammatory activator protein 1 molecule) in ILC2s from allergic patients (Fig 1, D). In contrast, ILC2s from nonallergic subjects express higher levels of the *NKG7*, *SOCS1*, and *TBX21* genes (Fig 1, D), which are known to downregulate T_H2-associated transcriptional programs⁶ and, more generally, inflammatory responses. Collectively, these results establish that blood ILC1s and ILC2s from allergic and nonallergic subjects exhibit distinct functional properties.

To compare the effect of allergen exposure on blood ILC2 frequencies⁷ in allergic and nonallergic subjects, we measured peripheral ILC counts during and out of the grass pollen season in those 2 populations. ILC2 and ILC3 frequencies were significantly increased ($P < .05$) by 2-fold during the grass pollen season only in patients sensitized to grass pollen allergens (Fig 1, E, GP IgE⁺) but not in those unsensitized to grass pollen allergens (Fig 1, E, GP IgE⁻) or nonallergic control subjects. It is noteworthy that ILC1 blood counts were not modulated by seasonal allergen exposure (see Fig E1, C), and furthermore, no significant alterations in patterns of cytokine production by ILC1s, ILC2s, or ILC3s were noticed during the pollen season (see Fig E1, D).

We subsequently investigated potential differences in surface expression of receptors controlling the homing of blood ILCs to tissues. To this aim, we compared the expression of several chemokine receptors, including CCR4 (involved in the trafficking of T_H2 cells⁸) and CCR10 (a skin-homing receptor overexpressed by CD4⁺ T cells of patients with atopic dermatitis⁹) on circulating ILC subsets from nonallergic subjects ($n = 7$), as well as allergic patients with either no ($n = 10$), mild (GINA step 1, $n = 14$), or severe asthma (GINA step 4, $n = 9$). When compared with nonallergic subjects, CCR10 expression was significantly higher at the surface of ILC2s from allergic patients ($P < .0001$), including those with mild asthma ($P < .01$) and even further in those with more severe asthma ($P < .001$; Fig 1, F). In contrast, CCR4 expression in ILC2s was similar in all groups (Fig 1, F). The expression of CCR4 and CCR10 by ILC1s and ILC3s was comparable between allergic and nonallergic subjects (see Fig E2 in this article's Online Repository at www.jacionline.org).

Altogether, these observations might reflect enhanced capacities of ILC2s from allergic patients to migrate to tissues. Specifically, in asthmatic patients, blood CCR10⁺ ILC2s could represent a subset of cells with a higher propensity to migrate to the lungs. This hypothesis is consistent with recent evidence that blood ILCs replenish the pool of tissue-resident ILCs in a mouse model of helminth infection.¹⁰

Subsequently, we investigated ILC subset frequencies in the blood of patients with grass pollen-induced rhinoconjunctivitis receiving sublingual AIT for 4 months in the context of a double-blind, placebo-controlled study performed in a challenge chamber.¹¹ In this trial circulating ILCs were monitored in 11 and 13 subjects who received active or placebo tablets, respectively, before and after 2 and 4 months of AIT. Both patients undergoing active and those undergoing placebo treatments exhibited a minor

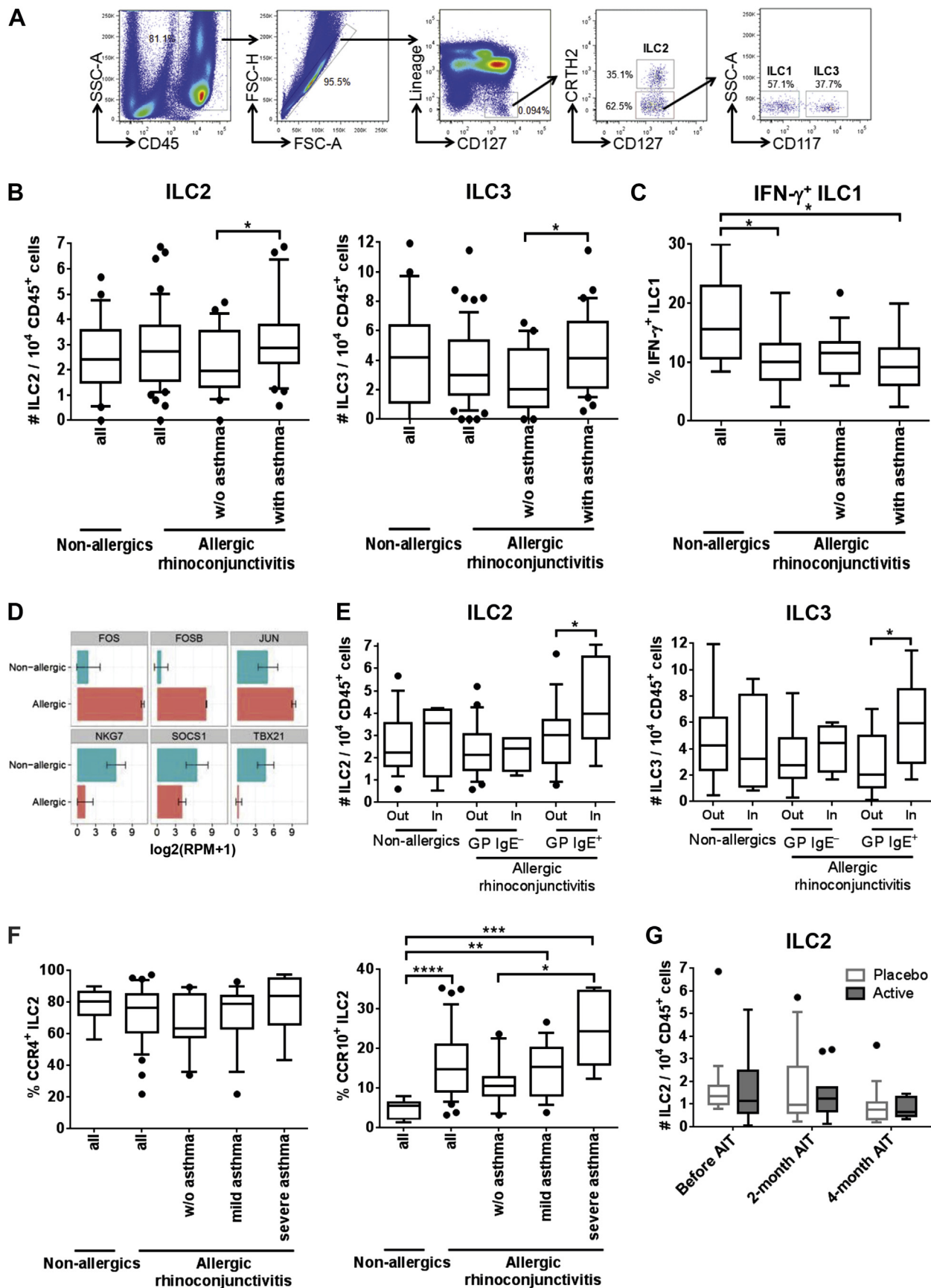


FIG 1. A and B, Frequencies of circulating ILC1s, ILC2s, and ILC3s assessed by using flow cytometry in allergic and nonallergic donors. FSC, Forward scatter; SSC, side scatter. C, IFN- γ production by ILC1s. D, Gene expression in ILC2s from allergic (orange) and nonallergic subjects (blue). E, ILC2 and ILC3 frequencies during (In) and out of the grass pollen season. F, CCR4⁺ and CCR10⁺ expression by ILC2s. G, ILC2 frequencies in patients receiving AIT. * $P < .05$, ** $P < .01$, *** $P < .001$, and **** $P < .0001$.

progressive decrease in circulating ILC2 counts in the 4-month timeframe, likely because of the absence of sustained exposure to grass pollen in the airways due to the study being conducted out of the pollen season (Fig 1, G). Frequencies of blood ILCs were never significantly different before or after 2 or 4 months of AIT between patients from the active and placebo groups (Fig 1, G). As a confirmation, no significant correlations were observed during AIT between changes in ILC2 frequencies and improvement in clinical scores at an individual patient level (see Fig E3, A, in this article's Online Repository at www.jacionline.org). The ability of ILC2s to produce IL-4 and IL-13 was not modified by AIT (see Fig E3, B). Similarly, we did not detect any significant changes in ILC1 and ILC3 blood frequencies or function in the course of AIT (see Fig E3, C).

We conclude that a 4-month AIT has no significant effect on circulating ILCs, despite clinical benefit. Obviously, our results do not preclude that a longer course of AIT could modulate ILC blood frequencies. Because our study was performed outside of the pollen season, our data do not oppose the recent observation that AIT can blunt the upregulation of blood ILC2s induced by seasonal allergen exposure.¹²

Altogether, we provide evidence for multiple differences in the regulation of circulating ILCs between allergic and nonallergic subjects. In the context of allergy, the regulation of circulating ILCs appears complex because it relates to both allergic disease severity and natural allergen exposure, thereby likely reflecting changes in the balance between distinct pools of ILCs in the blood and in tissues in response to the allergen. Given the growing evidence for a role of ILCs in allergic airway inflammation, it will be of great interest to further assess the frequencies, patterns of gene expression, functions, and trafficking of those cells, most particularly CCR10⁺ ILC2s, in patients with severe asthma.

We thank Valérie Vignali and Albane Laparra from the Clinical Investigation Center of the Bichat-Claude Bernard Hospital for excellent sample management.

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Disclosure of potential conflict of interest: V. Lombardi, C. Beuraud, S. Horiot, S. Luce, V. Baron-Bodo, and P. Moingeon are employees of Stallergenes. C. Neukirch has received consulting fees from ALK-Abelló and Stallergenes. H. Moussu and L. Morizur are former employees of Stallergenes. E. Wambre receives research funding from the National Institute of Health (NIH). P. Linsley receives research funding from the NIH. M. Aubier receives research funding from Boston Scientific, GlaxoSmithKline, AstraZeneca, and Roche; has received consulting fees from Boston Scientific and Roche; and has received fees from review activities from Boston Scientific and Novartis. S. Chollet-Martin declares no relevant conflicts of interest.

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<http://dx.doi.org/10.1016/j.jaci.2015.12.1325>

Supplementary Figure legends

Supplementary Figure 1: (A) Frequencies of circulating ILC1s in allergic and in non-allergic individuals. (B) Production of IL-4 and IL-13 by ILC2s and IL-22 by ILC3s. (C) Frequencies of blood ILC1s and (D) cytokine production by ILC1s, ILC2s and ILC3s during and outside the pollen season in allergic patients sensitized (GP IgE⁺) or not (GP IgE⁻) to grass pollen and in non-allergic subjects.

Supplementary Figure 2: Surface expression of CCR4 and CCR10 by ILC1s and ILC3s in patients with allergic rhinoconjunctivitis and in non-allergic subjects.

Supplementary Figure 3: (A) Spearman correlations at an individual patient level between ILC2 frequencies and percentages of improvement of the clinical scores [Allergic Rhinitis Total Symptoms Score (ARTSS)] after 4 months of AIT. (B) Percentages of IL-4 and IL-13-producing ILC2s and (C) frequencies of ILC1s and ILC3s in grass pollen patients treated with placebo or grass pollen AIT tablets for 4 months.

Supplementary methods

Samples from allergic and non-allergic individuals

Blood samples from 63 allergic and 18 non-allergic individuals were collected at the Bichat-Claude Bernard Hospital (Paris, France) after approval of the study protocol (ref. #120147-30) by an ethical committee and regulatory authorities. Allergic patients (18 to 75 years of age) had documented symptoms of respiratory allergy, with confirmed IgE sensitization to allergens from either *Dermatophagoides pteronyssinus*, *D. farinae*, grass or ragweed pollens, cat or dog danders, cockroach or *Aspergillus fumigatus*. Positive sensitization was established based on a skin prick test wheal size ≥ 3 mm wider than the negative control (vehicle), and / or allergen-specific serum IgE levels ≥ 0.35 kU/L measured by ImmunoCAP (Thermo Fisher Scientific, Saint Quentin en Yvelines, France). Control non-allergic individuals were always asymptomatic to any of the aforementioned allergens, even if some (n=4 out of 18) were IgE-sensitized with IgE titers ≥ 0.35 kU/L. Subjects with immune disorders or receiving either anti-IgE antibodies, AIT or injected/oral corticosteroids were excluded. Treatment with inhaled corticosteroids was accepted for allergic patients. Allergic rhinoconjunctivitis severity (intermittent, mild persistent, or moderate to severe persistent) was evaluated based on the ARIA classification¹. Asthma status was defined according to GINA guidelines². In addition, 9 patients with severe asthma (GINA=4) from the COBRA cohort were included in order to assess the expression of CCR4 and CCR10 at the surface of circulating ILC2s.

For the monitoring of blood ILC numbers in AIT-treated patients, PBMC samples were obtained from 24 grass pollen-allergic patients enrolled in a double-blind, placebo controlled study (VO56.07A, clinicaltrial.gov NCT00619827), before and after 2 or 4 months of sublingual AIT with grass pollen or placebo tablets (Stallergenes, Antony, France)³. This trial was performed outside of the pollen season in an allergen challenge chamber. The patients' clinical responses were evaluated by comparing the Average Rhinoconjunctivitis Symptom Scores (ARTSS) before and after 4 months of treatment.

Phenotypic and functional analyses of ILCs

For surface phenotyping, ILCs were stained with Fluorescein isothiocyanate (FITC)-conjugated anti-CD45 (HI30, Biosciences, San Diego, CA), Brilliant Violet 421-conjugated anti-CD117 (YB5.B8, Biolegend, San Diego, CA), Phycoerythrin (PE) or PE-Cyanine 7 (PE-Cy7)-conjugated anti-CD127 (M15-18C9, Miltenyi Biotec, Bergisch Gladbach, Germany), PerCP-Cy5.5-conjugated anti-CD294 (CRTH2, BM16, BD Biosciences), PE-Cy7-conjugated anti-CCR4 (1G1, BD Biosciences), APC-conjugated anti-CCR10 (314305, R&D Systems, Lille, France) antibodies, as well as a lineage cocktail conjugated with Viogreen or Brilliant Violet 510 comprising both anti-CD3 (BW264/56), anti-CD14 (TÜK4), anti-CD16 (VEP13), anti-CD20 (LT20) (all from Miltenyi Biotec), anti-CD34 (581) antibodies (from Biolegend), anti-CD11c (B-ly6), anti-CD56 (NCAM16.2), anti-CD123 (9F5) and anti-TCR- $\alpha\beta$ (T10B9.1A-31) antibodies (from BD Biosciences). In order to assess cytokine production, PBMCs were stimulated with Phorbol 12-myristate 13-acetate (PMA) and Ionomycin (5 and 500 ng/mL respectively, Sigma, St. Louis, MO) for 6 hours in presence of Monensin (10 ng/mL, GolgiStop, BD Bioscience) for the last 4 hours. Cytokines were detected with the Intracellular Fixation and Permeabilization Buffer Set (eBioscience), as per the manufacturer's protocol, by using APC-eFluor 710-conjugated anti-IFN- γ (4S.B3, eBioscience) or APC-conjugated anti-IL-4 (8D4-8, eBioscience) / PE-conjugated anti-IL-13 (JES10-5A2, BD Biosciences) or PerCP-eFluor 710-conjugated anti-IL-22 (22URTI, eBioscience) antibodies, or corresponding isotypes as controls. Cells were acquired using a BD FACSVerse apparatus and data were analyzed with the FlowJo software (TreeStar, Ashland, OR). All analyses were performed on samples blinded to the operators.

Comparative transcriptome analyses of ILC2s were performed on blood samples obtained from 3 allergic patients and 3 non-allergic controls recruited at the Virginia Mason Medical Center (Seattle, Washington) after providing written consent as part of an institutional review board-approved study. cDNAs were prepared from ~1000 cells of each of the indicated populations using the SMARTer® Ultra™ Low Input RNA Kit for Sequencing – v3 (Clontech). Nextera cDNA libraries (Illumina) were made, amplified and “barcoded”, and sequenced on a HiSeq 2500 System (Illumina). Sequencing reads were de-multiplexed, mapped to human ENSEMBLE gene models and transcript counts tabulated⁴. Quality of sequence was ensured by monitoring 5'-3' gene coverage and high percentage alignment to the human genome⁵. Finally, counts were normalized between samples using the TMM option

of the edgeR package for R⁶. Differential gene expression was also measured using the edgeR package.

Statistical analyses

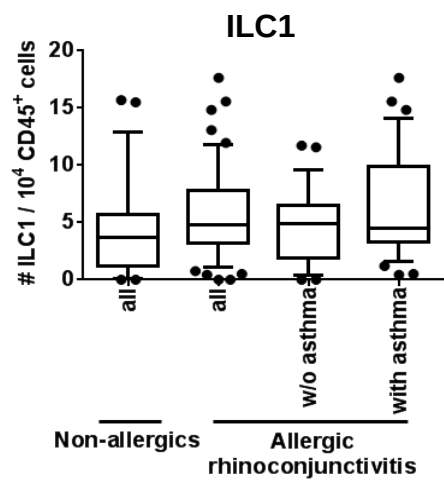
Data are represented as box plots with the box extending from the 25th to 75th percentiles, the median figured out within the box, and whiskers drawn down to the 10th percentile and up to the 90th percentile. Statistical differences between two groups were assessed using the Mann-Whitney and Wilcoxon tests for unpaired and paired data, respectively. To compare three groups or more, Kruskal-Wallis or Friedman tests were used for unpaired and paired data, respectively, along with Dunn's multiple comparison tests. A p-value < 0.05 was considered as significant. Correlations were evaluated using a Spearman test. * p<0.05, ** p<0.01, *** p<0.001, **** p<0.0001. These analyses were carried out with the Prism 6 software (GraphPad Software Inc., La Jolla, CA).

Supplementary References

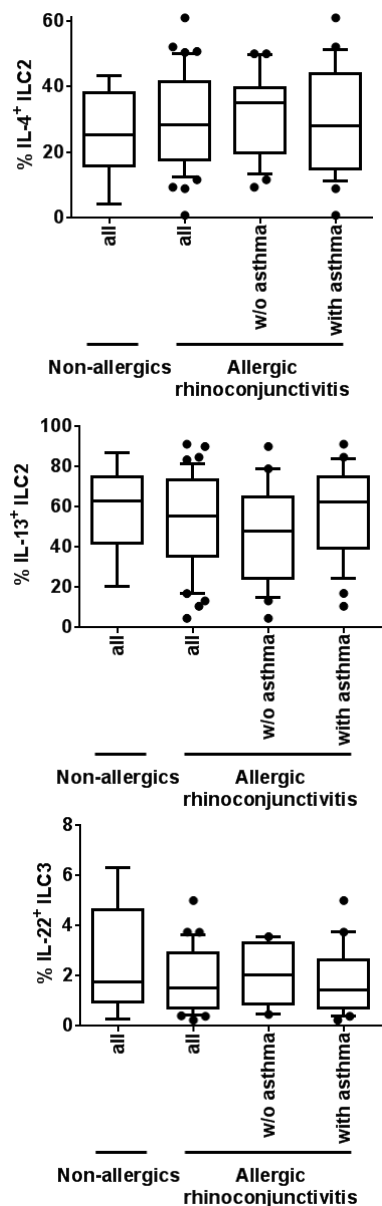
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Supplementary Figure 1

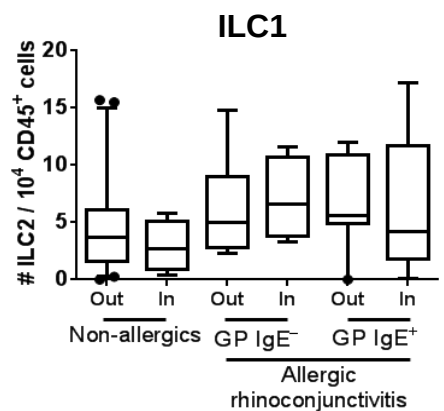
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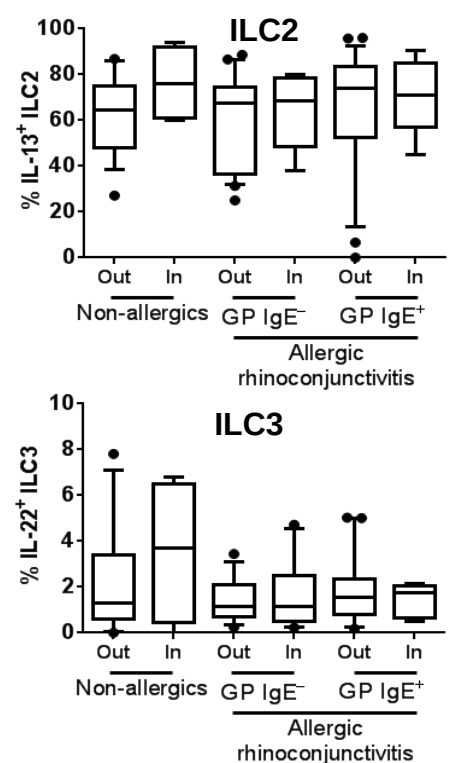
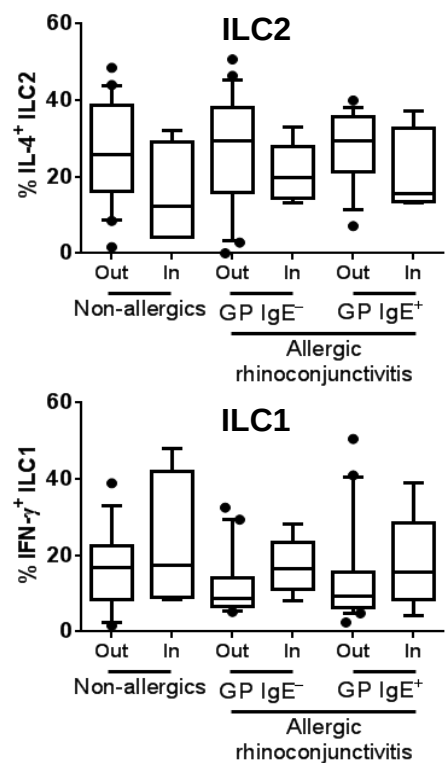
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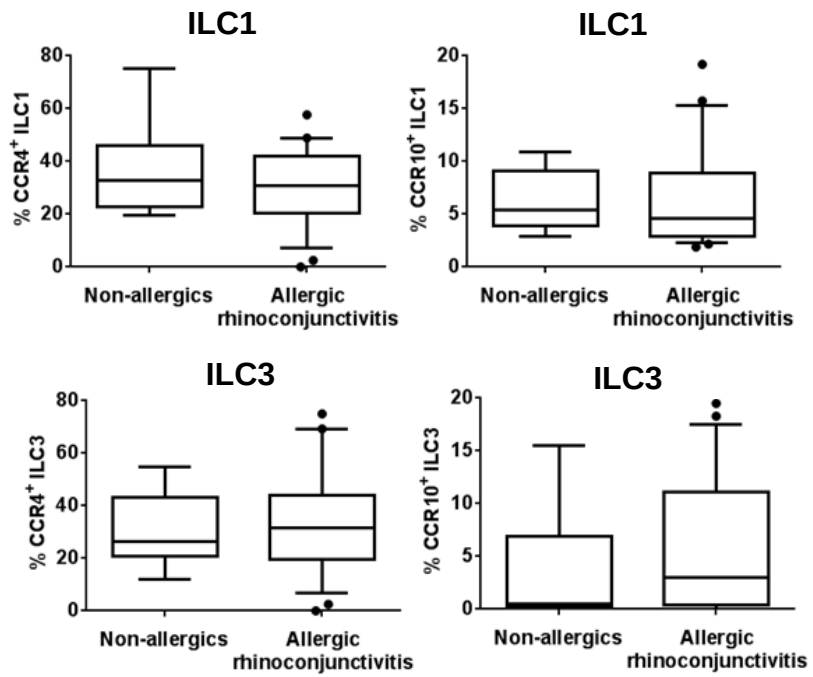
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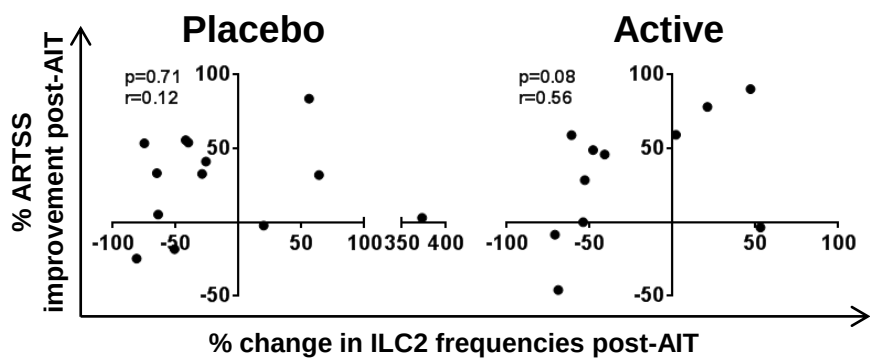


Supplementary Figure 2

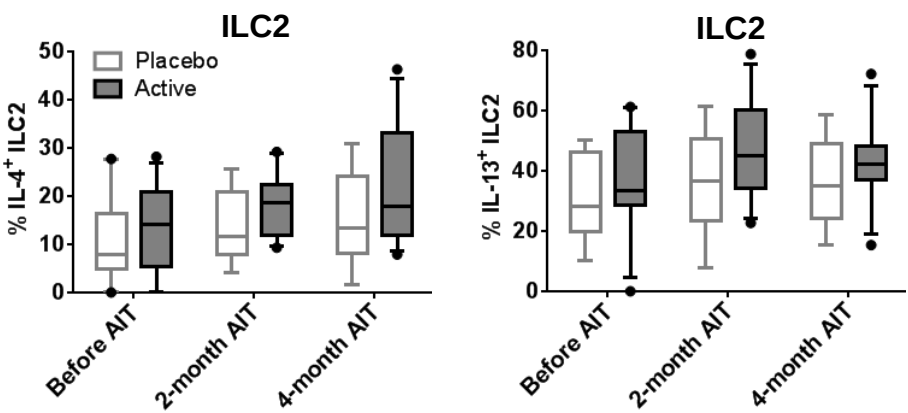


Supplementary Figure 3

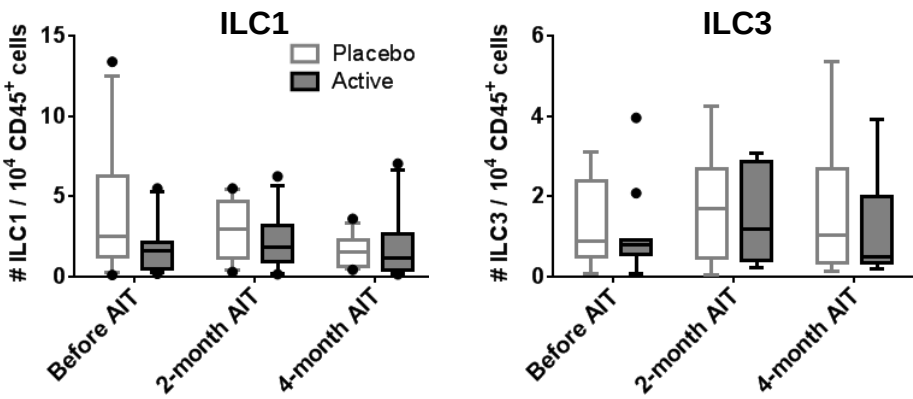
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Supplementary Table 1

Characteristics		Allergic Rhinoconjunctivitis patients	Non-allergic subjects
Number (n)		63	18
Age (years, mean $\pm$ SEM)		32.5 $\pm$ 2.8	36.6 $\pm$ 3
Female (n)		39	11
Male (n)		24	7
Allergic Rhinoconjunctivitis Severity (%)	Intermittent	36.1	0
	Mild persistent	32.1	0
	Moderate to severe persistent	31.8	0
Allergic Rhinoconjunctivitis Status (%)	Improving	19.2	0
	Stable	60.6	0
	Aggravating	20.2	0
Asthma Status (%)	Asthmatic	54.5	0
IgE sensitization (%)	D. pteronyssinus	57.2	16.6
	Grass pollen	56.5	16.6
	Birch pollen	39.8	0
	Ragweed pollen	15.2	0

#	Gene	logFC	logCPM	PValue	FDR	Description	Location	Family
1	FOS	8,322	9,721	2,01E-40	2,41E-36	FBI murine osteosarcoma viral oncogene homolog	Nucleus	transcription regulator
2	FOSB	7,952	7,074	2,58E-33	1,55E-29	FBI murine osteosarcoma viral oncogene homolog B	Nucleus	transcription regulator
3	DUSP1	4,455	9,623	1,69E-31	5,08E-28	dual specificity phosphatase 1	Nucleus	phosphatase
4	SLAMF7	-10,217	6,253	2,53E-23	6,08E-20	SLAM family member 7	Plasma Membrane	other
5	GBP5	-6,781	7,469	4,53E-22	9,07E-19	guanylate binding protein 5	Plasma Membrane	enzyme
6	LGALS12	8,564	6,203	1,39E-19	2,38E-16	lectin, galactoside-binding, soluble, 12	Extracellular Space	other
7	HMOX1	-9,848	5,895	1,75E-17	2,62E-14	heme oxygenase 1	Cytoplasm	enzyme
8	MIR210HG	7,613	6,000	2,02E-16	2,69E-13	MIR210 host gene	Other	other
9	TXNRD1	-3,222	8,729	1,66E-14	2,00E-11	thioredoxin reductase 1	Cytoplasm	enzyme
10	PPPIA4	7,061	5,109	5,78E-11	6,32E-08	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (Iiprin), alpha 4	Plasma Membrane	phosphatase
11	PAHA1	2,999	7,596	2,57E-10	2,57E-07	prolyl 4-hydroxylase, alpha polypeptide 1	Cytoplasm	enzyme
12	MX2	3,478	6,490	3,30E-10	3,05E-07	MX dynamin-like GTPase 2	Nucleus	enzyme
13	ZFP36	2,229	8,947	4,76E-10	4,09E-07	ZFP36 ring finger protein	Nucleus	transcription regulator
14	GBP1	-4,106	8,350	1,52E-09	1,22E-06	guanylate binding protein 1, interferon-inducible	Cytoplasm	enzyme
15	JUN	3,667	8,387	5,28E-09	3,97E-06	jun proto-oncogene	Nucleus	transcription regulator
16	NGK7	-5,765	5,997	6,14E-09	4,34E-06	natural killer cell granule protein 7	Plasma Membrane	other
17	WARS	-3,578	9,063	7,22E-09	4,82E-06	tryptophanyl-tRNA synthetase	Cytoplasm	enzyme
18	NLRCS	-2,197	7,622	8,86E-09	5,32E-06	NLR family, CARD domain containing 5	Cytoplasm	transcription regulator
19	PSAT1	-5,070	6,730	8,52E-09	5,32E-06	phosphoserine aminotransferase 1	Cytoplasm	enzyme
20	ASB2	-9,473	5,524	9,48E-09	5,42E-06	ankyrin repeat and SOCS box containing 2	Nucleus	transcription regulator
21	UTRN	2,159	8,261	1,14E-08	6,20E-06	utrophin	Plasma Membrane	transmembrane receptor
22	AK4	5,686	5,127	1,38E-08	6,93E-06	adenylate kinase 4	Cytoplasm	kinase
23	ALDOC	3,258	6,641	1,36E-08	6,93E-06	aldolase C, fructose-bisphosphate	Cytoplasm	enzyme
24	TMEM71	3,594	6,896	1,44E-08	6,93E-06	transmembrane protein 71	Other	other
25	TARS	-2,008	8,103	2,59E-08	1,20E-05	threonyl-tRNA synthetase	Nucleus	enzyme
26	DNAJB4	-3,331	6,042	3,03E-08	1,35E-05	DnaJ (Hsp40) homolog, subfamily B, member 4	Nucleus	other
27	ITGA1	-3,179	7,580	3,46E-08	1,49E-05	integrin, alpha 1	Plasma Membrane	other
28	SPP1	9,175	5,252	6,08E-08	2,52E-05	secreted phosphoprotein 1	Extracellular Space	cytokine
29	FAAH2	2,402	6,953	8,20E-08	3,28E-05	fatty acid amide hydrolase 2	Other	enzyme
30	SFXH3	3,962	5,316	9,30E-08	3,61E-05	sideroflexin 3	Cytoplasm	transporter
31	EGR1	4,820	5,003	1,21E-07	4,56E-05	early growth response 1	Nucleus	transcription regulator
32	NRA1	6,521	4,480	1,32E-07	4,80E-05	nuclear receptor subfamily 4, group A, member 1	Nucleus	ligand-dependent nuclear receptor
33	BNIP3L	2,021	8,308	1,39E-07	4,90E-05	BC12/adenovirus E18 19kDa interacting protein 3-like	Cytoplasm	other
34	PLEK	-3,629	6,507	1,61E-07	5,53E-05	pleckstrin	Cytoplasm	other
35	AARS	-1,966	8,057	3,24E-07	0,0001	alanyl-tRNA synthetase	Cytoplasm	enzyme
36	NQO1	-4,908	6,269	3,26E-07	0,0001	NAD(P)H dehydrogenase, quinone 1	Cytoplasm	enzyme
37	MFSO2A	-8,259	4,395	3,26E-07	0,0001	major facilitator superfamily domain containing 2A	Plasma Membrane	transporter
38	HSPH1	-1,834	8,196	4,76E-07	0,00015	heat shock 105kDa/110kDa protein 1	Cytoplasm	other
39	CD59	-2,315	6,960	5,36E-07	0,00016	CD59 molecule, complement regulatory protein	Plasma Membrane	other
40	TPSN33	-8,117	4,265	6,32E-07	0,00019	tetraspanin 33	Plasma Membrane	other
41	CD300A	2,722	6,215	7,65E-07	0,00022	CD300a molecule	Plasma Membrane	transmembrane receptor
42	ARRDC3	-2,776	7,995	7,74E-07	0,00022	arrestin domain containing 3	Plasma Membrane	other
43	MARS	-1,697	8,672	1,05E-06	0,00029	methionyl-tRNA synthetase	Cytoplasm	enzyme
44	GCLM	-2,300	6,897	1,44E-06	0,00038	glutamate-cysteine ligase, modifier subunit	Cytoplasm	enzyme
45	SMAD7	2,227	6,843	1,84E-06	0,00048	SMAD family member 7	Nucleus	transcription regulator
46	TNFAIP3	1,703	10,042	1,97E-06	0,0005	tumor necrosis factor, alpha-induced protein 3	Nucleus	enzyme
47	SLCSA3	-1,778	7,812	2,11E-06	0,00053	solute carrier family 5 (sodium/myo-inositol cotransporter), member 3	Plasma Membrane	transporter
48	RASGEF1B	2,994	6,124	2,98E-06	0,00073	RasGEF domain family, member 1B	Other	other
49	PLA2G16	2,211	6,454	4,04E-06	0,00097	phospholipase A2, group XVI	Nucleus	enzyme
50	TACC3	2,351	6,577	4,65E-06	0,0011	transforming, acidic coiled-coil containing protein 3	Nucleus	other
51	APOL6	-2,154	8,408	5,72E-06	0,00132	apolipoprotein L 6	Extracellular Space	transporter
52	RNF125	1,670	7,474	6,01E-06	0,00136	ring finger protein 125, E3 ubiquitin protein ligase	Other	other
53	CDH1	-8,114	4,265	6,32E-06	0,00141	cadherin 1, type 1, E-cadherin (epithelial)	Plasma Membrane	other
54	DGKH	2,143	6,917	7,07E-06	0,00154	diacylglycerol kinase, eta	Cytoplasm	kinase
55	FEZ1	-6,229	5,210	7,21E-06	0,00155	trascirculation and elongation protein zeta 1 (zyglin I)	Cytoplasm	other
56	ME1	-7,594	3,805	7,93E-06	0,00167	malic enzyme 1, NAD(P)+-dependent, cytosolic	Cytoplasm	enzyme
57	GBP4	-2,575	8,113	8,29E-06	0,00172	guanylate binding protein 4	Cytoplasm	enzyme
58	KLF10	1,611	8,724	8,71E-06	0,00178	Kruppel-like factor 10	Nucleus	transcription regulator
59	FOSL2	3,276	7,549	1,06E-05	0,00195	FOS-like antigen 2	Nucleus	transcription regulator
60	TMEM2	1,708	7,676	1,00E-05	0,00195	transmembrane protein 2	Cytoplasm	other
61	PRDX1	-1,701	7,381	1,04E-05	0,00195	peroxiredoxin 1	Cytoplasm	enzyme
62	STAT1	-2,708	9,668	1,02E-05	0,00195	signal transducer and activator of transcription 1, 91kDa	Nucleus	transcription regulator
63	SLC7A5	-3,164	5,440	1,02E-05	0,00195	solute carrier family 7 (amino acid transporter light chain, L system), member 5	Plasma Membrane	transporter
64	MIR155HG	-3,521	6,409	1,04E-05	0,00195	MIR155 host gene	Other	other
65	TOMM34	-2,245	6,244	1,29E-05	0,00236	translocase of outer mitochondrial membrane 34	Cytoplasm	other
66	LRP8	-3,292	5,112	1,31E-05	0,00236	low density lipoprotein receptor-related protein 8, apolipoprotein e receptor	Plasma Membrane	transmembrane receptor
67	TBX21	-6,466	4,271	1,36E-05	0,0024	T-box 21	Nucleus	transcription regulator
68	TGB2	1,362	7,862	1,52E-05	0,00262	heggin, beta 2 (complement component 3 receptor 3 and 4 subunit)	Plasma Membrane	transmembrane receptor
69	NARS	-2,081	8,371	1,53E-05	0,00262	trycyl-tRNA synthetase	Cytoplasm	enzyme
70	APOBEC3G	-1,668	7,194	1,74E-05	0,00294	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3G	Nucleus	enzyme
71	NARS	-1,429	8,348	1,93E-05	0,00323	asparaginyl-tRNA synthetase	Cytoplasm	enzyme
72	SHMT2	-1,542	7,518	2,25E-05	0,00366	serine hydroxymethyltransferase 2 (mitochondrial)	Cytoplasm	enzyme
73	PHGDH	-3,519	5,726	2,24E-05	0,00366	phosphoglycerate dehydrogenase	Cytoplasm	enzyme
74	JUND	1,592	7,816	2,35E-05	0,00376	jun D proto-oncogene	Nucleus	transcription regulator
75	GARS	-1,634	7,996	2,42E-05	0,00378	glycyl-tRNA synthetase	Cytoplasm	enzyme
76	TYMP	-2,809	6,845	2,46E-05	0,00378	thymidine phosphorylase	Extracellular Space	growth factor
77	LGALS3BP	-3,544	6,298	2,45E-05	0,00378	lectin, galactoside-binding, soluble, 3 binding protein	Plasma Membrane	transmembrane receptor
78	ITPR2	1,486	7,845	2,56E-05	0,00389	inositol 1,4,5-trisphosphate receptor, type 2	Cytoplasm	ion channel
79	CYP11A1	-6,671	6,652	2,64E-05	0,00397	cytochrome P450, family 1, subfamily A, polypeptide 1	Cytoplasm	enzyme
80	TALDO1	-1,615	7,872	2,73E-05	0,00406	transaldolase 1	Cytoplasm	enzyme
81	MOAP1	1,601	7,676	2,77E-05	0,00406	modulator of apoptosis 1	Cytoplasm	other
82	CSRP1	2,588	7,325	2,91E-05	0,00422	cysteine-serine-rich nuclear protein 1	Nucleus	transcription regulator
83	ZNF292	1,419	9,392	3,03E-05	0,00434	zinc finger protein 292	Nucleus	transcription regulator
84	IL8	-6,017	6,368	3,30E-05	0,00466	chemokine (C-X-C motif) ligand 8	Extracellular Space	cytokine
85	BHLHE40	1,791	9,210	3,49E-05	0,00488	basic helix-loop-helix family, member e40	Nucleus	transcription regulator
86	ATF7IP2	1,832	6,511	3,66E-05	0,00496	activating transcription factor 7 interacting protein 2	Nucleus	other
87	HSPA1A	-3,134	5,826	3,67E-05	0,00496	heat shock 70kDa protein 1A	Cytoplasm	enzyme
88	AHR	-5,581	5,082	3,61E-05	0,00496	aryl-hydrocarbon receptor repressor	Nucleus	other
89	COL2A1	5,782	3,829	3,96E-05	0,00523	collagen, type XXIV, alpha 1	Extracellular Space	other
90	ULK4	2,359	5,686	3,94E-05	0,00523	unc-51 like kinase 4	Other	kinase
91	TN1	-1,976	6,602	4,07E-05	0,00532	thioredoxin	Cytoplasm	enzyme
92	DKK2	2,164	6,352	4,15E-05	0,00537	docking protein 2, 56kDa	Plasma Membrane	other
93	LTBR	2,416	5,675	5,14E-05	0,00657	leukotriene B4 receptor	Plasma Membrane	G-protein coupled receptor
94	KIF21A	-2,200	5,976	5,39E-05	0,00681	kinasin family member 21A	Cytoplasm	other
95	TSC22D3	1,290	9,846	5,74E-05	0,00719	TSC22 domain family, member 3	Nucleus	transcription regulator
96	VCL	1,830	7,625	5,99E-05	0,00743	vinculin	Plasma Membrane	enzyme
97	LSR	1,906	7,060	6,08E-05	0,00746	lipolysis stimulated lipoprotein receptor	Nucleus	transcription regulator
98	SOC51	-2,993	6,287	6,19E-05	0,00752	suppressor of cytokine signaling 1	Cytoplasm	other
99	CYP4F35P	6,982	3,303	6,32E-05	0,00758	cytochrome P450, family 4, subfamily F, polypeptide 35, pseudogene	Other	other
100	CCT6A	-1,477	8,258	6,37E-05	0,00758	chaperonin containing TCP1, subunit 6A (zeta 1)	Cytoplasm	other
101	PIR	-7,106	3,394	6,61E-05	0,00779	pirin (iron-binding nuclear protein)	Nucleus	transcription regulator
102	HELB	1,541	7,916	6,79E-05	0,00792	helicase (DNA) B	Nucleus	enzyme
103	SQSTM1	-1,280	9,019	6,93E-05	0,00801	sequestosome 1	Cytoplasm	transcription regulator
104	PKD1	1,987	7,559	7,28E-05	0,00834	pyruvate dehydrogenase kinase, isozyme 1	Cytoplasm	kinase
105	TRIM22	-1,328	9,348	7,60E-05	0,00846	trypsin-like motif containing 22	Cytoplasm	transcription regulator
106	YST4A	-4,502	4,617	7,56E-05	0,00846	V set and transmembrane domain containing 4	Other	other
107	GSTM1	-6,820	3,165	7,51E-05	0,00846	glutathione S-transferase mu 1	Cytoplasm	enzyme
108	PKC2	-2,225	6,122	7,91E-05	0,00872	phosphoenolpyruvate carboxykinase 2 (mitochondrial)	Cytoplasm	kinase
109	GBP1P1	-5,619	3,804	8,17E-05	0,00892	guanylate binding protein 1, interferon-inducible pseudogene 1	Other	other
110	CUBN	3,109	4,816	8,49E-05	0,00919	cubilin (intrinsic factor-cobalamin receptor)	Plasma Membrane	transmembrane receptor
111	SEMA5A	4,889	3,894	8,99E-05	0,00932	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A	Plasma Membrane	transmembrane receptor
112	UVSSA	3,063	5,366	8,71E-05	0,00932	UV-stimulated scaffold protein A	Nucleus	other
113	PZP	1,840	6,415	9,11E-05	0,00932	pregnancy-zone protein	Extracellular Space	other
114	ANKZF1	1,723	8,052	9,15E-05	0,00932	ankyrin repeat and zinc finger domain containing 1	Nucleus	transcription regulator
115	ZBTB25	1,360	7,621	9,09E-05	0,00932	zinc finger and BTB domain containing 25	Nucleus	transcription regulator
116	SLC3A2	-1,307	8,997	8,95E-05	0,00932	solute carrier family 3 (amino acid transporter heavy chain), member 2	Plasma Membrane	transporter
117	LPGAT1	-1,626	6,926	9,09E-05	0,00932	lysophosphatidylglycerol acyltransferase 1	Cytoplasm	other
118	GPI	1,487	8,799	9,53E-05	0,00963	glucose-6-phosphate isomerase	Extracellular Space	enzyme
119	HTATIP2	-1,774	7,063	0,00001	0,01028	Hiv-1 Tat interactive protein 2, 30kDa	Nucleus	transcription regulator
120	IRF4	-4,163	5,563	0,00001	0,01028	interferon regulatory factor 4	Nucleus	transcription regulator
121	BMF	-6,875	3,208	0,00001	0,01037	Bcl2 modifying factor	Cytoplasm	other
122	ANKRD36	1,442	7,393	0,00001	0,01053	ankyrin repeat domain 36	Other	other
123	NPC1	-1,968	6,764	0,00001	0,0106	Niemann-Pick disease, type C1	Cytoplasm	transporter
124	FAM153A	3,972	4,894	0,00002	0,01138	family with sequence similarity 153, member A	Other	other
125	ADAM8	1,765	6,893	0,00002	0,01138	ADAM metalloproteinase domain 8	Plasma Membrane	peptidase
126	AP3M2	1,516	7,632	0,00002	0,01138	adaptor-related protein complex 3, mu 2 subunit	Cytoplasm	transporter
127	PBXIP1	1,317	8,451	0,00002	0,01138	pre-B-cell leukemia homeobox interacting protein 1	Nucleus	transcription regulator
128	KLF6	1,287	10,683	0,00002	0,01138	Kruppel-like factor 6	Nucleus	transcription regulator
129	CD74	-1,438	8,401	0,00002	0,01138	CD74 molecule, major histocompatibility complex, class II invariant chain</		

132	KIAA1109	1,271	8,519	0.00014	0.01263	KIAA1109	Other	other
133	E2F3	-2,848	5,520	0.00014	0.01263	E2F transcription factor 3	Nucleus	transcription regulator
134	ZNF117	-3,416	4,913	0.00014	0.01263	zinc finger protein 117	Nucleus	transcription regulator
135	MTHFD2	-1,851	7,439	0.00015	0.01336	methylene tetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase	Cytoplasm	enzyme
136	NEDD9	2,805	5,857	0.00016	0.01361	neural precursor cell expressed, developmentally down-regulated 9	Nucleus	other
137	SLC7A11	-6,226	5,079	0.00017	0.0146	solute carrier family 7 (anionic amino acid transporter/light chain, xc- system), member 11	Plasma Membrane	transporter
138	USP14	-1,449	7,407	0.00017	0.015	ubiquitin specific peptidase 14 (HRNA-guanine transglycosylase)	Cytoplasm	peptidase
139	SPOCK2	1,301	8,236	0.00018	0.01531	spontaneously secreted, cwev and kazal-like domains proteoglycan 2	Extracellular Space	other
140	MX1	1,834	6,718	0.00018	0.01574	MX dynamin-like GTPase 1	Cytoplasm	enzyme
141	PDE4B	1,709	6,776	0.00019	0.01574	phosphodiesterase 4B, cAMP-specific	Cytoplasm	enzyme
142	ACTR1A	-1,603	6,858	0.00019	0.01574	ARP1 actin-related protein 1 homolog A, centractin (alpha) (yeast)	Cytoplasm	other
143	NQO2	-1,579	6,887	0.0002	0.01653	NAD(P)H dehydrogenase, quinone 2	Cytoplasm	enzyme
144	BLOC1S1	-2,952	4,785	0.0002	0.01653	biogenesis of lysosomal organelles complex-1, subunit 1	Cytoplasm	other
145	SAMD12	4,029	4,231	0.00021	0.01698	sterile alpha motif domain containing 12	Other	other
146	MYOM2	6,713	3,090	0.00021	0.01726	myomesin 2	Cytoplasm	other
147	SLC1A4	-2,434	6,358	0.00022	0.01754	solute carrier family 1 (glutamate/neutral amino acid transporter), member 4	Plasma Membrane	transporter
148	JUNB	1,699	8,004	0.00022	0.01774	jun B proto-oncogene	Plasma Membrane	transcription regulator
149	ZNF132	4,633	3,972	0.00022	0.01781	zinc finger protein 132	Nucleus	transcription regulator
150	HSPA1B	-3,967	4,642	0.00023	0.01795	heat shock 70kDa protein 1A	Cytoplasm	enzyme
151	CNOT6L	1,551	8,715	0.00024	0.01934	CCR4-NOT transcription complex, subunit 6-like	Cytoplasm	enzyme
152	TMEM104	-7,401	3,628	0.00025	0.01996	transmembrane protein 104	Other	transporter
153	KLRD1	-4,828	6,143	0.00026	0.02002	killer cell lectin-like receptor subfamily D, member 1	Plasma Membrane	transmembrane receptor
154	TNFSF4	-3,669	5,263	0.00026	0.0202	tumor necrosis factor (ligand) superfamily, member 4	Extracellular Space	cytokine
155	UBTF	-1,816	6,859	0.00027	0.02066	upstream binding transcription factor, RNA polymerase I	Nucleus	transcription regulator
156	CSGALNAC	1,639	7,988	0.00027	0.02081	chondroitin sulfate N-acetylgalactosaminyltransferase 1	Cytoplasm	enzyme
157	PKP	1,659	7,463	0.00027	0.02091	phosphofructokinase, platelet	Cytoplasm	kinase
158	STOX2	5,059	3,669	0.00028	0.02098	storkhead box 2	Other	other
159	IFITM3	-2,579	5,760	0.00028	0.0213	interferon induced transmembrane protein 3	Plasma Membrane	other
160	WDR12	-1,788	6,129	0.00029	0.02174	WD repeat domain 12	Cytoplasm	other
161	PPP1R12B	2,024	6,070	0.0003	0.0223	protein phosphatase 1, regulatory subunit 12B	Cytoplasm	phosphatase
162	FEFMP2	6,672	3,061	0.0003	0.0223	EGF containing fibulin-like extracellular matrix protein 2	Extracellular Space	other
163	TCEA3	3,358	4,829	0.00031	0.02241	transcription elongation factor A (SII), 3	Nucleus	transcription regulator
164	TMEM173	1,546	7,934	0.00031	0.02259	transmembrane protein 173	Cytoplasm	other
165	TIMM17A	-1,420	7,184	0.00031	0.0226	translocase of inner mitochondrial membrane 17 homolog A (yeast)	Cytoplasm	transporter
166	RBCK1	-1,314	7,355	0.00034	0.02433	RanBP-type and C3HC4-type zinc finger containing 1	Cytoplasm	transcription regulator
167	KIF9	5,268	3,228	0.00035	0.02478	kinesin family member 9	Cytoplasm	enzyme
168	CRYL1	2,128	5,756	0.00035	0.02478	crystallin, lambda 1	Cytoplasm	enzyme
169	IFI35	-2,322	6,437	0.00035	0.02497	interferon-induced protein 35	Nucleus	other
170	ARHGEF10	4,701	3,738	0.00036	0.02511	Rho guanine nucleotide exchange factor (GEF) 10	Cytoplasm	enzyme
171	PSMD1	-1,558	7,772	0.00037	0.02565	proteasome (prosome, macropain) 26S subunit, non-ATPase, 1	Cytoplasm	other
172	CHAC1	-5,040	4,588	0.00037	0.02581	ChcC glutathione-specific gamma-glutamylcyclotransferase 1	Cytoplasm	other
173	TRIM69	-1,460	6,813	0.00039	0.02712	tripartite motif containing 69	Nucleus	enzyme
174	NT5M	6,446	2,890	0.0004	0.02748	5',3'-nucleotidase, mitochondrial	Cytoplasm	phosphatase
175	HERC3	1,459	7,091	0.00041	0.02788	HECT and RLD domain containing E3 ubiquitin protein ligase 3	Cytoplasm	enzyme
176	NBTBD8	-3,451	6,640	0.00041	0.02816	leitch repeat and BTB (POZ) domain containing 8	Other	other
177	CD69	1,230	9,905	0.00042	0.02818	CD69 molecule	Plasma Membrane	transmembrane receptor
178	USP36	1,270	8,103	0.00043	0.02868	ubiquitin specific peptidase 36	Nucleus	peptidase
179	RNASET2	1,891	6,765	0.00045	0.03004	ribonuclease T2	Cytoplasm	enzyme
180	FES	3,165	5,465	0.00046	0.03033	FES proto-oncogene, tyrosine kinase	Cytoplasm	kinase
181	PRR5L	-1,833	6,577	0.00047	0.03128	proline rich 5 like	Cytoplasm	other
182	SLC2A14	6,302	2,785	0.00048	0.03162	solute carrier family 2 (facilitated glucose transporter), member 14	Nucleus	transporter
183	SPTBN1	2,057	7,902	0.00049	0.03175	spectrin, beta, non-erythrocytic 1	Plasma Membrane	other
184	CBR1	-2,112	5,872	0.0005	0.0322	carbonyl reductase 1	Cytoplasm	enzyme
185	TRDV1	-6,782	3,134	0.0005	0.0322	T cell receptor delta variable 1	Other	other
186	ARHGAP31	-1,978	6,523	0.0005	0.03233	Rho GTPase activating protein 31	Cytoplasm	other
187	HOMER2	-4,757	4,008	0.00051	0.03233	homer scaffolding protein 2	Plasma Membrane	other
188	RAB20	5,215	3,479	0.00052	0.03282	RAB20, member RAS oncogene family	Cytoplasm	enzyme
189	SH3BP2	5,102	3,390	0.00053	0.03292	SH3 domain containing ring finger 3	Other	other
190	EROL1	1,337	7,906	0.00052	0.03292	EROL1-like (S. cerevisiae)	Cytoplasm	enzyme
191	LRN3	-5,436	6,139	0.00052	0.03292	leucine rich repeat neuronal 3	Extracellular Space	other
192	SLC2A3	1,129	8,761	0.00054	0.03342	solute carrier family 2 (facilitated glucose transporter), member 3	Plasma Membrane	transporter
193	APOL2	-2,123	6,248	0.00054	0.0335	apolipoprotein L, 2	Cytoplasm	other
194	GRK5	2,270	6,711	0.00056	0.03472	G protein-coupled receptor kinase 5	Plasma Membrane	kinase
195	EIF4EBP1	-1,756	6,040	0.00057	0.03517	eukaryotic translation initiation factor 4E binding protein 1	Cytoplasm	transcription regulator
196	SGK1	1,887	6,813	0.00058	0.03518	serum/glucocorticoid regulated kinase 1	Cytoplasm	kinase
197	UNC5CL	6,512	2,940	0.00059	0.0357	unc-5 homolog C (C. elegans)-like	Cytoplasm	peptidase
198	YEATS2-AS	6,244	2,743	0.0006	0.03616	YEATS2 antisense RNA 1	Other	other
199	CARD16	-2,138	5,558	0.0006	0.03616	caspace recruitment domain family, member 16	Other	other
200	METTL13	-2,071	6,374	0.00061	0.03637	methyltransferase like 13	Other	enzyme
201	AHA1	-1,314	7,434	0.00062	0.03667	AHA1, activator of heat shock 90kDa protein ATPase homolog 1 (yeast)	Cytoplasm	other
202	GRAMD1C	-5,670	3,845	0.00063	0.03714	GRAM domain containing 1C	Other	other
203	KLRG1	1,397	7,534	0.00064	0.03724	killer cell lectin-like receptor subfamily G, member 1	Plasma Membrane	other
204	PLD1	-6,608	3,003	0.00063	0.03724	phospholipase C, 2-oxoglutarate 5-dioxygenase 1	Cytoplasm	enzyme
205	CEP85L	1,442	6,876	0.00067	0.03892	centrosomal protein 85kDa-like	Cytoplasm	other
206	PRKCB	-1,246	7,869	0.00067	0.03905	protein kinase C, beta	Cytoplasm	kinase
207	SNX30	2,341	5,704	0.00069	0.03976	sorting nexin family member 30	Other	other
208	CTSW	1,366	7,097	0.00069	0.03984	cathepsin W	Cytoplasm	peptidase
209	TSPYL4	2,093	5,534	0.0007	0.03996	TSPYL4-like 4	Nucleus	other
210	TIMM44	-2,506	5,421	0.0007	0.03996	translocase of inner mitochondrial membrane 44 homolog (yeast)	Cytoplasm	transporter
211	TELO2	3,622	4,136	0.00072	0.04057	telomere maintenance 2	Cytoplasm	other
212	TLR6	-4,655	3,117	0.00073	0.04098	tol-like receptor 6	Plasma Membrane	transmembrane receptor
213	C5orf17	4,042	3,542	0.00073	0.04104	chromosome 5 open reading frame 17	Other	other
214	OPTN	-1,249	7,669	0.00073	0.04104	optineurin	Cytoplasm	other
215	C16orf70	-2,033	5,505	0.00074	0.04116	chromosome 16 open reading frame 70	Cytoplasm	other
216	BDH1	3,153	4,626	0.00076	0.04117	3-hydroxybutyrate dehydrogenase, type 1	Cytoplasm	enzyme
217	PSMD14	-1,650	6,983	0.00075	0.04117	proteasome (prosome, macropain) 26S subunit, non-ATPase, 14	Cytoplasm	peptidase
218	C11orf21	3,426	4,075	0.00077	0.04182	chromosome 11 open reading frame 21	Cytoplasm	other
219	GBP2	-1,369	8,958	0.00077	0.04182	guanylate binding protein 2, interferon-inducible	Cytoplasm	enzyme
220	ZNF780A	-2,406	5,778	0.00077	0.04182	zinc finger protein 780A	Other	other
221	IL15RA	-2,514	6,369	0.00077	0.04182	Interleukin 15 receptor, alpha	Plasma Membrane	transmembrane receptor
222	ZNF215	7,008	3,323	0.00079	0.04264	zinc finger protein 215	Nucleus	transcription regulator
223	SYTL2	1,386	7,834	0.00079	0.04264	synaptotagmin-like 2	Cytoplasm	other
224	LNX2-AS1	-6,200	2,702	0.00081	0.04343	LNX2 antisense RNA 1	Other	other
225	GRNPR	-1,469	6,621	0.00082	0.0437	glyoxylate reductase/hydroxyypyruvate reductase	Cytoplasm	enzyme
226	F11R	2,408	5,096	0.00083	0.04377	F11 receptor	Plasma Membrane	other
227	CCNH	1,276	7,093	0.00083	0.04377	cyclin H	Nucleus	transcription regulator
228	ENO2	1,341	8,157	0.00086	0.04487	enolase 2 (gamma, neuronal)	Cytoplasm	enzyme
229	ETV7	-4,616	5,513	0.00086	0.04487	ets variant 7	Nucleus	transcription regulator
230	PDP2	7,078	3,383	0.00086	0.045	pyruvate dehydrogenase phosphatase catalytic subunit 2	Cytoplasm	phosphatase
231	SLC16A7	1,435	6,868	0.00088	0.04545	solute carrier family 16 (monocarboxylate transporter), member 7	Plasma Membrane	transporter
232	USF1	-1,672	6,363	0.00088	0.04545	upstream transcription factor 1	Nucleus	transcription regulator
233	CASP1	-1,651	6,602	0.0009	0.04614	caspase 1, apoptosis-related cysteine peptidase	Cytoplasm	peptidase
234	SRM	-1,494	7,064	0.00092	0.04699	spermidine synthase	Cytoplasm	enzyme
235	AKAP8L	1,159	7,523	0.00094	0.04786	A kinase (PKA) anchor protein 8-like	Nucleus	other
236	PSMD11	-1,213	7,735	0.00095	0.04834	proteasome (prosome, macropain) 26S subunit, non-ATPase, 11	Cytoplasm	other
237	TNFSF14	-1,542	7,213	0.00096	0.04868	tumor necrosis factor (ligand) superfamily, member 14	Extracellular Space	cytokine
238	AP2B1	-1,895	6,598	0.00097	0.049	adaptor-related protein complex 2, beta 1 subunit	Plasma Membrane	transporter
239	DLAGP2	6,228	2,731	0.00102	0.05096	discs, large (Drosophila) homolog-associated protein 2	Plasma Membrane	other
240	HERC1	1,112	9,361	0.00102	0.05096	HECT and RLD domain containing E3 ubiquitin protein ligase family member 1	Cytoplasm	other
241	CSTF3	-1,842	5,911	0.00103	0.05096	cleavage stimulation factor, 3' pre-RNA, subunit 3, 77kDa	Nucleus	other
242	IRF8	-3,564	5,064	0.00103	0.05096	interferon regulatory factor 8	Nucleus	transcription regulator
243	FBXO30	-2,869	5,295	0.00107	0.0528	F-box protein 30	Extracellular Space	other
244	NUP93	-1,526	6,300	0.00108	0.05311	nucleoporin 93kDa	Nucleus	other
245	UBE2L6	-1,214	8,247	0.00112	0.05452	ubiquitin-conjugating enzyme E2L 6	Cytoplasm	enzyme
246	FAM50B	-2,428	4,836	0.00114	0.05525	family with sequence similarity 50, member 8	Other	other
247	GNB5	1,888	5,999	0.00115	0.0555	guanine nucleotide binding protein (G protein), beta 5	Plasma Membrane	enzyme
248	PIK3R1	1,186	8,690	0.00115	0.0555	phosphoinositide 3-kinase, regulatory subunit 1 (alpha)	Cytoplasm	kinase
249	C1orf132	-3,276	4,799	0.00116	0.05593	chromosome 1 open reading frame 132	Other	other
250	CST7	-3,607	5,658	0.00112	0.05738	cystatin F (leukostatin)	Extracellular Space	other
251	C20orf197	6,297	2,780	0.00121	0.05778	chromosome 20 open reading frame 197	Other	other
252	PLA2G4A	-3,901	5,332	0.00123	0.05862	phospholipase A2, group IVA (cytosolic, calcium-dependent)	Cytoplasm	enzyme
253	KDM4B	2,866	5,840	0.00125	0.05884	lysine (K)-specific demethylase 4B	Nucleus	other
254	PTGS2	-3,867	6,209	0.00125	0.05884	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)	Cytoplasm	enzyme
255	HCG11	-3,669	4,220	0.00128	0.06	HLA complex group 11 (non-protein coding)	Other	other
256	BTN3A3	-1,225	7,449	0.00133	0.06209	butyrophilin, subfamily 3, member A3	Plasma Membrane	other
257	DUSP16	1,587	7,105	0.0014	0.06525	dual specificity phosphatase 16	Nucleus	phosphatase
258	ZNF160	1,222	8,012	0.00141	0.06525	zinc finger protein 160	Nucleus	other
259	MOV10	-1,606	6,621	0.00141	0.06525	Mov10 RISC complex RNA helicase	Nucleus	enzyme
260	RIMK3	-5,987	2,555	0.00143</				

264	FILIP1	-6.135	2.657	0.00149	0.06774	filamin A interacting protein 1	Cytoplasm	other
265	C1GALT1C	-1.873	5.779	0.0015	0.06781	C1GALT1-specific chaperone 1	Cytoplasm	enzyme
266	TSEN54	1.372	8.002	0.00151	0.0682	TSEN54 tRNA splicing endonuclease subunit	Nucleus	enzyme
267	IFI1T1	3.388	4.264	0.00155	0.06854	interferon-induced protein with tetratricopeptide repeats 1	Cytoplasm	other
268	PRKX	1.386	8.959	0.00154	0.06854	protein kinase, X-linked	Cytoplasm	kinase
269	KBP4	-1.697	6.771	0.00154	0.06854	PKS6 binding protein 4, 59kDa	Nucleus	enzyme
270	CDB2	-1.846	6.662	0.00155	0.06854	CDB2 molecule	Plasma Membrane	other
271	C12orf73	-2.945	4.428	0.00155	0.06854	chromosome 12 open reading frame 73	Other	other
272	ZBTB16	2.195	6.504	0.00159	0.06963	zinc finger and BTB domain containing 16	Nucleus	transcription regulator
273	ZFP3	-2.444	5.067	0.00158	0.06963	ZFP3 zinc finger protein	Extracellular Space	other
274	VWA8	2.093	6.057	0.0016	0.07011	von Willebrand factor A domain containing 8	Other	other
275	VGLL4	2.923	4.566	0.00162	0.07057	vestigial-like family member 4	Nucleus	other
276	PPP1R15A	1.076	9.402	0.00163	0.07057	protein phosphatase 1, regulatory subunit 15A	Cytoplasm	other
277	SLC25A3	-1.116	8.558	0.00164	0.07109	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 3	Cytoplasm	transporter
278	NDRG2	3.993	4.242	0.00166	0.07149	NDRG family member 2	Cytoplasm	other
279	XAB2	2.533	4.941	0.00168	0.07208	XPA binding protein 2	Nucleus	other
280	CCDC101	1.881	5.754	0.00169	0.07208	coiled-coil domain containing 101	Nucleus	other
281	FAM63A	3.917	3.376	0.00169	0.07215	family with sequence similarity 63, member A	Cytoplasm	other
282	KRT72	3.964	4.168	0.00172	0.07295	keratin 72, type II	Cytoplasm	other
283	PHTF2	1.291	7.698	0.00172	0.07295	putative homeodomain transcription factor 2	Cytoplasm	other
284	ERC1	1.120	7.498	0.00177	0.07472	ELKS/RAB-interacting/CAST family member 1	Cytoplasm	other
285	NAAS50	-1.501	6.980	0.0018	0.07554	N-oleo1-acyltransferase 50, Na/E catalytic subunit	Cytoplasm	enzyme
286	PYCR1	-4.057	4.770	0.0018	0.07554	pyrimidine-5-carboxylate reductase 1	Cytoplasm	enzyme
287	ID1	6.084	2.631	0.00183	0.07635	inhibitor of DNA binding 1, dominant negative helix-loop-helix protein	Nucleus	transcription regulator
288	PAM	1.662	6.445	0.00184	0.0766	peptidylglycine alpha-amidating monooxygenase	Plasma Membrane	enzyme
289	MYADM	1.555	6.177	0.00185	0.07674	myeloid-associated differentiation marker	Nucleus	other
290	SLC22A15	-6.064	2.606	0.00187	0.07733	solute carrier family 22, member 15	Other	transporter
291	ZNF654	1.432	6.810	0.0019	0.07784	zinc finger protein 654	Other	other
292	PMAIP1	-1.382	6.879	0.00189	0.07784	phorbol-12-myristate-13-acetate-induced protein 1	Cytoplasm	other
293	UBAP1L	3.358	4.481	0.00192	0.07813	ubiquitin associated protein 1-like	Other	other
294	MGLL	2.677	5.509	0.00192	0.07813	monoglyceride lipase	Plasma Membrane	enzyme
295	NLRP1	1.315	8.815	0.00191	0.07813	NLR family, pyrin domain containing 1	Cytoplasm	other
296	ANKRD26	1.565	6.600	0.00196	0.07946	ankyrin repeat domain 26	Nucleus	transcription regulator
297	CPEB3	2.893	4.121	0.002	0.08064	cytoplasmic polyadenylation element binding protein 3	Cytoplasm	translation regulator
298	NADSYN1	1.103	8.270	0.00201	0.08064	NAD synthetase 1	Cytoplasm	enzyme
299	HSP90AA1	-0.990	9.482	0.00203	0.08137	heat shock protein 90kDa alpha (cytosolic), class A member 1	Cytoplasm	enzyme
300	FGF9	6.078	2.626	0.00205	0.08154	fibroblast growth factor 9	Extracellular Space	growth factor
301	FAM162A	1.399	6.620	0.00204	0.08154	family with sequence similarity 162, member A	Cytoplasm	other
302	PABPC1	1.013	9.334	0.00206	0.08171	poly(A) binding protein, cytoplasmic 1	Cytoplasm	translation regulator
303	APMAP	-1.336	7.564	0.00207	0.08171	adipocyte plasma membrane associated protein	Plasma Membrane	enzyme
304	POU2F2	-1.401	6.960	0.0021	0.08279	POU class 2 homeobox 2	Nucleus	transcription regulator
305	ABC2	4.322	3.195	0.00212	0.08307	ATP-binding cassette, sub-family G (WHITE), member 2 (Junior blood group)	Plasma Membrane	transporter
306	MKS1	2.525	4.976	0.00212	0.08307	Meckel syndrome, type 1	Cytoplasm	other
307	TMEM231	4.495	3.571	0.00213	0.08312	transmembrane protein 231	Extracellular Space	other
308	SPON1	2.697	4.349	0.00214	0.08312	syndrin 1, extracellular matrix protein	Extracellular Space	other
309	SDT2	2.404	4.799	0.00215	0.08328	SD1 transmembrane family, member 2	Cytoplasm	other
310	GYPC	1.115	7.355	0.00215	0.08328	glycophorin C (Gerbich blood group)	Plasma Membrane	other
311	IER2	1.380	7.290	0.00219	0.08426	immediate early response 2	Cytoplasm	other
312	RHPN1	5.989	2.568	0.00223	0.0857	rhophilin, Rho GTPase binding protein 1	Cytoplasm	other
313	GRWD1	-1.516	6.187	0.00224	0.0858	glutamate-rich WD repeat containing 1	Nucleus	other
314	HAR1A	5.806	2.448	0.00226	0.08603	highly accelerated region 1A (non-protein coding)	Other	other
315	P2RX7	-4.456	3.957	0.00226	0.08603	purinergic receptor P2X, ligand gated ion channel, 7	Plasma Membrane	ion channel
316	DAPK1	2.903	4.780	0.00229	0.08666	death-associated protein kinase 1	Cytoplasm	kinase
317	CCL28	2.053	5.396	0.00231	0.08694	chemokine (C-C motif) ligand 28	Extracellular Space	cytokine
318	C1orf162	1.324	7.146	0.0023	0.08694	chromosome 1 open reading frame 162	Other	transporter
319	NUDT5	-1.212	6.846	0.00232	0.08706	nucleoside diphosphate linked moiety X-type motif 5	Cytoplasm	phosphatase
320	ATP1B3	-1.228	7.179	0.00233	0.08733	ATPase, Na/K-transporting, beta 3 polypeptide	Plasma Membrane	transporter
321	C9orf64	-2.327	4.859	0.00235	0.08773	chromosome 9 open reading frame 64	Other	other
322	MCCC2	-1.649	6.331	0.00236	0.08777	methylcrotonyl-CoA carboxylase 2 (beta)	Cytoplasm	enzyme
323	EMIL4	1.010	10.495	0.00238	0.08842	echinoderm microtubule associated protein like 4	Cytoplasm	other
324	PSMA5	-1.135	7.928	0.0024	0.08861	proteasome (prosome, macropain) subunit, alpha type, 5	Cytoplasm	peptidase
325	ZFYVE20	1.577	6.148	0.00242	0.08917	rabenosyn, RAB effector	Cytoplasm	other
326	SYTL3	1.933	8.637	0.00245	0.09021	synaptotagmin-like 3	Cytoplasm	other
327	VPS13B	1.158	8.057	0.00246	0.09024	vacuolar protein sorting 13 homolog B (yeast)	Nucleus	transporter
328	P2RX5	-2.330	5.576	0.00248	0.09073	purinergic receptor P2X, ligand gated ion channel, 5	Plasma Membrane	ion channel
329	DLL1	4.901	3.121	0.00252	0.09095	delta-like 1 (Drosophila)	Plasma Membrane	enzyme
330	BST2	-1.217	7.735	0.00252	0.09095	bone marrow stromal cell antigen 2	Plasma Membrane	other
331	ZNF268	-1.510	6.437	0.00251	0.09095	zinc finger protein 268	Nucleus	other
332	CEP19	-2.392	4.687	0.00251	0.09095	centrosomal protein 19kDa	Cytoplasm	other
333	NEO1	4.029	3.142	0.00254	0.09144	neogenin 1	Plasma Membrane	transcription regulator
334	SPINT1	5.750	2.412	0.00259	0.09294	serine peptidase inhibitor, Kunitz type 1	Extracellular Space	other
335	ARLSB	1.462	6.185	0.00268	0.09562	ADP-ribosylation factor-like 5B	Other	enzyme
336	RAD50	-1.122	7.401	0.00269	0.09562	RAD50 homolog (S. cerevisiae)	Nucleus	enzyme
337	MTMR11	-5.944	2.526	0.00267	0.09562	myotubularin related protein 11	Cytoplasm	other
338	A2M-AS1	2.139	4.912	0.00271	0.09586	A2M antisense RNA 1 (head to head)	Other	other
339	MAFG	-1.294	7.329	0.0027	0.09586	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog G	Nucleus	transcription regulator
340	FAM8A1	3.108	4.441	0.00273	0.09603	family with sequence similarity 8, member A1	Other	other
341	SMARCD2	1.346	6.424	0.00273	0.09603	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 2	Nucleus	transcription regulator
342	IL18BP	3.936	3.407	0.00276	0.09627	interleukin 18 binding protein	Extracellular Space	other
343	SLC25A51	-3.214	3.537	0.00275	0.09627	solute carrier family 25, member 51	Cytoplasm	transporter
344	NDUFV2	3.192	4.044	0.00287	0.09895	NADH dehydrogenase (ubiquinone) flavoprotein 2, 24kDa	Cytoplasm	enzyme
345	LRP6	2.952	4.426	0.00287	0.09909	low density lipoprotein receptor-related protein 6	Plasma Membrane	transmembrane receptor
346	ZBTB10	1.824	5.530	0.00287	0.09909	zinc finger and BTB domain containing 10	Nucleus	other
347	RGS16	1.156	8.100	0.00288	0.09909	regulator of G-protein signaling 16	Cytoplasm	other
348	GLTP	-1.707	5.888	0.00288	0.09909	glycolipid transfer protein	Cytoplasm	transporter
349	HIATL1	-1.340	6.522	0.00297	0.10198	hippocampus abundant transcript-like 1	Other	other
350	ABCB1	-1.647	6.777	0.00299	0.10223	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Plasma Membrane	transporter
351	ZNF594	-2.583	5.773	0.00299	0.10223	zinc finger protein 594	Other	other
352	ANGPTL1	5.786	2.434	0.00304	0.10248	angiotensin-like 1	Plasma Membrane	other
353	KLHL21	-1.562	6.332	0.00303	0.10248	kelch-like family member 21	Cytoplasm	other
354	BAX	-1.957	5.860	0.00303	0.10248	BCL2-associated X protein	Cytoplasm	transporter
355	C11orf24	-2.576	4.525	0.00302	0.10248	chromosome 11 open reading frame 24	Extracellular Space	other
356	GOLGA8A	1.210	7.750	0.00304	0.10252	glgln A8 family, member A	Cytoplasm	other
357	SKAP1	1.097	7.638	0.00307	0.10269	src kinase associated phosphoprotein 1	Cytoplasm	kinase
358	MRPL15	-1.448	6.121	0.00306	0.10269	mitochondrial ribosomal protein L15	Cytoplasm	other
359	PDE8A	1.225	7.050	0.00308	0.10285	phosphodiesterase 8A	Cytoplasm	enzyme
360	PSAT1P3	-3.918	3.633	0.0031	0.10307	phosphoserine aminotransferase 1 pseudogene 3	Other	other
361	GLA	-1.669	5.903	0.00319	0.10581	galactosidase, alpha	Cytoplasm	enzyme
362	LPAL2	3.154	4.202	0.00323	0.10675	lipoprotein, Lp(a)-like 2, pseudogene	Other	other
363	ERGIC1	1.442	6.219	0.00325	0.10675	endoplasmic reticulum-golgi intermediate compartment (ERGIC) 1	Cytoplasm	other
364	EGR2	-2.436	6.017	0.00324	0.10675	early growth response 2	Nucleus	transcription regulator
365	SAV1	-3.211	3.451	0.00325	0.10675	salvador family WW domain containing protein 1	Cytoplasm	other
366	ZNF527	2.521	5.148	0.00332	0.10881	zinc finger protein 527	Nucleus	other
367	NCAFD2	1.912	5.706	0.00333	0.10886	non-SMC condensin I complex, subunit D2	Nucleus	other
368	GNQ4	-4.841	4.298	0.00335	0.10917	guanine nucleotide binding protein (G protein), gamma 4	Plasma Membrane	enzyme
369	ZNF691	-2.445	5.204	0.00336	0.10919	zinc finger protein 691	Nucleus	other
370	SHYL1	1.571	5.990	0.00337	0.10924	SH3 and SH1F domain containing 1	Plasma Membrane	other
371	HMG82	-1.650	7.029	0.00344	0.11083	high mobility group box 2	Nucleus	transcription regulator
372	FHIT	-3.678	2.985	0.00344	0.11083	fragile histidine triad	Cytoplasm	enzyme
373	FTO	1.614	6.792	0.0035	0.11243	fat mass and obesity associated	Nucleus	other
374	DUSP4	-2.091	6.280	0.00354	0.11339	dual specificity phosphatase 4	Nucleus	phosphatase
375	UZAF1	4.447	2.787	0.00356	0.11394	U2 small nuclear RNA auxiliary factor 1	Nucleus	other
376	NFKBIA	1.085	9.810	0.00361	0.11489	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha	Cytoplasm	transcription regulator
377	ASF1A	-1.105	7.102	0.00361	0.11489	anti-silencing function 1A histone chaperone	Nucleus	other
378	PCCB	2.202	4.982	0.00363	0.11505	propionyl CoA carboxylase, beta polypeptide	Cytoplasm	enzyme
379	HMMR	-5.649	2.338	0.00367	0.11619	hyaluronan-mediated motility receptor (RHAMM)	Plasma Membrane	transmembrane receptor
380	TRIO	-2.979	4.254	0.00372	0.11738	trio Rho guanine nucleotide exchange factor	Cytoplasm	kinase
381	CCL20	3.856	5.081	0.00374	0.11776	chemokine (C-C motif) ligand 20	Extracellular Space	cytokine
382	NAOK	-1.295	6.875	0.00378	0.11869	N-acetylglucosamine kinase	Cytoplasm	kinase
383	SLC35G2	-5.721	2.382	0.00384	0.12025	solute carrier family 35, member G2	Cytoplasm	transporter
384	CTSH	-4.849	5.649	0.00385	0.12029	cathepsin H	Cytoplasm	peptidase
385	42064	-3.301	4.723	0.0039	0.12158			
386	TP53INP2	5.733	2.400	0.00394	0.12181	tumor protein p53 inducible nuclear protein 2	Nucleus	other
387	NCAPH	3.510	3.872	0.00395	0.12181	non-SMC condensin I complex, subunit H	Nucleus	other
388	A2M	1.629	8.163	0.00395	0.12181	alpha-2-macroglobulin	Extracellular Space	transporter
389	GAS8	-3.281	3.750	0.00392	0.12181	growth arrest-specific 8	Cytoplasm	other
390	CRNDE	-3.569	3.241	0.00403	0.124	colorectal neoplasia differentially expressed (non-protein coding)	Other	other
391	DGKA	1.171	8.062	0.00409	0.12493	diacylglycerol kinase, alpha 80kDa	Cytoplasm	kinase
392	GMPR2	1.164	7.070	0.00409	0.12493	guanosine monophosphate reductase 2	Cytoplasm	enzyme
393	KLF12	1.111	7.582	0.0041	0.12493	Kruppel-like factor 12	Nucleus	transcription regulator
394	KIA0895L							

396	DZIP3	2,036	5,344	0.00418	0.12656	DAZ interacting zinc finger protein 3	Cytoplasm	enzyme
397	PLCL1	2,189	5,804	0.00419	0.12667	phospholipase C-like 1	Cytoplasm	enzyme
398	LUZP1	1,324	7,038	0.00422	0.12714	leucine zipper protein 1	Nucleus	other
399	FOXRED2	6,193	2,705	0.00425	0.12735	FAD-dependent oxidoreductase domain containing 2	Cytoplasm	other
400	COQ5	-2,126	5,199	0.00425	0.12735	coenzyme Q5 homolog, methyltransferase (S. cerevisiae)	Cytoplasm	enzyme
401	KCTD12	3,986	2,950	0.00429	0.12738	potassium channel tetramerization domain containing 12	Plasma Membrane	ion channel
402	EP5B2	2,593	4,316	0.00428	0.12738	EP5B-like 2	Cytoplasm	other
403	PLXND1	1,865	5,710	0.00429	0.12738	plexin D1	Plasma Membrane	transmembrane receptor
404	ENO1-AS1	-5,767	2,412	0.00429	0.12738	ENO1 antisense RNA 1	Other	other
405	CCT4	-1,035	8,246	0.00434	0.12852	chaperonin containing TCP1, subunit 4 (delta)	Cytoplasm	other
406	PLXNB1	-3,193	4,326	0.00435	0.12853	plexin B1	Plasma Membrane	transmembrane receptor
407	MAPK1	-0,968	8,243	0.00437	0.12857	mitogen-activated protein kinase 1	Cytoplasm	kinase
408	NUDT12	-3,589	3,586	0.00437	0.12857	nudix (nucleoside diphosphate linked moiety X)-type motif 12	Cytoplasm	phosphatase
409	CACNA1D	-3,340	4,714	0.00441	0.12921	calcium channel, voltage-dependent, L type, alpha 1D subunit	Plasma Membrane	ion channel
410	TTL	-1,532	6,112	0.00445	0.13097	tubulin tyrosine ligase	Cytoplasm	enzyme
411	C18orf1	-1,734	6,484	0.00449	0.13097	low density lipoprotein receptor class A domain containing 4	Cytoplasm	other
412	MAG12-AS3	-4,343	3,145	0.00445	0.13097	MAG12 antisense RNA 3	Other	other
413	PHH1N1	-3,702	6,322	0.00452	0.13121	pyrin and HIN domain family, member 1	Nucleus	other
414	CARS	-1,111	7,377	0.00454	0.13158	cysteinyl-tRNA synthetase	Cytoplasm	enzyme
415	SOC56	3,869	4,002	0.00457	0.13208	suppressor of cytokine signaling 6	Cytoplasm	other
416	NR1D2	1,048	7,503	0.00459	0.13231	nuclear receptor subfamily 1, group D, member 2	Nucleus	ligand-dependent nuclear receptor
417	ST3GAL1	1,386	8,007	0.00464	0.13331	ST3 beta-galactoside alpha-2,3-sialyltransferase 1	Cytoplasm	enzyme
418	IL12RB1	-2,892	5,225	0.00463	0.13331	interleukin 12 receptor, beta 1	Plasma Membrane	transmembrane receptor
419	SSBP2	1,405	6,879	0.00465	0.13318	single-stranded DNA binding protein 2	Nucleus	transcription regulator
420	LINC00565	5,742	2,408	0.00472	0.13396	long intergenic non-protein coding RNA 565	Other	other
421	CHN2	3,505	3,739	0.00469	0.13396	chimerin 2	Cytoplasm	other
422	NLN	-2,277	4,966	0.00471	0.13396	neurolysin (metallopeptidase M3 family)	Cytoplasm	peptidase
423	CD3G	-3,417	5,428	0.00473	0.13396	CD3 molecule, gamma (CD3-TCR complex)	Plasma Membrane	transmembrane receptor
424	BOP1	-2,692	5,185	0.00481	0.13601	block of proliferation 1	Nucleus	other
425	ATP6V1B2	-1,059	7,506	0.00486	0.13706	ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B2	Cytoplasm	transporter
426	PTGER2	2,024	7,271	0.0049	0.13792	prostaglandin E receptor 2 (subtype EP2), 53kDa	Plasma Membrane	G-protein coupled receptor
427	TSG101	-1,111	7,301	0.00493	0.13838	tumor susceptibility 101	Cytoplasm	transcription regulator
428	SLC35A4	-1,281	7,126	0.00499	0.13978	solute carrier family 35, member A4	Other	transporter
429	KAT7	1,273	6,665	0.00501	0.14015	(Lysine) acetyltransferase 7	Nucleus	enzyme
430	PRR2	5,694	2,375	0.00508	0.1406	proline-rich transmembrane protein 2	Other	other
431	SLC39A8	2,088	7,691	0.00505	0.1406	solute carrier family 39 (zinc transporter), member 8	Extracellular Space	transporter
432	ZNF134	1,382	6,171	0.00506	0.1406	zinc finger protein 134	Nucleus	transcription regulator
433	MXI1	1,374	6,753	0.00509	0.1406	MAX interactor 1, dimerization protein	Nucleus	transcription regulator
434	E1F5B	-1,032	7,581	0.00508	0.1406	eukaryotic translation initiation factor 5B	Cytoplasm	translation regulator
435	PPP1R3B	1,993	5,544	0.00514	0.14176	protein phosphatase 1, regulatory subunit 3B	Cytoplasm	other
436	CHAF1A	2,108	4,825	0.00522	0.14348	chromatin assembly factor 1, subunit A (p150)	Nucleus	other
437	TRANK1	-1,188	7,087	0.00524	0.14371	tetratricopeptide repeat and ankyrin repeat containing 1	Nucleus	transcription regulator
438	KRIT1	-1,196	6,737	0.00525	0.14383	KRIT1, ankyrin repeat containing	Plasma Membrane	other
439	DEJND5A	-1,509	7,008	0.00527	0.14403	DEJND5A domain containing 5A	Cytoplasm	other
440	JAK2	1,509	6,019	0.00532	0.14472	Janus kinase 2	Cytoplasm	kinase
441	KDM4C	1,339	6,290	0.00532	0.14472	lysine (K)-specific demethylase 4C	Nucleus	other
442	DLG5	2,555	5,187	0.00543	0.14682	discs, large homolog 5 (Drosophila)	Plasma Membrane	other
443	AIM1	1,096	7,669	0.00544	0.14682	absent in melanoma 1	Extracellular Space	other
444	DHX58	-2,127	5,512	0.00544	0.14682	DEH (Asp-Glu-X-His) box polypeptide 58	Cytoplasm	enzyme
445	NELL2	-3,646	6,079	0.00545	0.14682	NEL-like 2 (chicken)	Extracellular Space	other
446	RNF130	1,996	7,075	0.00557	0.14967	ring finger protein 130	Cytoplasm	peptidase
447	HCCS	-1,920	5,153	0.00562	0.15091	holocytochrome c synthase	Cytoplasm	enzyme
448	CC2D1B	-1,503	5,884	0.00564	0.15101	coiled-coil and C2 domain containing 1B	Nucleus	other
449	NR2C1	1,192	6,794	0.00572	0.15255	nuclear receptor subfamily 2, group C, member 1	Nucleus	transcription regulator
450	RBM45	-2,048	5,026	0.00572	0.15255	RNA binding motif protein 45	Cytoplasm	other
451	C10orf7	1,896	5,373	0.00574	0.15269	chromosome 10 open reading frame 76	Other	other
452	TCF1	-0,967	8,162	0.00578	0.15306	k-complex 1	Cytoplasm	other
453	RPL7AF60	-5,603	2,308	0.00577	0.15306	ribosomal protein L7a pseudogene 60	Other	other
454	SLC25A42	1,557	5,869	0.00581	0.15317	solute carrier family 25, member 42	Cytoplasm	transporter
455	PDE4D	1,457	8,856	0.00581	0.15317	phosphodiesterase 4D, cAMP-specific	Cytoplasm	enzyme
456	ADRM1	-1,127	6,914	0.00588	0.15457	adhesion regulating molecule 1	Plasma Membrane	other
457	PSAT1P4	-5,555	2,281	0.00591	0.15514	phosphoserine aminotransferase 1 pseudogene 4	Other	other
458	FAM73B	2,009	5,612	0.00598	0.15614	family with sequence similarity 73, member 8	Other	other
459	JDP2	-5,570	2,290	0.00597	0.15614	Jun dimerization protein 2	Nucleus	transcription regulator
460	ZNF652	1,099	7,448	0.00601	0.15682	zinc finger protein 652	Other	other
461	MBOAT4	4,160	2,595	0.00608	0.15745	membrane bound O-acyltransferase domain containing 4	Cytoplasm	enzyme
462	HELZ	0,928	8,263	0.00607	0.15745	helicase with zinc finger	Nucleus	enzyme
463	PHRF1	-1,556	5,629	0.00607	0.15745	PHD and ring finger domains 1	Nucleus	other
464	POU1F1	3,251	3,918	0.00617	0.15942	POU class 1 homeobox 1	Nucleus	transcription regulator
465	PCNX	0,930	8,481	0.00619	0.15971	pecanene homolog (Drosophila)	Plasma Membrane	other
466	RPS27L	-1,400	7,157	0.00625	0.16082	ribosomal protein S27-like	Cytoplasm	translation regulator
467	RAB33A	1,886	5,113	0.00628	0.16122	RAB33A, member RAS oncogene family	Cytoplasm	enzyme
468	PIKFYVE	1,215	7,237	0.00633	0.16122	phosphoinositide kinase, FYVE finger containing	Cytoplasm	kinase
469	FEM1B	-1,197	6,550	0.00634	0.16122	fem-1 homolog b (C. elegans)	Nucleus	transcription regulator
470	MRP56	-1,260	6,491	0.00631	0.16122	mitochondrial ribosomal protein 56	Cytoplasm	other
471	PEF1	-1,374	6,563	0.00634	0.16122	penta-EF-hand domain containing 1	Cytoplasm	other
472	ADAM28	-5,023	5,733	0.00634	0.16122	ADAM metallopeptidase domain 28	Plasma Membrane	peptidase
473	TAP1	-1,240	8,284	0.00637	0.16157	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	Cytoplasm	transporter
474	TH1P1	1,011	7,608	0.00639	0.16181	triosephosphate isomerase 1 pseudogene 1	Other	enzyme
475	NCF4	5,325	2,156	0.00641	0.16188	neutrophil cytosolic factor 4, 40kDa	Cytoplasm	enzyme
476	GART	-1,081	7,254	0.00647	0.16291	phosphoribosylglycinamide formyltransferase, phosphoribosylaminimidazole synthetase	Cytoplasm	enzyme
477	MDIC	-1,156	6,637	0.00653	0.16432	MyD family inhibitor domain containing	Nucleus	other
478	TRIM21	-1,187	7,122	0.00655	0.16438	tripartite motif containing 21	Nucleus	enzyme
479	ANTXR2	1,332	7,090	0.00662	0.16583	anthrax toxin receptor 2	Plasma Membrane	transmembrane receptor
480	PROSC	-1,182	7,136	0.00669	0.16709	proline synthetase co-transcribed homolog (bacterial)	Cytoplasm	enzyme
481	SNED1	3,545	4,507	0.00683	0.17034	sushi, nidogen and EGF-like domains 1	Plasma Membrane	other
482	PLK4	-5,635	2,328	0.00685	0.17042	polo-like kinase 4	Cytoplasm	kinase
483	ACSL4	-1,287	6,296	0.00691	0.17117	acyl-CoA synthetase long-chain family member 4	Cytoplasm	enzyme
484	PAN3-AS1	-3,554	2,954	0.0069	0.17117	PAN3 antisense RNA 1	Other	other
485	WNT10A	3,634	3,470	0.00696	0.17207	wingless-type MMTV integration site family, member 10A	Extracellular Space	other
486	NEDD4	4,173	2,603	0.00703	0.17318	neural precursor cell expressed, developmentally down-regulated 4, E3 ubiquitin protein ligase	Cytoplasm	enzyme
487	GIT2	1,024	7,224	0.00703	0.17318	G-protein-coupled receptor kinase interacting ArfGAP 2	Nucleus	other
488	CATSPER2	-3,051	3,613	0.00705	0.17329	ion channel, sperm associated 2	Plasma Membrane	ion channel
489	LRRC34	-5,810	2,437	0.00712	0.17454	leucine rich repeat containing 34	Other	other
490	SPEC1	1,934	5,586	0.00714	0.17456	sperm antigen with calpainin homology and coiled-coil domains 1	Nucleus	other
491	MAD1L1	1,583	5,771	0.00714	0.17456	MAD1 mitotic arrest deficient-like 1 (yeast)	Nucleus	other
492	S1PR1	1,022	8,700	0.00717	0.17479	sphingosine-1-phosphate receptor 1	Plasma Membrane	G-protein coupled receptor
493	STAMBP1L1	1,471	5,751	0.0072	0.17515	STAM binding protein-like 1	Other	other
494	C1orf26	-5,376	2,174	0.00722	0.17533	chromosome 4 open reading frame 26	Other	other
495	TTC5	-1,255	6,216	0.00732	0.17729	tetratricopeptide repeat domain 5	Nucleus	other
496	KLRB1	1,011	8,628	0.00743	0.17967	killer cell lectin-like receptor subfamily B, member 1	Plasma Membrane	transmembrane receptor
497	C20orf112	0,926	7,967	0.00746	0.18005	nucleolar protein 4-like	Other	other
498	HHAT	3,508	3,538	0.00753	0.1811	hedgohog acyltransferase	Cytoplasm	enzyme
499	ALDH1A2	-3,923	3,780	0.00753	0.1811	aldehyde dehydrogenase 1 family, member A2	Cytoplasm	enzyme
500	KDM8	2,355	4,200	0.00761	0.18248	lysine (K)-specific demethylase 8	Nucleus	other
501	SIGIRR	1,424	6,285	0.00773	0.184	single immunoglobulin and toll-interleukin 1 receptor (TIR) domain	Plasma Membrane	transmembrane receptor
502	YWHAQ	-0,986	7,439	0.0077	0.184	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta	Cytoplasm	enzyme
503	CA2	-2,445	5,371	0.00773	0.184	carbonic anhydrase II	Cytoplasm	enzyme
504	MSA4I	-4,608	7,555	0.0077	0.184	membrane-spanning 4-domains, subfamily A, member 1	Plasma Membrane	other
505	HIST1H1E	2,969	4,037	0.00781	0.18527	histone cluster 1, H1e	Nucleus	other
506	ORMDL2	-1,398	5,841	0.0078	0.18527	ORMDL sphingolipid biosynthesis regulator 2	Cytoplasm	other
507	CDKN1A	1,237	8,910	0.00784	0.18549	cyclin-dependent kinase inhibitor 1A (p21, Cip1)	Cytoplasm	kinase
508	ZNF135	2,121	4,821	0.00787	0.18583	zinc finger protein 135	Nucleus	transcription regulator
509	HNRNPAB	-1,539	5,795	0.00791	0.18634	heterogeneous nuclear ribonucleoprotein A/B	Nucleus	enzyme
510	GNL1	1,131	6,568	0.00803	0.18837	guanine nucleotide binding protein-like 1	Nucleus	other
511	P2RY10	1,038	7,271	0.00803	0.18837	purinergic receptor P2Y, G-protein coupled, 10	Plasma Membrane	G-protein coupled receptor
512	MYLK	-2,687	4,491	0.00804	0.18837	myosin light chain kinase	Cytoplasm	kinase
513	FBXL17	2,481	4,382	0.00821	0.19145	F-box and leucine-rich repeat protein 17	Other	other
514	ADAM12	1,734	5,391	0.00822	0.19145	ADAM metallopeptidase domain 12	Plasma Membrane	peptidase
515	USP6	-5,238	2,097	0.00822	0.19145	ubiquitin specific peptidase 6	Cytoplasm	peptidase
516	OSBPL5	4,129	2,575	0.00825	0.19175	oxysterol binding protein-like 5	Cytoplasm	other
517	GRAMD4	3,087	3,215	0.00827	0.19185	GRAM domain containing 4	Other	other
518	C14orf45	-2,968	3,962	0.00831	0.19216	coiled-coil domain containing 176	Other	other
519	RTP4	-3,148	4,062	0.00833	0.19216	receptor (chemosensory) transporter protein 4	Plasma Membrane	other
520	OSCP1	-4,046	2,605	0.00832	0.19216	organic solute carrier partner 1	Other	other
521	RNF165	2,692	4,728	0.00837	0.19248	ring finger protein 165	Nucleus	other
522	CMAHP	1,864	5,380	0.00837	0.19248	cytidine monophospho-N-acetylneuraminic acid hydroxylase, pseudogene	Cytoplasm	other
523	STARD7	-0,927	7,670	0.00843	0.19345	STAR-related lipid transfer (START) domain containing 7	Other	other
524	EPB41L3	3,638	2,924	0.0085	0.19451	erythrocyte membrane protein band 4.1-like 3	Plasma Membrane	other
525	CCDC50	-3,027	5,073	0.00855				

528	WDR4	-2.598	4.377	0.00867	0.19724	WD repeat domain 4	Nucleus	other
529	IRF7	1.342	6.863	0.00872	0.19757	interferon regulatory factor 7	Nucleus	transcription regulator
530	POLR3D	-1.707	5.813	0.00873	0.19757	polymerase (RNA) III (DNA directed) polypeptide D, 44kDa	Nucleus	transcription regulator
531	TRBC2	-0.998	7.985	0.00876	0.19791	T cell receptor beta constant 2	Other	other
532	ZNF180	2.404	5.066	0.00885	0.1995	zinc finger protein 180	Nucleus	transcription regulator
533	ATP6V0E2	1.556	5.565	0.00894	0.20112	ATPase, H+ transporting V0 subunit e2	Cytoplasm	enzyme
534	PKN	1.296	6.538	0.00898	0.20135	paikillin	Cytoplasm	other
535	SMAD5	-1.291	6.834	0.00897	0.20135	SMAD family member 5	Nucleus	transcription regulator
536	PHPT1	-1.385	6.302	0.00902	0.20199	phosphatidic acid phosphatase 1	Cytoplasm	phosphatase
537	PSMA3	-0.881	8.356	0.00911	0.2032	proteasome (prosome, macropain) subunit, alpha type, 3	Cytoplasm	peptidase
538	MR1	-0.996	7.075	0.00911	0.2032	major histocompatibility complex, class I-related	Plasma Membrane	transmembrane receptor
539	CHD6	1.198	6.704	0.00915	0.20324	chromodomain helicase DNA binding protein 6	Nucleus	enzyme
540	LIG4	-1.398	6.041	0.00915	0.20324	ligase IV, DNA, ATP-dependent	Nucleus	enzyme
541	ACOT7	-2.969	4.014	0.00923	0.20468	acyl-CoA thioesterase 7	Cytoplasm	enzyme
542	MRPL18	-1.185	6.385	0.00928	0.20536	mitochondrial ribosomal protein L18	Cytoplasm	translation regulator
543	WDR58	-2.105	5.257	0.00935	0.20651	WD repeat domain 58	Other	other
544	LRP1	5.314	2.149	0.0094	0.20685	low density lipoprotein receptor-related protein 1	Plasma Membrane	transmembrane receptor
545	TRERF1	2.095	5.129	0.00939	0.20685	transcriptional regulating factor 1	Nucleus	transcription regulator
546	FOXO1	1.401	7.189	0.00946	0.2072	forkhead box O1	Nucleus	transcription regulator
547	RNF213	-0.993	9.514	0.00946	0.2072	ring finger protein 213	Cytoplasm	enzyme
548	RKL	-1.807	5.070	0.00944	0.2072	IRK-like	Nucleus	other
549	B3GALT6	-1.241	6.307	0.00957	0.20909	UDP-Gal(4-epi)Gal(1-3-galactosyl)transferase polypeptide 6	Cytoplasm	enzyme
550	RAP1GAP2	2.706	3.927	0.00967	0.20994	RAP1 GTPase activating protein 2	Cytoplasm	other
551	IFITM2	1.003	7.532	0.00965	0.20994	interferon induced transmembrane protein 2	Other	other
552	NDUFS8	-1.344	5.911	0.00969	0.20994	NADH dehydrogenase (ubiquinone) Fe-S protein 8, 23kDa (NADH-coenzyme Q reductase)	Cytoplasm	enzyme
553	FAH	-2.636	4.064	0.00965	0.20994	fumarylacetoacetate hydrolase (fumarylacetoacetase)	Cytoplasm	enzyme
554	LCMT2	-2.881	4.892	0.00968	0.20994	leucine carboxyl methyltransferase 2	Other	enzyme
555	AKIP1	1.955	4.843	0.00972	0.21017	A kinase (PRKA) interacting protein 1	Nucleus	other
556	PSMB5	-1.224	6.761	0.00977	0.21079	proteasome (prosome, macropain) subunit, beta type, 5	Cytoplasm	peptidase
557	SIPA1	1.358	6.166	0.00998	0.21104	signal-induced proliferation-associated 1	Cytoplasm	other
558	RASSF8	4.655	2.939	0.00991	0.21195	Ras association (RAGDS/AF-6) domain family (N-terminal) member 8	Extracellular Space	other
559	CLC3B	4.102	2.558	0.00999	0.21195	C-type lectin domain family 3, member 8	Extracellular Space	other
560	MGST2	2.601	3.985	0.00991	0.21195	microsomal glutathione S-transferase 2	Cytoplasm	enzyme
561	PTPNC1	1.243	6.421	0.00987	0.21195	phosphatidylinositol transfer protein, cytoplasmic 1	Cytoplasm	transporter
562	SQLE	-1.233	6.583	0.00995	0.21235	squalene epoxidase	Cytoplasm	enzyme
563	IFFO2	2.556	4.253	0.01	0.21267	intermediate filament family orphan 2	Other	other
564	APOL1	-1.653	5.836	0.01001	0.21267	apolipoprotein L, 1	Extracellular Space	transporter
565	PCED18	-2.429	5.621	0.01	0.21267	PC-esterase domain containing 18	Other	other
566	KIAA0196	-1.407	6.566	0.01011	0.21424	KIAA0196	Cytoplasm	other
567	ARID5A	1.245	8.214	0.01019	0.21524	AT rich interactive domain 5A (MRF1-like)	Nucleus	transcription regulator
568	B4GALT5	-3.449	5.556	0.01019	0.21524	UDP-Gal-beta-GlcNAc(6S) beta 1,4- galactosyltransferase, polypeptide 5	Cytoplasm	enzyme
569	IGSF6	3.121	4.331	0.01023	0.2154	immunoglobulin superfamily, member 6	Plasma Membrane	transmembrane receptor
570	DCAF4L1	-3.894	3.354	0.01022	0.2154	DBB1 and CUL4 associated factor 4-like 1	Other	other
571	TKK	-2.228	5.870	0.01027	0.21544	TKK tyrosine kinase	Cytoplasm	kinase
572	ZWINT	-5.302	2.134	0.01027	0.21544	ZW10 interacting kinteochore protein	Nucleus	other
573	DHX57	-1.442	5.819	0.01029	0.21545	DEAH (Asp-Glu-His-Asp/His) box polypeptide 57	Extracellular Space	other
574	SCN8A	3.205	3.201	0.01032	0.21578	sodium channel, voltage gated, type VIII alpha subunit	Plasma Membrane	ion channel
575	CEP70	3.106	3.132	0.01037	0.2163	centrosomal protein 70kDa	Cytoplasm	other
576	STK17B	1.042	9.065	0.01041	0.21678	serine/threonine kinase 17b	Nucleus	kinase
577	RCHY1	1.359	6.070	0.01045	0.21736	ring finger and CHY zinc finger domain containing 1, E3 ubiquitin protein ligase	Nucleus	enzyme
578	ZBTB20	0.961	8.012	0.01064	0.21885	zinc finger and BTB domain containing 20	Nucleus	other
579	PTPN22	0.890	7.658	0.01059	0.21885	protein tyrosine phosphatase, non-receptor type 22 (lymphoid)	Cytoplasm	phosphatase
580	ZNFX1	-0.918	8.311	0.01056	0.21885	zinc finger, NFX1-type containing 1	Nucleus	transcription regulator
581	SNX17	-0.946	7.927	0.01065	0.21885	sorting nexin 17	Cytoplasm	transporter
582	UBR2	-1.001	7.916	0.01065	0.21885	ubiquitin protein ligase E3 component n-recogin 2	Nucleus	other
583	HLF	-2.251	6.155	0.01057	0.21885	hepatic leukemia factor	Nucleus	transcription regulator
584	FCGR3A	-4.442	3.513	0.01065	0.21885	Fc fragment of IgG, low affinity IIIa, receptor (CD16a)	Plasma Membrane	transmembrane receptor
585	MAS14	1.594	7.618	0.01072	0.21992	microtubule associated serine/threonine kinase family member 4	Other	kinase
586	HRAS	-1.589	5.567	0.01084	0.22191	Harvey rat sarcoma viral oncogene homolog	Plasma Membrane	enzyme
587	WDR3	-1.560	6.079	0.01088	0.22248	WD repeat domain 3	Cytoplasm	other
588	ODF2	1.216	6.366	0.01091	0.22262	outer dense fiber of sperm tails 2	Cytoplasm	other
589	FSTL4	2.523	4.971	0.01102	0.22411	folliculin-like 4	Other	other
590	HS1BP3	-2.521	4.246	0.011	0.22411	HCLS1 binding protein 3	Other	other
591	ZNF518B	-1.362	6.030	0.01107	0.22481	zinc finger protein 518B	Other	other
592	ATP6V0E1	-0.914	7.666	0.01115	0.22557	ATPase, H+ transporting, lysosomal 9kDa, V0 subunit e1	Cytoplasm	transporter
593	YWHAE	-1.260	6.372	0.01118	0.22557	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon	Cytoplasm	other
594	BOLA3	-2.232	4.224	0.01116	0.22557	bola family member 3	Other	other
595	SLCS1A	-3.761	3.406	0.01118	0.22557	solute carrier family 5, alpha subunit	Plasma Membrane	transporter
596	GLO1	-0.989	7.365	0.01124	0.22627	glyoxalase 1	Cytoplasm	enzyme
597	SLC25A30	-3.483	3.009	0.01126	0.22627	solute carrier family 25, member 30	Cytoplasm	other
598	GRASP	1.969	4.734	0.01132	0.22711	GRP1 (general receptor for phosphoinositides 1)-associated scaffold protein	Plasma Membrane	other
599	FAM82A1	3.864	2.765	0.01139	0.22712	regulator of microtubule dynamics 2	Cytoplasm	other
600	ZNF154	1.535	5.552	0.01138	0.22712	zinc finger protein 154	Nucleus	transcription regulator
601	KCNK6	1.380	5.972	0.01135	0.22712	potassium channel, two pore domain subfamily K, member 6	Plasma Membrane	ion channel
602	KLHDC4	-1.384	6.083	0.01139	0.22712	kelch domain containing 4	Other	other
603	ALDH18A1	1.230	6.194	0.01144	0.22764	aldehyde dehydrogenase 18 family, member A1	Cytoplasm	kinase
604	DCTN2	-0.940	7.935	0.01147	0.22787	dynactin 2 (p50)	Cytoplasm	other
605	CDK4	-1.542	5.676	0.01149	0.22787	cyclin-dependent kinase 4	Nucleus	kinase
606	IKBIP	-1.629	5.520	0.01156	0.22886	IKKB interacting protein	Cytoplasm	other
607	SQRDL	-1.241	6.396	0.01165	0.22996	sulfide quinone reductase-like (yeast)	Cytoplasm	enzyme
608	DTX3L	-1.306	7.252	0.01164	0.22996	dehox 3 like, E3 ubiquitin ligase	Cytoplasm	enzyme
609	STX1A	2.089	5.344	0.01171	0.23051	syntaxin 1A (breim)	Cytoplasm	transporter
610	RFK	-1.731	5.316	0.01172	0.23051	riboflavin kinase	Cytoplasm	kinase
611	XPO1	-1.049	7.956	0.01176	0.23092	exportin 1	Nucleus	transporter
612	DNAJA1	-0.933	9.074	0.01184	0.23208	DnaJ (Hsp40) homolog, subfamily A, member 1	Nucleus	other
613	CD6	-2.155	6.586	0.01188	0.23214	CD6 molecule	Plasma Membrane	transmembrane receptor
614	METRN	-2.869	3.667	0.01187	0.23214	metetrin, glial cell differentiation regulator	Extracellular Space	other
615	DTNB	1.623	5.765	0.01192	0.23255	dystrobrein, beta	Plasma Membrane	other
616	CDC47	3.484	4.169	0.01196	0.23306	cell division cycle associated 7	Nucleus	other
617	C2orf27A	-5.179	2.065	0.01207	0.23473	chromosome 2 open reading frame 27A	Other	other
618	ETV6	1.299	6.938	0.01211	0.23479	ets variant 6	Nucleus	transcription regulator
619	RASGRP3	-1.546	5.743	0.0121	0.23479	RAS guanyl releasing protein 3 (calcium and DAG-regulated)	Cytoplasm	other
620	ZNF483	3.826	2.446	0.01238	0.23579	zinc finger protein 483	Nucleus	transcription regulator
621	MP1	2.016	5.724	0.01226	0.23579	mannose 6-phosphate isomerase	Cytoplasm	enzyme
622	TET2	1.678	6.360	0.01222	0.23579	tet methylcytosine dioxygenase 2	Nucleus	other
623	SLC25A37	1.667	5.881	0.01222	0.23579	solute carrier family 25 (mitochondrial iron transporter), member 37	Cytoplasm	other
624	TP53BP1	0.934	7.317	0.01222	0.23579	tumor protein p53 binding protein 1	Nucleus	transcription regulator
625	TRDR7	-1.529	5.657	0.01226	0.23579	tudor domain containing 7	Cytoplasm	other
626	DDX398	1.426	5.812	0.01234	0.23624	DEAD (Asp-Glu-Ala-Asp) box polypeptide 398	Nucleus	enzyme
627	GLB1	1.097	7.433	0.01235	0.23624	galactosidase, beta 1	Cytoplasm	enzyme
628	CDC16	-1.077	6.713	0.01236	0.23624	cell division cycle 16	Nucleus	other
629	SPATA2L	2.604	4.468	0.01261	0.24061	spermatogenesis associated 2-like	Other	other
630	PTGR1	-3.658	2.436	0.01272	0.24224	prostaglandin reductase 1	Cytoplasm	enzyme
631	ZNF765	1.384	6.090	0.01284	0.24235	zinc finger protein 765	Other	other
632	RALGAP2	1.180	7.459	0.01277	0.24235	Rai GTPase activating protein, alpha subunit 2 (catalytic)	Cytoplasm	other
633	MICAL1	1.019	7.899	0.01283	0.24235	microtubule associated monooxygenase, calpain and LIM domain containing 1	Cytoplasm	enzyme
634	CCN1	0.816	9.395	0.01282	0.24235	cyclin 11	Nucleus	other
635	LGALS3	-1.416	6.927	0.01284	0.24235	lectin, galactoside-binding, soluble, 3	Extracellular Space	other
636	HSPA8P1	-1.588	5.176	0.01276	0.24235	heat shock 70kDa protein 8 pseudogene 1	Other	other
637	PP2D1	5.149	2.059	0.01295	0.24362	protein phosphatase 2C-like domain containing 1	Other	phosphatase
638	HDAC4	1.269	6.057	0.01295	0.24362	histone deacetylase 4	Nucleus	transcription regulator
639	ACAP1	1.018	8.220	0.01301	0.24412	ArfGAP with coiled-coil, ankyrin repeat and PH domains 1	Plasma Membrane	other
640	TMEM220A	-2.449	4.565	0.01302	0.24412	transmembrane protein 200A	Other	other
641	CYP2E1	2.174	5.351	0.01322	0.24703	cytochrome P450, family 2, subfamily E, polypeptide 1	Cytoplasm	enzyme
642	ARFRP1	-1.264	6.035	0.01324	0.24703	ADP-ribosylation factor related protein 1	Cytoplasm	enzyme
643	HDX	-2.815	3.914	0.01321	0.24703	highly divergent homeobox	Other	other
644	MYOM1	3.518	3.238	0.01327	0.24704	myomesin 1	Cytoplasm	other
645	MAP2K6	3.423	3.028	0.01335	0.24704	mitogen-activated protein kinase kinase 6	Cytoplasm	kinase
646	UBE2T	3.265	2.681	0.01333	0.24704	ubiquitin-conjugating enzyme E2T	Nucleus	enzyme
647	HKR1	1.154	6.858	0.01336	0.24704	HKR1, GLU-Kruppel zinc finger family member	Nucleus	other
648	HMGCR	-1.062	7.105	0.01331	0.24704	3-hydroxy-3-methylglutaryl-CoA reductase	Cytoplasm	enzyme
649	ANXA2	-1.161	6.704	0.01335	0.24704	annexin A2	Plasma Membrane	other
650	RNF166	1.070	6.716	0.01351	0.24908	ring finger protein 166	Other	other
651	CASP4	-0.861	7.789	0.01349	0.24908	caspase 4, apoptosis-related cysteine peptidase	Cytoplasm	peptidase
652	ALOX5AP	0.874	7.482	0.01354	0.24918	arachidonate 5-lipoxygenase-activating protein	Plasma Membrane	other
653	NOP2	-0.937	7.478	0.01358	0.24923	NOP2 nucleolar protein	Nucleus	other
654	EXOC1	-1.172	6.822	0.01357	0.24923	exocyst complex component 1	Cytoplasm	transporter
655	LLGL2	1.308	6.638	0.0136	0.24926	lethal giant larvae homolog 2 (Drosophila)	Cytoplasm	other
656	DPYSL2	1.261	6.175	0.01364	0.24948	dihydroxyimino-dinase-like 2	Cytoplasm	enzyme
657	NAAD20	-0.904	7.161	0.01369	0.25008	NAD(2)-acetyltransferase 20, NaB catalytic subunit	Cytoplasm	

660	DCHS1	3.384	3.925	0.01387	0.25122	dachshous cadherin-related 1	Plasma Membrane	other
661	APAF1	1.660	5.197	0.01382	0.25122	apoptotic peptidase activating factor 1	Cytoplasm	other
662	EGLN1	1.257	6.678	0.01388	0.25122	egl-9 family hypoxia-inducible factor 1	Cytoplasm	enzyme
663	DEF8	-1.418	5.514	0.01385	0.25122	differentially expressed in FDCP 8 homolog (mouse)	Other	other
664	SEPS5C5	-2.034	5.105	0.01391	0.25145	Sep (O-phosphoserine) tRNA-Sec (selenocysteine) tRNA synthase	Cytoplasm	enzyme
665	FBXO6	-2.550	4.636	0.01394	0.25167	F-box protein 6	Cytoplasm	other
666	PRDX6	-0.897	7.619	0.014	0.25189	peroxiredoxin 6	Cytoplasm	enzyme
667	LARP4	-1.170	6.647	0.01399	0.25189	La ribonucleoprotein domain family, member 4	Other	other
668	SLC35E4	3.575	2.757	0.01408	0.25258	solute carrier family 35, member E4	Other	other
669	IL2	2.874	4.837	0.01406	0.25258	Interleukin 2	Extracellular Space	cytokine
670	RORA	0.840	9.878	0.0141	0.25258	RAR-related orphan receptor A	Nucleus	ligand-dependent nuclear receptor
671	DST	-1.923	4.485	0.01412	0.25264	dystonin	Plasma Membrane	other
672	LMNB1	3.580	2.760	0.01433	0.25516	lamin B1	Nucleus	other
673	FGD3	0.820	8.437	0.01435	0.25516	FYVE, RhoGEF and PH domain containing 3	Cytoplasm	other
674	MYCBP	-1.650	5.482	0.01435	0.25516	MYC binding protein	Nucleus	transcription regulator
675	MXRA7	-2.963	3.865	0.01434	0.25516	matrix-remodelling associated 7	Other	other
676	SMYD3	1.497	5.844	0.01442	0.25594	SET and MYND domain containing 3	Nucleus	enzyme
677	EAF2	2.019	4.797	0.01446	0.25638	ELL associated factor 2	Nucleus	transcription regulator
678	PARK2	2.859	3.246	0.01445	0.25666	parkin RBR E3 ubiquitin protein ligase	Cytoplasm	enzyme
679	TRMT1	-1.032	6.620	0.01455	0.25727	RNA-methyltransferase 1 homolog (S. cerevisiae)	Extracellular Space	enzyme
680	PGK1	0.921	9.458	0.0147	0.25906	phosphoglycerate kinase 1	Cytoplasm	kinase
681	MSMO1	-1.096	6.836	0.01469	0.25906	methylsterol monooxygenase 1	Cytoplasm	enzyme
682	KDM5B	0.919	7.548	0.01482	0.26081	lysine [K]-specific demethylase 5B	Nucleus	transcription regulator
683	SH3TC1	1.737	5.471	0.01496	0.26179	SH3 domain and tetrapeptide repeats 1	Extracellular Space	other
684	PLEKHA2	0.962	7.129	0.01492	0.26179	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 2	Cytoplasm	other
685	E124	-1.057	6.904	0.01495	0.26179	etoposide induced 2.4	Other	other
686	GAP43	-3.863	3.713	0.01494	0.26179	growth associated protein 43	Plasma Membrane	other
687	CTCF	0.875	7.666	0.01502	0.26212	CCCTC-binding factor (zinc finger protein)	Nucleus	transcription regulator
688	SLCA10	-2.897	3.281	0.01501	0.26212	solute carrier family 4, sodium bicarbonate transporter, member 10	Plasma Membrane	transporter
689	PSMD10	-1.050	6.640	0.01521	0.26492	proteasome (prosome, macropain) 26S subunit, non-ATPase, 10	Cytoplasm	transcription regulator
690	DZANK1	3.216	2.932	0.01551	0.26678	double zinc ribbon and ankyrin repeat domains 1	Other	other
691	ABCG1	2.056	4.736	0.01539	0.26678	ATP-binding cassette, sub-family G (WHITE), member 1	Plasma Membrane	transporter
692	FAM168A	1.613	5.472	0.01547	0.26678	family with sequence similarity 168, member A	Other	other
693	CCT3	-0.796	8.349	0.01546	0.26678	chaperonin containing TCP1, subunit 3 (gamma)	Other	other
694	CLPTM1L	-0.977	7.001	0.01547	0.26678	CLPTM1-like	Other	other
695	BLMH	-1.025	6.633	0.01535	0.26678	bleomycin hydrolase	Cytoplasm	peptidase
696	RB1	-1.030	6.596	0.0154	0.26678	retinoblastoma 1	Nucleus	transcription regulator
697	VNN2	-2.678	4.692	0.01549	0.26678	vanin 2	Other	enzyme
698	CEBPD	-2.959	3.691	0.0155	0.26678	CCAAT/enhancer binding protein (C/EBP), delta	Nucleus	transcription regulator
699	FBLN5	1.505	5.527	0.01563	0.26806	fibulin 5	Extracellular Space	other
700	KAT6A	0.962	8.614	0.01563	0.26806	Kllysine) acetyltransferase 6A	Nucleus	enzyme
701	KCNMB4	3.479	2.757	0.01571	0.26892	potassium channel subfamily M regulatory beta subunit 4	Plasma Membrane	ion channel
702	KPNA2	-1.659	6.788	0.01574	0.26916	karyopherin alpha 2 (KAG cohort 1, importin alpha 1)	Nucleus	transporter
703	TMEM86B	2.960	2.890	0.01579	0.26924	transmembrane protein 86b	Cytoplasm	enzyme
704	RDBP	-0.963	7.070	0.01577	0.26924	negative elongation factor complex member E	Nucleus	other
705	GNPDA1	-1.408	6.064	0.01583	0.2695	glucosamine-6-phosphate deaminase 1	Cytoplasm	enzyme
706	PSMR2	-1.165	7.289	0.01588	0.27004	proteasome (prosome, macropain) subunit, beta type, 2	Cytoplasm	peptidase
707	DDX19A	1.172	6.365	0.01591	0.27008	DEAD (Asp-Glu-Ala-Asp) box polypeptide 19A	Nucleus	enzyme
708	YY1AP1	1.111	6.384	0.01595	0.27033	YY1 associated protein 1	Nucleus	other
709	RAN	-0.832	7.663	0.01609	0.27239	RAN, member RAS oncogene family	Nucleus	enzyme
710	MPP1	3.734	2.992	0.01622	0.27391	membrane protein, palmitoylated 1, 55kDa	Plasma Membrane	kinase
711	CLIC5	-1.566	5.432	0.01623	0.27391	chloride intracellular channel 5	Cytoplasm	ion channel
712	AREG	2.481	4.401	0.01631	0.2742	amphiregulin	Extracellular Space	growth factor
713	SUPT3H	1.788	5.169	0.01629	0.2742	suppressor of Ty 3 homolog (S. cerevisiae)	Nucleus	transcription regulator
714	BCKDHB	1.727	5.085	0.01628	0.2742	branched chain keto acid dehydrogenase E1, beta polypeptide	Cytoplasm	enzyme
715	CCT5	-0.980	7.704	0.01636	0.27462	chaperonin containing TCP1, subunit 5 (epsilon)	Cytoplasm	other
716	TSPAN13	-5.161	2.055	0.01639	0.27469	tetraspanin 13	Plasma Membrane	other
717	TP1	0.911	8.679	0.01643	0.27499	triosphosphate isomerase 1	Cytoplasm	enzyme
718	BATF3	-3.569	3.494	0.01652	0.27621	basic leucine zipper transcription factor, ATF-like 3	Nucleus	transcription regulator
719	RPS3AP34	2.016	4.545	0.01668	0.27813	ribosomal protein S3a pseudogene 34	Other	other
720	KIAA0317	-1.341	6.398	0.01666	0.27813	apoptosis resistant E3 ubiquitin protein ligase 1	Cytoplasm	enzyme
721	RNF138P1	3.900	2.292	0.01672	0.27843	ring finger protein 138, E3 ubiquitin protein ligase pseudogene 1	Other	other
722	TRAPP9	2.087	4.394	0.01689	0.28024	trafficking protein particle complex 9	Plasma Membrane	other
723	ORAI2	-0.921	7.272	0.01687	0.28024	ORAI calcium release-activated calcium modulator 2	Plasma Membrane	other
724	GZMB	-3.924	5.344	0.0169	0.28024	granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)	Cytoplasm	peptidase
725	TNFSF10	-1.726	8.213	0.01695	0.28061	tumor necrosis factor (ligand) superfamily, member 10	Extracellular Space	cytokine
726	FCGR2A	3.761	3.011	0.01699	0.28088	Fc fragment of IgG, low affinity Ila, receptor (CD32)	Plasma Membrane	transmembrane receptor
727	SPRY1	2.824	4.462	0.01703	0.28102	sprouty homolog 1, antagonist of FGF signaling (Drosophila)	Other	other
728	SAARCA2	0.985	7.855	0.01704	0.28102	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2	Nucleus	transcription regulator
729	ANK3	2.312	5.291	0.01714	0.28113	ankyrin 3, node of Ranvier (ankyrin G)	Plasma Membrane	other
730	BCAS3	1.785	5.966	0.01714	0.28113	breast carcinoma amplified sequence 3	Nucleus	other
731	RBX1	-0.984	6.714	0.01711	0.28113	ring-box 1, E3 ubiquitin protein ligase	Cytoplasm	enzyme
732	BEND4	-4.077	3.324	0.01709	0.28113	BEN domain containing 4	Other	other
733	NCOA7	0.889	7.300	0.01717	0.28125	nuclear receptor coactivator 7	Nucleus	transcription regulator
734	NRP2	-2.787	3.769	0.01727	0.28246	nuclear receptor binding protein 2	Cytoplasm	kinase
735	WNT11	5.003	1.985	0.01739	0.2827	wingless-type MMTV integration site family, member 11	Extracellular Space	other
736	CTGLF12P	4.078	2.397	0.01743	0.2827	centaurin, gamma-like family, member 12 pseudogene	Other	other
737	PREDL2	3.311	2.705	0.01745	0.2827	PREDL domain containing 2	Cytoplasm	other
738	TCTN2	2.838	3.705	0.01744	0.2827	tectonic family member 2	Extracellular Space	other
739	MYO1G	-1.296	6.545	0.01738	0.2827	myosin IG	Cytoplasm	other
740	PLBID2	-2.778	3.938	0.01732	0.2827	phospholipase B domain containing 2	Extracellular Space	other
741	QSO1	-3.706	3.798	0.01746	0.2827	QSO-like antigen 1	Nucleus	transcription regulator
742	VPS35	-0.807	8.503	0.0175	0.28316	vacuolar protein sorting 35 homolog (S. cerevisiae)	Cytoplasm	transporter
743	FKBP15	0.999	6.671	0.01756	0.28366	FK506 binding protein 15, 133kDa	Plasma Membrane	enzyme
744	SYNE3	2.378	4.542	0.01769	0.28539	spectrin repeat containing, nuclear envelope family member 3	Nucleus	other
745	GPATCH3	1.911	4.969	0.01781	0.28691	G patch domain containing 3	Other	other
746	DNHD1	1.382	5.826	0.01783	0.28691	dynein heavy chain domain 1	Cytoplasm	other
747	FMNL2	-2.482	3.906	0.0179	0.28767	formin-like 2	Cytoplasm	other
748	MIAT	-3.218	6.439	0.01794	0.28785	myocardial infarction associated transcript (non-protein coding)	Other	other
749	HTRA2	-1.419	5.494	0.01797	0.28796	HTRA serine peptidase 2	Cytoplasm	peptidase
750	ASNS	-1.177	7.040	0.01799	0.28799	asparagine synthetase (glutamine-hydrolyzing)	Cytoplasm	enzyme
751	IL17RB	-2.279	9.100	0.01802	0.28799	interleukin 17 receptor B	Plasma Membrane	transmembrane receptor
752	PANP9	-0.967	8.035	0.01818	0.28968	poly (ADP-ribose) polymerase family, member 9	Nucleus	enzyme
753	PTPN9	-1.516	5.728	0.01822	0.28968	protein tyrosine phosphatase, non-receptor type 9	Cytoplasm	phosphatase
754	ICOS	-1.817	7.392	0.01819	0.28968	inducible T-cell co-stimulator	Plasma Membrane	transmembrane receptor
755	TMEM19	-1.942	4.779	0.01821	0.28968	transmembrane protein 19	Other	other
756	IFT43	1.941	4.483	0.01829	0.29045	intraflagellar transport 43	Cytoplasm	other
757	LDHA	0.796	9.519	0.01834	0.29088	lactate dehydrogenase A	Cytoplasm	enzyme
758	CMAS	-1.146	6.391	0.01842	0.29168	cytidine monophosphate N-acetylneuraminic acid synthetase	Nucleus	enzyme
759	DPH2	-1.184	6.175	0.01853	0.29238	DPH2 homolog (S. cerevisiae)	Cytoplasm	other
760	PLA2G4C	-4.958	1.950	0.01853	0.29238	phospholipase A2, group IVC (cytosolic, calcium-independent)	Plasma Membrane	enzyme
761	GSTM2P1	-4.958	1.950	0.01854	0.29238	glutathione S-transferase mu 2 (muscle) pseudogene 1	Other	other
762	DIEXF	-1.205	6.452	0.01858	0.29265	digestive organ expansion factor homolog (zebrafish)	Nucleus	other
763	FSO2	-5.080	2.013	0.0186	0.29265	fibronectin type III and SPRY domain containing 2	Other	other
764	NTHL1	3.030	2.636	0.01863	0.29269	rhn endonuclease III-like 1 (E. coli)	Nucleus	enzyme
765	CPO	-1.054	6.457	0.01867	0.29289	carboxypeptidase D	Extracellular Space	peptidase
766	IL16	0.768	8.457	0.01876	0.29367	interleukin 16	Other	cytokine
767	THUMP03	-1.207	6.227	0.01876	0.29367	THUMP domain containing 3	Other	other
768	IL11RA	1.495	5.697	0.01882	0.2938	interleukin 11 receptor, alpha	Plasma Membrane	transmembrane receptor
769	PSME2	-1.169	7.593	0.0188	0.2938	proteasome (prosome, macropain) activator subunit 2 (PA28 beta)	Cytoplasm	peptidase
770	SPRTN	1.558	5.192	0.01889	0.29409	SprT-like N-terminal domain	Nucleus	other
771	XYLT1	1.164	6.048	0.01888	0.29409	xylosyltransferase I	Cytoplasm	enzyme
772	FEM1A	-2.423	3.903	0.01896	0.29477	fem-1 homolog a (C. elegans)	Nucleus	transcription regulator
773	HIST1H1C	1.974	4.686	0.01903	0.29546	histone cluster 1, H1c	Nucleus	other
774	CAS8	1.719	5.740	0.01913	0.29677	carbonic anhydrase VB, mitochondrial	Cytoplasm	enzyme
775	TAS2R4	-3.267	3.639	0.01916	0.29678	taste receptor, type 2, member 4	Plasma Membrane	G-protein coupled receptor
776	PLXDC2	2.342	4.642	0.01925	0.29782	plexin domain containing 2	Extracellular Space	other
777	DSBP1	1.024	6.555	0.01928	0.29782	coyesterol binding protein-like 3	Cytoplasm	other
778	PCDEG	3.572	2.017	0.01937	0.29831	phosphodiesterase 6G, cGMP-specific, rod, gamma	Cytoplasm	enzyme
779	UBE2A	-0.872	7.399	0.01934	0.29831	ubiquitin-conjugating enzyme E2A	Cytoplasm	enzyme
780	FAM127B	-1.917	4.941	0.01938	0.29831	family with sequence similarity 127, member B	Other	other
781	REEP6	3.481	3.134	0.01941	0.29834	receptor accessory protein 6	Plasma Membrane	other
782	F2RL1	2.064	5.502	0.01952	0.29835	coagulation factor II (thrombin) receptor-like 1	Plasma Membrane	G-protein coupled receptor
783	MLLT10	1.344	5.930	0.01944	0.29835	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila), translocated to, 10	Nucleus	transcription regulator
784	BIRC2	0.891	7.840	0.01953	0.29835	baculoviral IAP repeat containing 2	Nucleus	enzyme
785	VTI1B	-1.108	6.162	0.01953	0.29835	vesicle transport through interaction with t-SNAREs 1B	Plasma Membrane	transporter
786	RVR1	-3.248	2.747	0.01952	0.29835	ryanodine receptor 1 (skeletal)	Cytoplasm	ion channel
787	RAB11FIP1	1.331	6.068	0.01968	0.30024	RAB11 family interacting protein 1 (class I)	Cytoplasm	other
788	PIA2	0.819	8.870	0.01974	0.30074	pria2 ring finger 2, E3 ubiquitin protein ligase	Cytoplasm	enzyme
789	INPP4A	0.847	7.423	0.01994	0.30			

792	CARKD	-1.646	5.771	0.01988	0.30189	carbohydrate kinase domain containing	Cytoplasm	enzyme
793	PKFB2	-3.590	2.324	0.01989	0.30189	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 2	Cytoplasm	kinase
794	ZNF167	2.806	3.577	0.01998	0.30208	zinc finger with KRAB and SCAN domains 7	Nucleus	transcription regulator
795	NIPA2	-1.040	6.636	0.02003	0.30244	non imprinted in Prader-Willi/Angelman syndrome 2	Cytoplasm	other
796	KCTD17	2.148	4.172	0.02012	0.3032	potassium channel tetramerization domain containing 17	Other	other
797	FAIM	-1.869	4.792	0.02013	0.3032	Fas apoptotic inhibitory molecule	Plasma Membrane	other
798	TRAF5	1.006	8.023	0.02021	0.30402	TNF receptor-associated factor 5	Cytoplasm	transporter
799	UBE2Q2P3	1.437	5.315	0.02025	0.30423	ubiquitin-conjugating enzyme E2Q family member 2 pseudogene 2	Other	other
800	CDC144C	3.584	2.763	0.02038	0.30483	colled-coil domain containing 144C, pseudogene	Other	other
801	PCAT1	2.592	3.432	0.02039	0.30483	prostate cancer associated transcript 1 (non-protein coding)	Other	other
802	GALK2	1.502	5.633	0.02039	0.30483	galactokinase 2	Cytoplasm	kinase
803	CDC126	-1.568	5.593	0.02038	0.30483	colled-coil domain containing 126	Other	other
804	STON1	-3.644	2.915	0.02041	0.30483	stonin 1	Plasma Membrane	other
805	CLPB	-2.489	3.890	0.02045	0.30493	ClpB homolog, mitochondrial AAA ATPase chaperonin	Nucleus	transcription regulator
806	KIAA1279	-1.830	4.834	0.02049	0.30514	KIF1 binding protein	Cytoplasm	enzyme
807	EIF3J	-1.137	6.258	0.0206	0.30617	eukaryotic translation initiation factor 3, subunit J	Cytoplasm	transcription regulator
808	DCK	-1.246	6.308	0.02062	0.30617	deoxycytidine kinase	Nucleus	kinase
809	LY9	-1.895	6.373	0.02063	0.30617	lymphocyte antigen 9	Plasma Membrane	other
810	ASPH	1.155	6.544	0.02071	0.30687	aspartate beta-hydroxylase	Cytoplasm	enzyme
811	FAM107B	-0.738	9.068	0.02083	0.30883	family with sequence similarity 107, member B	Other	other
812	TMEM140	1.487	6.169	0.02101	0.31066	transmembrane protein 140	Other	other
813	BSP9	1.417	5.682	0.0211	0.31122	Bardet-Biedl syndrome 9	Extracellular Space	other
814	RALA	-0.993	7.044	0.02108	0.31122	v-rat simian leukemia viral oncogene homolog A (ras related)	Cytoplasm	enzyme
815	TRIM4	1.022	6.709	0.02115	0.31151	tripartite motif containing 4	Cytoplasm	other
816	SERGEF	2.219	4.807	0.02128	0.31152	secretion regulating guanine nucleotide exchange factor	Nucleus	other
817	CDKN2D	0.997	6.666	0.0212	0.31152	cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)	Cytoplasm	transcription regulator
818	SMG1	-0.746	8.347	0.02127	0.31152	SMG1 phosphatidylinositol 3-kinase-related kinase	Cytoplasm	kinase
819	CEBPG	-0.908	7.013	0.02122	0.31152	CCAAT/enhancer binding protein (C/EBP), gamma	Nucleus	transcription regulator
820	AMICA1	-0.923	6.680	0.02126	0.31152	adhesion molecule, interacts with CXADR antigen 1	Plasma Membrane	other
821	HUS1B	4.916	1.939	0.02143	0.31335	HUS1 checkpoint homolog b (S. pombe)	Other	other
822	TSPYL2	0.781	8.186	0.02146	0.31349	TSPY-like 2	Nucleus	other
823	PMN1	2.397	5.493	0.02153	0.31388	formin 1	Nucleus	other
824	FOXDC2P	2.106	3.984	0.0217	0.31388	pyridinal-dependent decarboxylase domain containing 2, pseudogene	Other	other
825	MAPKAPK5	1.008	6.572	0.02175	0.31388	MAPKAPK5 antisense RNA 1	Other	other
826	FAM120B	0.944	7.055	0.02157	0.31388	family with sequence similarity 120B	Other	other
827	TLE4	0.891	7.565	0.0217	0.31388	transducin-like enhancer of split 4	Nucleus	transcription regulator
828	MSN	-0.725	9.475	0.02166	0.31388	moesin	Plasma Membrane	other
829	PSMB9	-0.807	8.016	0.02174	0.31388	proteasome (prosome, macropain) subunit, beta type, 9	Cytoplasm	peptidase
830	PPT1	-0.890	8.127	0.02162	0.31388	palmitoyl-protein thioesterase 1	Cytoplasm	enzyme
831	ATP5E	-1.039	6.377	0.02175	0.31388	ATP synthase, H+ transporting, mitochondrial F1 complex, epsilon subunit	Cytoplasm	other
832	STX3	-1.961	4.909	0.02158	0.31388	syntaxin 3	Plasma Membrane	transporter
833	TNFSF13B	-2.080	4.383	0.02186	0.31507	tumor necrosis factor (ligand) superfamily, member 13b	Extracellular Space	cytokine
834	FLVCR1-AS	-3.001	2.540	0.02193	0.31576	FLVCR1 antisense RNA 1 (head to head)	Other	other
835	TMEM107	1.748	4.635	0.02217	0.31784	transmembrane protein 107	Other	other
836	MOCK1	1.718	5.436	0.02219	0.31784	hook microtubule-tethering protein 1	Cytoplasm	other
837	PRPF3	0.825	7.320	0.02224	0.31784	pre-mRNA processing factor 3	Nucleus	enzyme
838	DDX21	-0.991	8.062	0.02221	0.31784	DEAD (Asp-Glu-Ala-Asp) box helicase 21	Nucleus	enzyme
839	TXNDC17	-1.617	5.116	0.02214	0.31784	thioredoxin domain containing 17	Cytoplasm	enzyme
840	MTND4P12	-3.186	3.431	0.02224	0.31784	MT-ND4 pseudogene 12	Other	other
841	KLF4	3.141	2.638	0.02228	0.31799	Kruppel-like factor 4 (gut)	Nucleus	transcription regulator
842	SLC44A1	1.370	5.633	0.02239	0.31886	solute carrier family 44 (choline transporter), member 1	Plasma Membrane	transporter
843	KIAA0368	-0.820	7.437	0.02236	0.31886	KIAA0368	Cytoplasm	other
844	GLG1	0.857	8.101	0.02248	0.31899	golgi glycoprotein 1	Cytoplasm	other
845	FAR1	-1.066	6.607	0.02245	0.31899	fatty acyl CoA reductase 1	Cytoplasm	enzyme
846	YWHAH	-1.086	7.325	0.02246	0.31899	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta	Cytoplasm	transcription regulator
847	POLR2D	1.351	5.630	0.02251	0.31901	polymyrase (RNA) II (DNA directed) polypeptide D	Nucleus	enzyme
848	RNF14	-0.879	6.891	0.02251	0.31926	ring finger protein 14	Other	transcription regulator
849	FANCM	-1.403	5.994	0.02274	0.32152	Fanconi anemia, complementation group M	Nucleus	enzyme
850	FER	1.156	6.406	0.02278	0.32173	fer (fcs/fes related) tyrosine kinase	Cytoplasm	kinase
851	MKLN1	0.770	8.032	0.02284	0.322	mekulin 1, intracellular mediator containing kelch motifs	Cytoplasm	other
852	MUM1	-1.313	5.717	0.02285	0.322	melanoma associated antigen (mutated) 1	Nucleus	other
853	RBMXL1	-1.077	6.660	0.0229	0.32232	RNA binding motif protein, X-linked-like 1	Nucleus	other
854	C1orf21	-2.643	5.974	0.02296	0.32279	chromosome 1 open reading frame 21	Other	other
855	CHD1	0.736	8.180	0.02304	0.32312	chromodomain helicase DNA binding protein 1	Nucleus	enzyme
856	TGFB1	-1.129	6.360	0.02303	0.32312	transforming growth factor, beta receptor 1	Plasma Membrane	kinase
857	CCR7	-1.224	8.540	0.02307	0.32322	chemokine (C-C motif) receptor 7	Plasma Membrane	G-protein coupled receptor
858	MRPL55	1.049	6.534	0.02311	0.32335	mitochondrial ribosomal protein L55	Cytoplasm	other
859	LHPP	2.395	4.005	0.02331	0.32455	phosphotyrosine phosphohistidine inorganic pyrophosphatase	Cytoplasm	phosphatase
860	SEC31B	1.452	5.867	0.02341	0.32455	SEC31 homolog B (S. cerevisiae)	Other	other
861	LTN1	0.851	7.478	0.02334	0.32455	listerin E3 ubiquitin protein ligase 1	Nucleus	enzyme
862	PLEKHF1	0.846	7.794	0.02334	0.32455	pleckstrin homology domain containing, family F (with PVE domain) member 1	Cytoplasm	other
863	SYNGR2	-0.807	7.668	0.02329	0.32455	synaptogyrin 2	Cytoplasm	other
864	SAMD9L	-1.311	8.299	0.02336	0.32455	sterile alpha motif domain containing 9-like	Extracellular Space	other
865	TUBG1	-1.804	4.768	0.02323	0.32455	tubulin, gamma 1	Cytoplasm	other
866	CTSL1	-3.926	4.535	0.02337	0.32455	cathepsin L	Cytoplasm	peptidase
867	DZHHCL118	2.671	4.315	0.02352	0.32498	zinc finger, DHHC-type containing 118	Other	other
868	CDC123	-0.900	6.908	0.02351	0.32498	cell division cycle 123	Cytoplasm	other
869	TMEM126B	-0.952	6.717	0.02351	0.32498	transmembrane protein 126B	Other	other
870	SPINT2	1.302	5.616	0.02357	0.32523	serine peptidase inhibitor, Kunitz type, 2	Extracellular Space	other
871	LTAF	-1.156	7.620	0.02369	0.32659	lipopolysaccharide-induced TNF factor	Nucleus	transcription regulator
872	SARS	-0.726	8.714	0.02372	0.32865	senT-IRNA synthetase	Cytoplasm	enzyme
873	MTSDC1	1.185	6.085	0.02377	0.32894	S-nucleotide domain containing 1	Other	other
874	UBLCP1	-1.081	6.512	0.0238	0.32896	ubiquitin-like domain containing ETD phosphatase 1	Nucleus	phosphatase
875	SYNGR3	-3.190	3.095	0.02384	0.32708	synaptogyrin 3	Plasma Membrane	other
876	IL15	-2.687	3.697	0.02387	0.32717	interleukin 15	Extracellular Space	cytokine
877	PAM16	2.056	3.956	0.02406	0.32903	presequence translocase-associated motor 16 homolog (S. cerevisiae)	Cytoplasm	other
878	ARHGEF7	1.009	6.904	0.02406	0.32903	Rho guanine nucleotide exchange factor (GEF) 7	Cytoplasm	other
879	RGS19	1.293	5.831	0.02412	0.32948	regulator of G-protein signaling 19	Cytoplasm	other
880	PARP14	-0.836	8.552	0.02422	0.33005	poly (ADP-ribose) polymerase family, member 14	Cytoplasm	other
881	DES1	-1.403	6.256	0.02422	0.33005	desumoylating isopeptidase 1	Other	other
882	ZNF655	0.779	8.171	0.02428	0.33019	zinc finger protein 655	Nucleus	other
883	SLC25A39	-0.872	7.108	0.02427	0.33019	solute carrier family 25, member 39	Cytoplasm	other
884	POLR3A	-1.061	6.314	0.02432	0.33038	polymyrase (RNA) III (DNA directed) polypeptide A, 155kDa	Nucleus	enzyme
885	MRPS27	-0.822	7.301	0.02447	0.33203	mitochondrial ribosomal protein S27	Cytoplasm	other
886	NUP188	-1.082	6.979	0.02479	0.33597	nucleoporin 188Da	Nucleus	other
887	UROS	-1.259	5.982	0.02491	0.33725	uroporphyrinogen III synthase	Cytoplasm	enzyme
888	TAB3	1.106	6.669	0.025	0.33807	TGF-beta activated kinase 1/MAP3K7 binding protein 3	Cytoplasm	other
889	ZBTB20-AS	2.683	2.906	0.02508	0.33842	ZBTB20 antisense RNA 1	Other	other
890	HSPD1	-0.833	7.595	0.02509	0.33842	heat shock 60kDa protein 1 (chaperonin)	Cytoplasm	enzyme
891	ADAT1	-1.512	5.786	0.02518	0.33928	adenosine deaminase, tRNA-specific 1	Other	enzyme
892	RPS26P21	2.522	3.474	0.02525	0.33986	ribosomal protein S26 pseudogene 21	Other	other
893	C16orf54	1.385	5.339	0.02551	0.34187	chromosome 16 open reading frame 54	Extracellular Space	other
894	RAB27A	-0.995	6.767	0.02548	0.34187	RAB27A, member RAS oncogene family	Cytoplasm	enzyme
895	DDX1	-1.039	7.014	0.0255	0.34187	DEAD (Asp-Glu-Ala-Asp) box helicase 1	Nucleus	enzyme
896	ITC1B	-2.045	4.547	0.02547	0.34187	cilia and flagella associated protein 70	Cytoplasm	other
897	ADAM19	1.580	5.894	0.02563	0.34249	ADAM metalloproteinase domain 19	Plasma Membrane	peptidase
898	MAPK9	-1.135	6.087	0.02561	0.34249	mitogen-activated protein kinase 9	Cytoplasm	kinase
899	MSANTD4	-1.870	4.933	0.02564	0.34249	Myl/SANT-like DNA-binding domain containing 4 with coiled-coils	Nucleus	other
900	MNT	2.544	3.441	0.02572	0.34318	MAX network transcriptional repressor	Nucleus	transcription regulator
901	RNF157	2.307	4.607	0.02582	0.34334	ring finger protein 157	Other	other
902	SIPAL1	1.388	7.667	0.0258	0.34334	signal-induced proliferation-associated 1 like 1	Cytoplasm	other
903	DOCK3	-2.137	4.334	0.02581	0.34334	dedicator of cytokinesis 3	Cytoplasm	other
904	DICER1-AS	3.900	3.447	0.02591	0.34417	DICER1 antisense RNA 1	Other	other
905	CDYL2	-2.919	4.270	0.02595	0.34433	chromodomain protein, Y-like 2	Nucleus	other
906	PLXDC1	2.970	3.144	0.02601	0.3446	plexin domain containing 1	Plasma Membrane	other
907	FAM190B	-0.725	8.393	0.02606	0.3446	colled-coil serine-rich protein 2	Other	other
908	UNACU28	-4.737	1.844	0.02605	0.3446	DnaI (Hsp40) homolog, subfamily C, member 28	Other	other
909	LAYH	2.305	4.667	0.0261	0.3448	laylin	Plasma Membrane	other
910	MCEP2	0.823	7.191	0.02619	0.3452	methyl CpG binding protein 2	Nucleus	transcription regulator
911	PDCD6	-0.798	7.362	0.02622	0.3452	programmed cell death 6	Cytoplasm	other
912	ZNF879	-1.859	5.203	0.02622	0.3452	zinc finger protein 879	Other	other
913	CACYBP	-0.812	7.180	0.02631	0.34565	calcyclin binding protein	Nucleus	other
914	PSMB6	-0.852	7.760	0.0263	0.34565	proteasome (prosome, macropain) subunit, beta type, 6	Nucleus	peptidase
915	PPP2R1A	-0.772	8.254	0.02638	0.34615	protein phosphatase 2, regulatory subunit A, alpha	Cytoplasm	phosphatase
916	GADD45Gf1	-1.000	6.376	0.02648	0.34707	growth arrest and DNA-damage-inducible, gamma interacting protein 1	Nucleus	other
917	BAZ2B	1.161	7.722	0.02657	0.34787	bromodomain adjacent to zinc finger domain, 2B	Extracellular Space	other
918	PIPSK1A	-1.897	5.152	0.02665	0.34863	phosphatidylinositol-4-phosphate 5-kinase, type 1, alpha	Cytoplasm	kinase
919	BAIAP2	2.894	2.721	0.02671	0.34879	BAI1-associated protein 2	Plasma Membrane	kinase
920	PAPSS2	2.432	3.572	0.02685	0.34879	3'-phosphoadenosine 5'-phosphosulfate synthase 2	Cytoplasm	enzyme
921	GAC5	1.300	6.769	0.02674	0.34879	hsc70 molecular chaperone	Plasma Membrane	other
922								

924	GNB1	-0.745	8.022	0.02687	0.34879	guanine nucleotide binding protein (G protein), beta polypeptide 1	Plasma Membrane	enzyme
925	ZNF546	-1.525	5.543	0.02683	0.34879	zinc finger protein 546	Nucleus	other
926	HSPB1	-2.066	3.984	0.02694	0.34936	heat shock 27kDa protein 1	Cytoplasm	other
927	AP4M1	-1.973	4.504	0.02698	0.34949	adaptor-related protein complex 4, mu 1 subunit	Cytoplasm	transporter
928	CASP7	-1.288	5.982	0.02702	0.34954	caspase 7, apoptosis-related cysteine peptidase	Cytoplasm	peptidase
929	LCOR	0.900	6.996	0.02714	0.35077	ligand dependent nuclear receptor corepressor	Nucleus	transcription regulator
930	SMC6	-0.954	6.833	0.02728	0.35186	structural maintenance of chromosomes 6	Nucleus	other
931	OSGIN2	-1.422	5.856	0.02727	0.35186	oxidative stress induced growth inhibitor family member 2	Other	other
932	BCL2L2	-4.019	3.183	0.02739	0.35286	BCL2-like 2	Cytoplasm	other
933	IRF2BP2	1.050	6.861	0.02745	0.3529	interferon regulatory factor 2 binding protein 2	Nucleus	transcription regulator
934	MIR22HG	-1.237	7.381	0.02745	0.3529	MIR22 host gene	Other	other
935	AGAP4	2.767	2.479	0.02757	0.35409	ArfGAP with GTPase domain, ankyrin repeat and PH domain 6	Other	other
936	TMEM55A	2.182	4.490	0.02764	0.35421	transmembrane protein 55A	Other	phosphatase
937	PD5B	0.745	7.933	0.02764	0.35421	PD55 cohesin associated factor 8	Nucleus	other
938	COLQ	1.679	5.476	0.02781	0.35594	collagen-like tail subunit (single strand of homotrimer) of asymmetric acetylcholinesterase	Extracellular Space	enzyme
939	GNAI1	2.583	3.245	0.02788	0.3561	guanine nucleotide binding protein (G protein), alpha 11 (Gq class)	Plasma Membrane	enzyme
940	GBP3	-1.026	6.702	0.02787	0.3561	guanylate binding protein 3	Other	enzyme
941	GcorF108	-0.985	6.691	0.02792	0.35621	2'-deoxynucleoside 5'-phosphate N-hydrolase 1	Nucleus	other
942	CCDC171	3.504	3.537	0.02797	0.35652	coiled-coil domain containing 171	Other	other
943	PNRC1	0.740	7.902	0.02809	0.35707	proline-rich nuclear receptor coreactivator 1	Nucleus	other
944	VNS1ABP	0.729	9.321	0.0281	0.35707	influenza virus NS1A binding protein	Nucleus	other
945	PPM1M	-1.220	6.269	0.02807	0.35707	protein phosphatase, Mg2+/Mn2+ dependent, 1M	Nucleus	phosphatase
946	WDR86-AS	2.962	2.751	0.02829	0.35906	WDR86 antisense RNA.1	Other	other
947	LSL24D1	-0.842	7.144	0.02843	0.36047	ribosomal L24 domain containing 1	Nucleus	other
948	GYG1	-0.986	6.485	0.02846	0.36047	glycogenin 1	Cytoplasm	enzyme
949	IFT80	1.777	4.544	0.02851	0.36077	intraflagellar transport 80	Extracellular Space	other
950	TSR1	-1.109	6.085	0.02863	0.3619	TSR1, 20S rRNA accumulation, homolog (S. cerevisiae)	Nucleus	other
951	MTHFD1L	-1.271	6.037	0.02872	0.36223	methylentetrahydrofolate dehydrogenase (NADP+ dependent) 1-like	Cytoplasm	enzyme
952	SLC27A4	-1.735	4.527	0.02871	0.36223	solute carrier family 27 (fatty acid transporter), member 4	Plasma Membrane	transporter
953	TMC8	1.169	7.138	0.02878	0.36261	transmembrane channel-like 8	Cytoplasm	other
954	C1QBP	-0.879	6.995	0.02888	0.36352	complement component 1, q subcomponent binding protein	Cytoplasm	transcription regulator
955	TBC1D5	1.088	6.721	0.02894	0.36386	TBC1 domain family, member 5	Extracellular Space	other
956	DDX11L2	3.523	2.213	0.02916	0.36394	DDX11 (Asp-Glu-Ala-Asp/His) box helicase 11 like 2	Other	other
957	NAP1L5	3.038	3.238	0.02901	0.36394	nucleosome assembly protein 1-like 5	Other	other
958	HK2	2.664	5.065	0.02898	0.36394	hexokinase 2	Cytoplasm	kinase
959	FAHD2B	2.229	3.981	0.02915	0.36394	fumarylacetoacetate hydrolase domain containing 2B	Cytoplasm	other
960	CREM	1.015	7.629	0.02915	0.36394	cAMP responsive element modulator	Nucleus	transcription regulator
961	CHST11	0.929	7.154	0.02909	0.36394	carbohydrate (chondroitin 4) sulfotransferase 11	Cytoplasm	enzyme
962	ATR	-0.855	6.918	0.02913	0.36394	ATR serine/threonine kinase	Nucleus	kinase
963	TCF12	0.889	6.954	0.02941	0.36633	transcription factor 12	Nucleus	transcription regulator
964	C19orf70	-1.144	5.942	0.02947	0.36633	chromosome 19 open reading frame 70	Cytoplasm	other
965	NXT2	-1.813	5.339	0.02946	0.36633	nuclear transport factor 2-like export factor 2	Nucleus	transporter
966	TIGD6	-2.298	3.909	0.02941	0.36633	tigger transposable element derived 6	Nucleus	other
967	PLAC8	1.040	7.137	0.02974	0.36925	placenta-specific 8	Nucleus	other
968	TRAF6	1.101	6.329	0.03028	0.36961	TNF receptor-associated factor 6, E3 ubiquitin protein ligase	Cytoplasm	enzyme
969	BM11	1.100	6.004	0.02983	0.36962	BM1 proto-oncogene, polycomb ring finger	Nucleus	transcription regulator
970	IARS	-0.775	8.886	0.03014	0.3731	isoleucyl-tRNA synthetase	Cytoplasm	enzyme
971	ZC3H10	-1.901	4.501	0.03025	0.37414	zinc finger CCHC-type containing 10	Other	other
972	CCDC144B	1.794	5.198	0.03029	0.37425	coiled-coil domain containing 144B (pseudogene)	Other	other
973	TGFB3	2.542	4.016	0.03051	0.37559	transforming growth factor, beta 3	Extracellular Space	growth factor
974	LRPSL	2.087	4.092	0.0305	0.37559	low density lipoprotein receptor-related protein 5-like	Other	other
975	PTPRC	0.734	10.524	0.03044	0.37559	protein tyrosine phosphatase, receptor type, C	Plasma Membrane	phosphatase
976	GLRX	0.733	7.875	0.03059	0.37559	glutaredoxin (thioltransferase)	Cytoplasm	enzyme
977	PPP1R14B	-1.150	6.323	0.03062	0.37559	protein phosphatase 1, regulatory (inhibitor) subunit 14B	Cytoplasm	phosphatase
978	ACP2	-1.556	5.113	0.03062	0.37559	acid phosphatase 2, lysosomal	Cytoplasm	phosphatase
979	TRAF4	-3.322	3.894	0.03036	0.37559	TNF receptor-associated factor 4	Cytoplasm	other
980	UNC50	-0.834	6.806	0.03075	0.37674	unc-50 homolog (C. elegans)	Cytoplasm	other
981	SLCS2A2	-1.133	6.024	0.03086	0.37774	solute carrier family 52 (riboflavin transporter), member 2	Plasma Membrane	other
982	MARK2P8	2.809	2.739	0.03099	0.37856	MAP/microtubule affinity-regulating kinase 2 pseudogene 8	Other	other
983	ABCA5	0.781	7.263	0.03097	0.37856	ATP-binding cassette, sub-family A (ABC1), member 5	Plasma Membrane	transporter
984	SMYD2	0.864	6.882	0.03118	0.38049	SET and MYND domain containing 2	Cytoplasm	enzyme
985	PSMB8	-0.755	8.479	0.03136	0.38234	proteasome (prosome, macropain) subunit, beta type, 8	Cytoplasm	peptidase
986	THADA	1.022	6.592	0.03143	0.38277	thyroid adenoma associated	Other	other
987	TBK1	-0.918	7.037	0.03147	0.3829	TANK-binding kinase 1	Cytoplasm	kinase
988	TMEM120A	-1.731	6.719	0.0315	0.3829	transmembrane protein 120A	Other	other
989	TNIK	0.872	6.788	0.03165	0.38307	TRAF2 and NCK interacting kinase	Plasma Membrane	kinase
990	H3F3B	0.671	9.867	0.03159	0.38307	H3 histone, family 3A	Nucleus	other
991	SAMHD1	-0.990	8.191	0.03159	0.38307	SAM domain and HD domain 1	Nucleus	enzyme
992	PLOD3	-1.323	5.403	0.03162	0.38307	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3	Cytoplasm	enzyme
993	TMEM191A	3.422	2.158	0.03173	0.38364	transmembrane protein 191A (pseudogene)	Other	other
994	PSMA4	-0.795	8.037	0.0318	0.38378	proteasome (prosome, macropain) subunit, alpha type, 4	Cytoplasm	peptidase
995	ZNF16	-1.336	5.771	0.03179	0.38378	zinc finger protein 16	Nucleus	other
996	NAALADL1	1.722	4.917	0.03187	0.38379	N-acetylated alpha-linked acidic dipeptidase-like 1	Plasma Membrane	peptidase
997	PSMB4	-0.851	7.102	0.03186	0.38379	proteasome (prosome, macropain) subunit, beta type, 4	Cytoplasm	peptidase
998	TRAK2	0.859	7.100	0.03193	0.38383	trafficking protein, kinesin binding 2	Plasma Membrane	transporter
999	PSMA8	-0.017	2.382	0.03193	0.38383	proteasome (prosome, macropain) subunit, alpha type, 8	Nucleus	peptidase
1000	TFPI	2.707	3.985	0.03198	0.38404	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)	Extracellular Space	other
1001	C1orf27	0.965	6.563	0.03202	0.38412	chromosome 1 open reading frame 27	Other	other
1002	RECQL4	-4.025	2.915	0.03207	0.38432	RecQ protein-like 4	Nucleus	enzyme
1003	ZNF852	1.842	4.917	0.03223	0.38582	zinc finger protein 852	Other	other
1004	NFE2L2	-0.739	8.938	0.03226	0.38585	nuclear factor, erythroid 2-like 2	Nucleus	transcription regulator
1005	DHDGDH	1.736	5.220	0.03236	0.38626	D-2-hydroxyglutarate dehydrogenase	Cytoplasm	other
1006	FAM105A	-1.133	6.343	0.03239	0.38626	family with sequence similarity 105, member A	Other	other
1007	ARMC6	-2.106	5.199	0.03235	0.38626	armadillo repeat containing 6	Other	other
1008	MCM6	0.925	7.098	0.03254	0.38687	minichromosome maintenance complex component 6	Nucleus	enzyme
1009	C16orf62	-1.074	6.249	0.03249	0.38687	chromosome 16 open reading frame 62	Other	other
1010	NME1	-2.099	5.043	0.03254	0.38687	NME/NM23 nucleoside diphosphate kinase 1	Cytoplasm	kinase
1011	PPP2R3B-A	-3.415	2.226	0.03257	0.38687	long intergenic non-protein coding RNA 685	Other	other
1012	GNAQ	1.290	5.973	0.03268	0.38776	guanine nucleotide binding protein (G protein), q polypeptide	Plasma Membrane	enzyme
1013	SIRT5	1.875	4.468	0.03296	0.38806	sirtuin 5	Cytoplasm	enzyme
1014	ZNF616	1.420	5.117	0.03288	0.38806	zinc finger protein 616	Nucleus	other
1015	CRELD1	1.350	6.059	0.03277	0.38806	cysteine-rich with EGF-like domains 1	Other	other
1016	PPM1D	1.262	5.837	0.03295	0.38806	protein phosphatase, Mg2+/Mn2+ dependent, 1D	Cytoplasm	phosphatase
1017	HERC5	1.239	6.158	0.03283	0.38806	HECT and RLD domain containing E3 ubiquitin protein ligase 5	Cytoplasm	enzyme
1018	BRD8	-0.796	7.325	0.03295	0.38806	bromodomain containing 8	Nucleus	transcription regulator
1019	HDAC3	-0.864	7.285	0.03287	0.38806	histone deacetylase 3	Nucleus	transcription regulator
1020	COL4A4	-2.107	3.978	0.03276	0.38806	collagen, type IV, alpha 4	Extracellular Space	other
1021	RASSF7	0.969	6.578	0.03316	0.38939	Ras association (RalGDS/AF-6) domain family (N-terminal) member 7	Other	other
1022	RBL2	0.727	8.486	0.03313	0.38939	retinoblastoma-like 2	Nucleus	other
1023	CLCN3	-0.846	6.964	0.03317	0.38939	chloride channel, voltage-sensitive 3	Plasma Membrane	ion channel
1024	CORO2A	1.407	5.549	0.03332	0.39069	coronin, actin binding protein, 2A	Cytoplasm	other
1025	FMRI	-0.862	7.577	0.03346	0.39166	fragile X mental retardation 1	Nucleus	other
1026	MREG	-2.669	3.308	0.03346	0.39166	melanoregulin	Cytoplasm	other
1027	ITPKB	1.049	6.579	0.03356	0.39237	inositol-trisphosphate 3-kinase B	Cytoplasm	kinase
1028	ADARB2	-3.610	2.982	0.03359	0.39239	adenosine deaminase, RNA-specific, (B2 non-functional)	Nucleus	enzyme
1029	FAM227B	2.216	3.554	0.03364	0.39262	family with sequence similarity 227, member B	Other	other
1030	PLEK2	3.520	2.723	0.03378	0.39304	pleckstrin 2	Other	other
1031	SPPL3	-0.874	6.737	0.03377	0.39304	signal peptide peptidase like 3	Cytoplasm	peptidase
1032	TNFRSF18	-2.360	7.232	0.03372	0.39304	tumor necrosis factor receptor superfamily, member 18	Plasma Membrane	transmembrane receptor
1033	CDK5RAP3	0.863	6.887	0.03381	0.39305	CDK5 regulatory subunit associated protein 3	Nucleus	other
1034	SH3D21	3.019	3.177	0.03414	0.39344	SH3 domain containing 21	Cytoplasm	other
1035	SLC36A4	1.056	6.391	0.03421	0.39344	solute carrier family 36 (proton/amino acid symporter), member 4	Other	transporter
1036	CNCG2	0.990	7.067	0.03398	0.39344	cyclin G2	Nucleus	other
1037	PTTG1IP	0.940	7.455	0.03424	0.39344	pituitary tumor-transforming 1 interacting protein	Nucleus	other
1038	GSTP1	-0.708	8.233	0.03403	0.39344	glutathione S-transferase pi 1	Cytoplasm	enzyme
1039	USB1	-0.927	6.670	0.03408	0.39344	U6 snRNA biogenesis 1	Nucleus	enzyme
1040	PTK2B	-0.966	6.928	0.03418	0.39344	protein tyrosine kinase 2 beta	Cytoplasm	kinase
1041	GRSL1	-1.207	6.026	0.03407	0.39344	glutamyl-HHNA synthase [glutamine-hydrolyzing]-like 1	Cytoplasm	enzyme
1042	T12	-1.378	5.598	0.0342	0.39344	TEL2 interacting protein 2	Cytoplasm	other
1043	PEA15	-1.432	5.017	0.03422	0.39344	phosphoprotein enriched in astrocytes 15	Cytoplasm	transporter
1044	CAMTA2	-1.647	4.580	0.03416	0.39344	calmodulin binding transcription activator 2	Nucleus	other
1045	PSAT1P1	-4.667	1.813	0.03406	0.39344	phosphoserine aminotransferase 1 pseudogene 1	Other	other
1046	PFKL	0.907	7.610	0.03435	0.39439	phosphofructokinase, liver	Cytoplasm	kinase
1047	PARVG	1.139	5.755	0.03445	0.39471	parvin, gamma	Cytoplasm	other
1048	ELMO1	-0.763	7.190	0.03444	0.39471	engulfment and cell motility 1	Cytoplasm	other
1049	IGIP	-2.298	4.616	0.03459	0.39572	IgA-inducing protein	Other	other
1050	DNAH3	-3.621	2.989	0.0346	0.39572	dynein, axonemal, heavy chain 3	Extracellular Space	enzyme
1051	GcorF211	-1.119	6.330	0.03467	0.3961	acidic residue methyltransferase 1	Other	enzyme
1052	PRPSAP1	0.848	7.105	0.03476	0.39684	phosphoribosyl pyrophosphate synthetase-associated protein 1	Extracellular Space	other

1056	GNPTAB	-0.909	7.240	0.03503	0.39706	N-acetylglucosamine-1-phosphate transferase, alpha and beta subunits	Cytoplasm	enzyme
1057	ACSL3	-0.995	6.786	0.03511	0.39706	acyl-CoA synthetase long-chain family member 3	Cytoplasm	enzyme
1058	DYNLRB1	-1.013	6.156	0.03499	0.39706	dynein, light chain, roadblock-type 1	Cytoplasm	other
1059	BID	-1.031	6.440	0.0351	0.39706	BH3 interacting domain death agonist	Cytoplasm	other
1060	CASZ1	-2.488	2.991	0.03504	0.39706	castor zinc finger 1	Nucleus	enzyme
1061	PTGES3P2	-2.595	2.872	0.03515	0.39706			
1062	CCR2	-3.394	3.114	0.03489	0.39706	chemokine (C-C motif) receptor 2	Plasma Membrane	G-protein coupled receptor
1063	CNP2	-3.607	2.992	0.03502	0.39706	caprine II	Cytoplasm	other
1064	ZNF213	-2.092	4.209	0.03519	0.3972	zinc finger protein 213	Nucleus	transcription regulator
1065	CYTP	-0.741	8.536	0.03527	0.39769	cytohesin 1 interacting protein	Cytoplasm	other
1066	MAP3K8	-1.215	6.847	0.0353	0.39769	mitogen-activated protein kinase kinase kinase 8	Cytoplasm	kinase
1067	SLC25A24	-1.524	5.530	0.03534	0.39773	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 24	Cytoplasm	transporter
1068	XPO1	-0.832	7.210	0.03538	0.3978	exportin, tRNA	Nucleus	other
1069	CATSPERB	3.855	2.756	0.03603	0.39875	cat sper channel auxiliary subunit beta	Plasma Membrane	other
1070	FSCN1	3.655	2.155	0.03606	0.39875	fascin actin-bundling protein 1	Cytoplasm	other
1071	RTN4IP1	3.501	2.709	0.03574	0.39875	reticulon 4 interacting protein 1	Cytoplasm	enzyme
1072	PLCH2	2.686	3.066	0.03575	0.39875	phospholipase C, eta 2	Cytoplasm	enzyme
1073	SCD5	2.460	3.093	0.0357	0.39875	stearoyl-CoA desaturase 5	Cytoplasm	enzyme
1074	PDDC1	1.701	4.620	0.03572	0.39875	Parkinson disease 7 domain containing 1	Cytoplasm	other
1075	FAM188A	1.619	5.247	0.03606	0.39875	family with sequence similarity 188, member A	Nucleus	other
1076	SDSP1	1.138	8.854	0.03552	0.39875	Shwachman-Bodian-Diamond syndrome pseudogene 1	Other	other
1077	PPP1R16B	0.855	7.372	0.03603	0.39875	protein phosphatase 1, regulatory subunit 16B	Plasma Membrane	phosphatase
1078	ZFP36L2	0.667	9.094	0.03593	0.39875	ZFP36 ring finger protein-like 2	Nucleus	transcription regulator
1079	KATNA1	-1.130	6.134	0.03592	0.39875	katanin p60 (ATPase containing) subunit A 1	Cytoplasm	enzyme
1080	LINS2	-1.148	5.863	0.03561	0.39875	lin-52 DREAM MuvB core complex component	Nucleus	other
1081	GPA1	-1.180	6.338	0.03601	0.39875	glycosylphosphatidylinositol anchor attachment 1	Cytoplasm	enzyme
1082	GPATCH4	-1.193	5.592	0.03577	0.39875	G patch domain containing 4	Other	other
1083	ZNF583	-1.216	5.744	0.03598	0.39875	zinc finger protein 583	Nucleus	other
1084	PA2G4P4	-1.282	5.387	0.03574	0.39875	proliferation-associated 2G4 pseudogene 4	Other	other
1085	AIFM2	-2.938	3.862	0.03553	0.39875	apoptosis-inducing factor, mitochondrion-associated, 2	Cytoplasm	enzyme
1086	SNX24	-2.940	2.922	0.03602	0.39875	sorting nexin 24	Cytoplasm	transporter
1087	C3orf18	1.850	4.291	0.0364	0.39966	chromosome 3 open reading frame 18	Other	other
1088	TOM1	1.015	6.239	0.03633	0.39966	target of myb1 (chicken)	Cytoplasm	transporter
1089	C3orf37	0.990	6.462	0.03628	0.39966	5-hydroxymethylcytosine (hmC) binding, ES cell-specific	Other	other
1090	ANKRD36C	0.730	7.548	0.03643	0.39966	ankyrin repeat domain 36C	Other	other
1091	SLC6A6	-1.089	6.063	0.03626	0.39966	solute carrier family 6 (neurotransmitter transporter), member 6	Plasma Membrane	transporter
1092	WDR5	-1.956	4.476	0.03643	0.39966	WD repeat domain 5	Nucleus	other
1093	PDCD2L	-2.053	3.426	0.03637	0.39966	programmed cell death 2-like	Other	other
1094	LIF	-2.658	4.904	0.03638	0.39966	leukemia inhibitory factor	Extracellular Space	cytokine
1095	EGLN3	-2.811	3.318	0.03644	0.39966	egl-9 family hypoxia-inducible factor 3	Cytoplasm	enzyme
1096	C9orf89	-1.114	6.378	0.03656	0.40058	chromosome 9 open reading frame 89	Cytoplasm	other
1097	IBA57	1.976	4.072	0.03685	0.4024	IBA57, iron-sulfur cluster assembly homolog (S. cerevisiae)	Cytoplasm	other
1098	VIM	0.695	8.898	0.03686	0.4024	vimentin	Cytoplasm	other
1099	VVIP	-0.974	7.577	0.03676	0.4024	major vault protein	Nucleus	other
1100	WSR2	-1.049	6.098	0.03682	0.4024	WD repeat and SOCS box containing 2	Other	other
1101	NPTXR	2.515	3.164	0.03713	0.40246	neuronal pentraxin receptor	Plasma Membrane	transmembrane receptor
1102	VILL	1.935	4.352	0.03698	0.40246	villin-like	Cytoplasm	other
1103	SERINC5	0.983	6.868	0.03701	0.40246	serine incorporator 5	Plasma Membrane	transporter
1104	CLDN1	-0.703	8.294	0.03697	0.40246	claudin domain containing 1	Plasma Membrane	other
1105	RIC8A	-0.815	7.300	0.03704	0.40246	RIC8 guanine nucleotide exchange factor A	Cytoplasm	other
1106	ANXA2P2	-1.007	6.474	0.03711	0.40246	annexin A2 pseudogene 2	Cytoplasm	other
1107	ZDHHC7	-1.138	6.446	0.03709	0.40246	zinc finger, DHHC-type containing 7	Cytoplasm	enzyme
1108	GSTM4	-4.119	2.981	0.03707	0.40246	glutathione S-transferase mu 4	Cytoplasm	enzyme
1109	RCN1	-2.171	4.191	0.03725	0.40342	reticulocalbin 1, EF-hand calcium binding domain	Cytoplasm	other
1110	ZNF296	3.043	2.833	0.03737	0.40436	zinc finger protein 296	Nucleus	other
1111	C7orf50	-0.985	6.945	0.03748	0.40503	chromosome 7 open reading frame 50	Other	other
1112	DLG3	-2.165	4.168	0.0375	0.40503	discs, large homolog 3 (Drosophila)	Plasma Membrane	kinase
1113	GPR174	-1.799	4.518	0.03759	0.40563	G protein-coupled receptor 174	Plasma Membrane	G protein coupled receptor
1114	TDH	2.573	3.078	0.03767	0.40611	L-threonine dehydrogenase (pseudogene)	Other	other
1115	ALG3	-1.015	6.394	0.03774	0.40644	ALG3, alpha-1,3- mannosyltransferase	Cytoplasm	enzyme
1116	TNXL4A	-0.903	6.724	0.03782	0.40695	thioredoxin-like 4A	Nucleus	enzyme
1117	CHTF8	-1.198	5.917	0.03797	0.40818	CTF8, chromosome transmission fidelity factor 8 homolog (S. cerevisiae)	Cytoplasm	other
1118	KCTD10	-0.888	6.580	0.03808	0.40907	potassium channel tetramerization domain containing 10	Nucleus	ion channel
1119	LRP4	3.181	2.625	0.03846	0.40976	low density lipoprotein receptor-related protein 4	Extracellular Space	other
1120	ZNF615	1.585	5.260	0.03832	0.40976	zinc finger protein 615	Nucleus	other
1121	ERVK3-1	1.184	5.831	0.03856	0.40976	endogenous retrovirus group K3, member 1	Other	other
1122	EXO4	1.104	6.711	0.03839	0.40976	exocyst complex component 4	Cytoplasm	transporter
1123	PDLM5	0.928	8.759	0.03848	0.40976	POZ and LIM domain 5	Cytoplasm	other
1124	ATP6V0D1	-0.824	7.465	0.03853	0.40976	ATPase, H+ transporting, lysosomal 38kDa, V0 subunit d1	Cytoplasm	transporter
1125	CAPN5	-0.881	6.698	0.03834	0.40976	calpain, small subunit 1	Cytoplasm	peptidase
1126	USP10	-0.949	6.776	0.03826	0.40976	ubiquitin specific peptidase 10	Cytoplasm	peptidase
1127	RHOBTB3	-1.387	6.641	0.0383	0.40976	Rho-related BTB domain containing 3	Cytoplasm	enzyme
1128	SLC25A35	-2.213	3.520	0.03836	0.40976	solute carrier family 25, member 35	Cytoplasm	other
1129	ZFP28	-2.379	4.101	0.0385	0.40976	ZFP28 zinc finger protein	Nucleus	other
1130	BCAT1	-2.588	4.034	0.03826	0.40976	branched chain amino-acid transaminase 1, cytosolic	Cytoplasm	enzyme
1131	DLCLRE1A	-2.861	4.041	0.03859	0.40981	DNA cross-link repair 1A	Nucleus	other
1132	ENGASE	1.223	5.760	0.03882	0.41152	endo-beta-N-acetylglucosaminidase	Other	enzyme
1133	RAB31	-2.442	4.339	0.03882	0.41152	RAB31, member RAS oncogene family	Cytoplasm	enzyme
1134	PLXNA3	-1.897	4.312	0.03888	0.4117	plexin A3	Plasma Membrane	transmembrane receptor
1135	NFL3	1.212	5.662	0.03894	0.41202	nuclear factor, interleukin 3 regulated	Nucleus	transcription regulator
1136	ZNF418	3.426	3.403	0.03802	0.41247	zinc finger protein 418	Nucleus	other
1137	MIIP	-1.082	6.094	0.03905	0.41247	migration and invasion inhibitory protein	Other	other
1138	ODC1	-0.967	7.193	0.03919	0.41326	ornithine decarboxylase 1	Cytoplasm	enzyme
1139	IFIH1	-1.274	6.420	0.03919	0.41326	interferon induced with helicase C domain 1	Nucleus	enzyme
1140	SENP7	0.696	7.876	0.03928	0.41326	SUMO1/sentin specific peptidase 7	Nucleus	peptidase
1141	IPCEF1	-2.088	4.742	0.03932	0.41326	interaction protein for cytohesin exchange factors 1	Cytoplasm	enzyme
1142	CCNF	-3.335	3.689	0.03933	0.41326	cyclin F	Nucleus	other
1143	ARG2	-3.648	2.657	0.03924	0.41326	arginase 2	Cytoplasm	enzyme
1144	EIF5A2	-1.434	5.355	0.0394	0.41366	eukaryotic translation initiation factor 5A2	Cytoplasm	translation regulator
1145	ASB13	2.839	3.975	0.03959	0.41381	ankyrin repeat and SOCS box containing 13	Other	other
1146	SNHG7	1.525	4.785	0.03951	0.41381	small nucleolar RNA host gene 7	Other	other
1147	FAM131A	1.274	5.510	0.03956	0.41381	family with sequence similarity 13, member A	Cytoplasm	other
1148	WDR11	-0.785	7.446	0.03959	0.41381	WD repeat domain 11	Cytoplasm	other
1149	DNAJA4	-1.254	5.980	0.03959	0.41381	DnaJ (Hsp40) homolog, subfamily A, member 4	Nucleus	other
1150	ARRDC2	0.694	8.345	0.03973	0.41461	arrestin domain containing 2	Other	other
1151	SLCRA1	-3.528	2.109	0.03974	0.41461	solute carrier family 8 (sodium/calcium exchanger), member 1	Plasma Membrane	transporter
1152	CYBSR4	1.022	6.606	0.03985	0.41546	cytochrome b5 reductase 4	Cytoplasm	enzyme
1153	MAPKAPK5	1.369	5.538	0.04001	0.41671	mitogen-activated protein kinase-activated protein kinase 5	Cytoplasm	kinase
1154	TLCD1	-3.902	2.831	0.04007	0.417	TLC domain containing 1	Other	other
1155	GLT2SD1	1.183	5.699	0.04027	0.4187	collagen beta(1-O)galactosyltransferase 1	Cytoplasm	other
1156	MARCKSL1	-1.531	4.818	0.04044	0.41973	MARCKS-like 1	Cytoplasm	other
1157	PLEKH81	-3.341	4.387	0.04041	0.41973	pleckstrin homology domain containing, family B (evectins) member 1	Cytoplasm	other
1158	PKFB4	2.580	5.764	0.04051	0.42014	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4	Cytoplasm	kinase
1159	KIAA1958	2.567	4.482	0.04055	0.42014	KIAA1958	Other	other
1160	CABP4	2.842	2.457	0.04066	0.4203	calcium binding protein 4	Plasma Membrane	other
1161	CWF19L1	1.027	6.246	0.04067	0.4203	CWF19-like 1, cell cycle control (S. pombe)	Other	other
1162	C20orf20	-1.231	5.546	0.04063	0.4203	WRG/MORF4L binding protein	Nucleus	other
1163	NPC2	-1.184	6.062	0.04082	0.4215	Niemann-Pick disease, type C2	Extracellular Space	other
1164	KANK3	3.116	3.714	0.04103	0.42329	KN motif and ankyrin repeat domains 3	Cytoplasm	other
1165	C4orf29	1.083	6.344	0.04117	0.42443	chromosome 4 open reading frame 29	Other	other
1166	PSMC3	-0.910	7.157	0.04131	0.42546	proteasome (prosome, macropain) 26S subunit, ATPase, 3	Nucleus	transcription regulator
1167	HDAC1	-0.742	7.249	0.04145	0.42652	histone deacetylase 1	Nucleus	transcription regulator
1168	OASL	-1.691	6.022	0.04166	0.42836	2'-5'-oligoadenylate synthetase-like	Cytoplasm	enzyme
1169	CALR	-0.973	6.437	0.04182	0.42963	calreticulin	Cytoplasm	transcription regulator
1170	PLIN2	-0.819	8.077	0.04194	0.43047	perilipin 2	Plasma Membrane	other
1171	INSL3	2.921	3.394	0.04203	0.4306	insulin-like 3 (Leydig cell)	Extracellular Space	growth factor
1172	CCDC124	-1.009	6.287	0.04206	0.4306	coiled-coil domain containing 124	Other	other
1173	LBN	-1.975	5.934	0.04199	0.4306	limb bud and heart development	Nucleus	transcription regulator
1174	TARS2	-1.202	5.376	0.04221	0.43137	threonyl-tRNA synthetase-like 2	Other	enzyme
1175	XAP	-0.934	6.427	0.04228	0.43137	X-linked inhibitor of apoptosis, E3 ubiquitin protein ligase	Cytoplasm	enzyme
1176	PLAT	-2.937	3.225	0.04221	0.43137	plasminogen activator, tissue	Extracellular Space	peptidase
1177	DNAJC6	-3.214	3.429	0.04228	0.43137	DnaJ (Hsp40) homolog, subfamily C, member 6	Cytoplasm	other
1178	BNIP3	1.468	5.106	0.0424	0.4315	BC12/adrenovirus E1B 19kDa interacting protein 3	Cytoplasm	other
1179	TPST2	1.203	5.522	0.04243	0.4315	tyrosylprotein sulfotransferase 2	Cytoplasm	enzyme
1180	SYAP1	0.825	6.879	0.04235	0.4315	synapse associated protein 1	Nucleus	other
1181	ZNF500	-1.626	5.198	0.04243	0.4315	zinc finger protein 500	Nucleus	other
1182	CYTH1	0.845	8.203	0.04254	0.43227	cytohesin 1	Cytoplasm	other
1183	TMEM33	-0.942	6.607	0.04271	0.43288	transmembrane protein 33	Cytoplasm	other
1184	POMT2	-2.961	3.755	0.04268	0.43288	protein-O-mannosyltransferase 2	Cytoplasm	enzyme
1185	ADN	-3.341	3.903	0.04265	0.43288	adrenomedullin	Extracellular Space	other
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1188	ZNF181	-1,220	5,375	0,0429	0,4337	zinc finger protein 181		Other	other
1189	SULF2	3,292	3,227	0,04306	0,4349	sulfatase 2		Plasma Membrane	enzyme
1190	MRPL51	-0,902	6,548	0,04336	0,43765	mitochondrial ribosomal protein L51		Cytoplasm	other
1191	OXNAD1	-1,447	6,072	0,04341	0,43779	oxireductase NAD-binding domain containing 1		Cytoplasm	transporter
1192	MDI2		3,923	2,802	0,04364	0,43907	midline 2	Cytoplasm	other
1193	STKA		0,716	9,492	0,04372	0,43907	serine/threonine kinase 4	Cytoplasm	kinase
1194	LEPOT	-0,904	6,616	0,04358	0,43907	leptin receptor overlapping transcript		Plasma Membrane	other
1195	SRNP25	-1,511	5,397	0,04371	0,43907	small nuclear ribonucleoprotein 2540a (U11/A12)		Nucleus	other
1196	B3GALT2	-1,767	4,653	0,04367	0,43907	UDP-Gal-4-epiGal4:beta 1,3-galactosyltransferase, polypeptide 2		Cytoplasm	enzyme
1197	SLCA7	0,742	7,475	0,04381	0,43955	solute carrier family 4, sodium bicarbonate cotransporter, member 7		Plasma Membrane	transporter
1198	AFAP1	-3,494	3,421	0,04387	0,43978	actin filament associated protein 1		Cytoplasm	other
1199	MCL1	0,738	8,055	0,04401	0,44083	myeloid cell leukemia 1		Cytoplasm	transporter
1200	ZRSR2	1,232	5,430	0,04407	0,44103	zinc finger (CCCH type), RNA-binding motif and serine/arginine rich 2		Nucleus	other
1201	CLASP2	0,868	6,941	0,04422	0,44223	cytoplasmic linker associated protein 2		Cytoplasm	other
1202	IF16	1,580	4,569	0,04431	0,44273	interferon, alpha-inducible protein 6		Cytoplasm	other
1203	DNAJC3	-0,773	7,387	0,0444	0,44326	DnaJ (Hsp40) homolog, subfamily C, member 3		Cytoplasm	other
1204	PMS2CL	2,014	3,204	0,04449	0,44349	PMS2 C-terminal like pseudogene		Other	other
1205	PABPC1L	1,472	5,583	0,04453	0,44349	poly(A) binding protein, cytoplasmic 1-like		Cytoplasm	other
1206	TME65DA	-0,691	8,134	0,04457	0,44349	transmembrane protein 50A		Plasma Membrane	other
1207	APOA1BP	-0,975	6,533	0,04456	0,44349	apolipoprotein A-1 binding protein		Extracellular Space	enzyme
1208	CRY2	-1,213	5,468	0,04465	0,44355	crystallin, beta (guanine reductase)		Cytoplasm	enzyme
1209	CD2	-2,078	6,592	0,04462	0,44355	CD2 molecule		Plasma Membrane	transmembrane receptor
1210	MFAP1	-1,044	6,461	0,04476	0,44423	microfibrillar-associated protein 1		Extracellular Space	other
1211	DNAIB1	-0,820	7,982	0,04487	0,44469	DnaJ (Hsp40) homolog, subfamily B, member 1		Nucleus	other
1212	G6PC3	-1,882	3,869	0,04488	0,44469	glucose 6 phosphatase, catalytic, 3		Cytoplasm	phosphatase
1213	AKAP1	3,589	2,121	0,04493	0,44487	adenylate kinase 4 pseudogene 1		Other	other
1214	ITFG3	1,611	4,828	0,04524	0,4458	integrin alpha FG-GAP repeat containing 3		Other	other
1215	PARG	1,561	5,122	0,04535	0,4458	poly (ADP-ribose) glycohydrolase		Cytoplasm	enzyme
1216	IRS2	1,234	7,086	0,04524	0,4458	insulin receptor substrate 2		Cytoplasm	enzyme
1217	AKR1B1	-0,813	7,083	0,0454	0,4458	aldo-keto reductase family 1, member B1 (aldose reductase)		Cytoplasm	enzyme
1218	SPTLC2	-0,851	6,629	0,04519	0,4458	serine palmitoyltransferase, long chain base subunit 2		Cytoplasm	enzyme
1219	RALBP1	-0,911	6,612	0,04532	0,4458	ralA binding protein 1		Cytoplasm	enzyme
1220	EIF4E	-1,005	5,990	0,04512	0,4458	eukaryotic translation initiation factor 4E		Cytoplasm	transcription regulator
1221	HSPE1	-1,377	5,040	0,04537	0,4458	heat shock 10kDa protein 1		Cytoplasm	other
1222	CCDC142	-2,227	5,046	0,04518	0,4458	coiled-coil domain containing 142		Other	other
1223	GPR114	-2,801	4,019	0,04525	0,4458	adhesion G protein-coupled receptor G5		Plasma Membrane	G-protein coupled receptor
1224	MBD1	0,872	6,724	0,04548	0,44593	methyl-CpG binding domain protein 1		Nucleus	transcription regulator
1225	SPCS3	0,752	7,786	0,04545	0,44593	signal peptidase complex subunit 3 homolog (S. cerevisiae)		Cytoplasm	peptidase
1226	SPATA7	3,213	2,527	0,04565	0,44652	spermatogenesis associated 7		Other	other
1227	MGAT4B	-1,235	6,134	0,04563	0,44652	mannosyl (alpha-1,3)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme B		Cytoplasm	enzyme
1228	TIMM8A	-1,644	4,379	0,04565	0,44652	translocase of inner mitochondrial membrane 8 homolog A (yeast)		Cytoplasm	other
1229	IFRD2	-0,994	6,475	0,04573	0,44685	interferon-related developmental regulator 2		Nucleus	other
1230	SH2D2A	0,822	6,987	0,0458	0,4472	SH2 domain containing 2A		Cytoplasm	other
1231	CLTFR3	2,278	3,346	0,04559	0,4478	calystemycin 3		Plasma Membrane	other
1232	ZNF481	-1,254	6,730	0,04604	0,4488	zinc finger protein 441		Nucleus	other
1233	PCNXL4	0,684	7,947	0,04611	0,44881	pecanec-like 4 (Drosophila)		Other	other
1234	ZNHIT2	-1,717	4,620	0,0461	0,44881	zinc finger, HIT-type containing 2		Other	other
1235	PEX1	1,099	5,849	0,04621	0,44905	peroxisomal biogenesis factor 1		Cytoplasm	enzyme
1236	HERC6	1,078	6,938	0,04621	0,44905	HECT and RLD domain containing E3 ubiquitin protein ligase family member 6		Cytoplasm	other
1237	IPO13	-2,459	3,921	0,04632	0,44969	importin 13		Nucleus	transporter
1238	FRS2	-1,487	5,349	0,04639	0,45001	fibroblast growth factor receptor substrate 2		Plasma Membrane	other
1239	PRKX-AS1	4,528	1,761	0,04716	0,45162	PRKX antisense RNA 1		Other	other
1240	FAM161B	3,117	4,063	0,04699	0,45162	family with sequence similarity 161, member B		Other	other
1241	QRSL1P3	2,524	2,931	0,04702	0,45162	glutaminyl-tRNA synthase (glutamine-hydrolyzing)-like 1 pseudogene 3		Other	other
1242	TUBGCP3	0,997	6,333	0,04678	0,45162	tubulin, gamma complex associated protein 3		Cytoplasm	other
1243	DYM	0,833	7,054	0,04679	0,45162	dymecilin		Cytoplasm	other
1244	NARF	0,740	7,780	0,04712	0,45162	small prolinin A recognition factor		Nucleus	enzyme
1245	SOD1	-0,664	7,958	0,0471	0,45162	superoxide dismutase 1, soluble		Cytoplasm	enzyme
1246	ATF7P	-0,874	7,499	0,04702	0,45162	activating transcription factor 7 interacting protein		Nucleus	transcription regulator
1247	PPP3CC	-0,917	6,877	0,04681	0,45162	protein phosphatase 3, catalytic subunit, gamma isozyme		Cytoplasm	phosphatase
1248	RBBP5	-0,960	6,625	0,04697	0,45162	retinoblastoma binding protein 5		Nucleus	other
1249	PIP5L	-1,061	5,846	0,04662	0,45162	PIP5K1A and PSMD4-like, pseudogene		Other	other
1250	POP4	-1,094	6,134	0,047	0,45162	processing of precursor 4, ribonuclease P/MRP subunit (S. cerevisiae)		Nucleus	enzyme
1251	TFDP1	-1,347	5,041	0,04694	0,45162	transcription factor Dp-1		Nucleus	transcription regulator
1252	SH2D1A	-1,966	5,781	0,04713	0,45162	SH2 domain containing 1A		Cytoplasm	other
1253	RDH5	-2,051	3,764	0,047	0,45162	retinol dehydrogenase 5 (11-cis/9-cis)		Cytoplasm	enzyme
1254	CDK2AP1	-2,082	4,383	0,04719	0,45162	cyclin-dependent kinase 2 associated protein 1		Nucleus	other
1255	PNPO	-2,277	2,836	0,04705	0,45162	pyridoxamine 5'-phosphate oxidase		Cytoplasm	enzyme
1256	ABC03	-1,208	5,955	0,04724	0,45175	ATP-binding cassette, sub-family D (ALD), member 3		Cytoplasm	transporter
1257	Clorf47	3,523	3,398	0,04733	0,45219	proline and serine rich 2		Other	transporter
1258	SNX16	-1,896	4,437	0,04747	0,45322	sorting nexin 16		Other	other
1259	POFUT1	-1,711	5,579	0,04755	0,45361	protein O-fucosyltransferase 1		Cytoplasm	enzyme
1260	RGS2	1,489	5,931	0,04774	0,45417	regulator of G-protein signalling 2		Nucleus	other
1261	MFHAS1	1,479	6,279	0,04774	0,45417	malignant fibrous histiocytoma amplified sequence 1		Cytoplasm	other
1262	SUN1	0,815	7,312	0,04775	0,45417	Sad1 and UNC84 domain containing 1		Nucleus	other
1263	HUWE1	-0,664	8,100	0,04776	0,45417	HECT, UBA and WWE domain containing 1, E3 ubiquitin protein ligase		Nucleus	transcription regulator
1264	INO80D	0,704	8,117	0,04802	0,45484	INO80 complex subunit D		Other	other
1265	RAB10	-0,725	7,346	0,04796	0,45484	RAB10, member RAS oncogene family		Cytoplasm	enzyme
1266	CYB5B	-0,763	7,459	0,04792	0,45484	cytochrome b5 type B (outer mitochondrial membrane)		Cytoplasm	enzyme
1267	PSME1	-0,766	8,654	0,04802	0,45484	proteasome (prosome, macropain) activator subunit 1 (PA28 alpha)		Cytoplasm	other
1268	SLC3A2	-2,892	3,516	0,04791	0,45484	solute carrier family 43 (amino acid system L transporter), member 2		Plasma Membrane	transporter
1269	RPL7L1P9	2,762	2,923	0,04806	0,45491	ribosomal protein L7-like 1, pseudogene 9		Other	other
1270	SPAG1	1,506	4,843	0,04814	0,45525	sperm associated antigen 1		Cytoplasm	other
1271	CREB5	4,563	1,777	0,04827	0,45582	cAMP responsive element binding protein 5		Nucleus	transcription regulator
1272	UBE2CP1	2,864	2,470	0,04825	0,45582	ubiquitin-conjugating enzyme E2C pseudogene 1		Other	other
1273	RNF32	2,446	3,077	0,04834	0,4561	ring finger protein 32		Cytoplasm	other
1274	ABCC5	0,983	6,307	0,04843	0,45654	ATP-binding cassette, sub-family C (CFTR/MRP), member 5		Plasma Membrane	other
1275	EPB41L4A-	1,066	5,860	0,04857	0,45754	EPB41L4A antisense RNA 1		Other	other
1276	ADAM23	3,044	2,771	0,04865	0,45797	ADAM metallopeptidase domain 23		Plasma Membrane	peptidase
1277	E2F6	-2,160	4,088	0,04879	0,45884	E2F transcription factor 6		Nucleus	transcription regulator
1278	PEX12	-2,724	4,220	0,0489	0,4596	peroxisomal biogenesis factor 12		Cytoplasm	other
1279	ZNF471	3,054	2,432	0,04904	0,45967	zinc finger protein 471		Nucleus	other
1280	RNF3	0,737	8,893	0,04917	0,45967	RNF3 finger protein 3		Nucleus	other
1281	MSD17B10	-0,970	6,066	0,04918	0,45967	hydrosysteroid (17-beta) dehydrogenase 10		Cytoplasm	enzyme
1282	TYW3	-1,129	6,014	0,04902	0,45967	tRNA-W synthesizing protein 3 homolog (S. cerevisiae)		Other	other
1283	C4orf32	-1,380	6,161	0,04911	0,45967	chromosome 4 open reading frame 32		Other	other
1284	LYRM4	-1,527	5,054	0,04897	0,45967	LVR motif containing 4		Cytoplasm	other
1285	FGR	-3,308	3,706	0,04915	0,45967	FGR proto-oncogene, Src family tyrosine kinase		Nucleus	kinase
1286	PCED1A	1,796	4,487	0,04942	0,46155	PC-esterase domain containing 1A		Other	other
1287	AP5M1	-0,779	7,165	0,04948	0,46173	adaptor-related protein complex 5, mu 1 subunit		Cytoplasm	other
1288	FAM171B	3,528	2,089	0,04952	0,46178	family with sequence similarity 171, member B		Other	other
1289	RUFY1	-0,837	6,772	0,0496	0,46178	RUN and FYVE domain containing 1		Cytoplasm	transporter
1290	COMM08	-0,953	6,249	0,04958	0,46178	COMM domain containing 8		Other	other
1291	PRSS21	2,645	3,270	0,04964	0,46179	protease, serine, 21 (bestisin)		Cytoplasm	peptidase
1292	PTGER4	0,844	8,232	0,04971	0,4618	prostaglandin E receptor 4 (subtype EP4)		Plasma Membrane	G-protein coupled receptor
1293	TANK	-0,736	7,484	0,04969	0,4618	TAMF family member-associated NFkB activator		Cytoplasm	other
1294	CACFD1	3,411	2,772	0,04983	0,4625	calcium channel flower domain containing 1		Plasma Membrane	ion channel
1295	STAR08	2,276	3,088	0,05005	0,46285	STAR-related lipid transfer (START) domain containing 8		Cytoplasm	other
1296	ZBTB24	0,955	6,589	0,05006	0,46285	zinc finger and BTB domain containing 24		Nucleus	other
1297	GUSB	0,786	7,064	0,05005	0,46285	glucuronidase, beta		Cytoplasm	enzyme
1298	DCAF8	0,759	7,080	0,05006	0,46285	DOB1 and CUL4 associated factor 8		Other	other
1299	FAM206A	-1,303	5,402	0,05014	0,46285	family with sequence similarity 206, member A		Extracellular Space	other
1300	UST	-2,022	3,792	0,0501	0,46285	uroonyl-2-sulfotransferase		Cytoplasm	enzyme
1301	SNX22	-3,158	3,555	0,0501	0,46285	sorting nexin 22		Other	transporter
1302	SYNE2	-0,774	9,655	0,05027	0,46378	spectrin repeat containing, nuclear envelope 2		Nucleus	other
1303	CASQ1	2,108	4,051	0,05049	0,46508	calsequestrin 1 (fast-twitch, skeletal muscle)		Cytoplasm	other
1304	POLR1C	-0,879	6,661	0,05048	0,46508	polymerase (RNA) 1 polypeptide C, 30kDa		Nucleus	enzyme
1305	ETV9	1,717	4,797	0,0506	0,46571	ets variant 3		Nucleus	transcription regulator
1306	LY6G5C	2,317	3,799	0,05087	0,46709	lymphocyte antigen 6 complex, locus G5C		Other	other
1307	MON2	0,677	7,828	0,05083	0,46709	MON2 homolog (S. cerevisiae)		Cytoplasm	other
1308	SPRYD4	-2,142	3,933	0,05079	0,46709	SPRY domain containing 4		Cytoplasm	other
1309	CYP2R1	-1,014	6,099	0,05103	0,46824	cytochrome P450, family 2, subfamily R, polypeptide 1		Cytoplasm	enzyme
1310	HAUS3	0,939	6,192	0,05123	0,469	HAUS augmin-like complex, subunit 3		Cytoplasm	other
1311	FAM49B	-0,657	7,788	0,05116	0,469	family with sequence similarity 4			

1320	AGAP10	2.237	3.204	0.05202	0.47031	ArfGAP with GTPase domain, ankyrin repeat and PH domain 10 pseudogene	Other	other
1321	THEM6	1.900	3.948	0.05175	0.47031	thioesterase superfamily member 6	Other	other
1322	CALCRL	1.583	5.978	0.05196	0.47031	calcitonin receptor-like	Plasma Membrane	G-protein coupled receptor
1323	SNX25	1.519	5.396	0.05194	0.47031	sorting nexin 25	Cytoplasm	other
1324	ARPC5	-0.693	8.623	0.05174	0.47031	actin related protein 2/3 complex, subunit 5, 16kDa	Cytoplasm	other
1325	SEC23B	-0.709	7.982	0.05198	0.47031	Sec23 homolog B (S. cerevisiae)	Extracellular Space	transporter
1326	ZFYVE21	-1.417	5.221	0.05196	0.47031	zinc finger, FYVE domain containing 21	Other	other
1327	TDPR2	-1.676	4.031	0.05204	0.47031	peroxiredoxin 1 pseudogene 1	Cytoplasm	other
1328	FERMT2	-1.993	4.764	0.05182	0.47031	ferritin family member 2	Cytoplasm	other
1329	RASSF3	-2.325	3.605	0.05204	0.47031	Ras association (RalGDS/AF-6) domain family member 3	Other	other
1330	KIAA0240	1.333	5.550	0.05209	0.47039	GLTSCR1-like	Other	other
1331	UNG	2.032	4.430	0.05218	0.47051	uracil-DNA glycosylase	Nucleus	enzyme
1332	TSEN15	-0.800	7.231	0.05217	0.47051	TSEN15 tRNA splicing endonuclease subunit	Nucleus	enzyme
1333	SLC26A6	-2.405	3.935	0.05233	0.47149	solute carrier family 26 (anion exchanger), member 6	Cytoplasm	transporter
1334	RBL1	1.193	6.074	0.05248	0.47218	retinoblastoma-like 1	Nucleus	transcription regulator
1335	TMEM208	-0.858	6.746	0.05245	0.47218	transmembrane protein 208	Other	other
1336	TRAFD1	-1.166	6.997	0.05255	0.47247	TRAF-type zinc finger domain containing 1	Other	other
1337	TUFT1	2.017	3.775	0.05275	0.47249	tuftelin 1	Cytoplasm	other
1338	CLEC2B	-0.731	7.258	0.0527	0.47249	C-type lectin domain family 2, member 8	Plasma Membrane	other
1339	FGFR1OP2	-0.733	7.238	0.05275	0.47249	FGFR1 oncogene partner 2	Cytoplasm	other
1340	GT1	-1.032	6.112	0.05275	0.47249	growth factor independent 1 transcription repressor	Nucleus	transcription regulator
1341	MYO6	-1.763	4.877	0.05274	0.47249	myosin VI	Cytoplasm	other
1342	NPR2	2.240	3.345	0.05288	0.47252	atriuretic peptide receptor 2	Plasma Membrane	G-protein coupled receptor
1343	KAT2A	1.684	5.139	0.05296	0.47252	K(lysine) acetyltransferase 2A	Cytoplasm	enzyme
1344	YIF1A	-1.260	6.229	0.05297	0.47252	Yip1 interacting factor homolog A (S. cerevisiae)	Cytoplasm	other
1345	THOP1	-1.262	5.214	0.05296	0.47252	thimet oligopeptidase 1	Cytoplasm	peptidase
1346	POP1	-1.522	4.590	0.05299	0.47252	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Nucleus	enzyme
1347	VNIR1	-3.390	2.493	0.05284	0.47252	vomeronaal 1 receptor 1	Plasma Membrane	G-protein coupled receptor
1348	KLF8	2.718	2.836	0.05308	0.47296	Kruppel-like factor 8	Nucleus	other
1349	MSH3	1.247	5.434	0.05318	0.47312	mutS homolog 3	Nucleus	enzyme
1350	FAM115C	1.109	6.298	0.05322	0.47312	TRPM8 channel-associated factor 2	Plasma Membrane	other
1351	PIGV	-1.725	5.609	0.05321	0.47312	phosphatidylinositol glycan anchor biosynthesis, class V	Cytoplasm	enzyme
1352	PER1	1.080	6.099	0.05329	0.47343	period circadian clock 1	Nucleus	other
1353	ANKFY1	0.950	6.747	0.05345	0.47404	ankyrin repeat and FYVE domain containing 1	Cytoplasm	transcription regulator
1354	AP3M1	-0.710	7.565	0.05348	0.47404	adaptor-related protein complex 3, mu 1 subunit	Cytoplasm	transporter
1355	INSIG1	-0.832	8.144	0.05345	0.47404	insulin induced gene 1	Cytoplasm	other
1356	WDR45	-0.853	6.821	0.0537	0.47543	WD repeat domain 45	Other	other
1357	R3HDM1	-1.053	6.153	0.05371	0.47543	R3H domain containing 1	Other	other
1358	OSER1	1.873	4.454	0.05386	0.47636	glutamine and serine rich 1	Other	other
1359	PMFBP1	-3.014	2.080	0.05396	0.47688	polyamine modulated factor 1 binding protein 1	Cytoplasm	other
1360	CITE4D	1.603	4.351	0.05406	0.477	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 4	Nucleus	transcription regulator
1361	CITE2D	1.584	4.674	0.05413	0.477	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2	Nucleus	transcription regulator
1362	NCKAP1L	0.672	7.632	0.0541	0.477	NCK-associated protein 1-like	Plasma Membrane	other
1363	SHF	-2.885	2.766	0.05405	0.477	Src homology 2 domain containing f	Other	other
1364	C1orf85	2.298	4.064	0.05426	0.47783	glycosylated lysosomal membrane protein	Cytoplasm	transcription regulator
1365	LEPROTL1	0.695	8.797	0.05442	0.47835	leptin receptor overlapping transcript-like 1	Plasma Membrane	other
1366	BANF1	-1.091	5.668	0.05437	0.47835	barrier to autointegration factor 1	Nucleus	other
1367	MCTS1	-1.170	5.484	0.05444	0.47835	malignant T cell amplified sequence 1	Cytoplasm	other
1368	ZNF726	2.310	2.747	0.05468	0.47849	zinc finger protein 726	Other	other
1369	FXR1	-0.714	7.342	0.05462	0.47849	fragile X mental retardation, autosomal homolog 1	Cytoplasm	other
1370	LYAR	-1.396	5.724	0.0547	0.47849	Ly1 antibody reactive	Plasma Membrane	other
1371	SLC39A3	-1.502	5.396	0.05451	0.47849	solute carrier family 39 (zinc transporter), member 3	Plasma Membrane	transporter
1372	CD40LG	-2.050	7.179	0.05455	0.47849	CD40 ligand	Extracellular Space	cytokine
1373	ZNF532	-3.357	3.916	0.05458	0.47849	zinc finger protein 532	Nucleus	other
1374	NOLC1	-0.677	7.769	0.05495	0.47965	nucleolar and colled-body phosphoprotein 1	Nucleus	transcription regulator
1375	FSMD8	-0.726	7.673	0.05494	0.47965	proteasome (prosome, macropain) 26S subunit, non-ATPase, 8	Cytoplasm	other
1376	FASTKD1	-1.241	5.541	0.05493	0.47965	FAST kinase domains 1	Cytoplasm	other
1377	SWIM5	2.153	3.814	0.05508	0.48044	zinc finger, SWIM-type containing 5	Extracellular Space	other
1378	P2RX4	0.928	6.418	0.05543	0.48253	purinergic receptor P2X, ligand gated ion channel, 4	Plasma Membrane	ion channel
1379	MAPK14	0.893	6.968	0.05545	0.48253	mitogen-activated protein kinase 14	Cytoplasm	kinase
1380	CHCHD8	-0.940	6.134	0.05547	0.48253	cytochrome c oxidase assembly factor 4 homolog (S. cerevisiae)	Other	other
1381	EXTL3	-2.038	4.252	0.05548	0.48253	exostosin-like glycosyltransferase 3	Cytoplasm	enzyme
1382	SNX18	2.360	2.904	0.05578	0.48425	sorting nexin 18	Cytoplasm	transporter
1383	FASTKD2	0.735	7.376	0.05581	0.48425	FAST kinase domains 2	Cytoplasm	other
1384	CYHR1	-1.118	5.845	0.05579	0.48425	cysteine/histidine-rich 1	Nucleus	other
1385	UBFD1	-1.348	5.074	0.05584	0.48425	ubiquitin family domain containing 1	Other	other
1386	EHCD2C	0.998	6.275	0.05588	0.48443	enoyl CoA hydratase domain containing 2	Other	other
1387	CCDC113	3.298	2.093	0.05598	0.48477	coiled-coil domain containing 113	Cytoplasm	other
1388	PITPNA	-0.809	6.828	0.05633	0.48748	phosphatidylinositol transfer protein, alpha	Cytoplasm	transporter
1389	LHDAL6	-2.425	2.790	0.05655	0.48886	lactate dehydrogenase A-like 6A	Cytoplasm	enzyme
1390	HOMER1	-3.325	3.308	0.05657	0.48886	homer scaffolding protein 1	Plasma Membrane	other
1391	NDUFS1	-0.873	6.637	0.05668	0.48944	NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75kDa (NADH-coenzyme Q reductase)	Cytoplasm	enzyme
1392	CITA	-3.434	3.882	0.05675	0.4897	class II, major histocompatibility complex, transactivator	Nucleus	transcription regulator
1393	DDX27	0.805	7.248	0.05692	0.49027	DEAD (Asp-Glu-Ala-Asp) box polypeptide 27	Nucleus	enzyme
1394	PRDX4	-1.596	5.003	0.05693	0.49027	peroxiredoxin 4	Cytoplasm	enzyme
1395	FBXL6	-1.957	4.068	0.05694	0.49027	F-box and leucine-rich repeat protein 6	Other	enzyme
1396	KANSL1-AS	1.859	3.992	0.05701	0.49054	KANSL1 antisense RNA 1	Other	other
1397	GAPDHP42	2.491	3.087	0.05709	0.49083	glyceraldehyde 3 phosphate dehydrogenase pseudogene 42	Other	other
1398	MSN1P	-0.969	5.979	0.05713	0.49084	moesin pseudogene 1	Other	other
1399	TMEM638	-2.369	2.533	0.05727	0.49172	transmembrane protein 638	Other	other
1400	SNIP3P1	1.747	3.653	0.05741	0.49266	hCL2/adenovirus E18 19kDa interacting protein 3 pseudogene 1	Other	other
1401	TRIF10	-2.402	4.668	0.05763	0.49412	thyroid hormone receptor interactor 10	Cytoplasm	other
1402	NABP2	0.821	7.234	0.05771	0.49429	NEDD4 binding protein 2	Cytoplasm	kinase
1403	FAM82A2	-0.994	6.063	0.05774	0.49429	regulator of microtubule dynamics 3	Cytoplasm	other
1404	PAH1M	0.921	6.640	0.05799	0.49615	prolyl 4-hydroxylase, transmembrane (endoplasmic reticulum)	Cytoplasm	enzyme
1405	JMY	0.862	6.444	0.05804	0.4962	junction mediating and regulatory protein, p53 cofactor	Nucleus	transcription regulator
1406	TTC1	-0.749	7.072	0.0581	0.49633	tetratricopeptide repeat domain 1	Cytoplasm	other
1407	FURIN	1.047	6.796	0.05817	0.49661	furin (paired basic amino acid cleaving enzyme)	Cytoplasm	peptidase
1408	TRIM11	1.557	5.613	0.05888	0.49698	tripartite motif containing 11	Cytoplasm	enzyme
1409	LMBR1	1.070	5.782	0.05861	0.49698	limb development membrane protein 1	Plasma Membrane	transmembrane receptor
1410	MAPK8IP3	1.034	5.793	0.05851	0.49698	mitogen-activated protein kinase 8 interacting protein 3	Cytoplasm	other
1411	SORL1	0.941	9.755	0.05876	0.49698	sortilin-related receptor, L(DLR class) A repeats containing	Cytoplasm	transporter
1412	KIF3A	0.820	6.671	0.05835	0.49698	kinesin family member 3A	Cytoplasm	enzyme
1413	HIF1AN	-0.780	7.061	0.05892	0.49698	hypoxia inducible factor 1, alpha subunit inhibitor	Nucleus	enzyme
1414	PRDX3	-0.792	7.097	0.05872	0.49698	peroxiredoxin 3	Cytoplasm	enzyme
1415	TMEM179B	-0.795	6.648	0.05857	0.49698	transmembrane protein 179B	Other	other
1416	EIF2S2	-0.955	6.034	0.05876	0.49698	eukaryotic translation initiation factor 2, subunit 2 beta, 38kDa	Cytoplasm	translation regulator
1417	MRPS16	-1.041	5.894	0.05865	0.49698	mitochondrial ribosomal protein S16	Cytoplasm	other
1418	MRPL24	-1.085	5.887	0.05866	0.49698	mitochondrial ribosomal protein L24	Cytoplasm	other
1419	PUSL1	-1.665	4.056	0.05889	0.49698	pseudouridylyl synthase-like 1	Other	enzyme
1420	SGCB	-1.768	3.986	0.05863	0.49698	sarcoglycan, beta (43kDa dystrophin-associated glycoprotein)	Plasma Membrane	other
1421	SPATA9	-2.796	2.318	0.05833	0.49698	spermatogenesis associated 9	Other	other
1422	KDELR3	-2.931	2.535	0.05842	0.49698	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 3	Cytoplasm	transporter
1423	TTC34	-3.328	2.459	0.05882	0.49698	tetratricopeptide repeat domain 34	Other	other
1424	FAM66C	-3.773	2.739	0.05855	0.49698	family with sequence similarity 66, member C	Other	other
1425	DDX51	1.268	5.656	0.05905	0.49701	DEAD (Asp-Glu-Ala-Asp) box polypeptide 51	Other	enzyme
1426	TRAV27	-3.172	2.697	0.05904	0.49701	T cell receptor alpha variable 27	Other	other
1427	ENC1	-3.466	3.281	0.05901	0.49701	ectodermal-neural cortex 1 (with RTR domain)	Nucleus	peptidase
1428	BICD2	0.994	6.209	0.05932	0.49725	bicaudal D homolog 2 (Drosophila)	Cytoplasm	other
1429	NDUFA10	0.726	7.942	0.0592	0.49725	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10, 42kDa	Cytoplasm	transporter
1430	SRRM2	0.622	8.342	0.05931	0.49725	serine/arginine repetitive matrix 2	Nucleus	other
1431	CBX3	-0.715	7.134	0.0592	0.49725	chromobox homolog 3	Nucleus	transcription regulator
1432	RARS	-0.724	7.021	0.05916	0.49725	arginyl-tRNA synthetase	Cytoplasm	enzyme
1433	TMEM177	-2.420	3.483	0.05932	0.49725	transmembrane protein 177	Other	other
1434	KPNB1	-0.725	7.208	0.05947	0.49816	karyopherin (importin) beta 1	Nucleus	transporter
1435	RNF185	-1.114	5.777	0.05952	0.49824	ring finger protein 185	Other	other
1436	ACTR8	-1.066	5.765	0.05959	0.49844	ARPS actin-related protein 5 homolog (yeast)	Other	other
1437	NAE1	0.717	7.155	0.05972	0.49887	NADH activating enzyme E1 subunit 1	Cytoplasm	enzyme
1438	TM1M10	-1.038	6.117	0.05972	0.49887	translocase of inner mitochondrial membrane 10 homolog (yeast)	Cytoplasm	transporter
1439	HERPUD1	-0.708	8.656	0.05984	0.49947	homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain member 1	Cytoplasm	other
1440	BAG1	-0.831	6.946	0.06013	0.5016	BCL2-associated athanogene	Cytoplasm	other
1441	RB1CC1	0.629	7.726	0.0602	0.50179	RB1-inducible coiled-coil 1	Nucleus	other
1442	NXT1	0.800	6.615	0.06036	0.50276	nuclear transport factor 2-like export factor 1	Nucleus	transporter
1443	ATP6V1A	-1.066	6.315	0.06046	0.50328	ATPase, H ⁺ transporting, lysosomal 70kDa, V1 subunit A	Plasma Membrane	transporter
1444	LHFPL2	3.433	3.035	0.06052	0.50346	lipoma HMGIC fusion partner-like 2	Other	enzyme
1445	ZNF433	1.944	4.401	0.06072	0.50366	zinc finger protein 433	Nucleus	other
1446	PREX1	0.775	7.407	0.06075	0.50366	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	Cytoplasm	other
1447	MLEC	-0.735	7.203	0.06076	0.50366	maleictin	Plasma Membrane	other
1448	UBAP2L	-0.946						

1452	C17orf62	0.628	7.894	0.06086	0.50374	chromosome 17 open reading frame 62	Other	other
1453	PPP2R3A	-1.940	3.509	0.06115	0.50537	protein phosphatase 2, regulatory subunit B'', alpha	Nucleus	phosphatase
1454	PPLI1	-1.943	5.018	0.06117	0.50537	peptidyl/prolyl isomerase (cyclophilin)-like 1	Plasma Membrane	enzyme
1455	KLF2	1.343	6.244	0.06132	0.50543	Kruppel-like factor 2	Nucleus	transcription regulator
1456	CENPK	1.327	4.969	0.06124	0.50543	centromere protein K	Nucleus	other
1457	CNPDP1	-0.825	6.850	0.06135	0.50543	cyclin Pas1/PHO80 domain containing 1	Other	other
1458	PLEKH11	-0.982	6.345	0.06128	0.50543	pleckstrin homology domain containing, family J member 1	Other	other
1459	VIPR1	2.237	4.548	0.06175	0.50588	inactive intestinal peptide receptor 1	Plasma Membrane	G-protein coupled receptor
1460	FAM122C	1.861	4.565	0.06151	0.50588	family with sequence similarity 122C	Other	other
1461	MFS012	1.715	4.754	0.06155	0.50588	major facilitator superfamily domain containing 12	Cytoplasm	other
1462	LINC00342	0.987	6.219	0.06186	0.50588	long intergenic non-protein coding RNA 342	Other	other
1463	FAM129A	0.963	9.141	0.06168	0.50588	family with sequence similarity 129, member A	Cytoplasm	other
1464	E1F1AX	-0.772	6.681	0.06159	0.50588	eukaryotic translation initiation factor 1A, X-linked	Cytoplasm	translation regulator
1465	LSM7	-0.930	6.022	0.06183	0.50588	LSM7 homolog, U6 small nuclear RNA associated (S. cerevisiae)	Nucleus	other
1466	SLC1A5	-1.051	6.334	0.06187	0.50588	solute carrier family 1 (neutral amino acid transporter), member 5	Plasma Membrane	transporter
1467	ACTA2	-1.903	4.180	0.06176	0.50588	actin, alpha 2, smooth muscle, aorta	Cytoplasm	other
1468	CBR3	-2.228	3.089	0.06173	0.50588	carbonyl reductase 3	Cytoplasm	enzyme
1469	GTSF1	-2.253	3.586	0.06155	0.50588	gametocyte specific factor 1	Cytoplasm	other
1470	APBB1	1.258	5.693	0.06193	0.50605	amyloid beta (A4) precursor protein-binding, family 8, member 1 (Fe65)	Cytoplasm	transcription regulator
1471	NFKB	1.046	6.330	0.06201	0.50615	nuclear factor related to kappaB binding protein	Nucleus	transcription regulator
1472	GRICH1	0.729	7.796	0.06203	0.50615	glutamine-rich 1	Other	other
1473	CENPP	2.835	2.701	0.06215	0.50672	centromere protein P	Other	other
1474	ZNF589	1.043	6.341	0.06235	0.50672	zinc finger protein 589	Nucleus	other
1475	JAK3	0.815	7.378	0.06227	0.50672	Janus kinase 3	Cytoplasm	kinase
1476	PARP2	-1.015	6.608	0.06234	0.50672	poly (ADP-ribose) polymerase 2	Nucleus	enzyme
1477	MCM2	-1.423	5.564	0.06225	0.50672	minichromosome maintenance complex component 2	Nucleus	enzyme
1478	ZNF613	-1.827	4.126	0.06222	0.50672	zinc finger protein 613	Nucleus	other
1479	PCBP4	1.717	4.953	0.06247	0.50673	poly(rC) binding protein 4	Nucleus	other
1480	TMEM209	0.785	6.769	0.06248	0.50673	transmembrane protein 209	Other	other
1481	TPRN	-3.039	2.613	0.06248	0.50673	taperin	Extracellular Space	other
1482	MAPKAP1	-1.070	6.060	0.06273	0.50793	mitogen-activated protein kinase associated protein 1	Cytoplasm	other
1483	SWAP70	-1.562	5.937	0.06275	0.50793	SWAP switching B-cell complex 70kDa subunit	Cytoplasm	other
1484	CORO1C	-1.647	4.887	0.06267	0.50793	coronin, actin binding protein, 1C	Other	other
1485	C21orf33	4.337	1.682	0.06299	0.50793	chromosome 21 open reading frame 33	Cytoplasm	other
1486	PTCD1	1.656	4.191	0.06299	0.50793	pentatricopeptide repeat domain 1	Cytoplasm	other
1487	CDK11A	1.644	3.878	0.06288	0.50793	cyclin-dependent kinase 11A	Nucleus	kinase
1488	ZNF529	0.840	6.388	0.06288	0.50793	zinc finger protein 529	Other	other
1489	E1F6	-0.790	7.025	0.06281	0.50793	eukaryotic translation initiation factor 6	Cytoplasm	translation regulator
1490	POLE	-1.104	6.410	0.06304	0.50793	polymerase (DNA directed), epsilon, catalytic subunit	Nucleus	enzyme
1491	DNAJC14	-1.522	4.372	0.06305	0.50793	DnaJ (Hsp40) homolog, subfamily C, member 14	Cytoplasm	other
1492	TMLHE	2.083	4.428	0.06334	0.50972	trimethyllysine hydroxylase, epsilon	Cytoplasm	enzyme
1493	SFA2	1.215	6.237	0.06336	0.50972	sperm specific antigen 2	Plasma Membrane	other
1494	SEMA6A	1.226	3.008	0.06349	0.51024	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6A	Plasma Membrane	transmembrane receptor
1495	H2AFX	-1.822	3.911	0.06335	0.51024	H2A histone family, member X	Nucleus	transcription regulator
1496	HSP90AB3	-0.641	7.693	0.06366	0.51113	heat shock protein 90kDa alpha (cytosolic), class B member 3, pseudogene	Cytoplasm	other
1497	NRA2	2.038	5.450	0.06371	0.51116	nuclear receptor subfamily 4, group A, member 2	Nucleus	ligand-dependent nuclear receptor
1498	ATF6	0.906	6.693	0.06426	0.51187	activating transcription factor 6	Cytoplasm	transcription regulator
1499	RRN3	0.839	6.675	0.06435	0.51187	RRN3 RNA polymerase I transcription factor homolog (S. cerevisiae)	Nucleus	transcription regulator
1500	ZMYM5	0.815	6.781	0.06394	0.51187	zinc finger, MYM-type 5	Nucleus	other
1501	VPS13D	0.767	7.138	0.06434	0.51187	vacuolar protein sorting 13 homolog D (S. cerevisiae)	Cytoplasm	other
1502	MED23	0.698	7.399	0.06413	0.51187	mediator complex subunit 23	Nucleus	transcription regulator
1503	RABEP1	-0.811	6.939	0.06402	0.51187	rabaptin, RAB GTPase binding effector protein 1	Cytoplasm	transporter
1504	GNPTG	-0.859	6.372	0.06429	0.51187	N-acetylglucosamine-1-phosphate transferase, gamma subunit	Cytoplasm	enzyme
1505	SUPV3L1	-0.863	6.336	0.06417	0.51187	suppressor of var1, 3-like 1 (S. cerevisiae)	Cytoplasm	enzyme
1506	NFKBID	-1.278	5.432	0.06421	0.51187	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, delta	Nucleus	transcription regulator
1507	SLC7A1	-1.293	5.961	0.06394	0.51187	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1	Plasma Membrane	transporter
1508	COL9A2	-1.665	3.756	0.06413	0.51187	collagen, type IX, alpha 2	Extracellular Space	other
1509	OSM	-2.202	4.583	0.06426	0.51187	oncostatin M	Extracellular Space	cytokine
1510	S100P	-2.648	3.264	0.06434	0.51187	S100 calcium binding protein P	Cytoplasm	other
1511	TMEM223	-0.934	6.036	0.06445	0.51234	transmembrane protein 223	Other	other
1512	RAB12	-2.499	2.931	0.06488	0.51545	RAB12, member RAS oncogene family	Cytoplasm	enzyme
1513	C6orf120	-1.395	4.906	0.0651	0.51684	chromosome 6 open reading frame 120	Cytoplasm	other
1514	ZNF83	0.744	7.574	0.06519	0.51699	zinc finger protein 83	Nucleus	transcription regulator
1515	LINC00094	-1.687	4.906	0.0652	0.51699	long intergenic non-protein coding RNA 94	Other	other
1516	IFRD1	0.741	7.110	0.06532	0.51757	interferon-related developmental regulator 1	Nucleus	other
1517	NUCB1	-0.751	6.817	0.06546	0.51835	nucleobindin 1	Cytoplasm	other
1518	C17orf58	2.970	2.770	0.06551	0.51839	chromosome 17 open reading frame 58	Other	other
1519	ASRGL1	-3.303	2.444	0.06559	0.51869	asparaginase like 1	Cytoplasm	enzyme
1520	BPTF	0.663	8.572	0.06569	0.51874	bromodomain PHD finger transcription factor	Nucleus	transcription regulator
1521	GALNT1	-0.686	7.237	0.06566	0.51874	acylglycine N-acetylglucosaminyltransferase 1	Cytoplasm	enzyme
1522	HLA-DMB	-3.519	4.666	0.06573	0.51874	major histocompatibility complex, class II, DM beta	Plasma Membrane	transmembrane receptor
1523	TPPP	2.724	3.541	0.06615	0.51883	tubulin polymerization promoting protein	Cytoplasm	other
1524	ACVR1C	2.702	2.291	0.0663	0.51883	activin A receptor, type 1C	Plasma Membrane	kinase
1525	TMEM25	2.608	3.343	0.06622	0.51883	transmembrane protein 25	Extracellular Space	other
1526	AFTPH	1.044	5.870	0.06586	0.51883	aftriphilin	Cytoplasm	other
1527	TRMT10C	0.750	6.825	0.06612	0.51883	tRNA methyltransferase 10 homolog C (S. cerevisiae)	Cytoplasm	other
1528	CERN	0.616	8.336	0.06597	0.51883	cerebin	Cytoplasm	enzyme
1529	GLS	-0.637	8.072	0.06603	0.51883	glutaminase	Cytoplasm	enzyme
1530	TMEM30A	-0.741	7.322	0.06596	0.51883	transmembrane protein 30A	Cytoplasm	other
1531	KIAA0664L	-0.857	7.016	0.06628	0.51883	clustered mitochondria (cluA/CLU1) homolog pseudogene 3	Other	other
1532	CONMD4	-1.489	4.543	0.06619	0.51883	CONMD domain containing 4	Cytoplasm	other
1533	WRB	-1.562	4.404	0.06624	0.51883	tyrosophan rich basic protein	Extracellular Space	other
1534	GGCX	-1.720	4.664	0.06616	0.51883	gamma-glutamyl carboxylase	Cytoplasm	enzyme
1535	UBASH3B	-2.381	4.680	0.06626	0.51883	ubiquitin associated and SH3 domain containing B	Other	enzyme
1536	PABPC3	0.706	6.989	0.06642	0.51912	poly(A) binding protein, cytoplasmic 3	Cytoplasm	other
1537	ZNF614	-1.352	5.889	0.06638	0.51912	zinc finger protein 614	Other	other
1538	RAVER2	2.372	2.949	0.06647	0.51915	ribonucleoprotein, PTB-binding 2	Nucleus	other
1539	DSCR9	2.839	2.310	0.06686	0.52041	Down syndrome critical region 9 (non-protein coding)	Other	other
1540	NEK3	2.437	4.087	0.06699	0.52041	NIMA-related kinase 3	Nucleus	kinase
1541	KIF27	1.548	4.258	0.06694	0.52041	kinesin family member 27	Cytoplasm	other
1542	TRIM65	1.497	4.803	0.067	0.52041	tripartite motif containing 65	Other	other
1543	APAF1	1.326	5.613	0.06684	0.52041	apoptator-related protein complex 4, epsilon 1 subunit	Cytoplasm	other
1544	SNRK	0.671	7.245	0.06707	0.52041	SNF related kinase	Cytoplasm	kinase
1545	POLIP2	-0.716	6.956	0.06709	0.52041	polymerase (DNA-directed), delta interacting protein 2	Cytoplasm	other
1546	FAM50A	-0.804	6.857	0.06703	0.52041	family with sequence similarity 50, member A	Nucleus	other
1547	XPO5	-0.891	6.075	0.06711	0.52041	exportin 5	Nucleus	transporter
1548	LMBRD2	-1.050	5.763	0.06706	0.52041	LMBR1 domain containing 2	Other	other
1549	CADM1	-2.827	2.818	0.06709	0.52041	cell adhesion molecule 1	Plasma Membrane	other
1550	TSAN32	2.467	3.528	0.06731	0.52135	tetraspanin 32	Plasma Membrane	other
1551	MAP7	-3.307	3.298	0.06732	0.52135	microtubule-associated protein 7	Cytoplasm	other
1552	POMGN1	-0.901	6.259	0.06749	0.52235	protein O-linked mannose N-acetylglucosaminyltransferase 1 (beta 1,2-)	Cytoplasm	enzyme
1553	GPATCH1	1.176	5.470	0.06769	0.52354	G patch domain containing 1	Extracellular Space	other
1554	ENO1	0.665	10.211	0.06791	0.52485	enolase 1, (alpha)	Cytoplasm	enzyme
1555	KARS	-0.615	8.196	0.06794	0.52485	lysyl-tRNA synthetase	Cytoplasm	enzyme
1556	HIST2H2BE	1.580	4.939	0.06821	0.52493	histone cluster 2, H2be	Nucleus	other
1557	CROCC	1.526	4.260	0.06823	0.52493	ciliary rootlet coiled-coil, rootletin	Plasma Membrane	other
1558	DPH1	1.001	7.756	0.06825	0.52493	dipeptidase biosynthesis 1	Cytoplasm	other
1559	PARN	0.765	6.725	0.06813	0.52493	poly(A)-specific ribonuclease	Nucleus	enzyme
1560	PSMD4	-0.652	7.421	0.0682	0.52493	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4	Cytoplasm	other
1561	SLA	-1.162	7.599	0.06815	0.52493	Src-like adaptor	Plasma Membrane	other
1562	LRRCD1	-1.416	4.994	0.0681	0.52493	leucine rich repeat containing 61	Other	other
1563	GPCPD1	-0.738	7.783	0.06831	0.52501	glycerophosphocholine phosphodiesterase GDE1 homolog (S. cerevisiae)	Cytoplasm	enzyme
1564	ANKRD20A	2.462	3.692	0.06862	0.52628	ankyrin repeat domain 20 family, member A5, pseudogene	Other	other
1565	GRIN3	1.114	6.052	0.06857	0.52628	GRIN family member 3	Other	other
1566	SNUPN	-1.442	4.749	0.06864	0.52628	snurportin 1	Nucleus	other
1567	HVCN1	-2.759	4.032	0.06865	0.52628	hydrogen voltage gated channel 1	Plasma Membrane	ion channel
1568	RASSF1	0.777	7.226	0.06884	0.52734	Ras association (RA/GDS/AF-6) domain family member 1	Cytoplasm	other
1569	BRE	0.803	6.448	0.06818	0.52963	brain and reproductive organ-expressed (TNRSP1A) modulator	Nucleus	other
1570	PGT	-1.918	3.761	0.06922	0.52963	flucose-1-phosphate guanylyltransferase	Cytoplasm	enzyme
1571	ATFA	-0.636	7.476	0.06943	0.53088	activating transcription factor 4	Nucleus	transcription regulator
1572	ZNF707	1.994	3.487	0.06977	0.53115	zinc finger protein 707	Other	other
1573	GFHN	1.821	4.632	0.0699	0.53115	gephyrin	Plasma Membrane	enzyme
1574	BIN3	1.033	5.677	0.06978	0.53115	bridging integrator 3	Cytoplasm	other
1575	TXLNG	0.883	6.262	0.06975	0.53115	taxilin gamma	Nucleus	other
1576	ZBTB11	0.821	7.064	0.06968	0.53115	zinc finger and BTB domain containing 11	Nucleus	other
1577	USP1	-0.706	7.292	0.06959	0.53115	ubiquitin specific peptidase 1	Cytoplasm	peptidase
1578	ELAVL1	-0.741	6.903	0.06965	0.53115	ELAV like RNA binding protein 1	Cytoplasm	other
1579	DRAP1	-0.827	6.303	0.06986	0.53115	DR1-associated protein 1 (negative cofactor 2 alpha)	Nucleus	transcription regulator
1580	KIAA0020	-0.835	6.552	0.06991	0.53115	KIAA0020	Nucleus	other
1581	OCAD	-1.735	5.137	0.06973	0.53115	dephosph		

1584	ZNF507	1,076	5,715	0.07014	0.53131	zinc finger protein 507	Nucleus	other
1585	ESCO1	0,729	6,983	0.0703	0.53131	establishment of sister chromatid cohesion N-acetyltransferase 1	Nucleus	other
1586	MTMR9	-0,747	6,797	0.07027	0.53131	myotubularin related protein 9	Cytoplasm	phosphatase
1587	APOL3	-0,846	7,951	0.07013	0.53131	apolipoprotein L, 3	Cytoplasm	transporter
1588	KRCC1	-0,852	6,464	0.07019	0.53131	lysine-rich coiled-coil 1	Extracellular Space	other
1589	SLC3A3	-1,306	5,934	0.07041	0.53131	solute carrier family 43, member 3	Extracellular Space	other
1590	NARFL	-1,540	4,832	0.07046	0.53131	nuclear prelamin A recognition factor-like	Other	other
1591	FBXO48	-1,740	4,330	0.07006	0.53131	F-box protein 48	Other	other
1592	IQCG	-1,980	4,406	0.07026	0.53131	IQ motif containing G	Cytoplasm	other
1593	AZL01	-2,920	2,227	0.07011	0.53131	gamma-glutamylamine cyclotransferase	Cytoplasm	enzyme
1594	MYOT	-2,684	2,394	0.07051	0.53138	myotilin	Cytoplasm	other
1595	RNU4-2	2,906	1,981	0.07078	0.53196	RNA, U4 small nuclear 2	Other	other
1596	MRPL37P1	2,399	3,479	0.07081	0.53196	mitochondrial ribosomal protein L37 pseudogene 1	Other	other
1597	TC2N	0,851	7,514	0.07075	0.53196	tandem C2 domains, nuclear	Nucleus	transporter
1598	ZMAT2	-0,864	6,241	0.0709	0.53196	zinc finger, matrix-type 2	Nucleus	other
1599	MPZL2	-1,873	5,478	0.07087	0.53196	myelin protein zero-like 2	Plasma Membrane	other
1600	BACH1-IT2	-2,629	2,188	0.07077	0.53196	BACH1 intronic transcript 2	Other	other
1601	PFN4	-2,992	2,491	0.07076	0.53196	profilin family, member 4	Other	other
1602	DYRK2	0,750	7,802	0.07096	0.53206	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2	Cytoplasm	kinase
1603	AGA3P3	1,850	4,694	0.07118	0.53237	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	Nucleus	transcription regulator
1604	SUGP2	1,036	5,678	0.07125	0.53237	SURP and G patch domain containing 2	Other	other
1605	AGTPBP1	0,813	6,762	0.07121	0.53327	ATP/GTP binding protein 1	Nucleus	peptidase
1606	VCP	-0,646	9,351	0.07148	0.53466	valosin containing protein	Cytoplasm	enzyme
1607	VDAC1	-0,708	7,045	0.07155	0.53485	voltage-dependent anion channel 1	Cytoplasm	ion channel
1608	EPHA4	1,166	6,178	0.07184	0.53668	EPH receptor A4	Plasma Membrane	kinase
1609	LRBA	0,697	7,149	0.07193	0.53703	LPS-responsive vesicle trafficking, beach and anchor containing	Cytoplasm	other
1610	DHRS1	0,847	6,182	0.07202	0.53725	dehydrogenase/reductase (SDR family) member 1	Cytoplasm	enzyme
1611	MLL	-0,618	9,001	0.07205	0.53725	lysine (K)-specific methyltransferase 2A	Nucleus	transcription regulator
1612	KPTN	-2,073	3,563	0.07221	0.53813	kaptein (actin binding protein)	Other	other
1613	BB57	1,364	4,659	0.07231	0.53842	Bardet-Biedl syndrome 7	Cytoplasm	other
1614	ANO6	1,048	5,628	0.07234	0.53842	anoctamin 6	Plasma Membrane	ion channel
1615	CALHM2	-1,053	6,448	0.0724	0.5385	calcium homeostasis modulator 2	Other	other
1616	MYLIP	1,305	5,825	0.07261	0.5387	myosin regulatory light chain interacting protein	Cytoplasm	enzyme
1617	TUFM	-0,597	8,290	0.07277	0.5387	Tu translation elongation factor, mitochondrial	Cytoplasm	translation regulator
1618	HSP90AB1	-0,601	9,826	0.07268	0.5387	heat shock protein 90kDa alpha (cytosolic), class B member 1	Cytoplasm	enzyme
1619	POLR2E	-0,631	7,558	0.07278	0.5387	polymerase (RNA) II (DNA directed) polypeptide E, 25kDa	Nucleus	enzyme
1620	ALG2	-0,739	7,445	0.07251	0.5387	ALG2, alpha-1,3/1,6-mannosyltransferase	Cytoplasm	enzyme
1621	TPS3RK	-1,033	5,742	0.0726	0.5387	TPS3 regulating kinase	Nucleus	kinase
1622	SLC16A1	-1,062	5,709	0.07277	0.5387	solute carrier family 16 (monocarboxylate transporter), member 1	Plasma Membrane	transporter
1623	FAM86DP	-2,146	3,123	0.07275	0.5387	family with sequence similarity 86, member D, pseudogene	Other	other
1624	ZNF175	-1,834	3,850	0.07292	0.53939	zinc finger protein 175	Nucleus	transcription regulator
1625	TYW5	0,825	6,311	0.07312	0.54021	tRNA-yW synthesizing protein 5	Other	enzyme
1626	EPC1	0,725	7,194	0.07308	0.54021	enhancer of polycomb homolog 1 (Drosophila)	Nucleus	transcription regulator
1627	JMJD1C	0,816	8,743	0.07332	0.54042	jumonji domain containing 1C	Nucleus	other
1628	SLC23A2	-1,088	5,481	0.07337	0.54111	solute carrier family 23 (ascorbic acid transporter), member 2	Plasma Membrane	transporter
1629	LARP1	-0,722	7,560	0.07345	0.54131	La ribonucleoprotein domain family, member 1	Cytoplasm	translation regulator
1630	CHORDC1	-0,796	7,167	0.07345	0.54131	cysteine and histidine-rich domain (CHORD) containing 1	Other	other
1631	FAM172A	1,051	5,849	0.07355	0.54135	family with sequence similarity 172, member A	Cytoplasm	transcription regulator
1632	CLIC4	-1,069	6,292	0.07351	0.54135	chloride intracellular channel 4	Plasma Membrane	ion channel
1633	SDCCAG8	0,851	6,397	0.07374	0.54246	serologically defined colon cancer antigen 8	Cytoplasm	other
1634	RNR3P2	-1,659	4,225	0.07386	0.54298	RNA polymerase I transcription factor homolog (S. cerevisiae) pseudogene 2	Other	other
1635	AMZP2	1,722	4,185	0.074	0.54306	archaealysin family metalloprotease 2 pseudogene 2	Other	other
1636	RAB21	-0,607	7,952	0.07392	0.54306	RAB21, member RAS oncogene family	Cytoplasm	enzyme
1637	CAD	-1,132	5,598	0.07398	0.54306	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cytoplasm	enzyme
1638	SPATA5	1,609	4,446	0.07413	0.54366	spermatogenesis associated 5	Cytoplasm	other
1639	YPEL5	0,637	8,707	0.0742	0.5438	ypepel-like 5 (Drosophila)	Nucleus	other
1640	RAB2A	-0,655	7,330	0.07427	0.54402	RAB2A, member RAS oncogene family	Cytoplasm	enzyme
1641	SRF2	-0,618	8,083	0.07432	0.54407	serine/arginine-rich splicing factor 2	Nucleus	transcription regulator
1642	HENMT1	-1,007	6,368	0.07445	0.54464	HEN1 methyltransferase homolog 1 (Arabidopsis)	Other	enzyme
1643	RBM12B	-1,020	5,622	0.07449	0.54464	RNA binding motif protein 12B	Other	other
1644	CDK5RAP2	1,139	5,909	0.07469	0.54573	CDK5 regulatory subunit associated protein 2	Cytoplasm	other
1645	AHCYL2	1,262	4,885	0.07482	0.54602	adenosylhomocysteine-like 2	Other	enzyme
1646	DDX41	0,744	7,085	0.07486	0.54602	DEAD (Asp-Glu-Ala-Asp) box polypeptide 41	Nucleus	enzyme
1647	PPP1R18	0,739	6,811	0.07481	0.54602	protein phosphatase 1, regulatory subunit 18	Other	other
1648	CDC5L	0,717	6,860	0.07498	0.54653	cell division cycle 5-like	Nucleus	other
1649	HSPBAP1	-0,911	5,974	0.07507	0.54689	HSPB (heat shock 27kDa) associated protein 1	Other	other
1650	TBL3	-1,077	6,243	0.07513	0.54701	transducin (beta)-like 3	Cytoplasm	peptidase
1651	LRK37AG6	-3,072	3,514	0.07531	0.54795	leucine rich repeat containing 37, member A6, pseudogene	Other	other
1652	SETD7	2,025	4,824	0.07542	0.54846	SET domain containing (lysine methyltransferase) 7	Nucleus	enzyme
1653	OLFM1	-2,921	2,837	0.07547	0.54846	olfactomedin like 1	Extracellular Space	other
1654	MTCH2	-0,690	7,206	0.07573	0.54899	mitochondrial carrier 2	Cytoplasm	other
1655	CDC47	-0,942	6,470	0.0757	0.54899	coiled-coil domain containing 47	Extracellular Space	other
1656	PRMT3	-1,697	5,052	0.07561	0.54899	protein arginine methyltransferase 3	Nucleus	enzyme
1657	CERS6	-2,304	3,539	0.07566	0.54899	ceramide synthase 6	Nucleus	transcription regulator
1658	TPM3P7	2,575	2,429	0.07598	0.54939	tropomyosin 3 pseudogene 7	Other	other
1659	STMN3	1,258	4,897	0.0761	0.54939	stathmin-like 3	Nucleus	other
1660	RNF38	0,848	7,080	0.07609	0.54939	ring finger protein 38	Nucleus	enzyme
1661	QARS	0,660	8,031	0.07588	0.54939	glutaminyl-tRNA synthetase	Cytoplasm	enzyme
1662	TGFB1	0,621	8,641	0.07602	0.54939	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)	Plasma Membrane	transmembrane receptor
1663	QTRT01	-0,959	6,356	0.0761	0.54939	queuine tRNA-ribosyltransferase domain containing 1	Cytoplasm	other
1664	APLAR	-1,177	5,687	0.07584	0.54939	adaptor-related protein complex 1 associated regulatory protein	Cytoplasm	other
1665	GYS1	1,405	5,453	0.07622	0.54962	glycogen synthase 1 (muscle)	Cytoplasm	enzyme
1666	SNRNP40	-0,699	6,984	0.07621	0.54962	small nuclear ribonucleoprotein 40kDa (U5)	Nucleus	other
1667	FOXRED1	-1,165	6,111	0.07629	0.54977	FAD-dependent oxidoreductase domain containing 1	Cytoplasm	other
1668	DDX11-AS1	3,175	2,503	0.0767	0.55027	DDX11 antisense RNA 1	Other	other
1669	CSR2P2	1,899	4,022	0.07654	0.55027	cysteine and glycine-rich protein 2	Nucleus	other
1670	LINC00338	1,556	4,166	0.07642	0.55027	small nucleolar RNA host gene 20	Other	other
1671	SERTAD3	1,187	5,012	0.07681	0.55027	SERTA domain containing 3	Nucleus	transcription regulator
1672	MSL2	0,997	6,127	0.07665	0.55027	male-specific lethal 2 homolog (Drosophila)	Nucleus	other
1673	MRFPAP1L1	-0,583	7,952	0.07685	0.55027	Morf4 family associated protein 1-like 1	Other	other
1674	FBXO34	-0,640	7,900	0.07665	0.55027	F-box protein 34	Other	other
1675	SCNM1	-0,763	6,499	0.07687	0.55027	sodium channel modifier 1	Nucleus	other
1676	C22orf46	-1,329	5,149	0.07688	0.55027	chromosome 22 open reading frame 46	Other	other
1677	IMPACT	-1,327	5,018	0.0769	0.55027	impact RWD domain protein	Other	other
1678	ARRB1	-2,108	4,235	0.07691	0.55027	arrestin, beta 1	Cytoplasm	other
1679	ABI3	-3,242	3,322	0.0765	0.55027	ABI family, member 3	Plasma Membrane	other
1680	FYB	-1,315	6,711	0.07699	0.55052	FYB binding protein	Nucleus	other
1681	RUVBL2	-0,739	6,841	0.07711	0.55104	RuvB-like AAA ATPase 2	Nucleus	transcription regulator
1682	CNDP2	-0,801	7,894	0.07738	0.55232	CNDP dipeptidase 2 (metalloprotease M20 family)	Cytoplasm	peptidase
1683	MAGEH1	-1,207	5,146	0.07737	0.55232	melanoma antigen family H1	Cytoplasm	other
1684	PKFB3	0,706	6,906	0.0775	0.55272	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3	Nucleus	kinase
1685	TIMM50	-1,011	5,658	0.07753	0.55272	translocase of inner mitochondrial membrane 50 homolog (S. cerevisiae)	Cytoplasm	phosphatase
1686	DOCK6	2,460	3,429	0.07758	0.55275	docking protein 6	Other	other
1687	HDHD1	-1,369	4,957	0.07769	0.5529	haloacid dehalogenase-like hydrolase domain containing 1	Cytoplasm	enzyme
1688	PRDM15	-1,517	5,336	0.07767	0.5529	PR domain containing 15	Nucleus	other
1689	ACVR1B	1,695	4,417	0.07778	0.55305	activin A receptor, type IIB	Plasma Membrane	kinase
1690	STK36	1,369	5,061	0.07807	0.55493	serine/threonine kinase 36	Cytoplasm	kinase
1691	TRADD	0,775	6,901	0.07816	0.55525	TNFRSF1A-associated via death domain	Cytoplasm	other
1692	RAD18	1,288	5,076	0.07824	0.5555	RAD18 E3 ubiquitin protein ligase	Nucleus	other
1693	RLF	0,673	7,177	0.07836	0.55567	rearranged L-myc fusion	Nucleus	transcription regulator
1694	SLC25A20	-0,950	5,927	0.07832	0.55567	solute carrier family 25 (carnitine/acylcarnitine translocase), member 20	Cytoplasm	transporter
1695	C1RL-AS1	2,486	3,758	0.07854	0.55629	C1RL antisense RNA 1	Other	other
1696	AR	-2,732	2,993	0.07854	0.55629	androgen receptor	Nucleus	ligand-dependent nuclear receptor
1697	POLA1	1,556	4,558	0.07868	0.55667	polymerase (DNA directed), alpha 1, catalytic subunit	Nucleus	enzyme
1698	C8orf40	-0,913	6,021	0.07868	0.55667	small integral membrane protein 19	Nucleus	other
1699	SET	-0,639	7,364	0.07882	0.55731	SET nuclear proto-oncogene	Nucleus	other
1700	UEVLD	-1,110	5,764	0.07897	0.55806	UEV and lactate/malate dehydrogenase domains	Cytoplasm	enzyme
1701	RAA0895	2,681	3,511	0.07922	0.5583	RAA0895	Other	other
1702	ZNF821	1,627	3,973	0.07933	0.55882	zinc finger protein 821	Other	other
1703	CAT	0,697	6,819	0.07926	0.5583	catalase	Cytoplasm	enzyme
1704	CLTA	-0,678	6,933	0.07929	0.5583	clathrin, light chain A	Plasma Membrane	other
1705	MRP63	-0,731	6,677	0.07909	0.5583	mitochondrial ribosomal protein L57	Cytoplasm	other
1706	ACAD9	-1,232	5,307	0.07921	0.5583	acyl-CoA dehydrogenase family, member 9	Cytoplasm	enzyme
1707	HLA-DQB1	-2,989	3,929	0.07932	0.5583	major histocompatibility complex, class II, DQ beta 1	Plasma Membrane	other
1708	LVL1	1,965	4,060	0.07947	0.55892	lymphoblastic leukemia associated hematopoiesis regulator 1	Nucleus	transcription regulator
1709	TPM2	1,798	3,413	0.07978	0.5591	tropomyosin 2 (beta)	Other	other
1710	CHAMP1	1,712	3,740	0.07982	0.5591	chromosome alignment maintaining phosphoprotein 1	Nucleus	other
1711	EIF2AK2	0,700	7,558	0.07967	0.5591	eukaryotic translation initiation factor 2-alpha kinase 2	Cytoplasm	kinase
1712	MACF1	0,627	9,165	0.07998	0.5591	microtubule-actin crosslinking factor 1	Cytoplasm	enzyme
1713	SPG21	-0,710	6,778	0.07964	0.5591	spastic paraplegia 21 (autosomal recessive, Mast syndrome)	Plasma Mem	

1716	LRRG70	2,655	3,407	0.07997	0.55927	leucine rich repeat containing 70	Other	other
1717	CD99L2	2,125	4,441	0.07994	0.55927	CD99 molecule-like 2	Plasma Membrane	other
1718	DNPEP	-0,845	7,201	0.08003	0.55927	aspartyl aminopeptidase	Cytoplasm	peptidase
1719	YIPF2	-1,812	4,092	0.08003	0.55927	Yip1 domain family, member 2	Cytoplasm	other
1720	PHF1	0,685	7,285	0.08022	0.55998	PHD finger protein 1	Nucleus	transcription regulator
1721	SSU72	-0,601	7,809	0.08022	0.55998	SSU72 RNA polymerase II CTD phosphatase homolog (S. cerevisiae)	Other	phosphatase
1722	ZNF384	1,002	5,886	0.08048	0.56148	zinc finger protein 384	Nucleus	transcription regulator
1723	ERMN	1,244	5,486	0.08055	0.56162	ermin, ENK-like protein	Extracellular Space	other
1724	KCNAB2	0,770	6,478	0.08063	0.56185	potassium channel, voltage gated subfamily A regulatory beta subunit 2	Plasma Membrane	ion channel
1725	DNAUC5	-1,122	6,244	0.08081	0.56247	DnaJ (Hsp40) homolog, subfamily C, member 5	Plasma Membrane	other
1726	WBP4	-1,158	5,278	0.08078	0.56247	WW domain binding protein 4	Cytoplasm	other
1727	RBBP9	1,656	4,802	0.08107	0.56303	retinoblastoma binding protein 9	Nucleus	other
1728	RBM43	1,543	4,068	0.08134	0.56303	RNA binding motif protein 43	Other	other
1729	ZNF704	1,220	5,842	0.08102	0.56303	zinc finger protein 704	Other	other
1730	ZNF816	1,062	5,882	0.08102	0.56303	zinc finger protein 816	Other	other
1731	CCDC57	1,038	5,564	0.08129	0.56303	coiled-coil domain containing 57	Other	other
1732	ATP2B4	0,912	7,693	0.08113	0.56303	ATPase, Ca++ transporting, plasma membrane 4	Plasma Membrane	transporter
1733	CEP135	0,811	6,226	0.08124	0.56303	centrosomal protein 135kDa	Cytoplasm	other
1734	TMEM181	-0,936	6,146	0.08136	0.56303	transmembrane protein 181	Other	other
1735	TCPI1L1	-1,447	4,965	0.08131	0.56303	I-complex 11, testis-specific-like 1	Cytoplasm	other
1736	CABLES2	-2,085	4,129	0.08135	0.56303	CAS and Abl enzyme substrate 2	Other	other
1737	SLC29A3	1,532	4,332	0.08178	0.56455	solute carrier family 29 (equilibrative nucleoside transporter), member 3	Plasma Membrane	transporter
1738	ING2	1,312	5,080	0.08191	0.56455	inhibitor of growth family, member 2	Nucleus	transcription regulator
1739	PIG8	1,130	5,387	0.08165	0.56455	phosphatidylinositol glycan anchor biosynthesis, class B	Cytoplasm	enzyme
1740	PSMA6P1	-0,871	6,231	0.08169	0.56455	proteasome (prosome, macropain) subunit, alpha type, 6 pseudogene 1	Other	other
1741	FTX	-1,155	5,270	0.08189	0.56455	FTX transcript, XIST regulator (non-protein coding)	Other	other
1742	MPDU1	-1,567	4,700	0.08191	0.56455	mannose-6-phosphate utilization defect 1	Cytoplasm	other
1743	PACRGL	-1,727	4,266	0.08177	0.56455	PARK2 co-regulated-like	Other	other
1744	TMC06	-1,275	5,356	0.08199	0.56479	transmembrane and coiled-coil domains 6	Other	other
1745	TFCP2	-0,950	5,672	0.08213	0.56513	transcription factor CP2	Nucleus	transcription regulator
1746	KIAA1919	-1,361	4,550	0.08214	0.56513	KIAA1919	Other	peptidase
1747	HDA9	2,870	1,964	0.08232	0.56571	histone deacetylase 9	Nucleus	transcription regulator
1748	RLTDR	-1,392	5,164	0.08232	0.56571	RGD motif, leucine rich repeats, tropomodulin domain and proline-rich containing	Plasma Membrane	other
1749	CTNND1	1,614	4,450	0.08241	0.56604	catenin (cadherin-associated protein), delta 1	Nucleus	other
1750	STL7	1,568	4,593	0.0825	0.56635	suppression of tumorigenicity 7 like	Other	other
1751	CRTPAP	0,784	6,724	0.08266	0.56708	cartilage associated protein	Extracellular Space	other
1752	CEBPB	-1,221	4,869	0.08276	0.56746	CCAAT/enhancer binding protein (C/EBP), beta	Nucleus	transcription regulator
1753	RNU6-60	2,890	1,973	0.08367	0.56799			
1754	IGSF9B	2,375	2,854	0.08304	0.56799	immunoglobulin superfamily, member 9B	Plasma Membrane	other
1755	RPSAP53	2,306	2,444	0.08398	0.56799	ribosomal protein S4 pseudogene 53	Other	other
1756	CACNB1	2,294	2,993	0.08379	0.56799	calcium channel, voltage-dependent, beta 1 subunit	Other	ion channel
1757	TRIGP2	2,214	2,630	0.08312	0.56799	T cell receptor gamma joining P2	Other	other
1758	ABCA3	2,124	3,413	0.08348	0.56799	ATP-binding cassette, sub-family A (ABC1), member 3	Plasma Membrane	transporter
1759	OCLM	1,808	3,644	0.08364	0.56799	occludin	Other	other
1760	SOC2	1,849	6,048	0.08331	0.56799	suppressor of cytokine signalling 2	Cytoplasm	other
1761	EPD01	1,827	4,803	0.08346	0.56799	endonuclease/exonuclease/phosphatase family domain containing 1	Other	other
1762	IL1RAP	1,747	3,983	0.0837	0.56799	interleukin 1 receptor accessory protein	Plasma Membrane	transmembrane receptor
1763	PPARD	1,469	4,482	0.08326	0.56799	peroxisome proliferator-activated receptor delta	Nucleus	ligand-dependent nuclear receptor
1764	C10orf12	1,394	4,540	0.08366	0.56799	chromosome 10 open reading frame 12	Other	transcription regulator
1765	KIF5C	1,249	5,388	0.0839	0.56799	kinesin family member 5C	Cytoplasm	other
1766	C6orf136	1,187	5,261	0.08297	0.56799	chromosome 6 open reading frame 136	Cytoplasm	other
1767	VAMP4	0,719	6,810	0.08401	0.56799	vesicle-associated membrane protein 4	Cytoplasm	other
1768	CNOT10	0,708	6,902	0.0842	0.56799	CCR4-NOT transcription complex, subunit 10	Cytoplasm	other
1769	TMX4	0,672	7,594	0.0838	0.56799	thioredoxin-related transmembrane protein 4	Cytoplasm	enzyme
1770	DDX42	0,621	7,216	0.08434	0.56799	DEAD (Asp-Glu-Ala-Asp) box helicase 42	Cytoplasm	enzyme
1771	TMEM230	-0,640	7,172	0.0843	0.56799	transmembrane protein 230	Other	other
1772	MIRF127	-0,863	6,227	0.08348	0.56799	mitochondrial ribosomal protein L27	Cytoplasm	other
1773	NRAS	-0,916	6,478	0.08429	0.56799	neuroblastoma RAS viral (v-ras) oncogene homolog	Plasma Membrane	enzyme
1774	TBC1D1	-0,963	5,701	0.08435	0.56799	TBC1 (tre-2/USP6, BUR2, cdc16) domain family, member 1	Nucleus	other
1775	VPS16	-1,082	5,816	0.08333	0.56799	vacuolar protein sorting 16 homolog (S. cerevisiae)	Cytoplasm	transporter
1776	ARV1	-1,134	5,344	0.08406	0.56799	ARV1 homolog (S. cerevisiae)	Cytoplasm	other
1777	ARL2	-1,142	5,257	0.08423	0.56799	ADP-ribosylation factor-like 2	Cytoplasm	enzyme
1778	NEK6	-1,381	4,757	0.08302	0.56799	NIMA-related kinase 6	Nucleus	kinase
1779	JMID4	-1,769	3,897	0.08405	0.56799	jumonji domain containing 4	Other	other
1780	FAM53B	-1,815	4,364	0.08332	0.56799	family with sequence similarity 53, member 8	Other	other
1781	BCL2L1	-1,891	5,037	0.08421	0.56799	BCL2-like 1	Cytoplasm	other
1782	C2orf81	-2,514	3,577	0.08379	0.56799	chromosome 2 open reading frame 81	Other	other
1783	MYLK-AS1	-3,007	2,862	0.08355	0.56799	MYLK antisense RNA 1	Other	other
1784	MAP3K6	-3,322	3,078	0.08371	0.56799	mitogen-activated protein kinase kinase kinase 6	Other	kinase
1785	CXADR	-2,702	2,238	0.08444	0.56811	coxsackie virus and adenovirus receptor	Plasma Membrane	transmembrane receptor
1786	SDHB	-2,704	6,855	0.08446	0.56811	succinate dehydrogenase complex, subunit B, iron sulfur (lp)	Cytoplasm	enzyme
1787	CELSR1	-2,544	2,632	0.08452	0.56816	cadherin, EGF LAG seven-pass G-type receptor 1	Plasma Membrane	G-protein coupled receptor
1788	MORF4L2-1	2,234	2,194	0.08474	0.56867	MORF4L2 antisense RNA 1	Other	other
1789	NBPF1	1,773	4,189	0.08502	0.56867	neuroblastoma breakpoint family, member 15	Other	other
1790	ARL4A	1,181	7,041	0.08514	0.56867	ADP-ribosylation factor-like 4A	Nucleus	enzyme
1791	DENND1C	0,804	6,687	0.08509	0.56867	DENN/MADD domain containing 1C	Other	other
1792	TBL1X	0,802	7,013	0.08511	0.56867	transducin (beta)-like 1X-linked	Nucleus	transcription regulator
1793	SPAG7	-0,658	7,071	0.08496	0.56867	sperm associated antigen 7	Nucleus	other
1794	LAMTOR1	-0,675	6,950	0.08482	0.56867	late endosomal/lysosomal adaptor, MAPK and MTOR activator 1	Plasma Membrane	other
1795	GID8	-0,740	7,071	0.08516	0.56867	GID complex subunit 8	Nucleus	other
1796	HP2	-1,446	4,682	0.08468	0.56867	hepatic pigmentosa 2 (X-linked recessive)	Cytoplasm	enzyme
1797	DNA4L	-1,722	4,192	0.08471	0.56867	dyx1c1, axonemal, light chain 4	Cytoplasm	enzyme
1798	CLEC4A	-2,080	2,801	0.08507	0.56867	C-type lectin domain family 4, member A	Plasma Membrane	transmembrane receptor
1799	IL12RB2	-3,058	2,629	0.08512	0.56867	interleukin 12 receptor, beta 2	Plasma Membrane	transmembrane receptor
1800	EMIL2	1,636	4,811	0.08558	0.56966	echinoderm microtubule associated protein like 2	Cytoplasm	other
1801	CABIN1	1,164	5,941	0.08546	0.56966	calcineurin binding protein 1	Nucleus	other
1802	KLHL7	0,821	6,349	0.08558	0.56966	kelch-like family member 7	Nucleus	other
1803	C7orf41	-1,348	5,785	0.08545	0.56966	maturin, neural progenitor differentiation regulator homolog (Xenopus)	Other	other
1804	METTL2B	-1,419	4,327	0.08559	0.56966	methyltransferase like 2B	Other	enzyme
1805	UBE2S	-1,438	4,434	0.08539	0.56966	ubiquitin-conjugating enzyme E2S	Nucleus	enzyme
1806	ZDHHC24	1,654	3,789	0.08575	0.56968	zinc finger, DHHC-type containing 24	Plasma Membrane	other
1807	PRPF40A	-0,562	8,577	0.08574	0.56968	PRPF40 pre-mRNA processing factor 40 homolog A (S. cerevisiae)	Nucleus	other
1808	PRPK	-0,938	5,331	0.08578	0.56968	phosphomevalonate kinase	Cytoplasm	kinase
1809	B3GNT9	-3,295	2,440	0.08572	0.56968	UDP-glucose 4-epimerase beta-1,3-N-acetylglucosaminyltransferase 9	Other	enzyme
1810	LINC00339	1,848	4,054	0.08601	0.56998	long intergenic non-protein coding RNA 339	Other	other
1811	SSNA1	-0,708	6,729	0.08602	0.56998	Sjogren syndrome nuclear autoantigen 1	Cytoplasm	other
1812	TNFAIP1	-1,032	5,538	0.086	0.56998	tumor necrosis factor, alpha-induced protein 1 (endothelial)	Plasma Membrane	ion channel
1813	CTNNA1	-1,536	4,697	0.08594	0.56998	catenin (cadherin-associated protein), alpha 1, 102kDa	Plasma Membrane	other
1814	SBF1	-0,999	5,803	0.08617	0.57035	SET binding factor 1	Plasma Membrane	phosphatase
1815	LTA	-1,705	7,922	0.08615	0.57035	lymphotoxin alpha	Extracellular Space	cytokine
1816	SLC38A6	1,558	3,846	0.08623	0.57044	solute carrier family 38, member 6	Other	transporter
1817	LYRM5	1,377	4,631	0.08658	0.57085	LYR motif containing 5	Cytoplasm	other
1818	CCM2	0,612	7,626	0.08649	0.57085	cerebral cavernous malformation 2	Cytoplasm	other
1819	UBP1	-0,836	6,152	0.08646	0.57085	ubiquitin binding protein 1 (LBP-1a)	Cytoplasm	transcription regulator
1820	ZNF281	-0,845	6,805	0.08654	0.57085	zinc finger protein 281	Nucleus	transcription regulator
1821	ZNF588	-1,151	5,368	0.08652	0.57085	zinc finger protein 588	Other	other
1822	PAXIP1	-1,440	4,632	0.08655	0.57085	PAX interacting (with transcription-activation domain) protein 1	Nucleus	other
1823	MCF2L2	1,388	6,148	0.08663	0.5709	MCF-2 cell line derived transforming sequence-like 2	Other	other
1824	PDXDC1	-0,785	7,314	0.08682	0.57154	pyridoxal-dependent decarboxylase domain containing 1	Cytoplasm	other
1825	AVIL	-1,447	4,582	0.08678	0.57154	avillin	Plasma Membrane	other
1826	GOLGA8B	0,947	6,938	0.08691	0.5718	golgin A8 family, member A	Cytoplasm	other
1827	PORG1	0,990	6,084	0.08712	0.57224	p53 and DNA-damage regulated 1	Cytoplasm	other
1828	KIAA1430	-0,628	7,281	0.08712	0.57224	cilia and flagella associated protein 97	Other	other
1829	RHOC	-1,248	4,627	0.0871	0.57224	ras homolog family member C	Plasma Membrane	enzyme
1830	ARHGAP5	0,618	8,488	0.08717	0.57224	Rho GTPase activating protein 5	Cytoplasm	enzyme
1831	ZNF484	1,488	4,712	0.08731	0.57235	zinc finger protein 484	Nucleus	other
1832	ZNF750	0,845	6,343	0.08726	0.57235	zinc finger protein 750	Other	other
1833	MTFRF02	0,734	7,151	0.08733	0.57235	mitochondrial transcription termination factor 4	Cytoplasm	other
1834	ZEB1	0,772	7,204	0.08746	0.57292	zinc finger E-box binding homeobox 1	Nucleus	transcription regulator
1835	NDUFAF3	0,864	6,024	0.08754	0.57312	NADH dehydrogenase (ubiquinone) complex 1, assembly factor 3	Nucleus	other
1836	ANKRD18E	2,914	3,223	0.08776	0.57421	ankyrin repeat domain 18E, pseudogene	Other	other
1837	BSDC1	-0,622	7,743	0.08792	0.57495	BSD domain containing 1	Other	other
1838	MYO9A	0,676	6,952	0.08829	0.57652	myosin IXA	Cytoplasm	enzyme
1839	ATXN7L3B	0,610	7,704	0.08833	0.57652	ataxin 7-like 3B	Other	other
1840	LMTK2	-1,299	5,119	0.08831	0.57652	lemur tyrosine kinase 2	Cytoplasm	kinase
1841	MAL	-1,942	4,279	0.08835	0.57652	mal, T-cell differentiation protein	Plasma Membrane	transporter
1842	AP2A2	1,344	4,430	0.08845	0.57658	adaptor-related protein complex 2, alpha 2 subunit	Cytoplasm	transporter
1843	SRA1	-0,726	6,784	0.08853	0.57658	steroid receptor RNA activator 1	Nucleus	transcription regulator
1844	ACAT1	-0,908	6,263	0.0886	0.57658	acetyl-CoA acetyltransferase 1	Cytoplasm	enzyme
1845	PH	-1,302						

1848	STOML2	-0.742	6.599	0.08878	0.57704	stomatrin (EPB72)-like 2	Plasma Membrane	other
1849	NC51	-2.317	4.634	0.08881	0.57704	neuronal calcium sensor 1	Cytoplasm	other
1850	MPHOSPH1	-0.615	7.298	0.08896	0.57768	M-phase phosphoprotein 10 (U3 small nucleolar ribonucleoprotein)	Nucleus	other
1851	PPP1R8	-1.192	5.269	0.08917	0.57873	protein phosphatase 1, regulatory subunit 8	Nucleus	phosphatase
1852	ABTB2	-2.145	2.595	0.08928	0.57911	ankyrin repeat and BTB (POZ) domain containing 2	Nucleus	other
1853	INTS4	-0.801	6.172	0.08933	0.57914	integrator complex subunit 4	Nucleus	other
1854	AMPD2	1.135	6.236	0.0895	0.57995	adenosine monophosphate deaminase 2	Cytoplasm	enzyme
1855	ANKS1A	1.495	4.931	0.08962	0.5804	ankyrin repeat and sterile alpha motif domain containing 1A	Cytoplasm	other
1856	TTC3P1	0.675	7.167	0.08969	0.58052	tetratricopeptide repeat domain 3 pseudogene 1	Other	other
1857	DNAH6	4.116	1.599	0.08976	0.58057	dynein, axonemal, heavy chain 6	Extracellular Space	other
1858	PDIA4	0.646	7.938	0.08979	0.58057	protein disulfide isomerase family A, member 4	Cytoplasm	enzyme
1859	MAP3K11	-0.912	5.749	0.08998	0.58145	mitogen-activated protein kinase kinase kinase 11	Cytoplasm	kinase
1860	BCL6	1.219	4.959	0.09018	0.58185	B-cell CLL/lymphoma 6	Nucleus	transcription regulator
1861	TMEM66	0.573	9.891	0.09011	0.58185	store-operated calcium entry-associated regulatory factor	Cytoplasm	other
1862	NUDT11	-1.771	3.548	0.09021	0.58185	nudix (nucleoside diphosphate linked moiety X)-type motif 11	Cytoplasm	phosphatase
1863	MT1E	-4.198	1.621	0.09023	0.58185	metallothionein 1E	Other	other
1864	MRPL23	-3.986	1.546	0.09031	0.58205	mitochondrial ribosomal protein L23	Cytoplasm	other
1865	PLAUR	1.529	4.949	0.09049	0.58287	plasminogen activator, urokinase receptor	Plasma Membrane	transmembrane receptor
1866	DIRC2	2.035	3.479	0.09055	0.58294	disrupted in renal carcinoma 2	Other	other
1867	POLN	3.036	2.767	0.09068	0.5834	polymerase (DNA-directed) nu	Nucleus	enzyme
1868	BCL3	1.216	7.085	0.09081	0.5834	B-cell CLL/lymphoma 3	Nucleus	transcription regulator
1869	ZMYM2	0.593	7.893	0.09078	0.5834	zinc finger, MYM-type 2	Nucleus	other
1870	ZNF526	-2.099	4.335	0.09076	0.5834	zinc finger protein 526	Other	other
1871	FKBP14	1.237	4.833	0.09091	0.58343	FK506 binding protein 14, 22 kDa	Cytoplasm	enzyme
1872	SlAH1	1.120	5.042	0.09088	0.58343	slah E3 ubiquitin protein ligase 1	Nucleus	enzyme
1873	PDE3B	0.581	8.676	0.09122	0.5848	phosphodiesterase 3B, cGMP-inhibited	Cytoplasm	enzyme
1874	FAM96AP2	-2.523	2.135	0.09119	0.5848	family with sequence similarity 96, member A pseudogene 2	Other	other
1875	TAPBP	-0.691	8.835	0.09159	0.58685	TAP binding protein (tapasin)	Cytoplasm	transporter
1876	CEP250	1.106	5.789	0.0917	0.58722	centrosomal protein 250kDa	Nucleus	other
1877	ADARB1	1.068	5.648	0.09175	0.58725	adenosine deaminase, RNA-specific, B1	Nucleus	enzyme
1878	CGRRF1	1.044	6.295	0.09188	0.58725	cell growth regulator with ring finger domain 1	Nucleus	other
1879	KDM2B	0.925	5.721	0.09204	0.58725	lysine [K]-specific demethylase 2B	Nucleus	other
1880	NFE2L1	-1.344	4.948	0.09198	0.58725	nuclear factor, erythroid 2-like 1	Nucleus	transcription regulator
1881	C21orf56	-1.537	3.892	0.09188	0.58725	spermatogenesis and centriole associated 1-like	Other	other
1882	MRPS17	-1.763	3.054	0.09194	0.58725	mitochondrial ribosomal protein S17	Cytoplasm	other
1883	SESTD1	-2.297	3.818	0.09202	0.58725	SEC14 and spectrin domains 1	Extracellular Space	other
1884	SNTA1	1.403	5.062	0.0921	0.58727	syntrophin, alpha 1	Plasma Membrane	other
1885	SPRED2	2.618	3.585	0.09234	0.5882	sprouty-related, EVH1 domain containing 2	Extracellular Space	cytokine
1886	GPR132	1.032	5.636	0.09233	0.5882	G protein-coupled receptor 132	Plasma Membrane	G-protein coupled receptor
1887	KIAA0232	-0.904	6.397	0.09247	0.58871	KIAA0232	Extracellular Space	other
1888	CCDC136	2.465	3.260	0.09267	0.58929	coiled-coil domain containing 136	Cytoplasm	other
1889	THAP9-AS1	1.124	5.986	0.09273	0.58929	THAP9 antisense RNA 1	Other	other
1890	LRRIIP1	0.579	8.929	0.09276	0.58929	leucine rich repeat (in FLII) interacting protein 1	Cytoplasm	other
1891	HMGAIIP4	-2.785	2.461	0.09264	0.58929	high mobility group AT-hook 1 pseudogene 4	Other	other
1892	ZNF193	1.705	5.206	0.09211	0.59009	zinc finger and SCAN domain containing 9	Nucleus	transcription regulator
1893	GZF1	-1.359	4.706	0.09309	0.59009	GDNF-inducible zinc finger protein 1	Nucleus	other
1894	ACBD4	2.084	4.017	0.09321	0.59126	acyl-CoA binding domain containing 4	Other	other
1895	TMCG	0.837	7.023	0.09332	0.59164	transmembrane channel-like 6	Cytoplasm	transporter
1896	NRIP3	1.588	5.515	0.09348	0.59229	nuclear receptor interacting protein 3	Other	other
1897	C7orf60	1.086	5.488	0.09355	0.59246	chromosome 7 open reading frame 60	Other	other
1898	NFIA	1.553	3.764	0.09372	0.5932	nuclear factor I/A	Nucleus	transcription regulator
1899	LIMK2	0.915	7.230	0.09389	0.59342	LIM domain kinase 2	Cytoplasm	kinase
1900	PPP6R1	-0.786	6.373	0.0939	0.59342	protein phosphatase 6, regulatory subunit 1	Cytoplasm	other
1901	FAM65A	-1.135	5.221	0.09384	0.59342	family with sequence similarity 65, member A	Cytoplasm	other
1902	PPP1C8	0.570	8.776	0.09411	0.59412	protein phosphatase 1, catalytic subunit, beta isozyme	Cytoplasm	phosphatase
1903	GPR155	-0.805	6.292	0.09416	0.59412	G protein-coupled receptor 155	Plasma Membrane	G-protein coupled receptor
1904	MAAF	-0.928	6.291	0.09415	0.59412	mesencephalic astrocyte-derived neurotrophic factor	Extracellular Space	other
1905	PCSK5	1.923	4.453	0.09425	0.59415	proprotein convertase subtilisin/kexin type 5	Extracellular Space	peptidase
1906	PER3	-1.407	4.251	0.09426	0.59415	period circadian clock 3	Nucleus	other
1907	ATOX1	-0.927	6.146	0.09432	0.59418	antioxidant 1 copper chaperone	Cytoplasm	transporter
1908	F2RL2	1.357	4.714	0.09439	0.59431	coagulation factor II (thrombin) receptor-like 2	Plasma Membrane	G-protein coupled receptor
1909	HPS3	0.915	6.221	0.09451	0.59476	Hermansky-Pudlak syndrome 3	Cytoplasm	other
1910	ZNF90P1	1.716	3.644	0.09484	0.59532	zinc finger protein 90 pseudogene 1	Other	other
1911	RGL2	1.184	5.377	0.09472	0.59532	ral guanine nucleotide dissociation stimulator-like 2	Cytoplasm	other
1912	UXS1	-0.809	6.474	0.09485	0.59532	UDP-glucuronate decarboxylase 1	Cytoplasm	enzyme
1913	DFFA	-1.034	6.002	0.09487	0.59532	DNA fragmentation factor, 45kDa, alpha polypeptide	Nucleus	enzyme
1914	QPCT	-1.402	5.937	0.09475	0.59532	glutaminyl-peptide cyclotransferase	Cytoplasm	enzyme
1915	VSIG10	-2.267	3.077	0.09489	0.59532	V-set and immunoglobulin domain containing 10	Other	other
1916	PLD1	1.492	4.443	0.09499	0.59561	phospholipase D1, phosphatidylcholine-specific	Cytoplasm	enzyme
1917	CCDC125	-1.859	4.101	0.09515	0.59627	coiled-coil domain containing 125	Other	other
1918	NIPAL3	-0.763	6.358	0.09526	0.59667	NIPA-like domain containing 3	Other	other
1919	PGLS	-0.855	6.143	0.09532	0.59674	6-phosphogluconolactonase	Cytoplasm	enzyme
1920	FBXO33	0.770	6.384	0.09543	0.59702	F-box protein 33	Other	other
1921	SHOC2	-0.623	7.378	0.09554	0.59702	soc-2 suppressor of clear homolog (C. elegans)	Cytoplasm	other
1922	TGFB2	-0.975	6.883	0.09552	0.59702	transforming growth factor, beta receptor II (70/80kDa)	Plasma Membrane	kinase
1923	KRT8P22	-2.899	3.628	0.09556	0.59702	keratin 8 pseudogene 22	Other	other
1924	MAP1B	1.876	3.129	0.09592	0.59705	microtubule-associated protein 1B	Cytoplasm	other
1925	ZNF91	-0.763	7.605	0.09579	0.59705	zinc finger protein 91	Nucleus	transcription regulator
1926	PRUNE	-0.811	6.285	0.09576	0.59705	prune exopolyphosphatase	Nucleus	enzyme
1927	TIFA	-0.966	6.218	0.09585	0.59705	TRAF-interacting protein with forkhead-associated domain	Other	other
1928	BPT1	-1.525	4.809	0.09577	0.59705	3'(2'),5'-bisphosphate nucleotidase 1	Nucleus	phosphatase
1929	RG30	-1.584	5.350	0.09567	0.59705	regulator of G-protein signaling 10	Cytoplasm	other
1930	LINC00649	-2.187	5.014	0.09589	0.59705	long intergenic non-protein coding RNA 649	Other	other
1931	NEK1	-0.649	7.864	0.09606	0.59707	NIMA-related kinase 1	Nucleus	kinase
1932	TSR3	-0.863	6.081	0.09607	0.59707	TSR3, 20S rRNA accumulation, homolog (S. cerevisiae)	Other	other
1933	PACS2	-1.184	5.319	0.09605	0.59707	phosphofurin acidic cluster sorting protein 2	Plasma Membrane	other
1934	BCLAF1	0.533	8.685	0.09612	0.5971	BCL2-associated transcription factor 1	Nucleus	transcription regulator
1935	CXCR4	0.537	9.520	0.09627	0.59751	chemokine (C-X-C motif) receptor 4	Plasma Membrane	G-protein coupled receptor
1936	CARD6	-2.348	3.624	0.09629	0.59751	caspase recruitment domain family, member 6	Cytoplasm	other
1937	C17orf59	1.579	4.115	0.0964	0.59787	chromosome 17 open reading frame 59	Other	other
1938	BZRAP1	1.801	3.594	0.09657	0.5979	benzodiazepine receptor (peripheral) associated protein 1	Cytoplasm	other
1939	HOMB3	1.775	3.291	0.09674	0.5979	homeobox B3	Nucleus	transcription regulator
1940	FBXO31	1.124	5.537	0.09682	0.5979	F-box protein 31	Extracellular Space	other
1941	CALCOQ2	-0.590	8.254	0.09652	0.5979	calcium binding and coiled-coil domain 2	Nucleus	other
1942	SLC25A46	-0.607	7.173	0.0968	0.5979	solute carrier family 25, member 46	Cytoplasm	other
1943	PHB	-0.869	5.809	0.09677	0.5979	prohibitin	Nucleus	transcription regulator
1944	C8orf33	-1.081	6.284	0.09685	0.5979	chromosome 8 open reading frame 33	Other	other
1945	LPAT1	-1.213	5.029	0.09646	0.5979	lysophosphatidylcholine acyltransferase 1	Cytoplasm	enzyme
1946	GCSHP5	-1.960	2.682	0.09672	0.5979	glycine cleavage system protein H pseudogene 5	Other	other
1947	SMC3	-0.590	7.572	0.09691	0.59796	structural maintenance of chromosomes 3	Nucleus	other
1948	CECR5	0.826	6.727	0.09697	0.59805	cat eye syndrome chromosome region, candidate 5	Cytoplasm	other
1949	MYC	0.842	6.851	0.09732	0.59899	v-myc avian myelocytomatosis viral oncogene homolog	Nucleus	transcription regulator
1950	RASA3	0.783	6.364	0.09728	0.59899	RAS p21 protein activator 3	Plasma Membrane	ion channel
1951	PAN2	0.688	7.108	0.09727	0.59899	PAN2 poly(A) specific ribonuclease subunit	Cytoplasm	peptidase
1952	PSMD2	-0.566	8.370	0.09726	0.59899	proteasome (prosome, macropain) 26S subunit, non-ATPase, 2	Cytoplasm	other
1953	H2AFZ	-0.585	7.252	0.09737	0.59899	H2A histone family, member 2	Nucleus	other
1954	MRPS23	-0.861	6.211	0.09744	0.59907	mitochondrial ribosomal protein S23	Cytoplasm	other
1955	BRAGC	-0.967	5.752	0.09749	0.5991	Ras-related GTP binding C	Cytoplasm	enzyme
1956	CAMK1D	1.057	6.280	0.09761	0.59923	calcium/calmodulin-dependent protein kinase ID	Cytoplasm	kinase
1957	KIAA2026	0.595	7.584	0.09761	0.59923	KIAA2026	Other	other
1958	TNFSF11	2.432	2.793	0.09766	0.59925	tumor necrosis factor (ligand) superfamily, member 11	Extracellular Space	cytokine
1959	GON4L	0.658	7.515	0.09773	0.59935	gon-4-like (C. elegans)	Cytoplasm	other
1960	NTRK1	2.010	4.649	0.09821	0.60011	neurotrophic tyrosine kinase, receptor, type 1	Plasma Membrane	kinase
1961	NBL1	1.560	3.787	0.09813	0.60011	neuroblastoma 1, DAN family BMP antagonist	Nucleus	other
1962	PRKRIR	0.720	6.450	0.09824	0.60011	protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor)	Nucleus	other
1963	TMED10	0.670	8.509	0.09806	0.60011	transmembrane emp24-like trafficking protein 10 (yeast)	Cytoplasm	transporter
1964	G3BP1	-0.557	8.390	0.098	0.60011	GTPase activating protein (SH3 domain) binding protein 1	Nucleus	enzyme
1965	STX7	-0.869	6.765	0.09835	0.60011	syntaxin 7	Plasma Membrane	transporter
1966	NME2P1	-1.038	5.231	0.09893	0.60011	NME/NAE23 nucleoside diphosphate kinase 2 pseudogene 1	Nucleus	other
1967	FGFR10P	-1.082	5.633	0.09832	0.60011	FGFR1 oncogene partner	Cytoplasm	kinase
1968	IFT172	-1.716	4.169	0.09805	0.60011	intraflagellar transport 172	Extracellular Space	other
1969	MAGI2	-2.595	3.068	0.09792	0.60011	membrane associated guanylate kinase, WW and PDZ domain containing 2	Plasma Membrane	kinase
1970	ARL8B	-0.603	7.400	0.09846	0.60045	ADP-ribosylation factor-like 8B	Plasma Membrane	enzyme
1971	SDK2	2.224	2.666	0.09865	0.60071	sidekick cell adhesion molecule 2	Other	other
1972	RELA	0.700	7.605	0.09857	0.60071	v-rel avian reticuloendotheliosis viral oncogene homolog A	Nucleus	transcription regulator
1973	PCYT1A	-0.891	5.803	0.09863	0.60071	phosphatase cytidylyltransferase 1, choline, alpha	Cytoplasm	enzyme
1974	KLHDC3	-0.895	5.958	0.09886	0.60165	kelch domain containing 3	Cytoplasm	other
1975	HPGD	1.422	6.409	0.09906	0.60227	hydroxyprostaglandin dehydrogenase 15-(NAD)	Cytoplasm	enzyme
1976	TMF1	0.653	7.482	0.09906	0.60227	TATA element modulatory factor 1	Cytoplasm</	

1980	SLC41A3	-1.291	5.869	0.09942	0.60292	solute carrier family 41, member 3	Plasma Membrane	transporter
1981	C17orf108	-1.569	4.393	0.09947	0.60292	LYR motif containing 9	Other	other
1982	PPPSD1	-1.929	2.828	0.09939	0.60292	PPPS tetrapeptide repeat domain containing 1	Other	other
1983	MMPRIIP	0.787	6.168	0.09988	0.60423	myosin phosphatase Rho interacting protein	Cytoplasm	other
1984	FAM136A	0.721	6.742	0.09975	0.60423	family with sequence similarity 136, member A	Cytoplasm	other
1985	BOD1	-1.398	4.512	0.09979	0.60423	biorientation of chromosomes in cell division 1	Nucleus	other
1986	SPATS2L	-1.435	5.545	0.09987	0.60423	spermatogenesis associated, serine-rich 2-like	Nucleus	other
1987	NTSC	-0.957	5.521	0.09995	0.60432	5'-3'-nucleotidase, cytosolic	Cytoplasm	phosphatase
1988	IL4R	1.080	9.128	0.10004	0.60454	interleukin 4 receptor	Plasma Membrane	transmembrane receptor
1989	ZNF574	0.914	5.911	0.10015	0.60492	zinc finger protein 574	Other	other
1990	MTHFSO	1.890	4.078	0.10027	0.60532	methylene tetrahydrofolate synthetase domain containing	Other	other
1991	SH3BP5	-1.690	3.684	0.10056	0.60677	SH3-domain binding protein 5 (BTK-associated)	Cytoplasm	other
1992	MMP24	2.077	2.552	0.10068	0.60705	matrix metalloproteinase 24 (membrane-inserted)	Plasma Membrane	peptidase
1993	YME1L1	0.609	7.893	0.1007	0.60705	YME1-like 1 ATPase	Cytoplasm	peptidase
1994	NEIL1	-3.284	3.550	0.1008	0.6073	nei endonuclease VIII-like 1 (E. coli)	Nucleus	enzyme
1995	TRIP12	-0.647	8.263	0.10089	0.60758	thyroid hormone receptor interactor 12	Cytoplasm	enzyme
1996	PLCD3	2.652	2.795	0.1011	0.60762	phospholipase C, delta 3	Cytoplasm	enzyme
1997	NGAMT1	1.392	4.321	0.10103	0.60762	N-6 adenine-specific DNA methyltransferase 1 (putative)	Other	enzyme
1998	ZNF317	0.694	7.111	0.10105	0.60762	zinc finger protein 317	Nucleus	other
1999	NME7	-0.988	5.515	0.10107	0.60762	NME/NME23 family member 7	Cytoplasm	kinase
2000	CC2D2A	1.726	3.234	0.1015	0.60943	called coil and C2 domain containing 2A	Cytoplasm	other
2001	CTCFP2	-1.085	5.100	0.10145	0.60943	chaperonin containing TCP1, subunit 6 (beta) pseudogene 2	Other	other
2002	AKS	1.670	4.410	0.10178	0.60962	adenylate kinase 5	Cytoplasm	kinase
2003	TRMU	0.958	6.299	0.10171	0.60962	tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase	Cytoplasm	enzyme
2004	DPP8	-0.655	7.274	0.10179	0.60962	dipeptidyl-peptidase 8	Cytoplasm	peptidase
2005	PAPAH2	-1.032	5.317	0.10173	0.60962	platelet-activating factor acetylhydrolase 2, 40kDa	Cytoplasm	enzyme
2006	RASGRP4	-2.985	2.943	0.10164	0.60962	RAS guanyl releasing protein 4	Cytoplasm	other
2007	PDS51	1.787	3.208	0.10193	0.60966	prenyl (decaprenyl) diphosphate synthase, subunit 1	Cytoplasm	enzyme
2008	PSME2P2	-1.388	4.562	0.10186	0.60966	proteasome activator subunit 2 pseudogene 2	Other	other
2009	IL1R1	-2.606	4.028	0.10195	0.60966	interleukin 1 receptor, type I	Plasma Membrane	transmembrane receptor
2010	USP54	2.075	2.867	0.10227	0.61064	ubiquitin specific peptidase 54	Other	peptidase
2011	PCMT1	-0.594	7.423	0.10219	0.61064	protein-L-isopartate (D-aspartate) O-methyltransferase	Cytoplasm	enzyme
2012	RBMT	-0.813	6.203	0.10232	0.61064	RNA binding motif protein 7	Nucleus	other
2013	SLC30A9	-0.860	6.514	0.10226	0.61064	solute carrier family 30 (zinc transporter), member 9	Nucleus	transporter
2014	CSD1	0.525	9.482	0.10255	0.6116	cold shock domain containing E1, RNA-binding	Cytoplasm	enzyme
2015	KIAA1324L	-1.488	4.691	0.10258	0.6116	KIAA1324-like	Other	other
2016	PDE9A	2.395	3.102	0.1029	0.61319	phosphodiesterase 9A	Cytoplasm	enzyme
2017	KHNYN	-1.210	5.837	0.10302	0.61363	KH and NYN domain containing	Other	other
2018	EIF4A1	1.150	5.268	0.10341	0.61403	eukaryotic translation initiation factor 4A1	Cytoplasm	translation regulator
2019	PRMT2	-0.725	8.264	0.1035	0.61403	protein arginine methyltransferase 2	Nucleus	enzyme
2020	ABC7F	-0.731	7.059	0.10341	0.61403	ATP-binding cassette, sub-family F (GCN20), member 2	Cytoplasm	transporter
2021	GPXOW	-1.006	5.543	0.10341	0.61403	G patch domain and KOW motifs	Nucleus	other
2022	DRAM1	-1.446	4.352	0.10349	0.61403	DNA-damage regulated autophagy modulator 1	Cytoplasm	other
2023	SMARCE1P	-1.749	3.347	0.10334	0.61403	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1 pseudogene 1	Other	other
2024	OSL	-2.395	2.395	0.10337	0.61403	demonium sulfate epimerase-like	Extracellular Space	enzyme
2025	GPR	-2.821	2.887	0.10319	0.61403	gastric inhibitory polypeptide receptor	Plasma Membrane	G protein coupled receptor
2026	ATG4B	0.895	6.999	0.10367	0.61478	autophagy related 4B, cysteine peptidase	Cytoplasm	peptidase
2027	ZNF347	0.928	5.589	0.10382	0.61518	zinc finger protein 347	Nucleus	other
2028	ABHD3	-0.631	7.038	0.10386	0.61518	abhydrolase domain containing 3	Other	enzyme
2029	NDPIP1	-0.704	7.069	0.10389	0.61518	Nedd4 family interacting protein 1	Cytoplasm	other
2030	ZNF673	0.882	6.167	0.10416	0.61604	KRAB box domain containing 4	Other	other
2031	C2orf49	-0.844	6.134	0.10419	0.61604	chromosome 2 open reading frame 49	Other	other
2032	ATPGV1E2	-1.689	4.074	0.10412	0.61604	ATPase, H+ transporting, lysosomal 31kDa, V1 subunit E2	Cytoplasm	transporter
2033	PRPF40B	2.800	1.861	0.10439	0.61628	PRP40 pre-mRNA processing factor 40 homolog B (S. cerevisiae)	Nucleus	other
2034	CNOT6LP1	1.238	4.661	0.10432	0.61628	CCR4-NOT transcription complex, subunit 6-like pseudogene 1	Other	other
2035	RPF2	-1.077	5.506	0.10437	0.61628	ribosome production factor 2 homolog (S. cerevisiae)	Nucleus	other
2036	MYCBP2	-0.538	8.658	0.10445	0.61666	MHC binding protein 2, E3 ubiquitin protein ligase	Nucleus	enzyme
2037	IARS	-0.549	8.204	0.10466	0.61671	leucyl-RNA synthetase	Nucleus	enzyme
2038	DYNC1I2	-1.008	5.633	0.10472	0.61671	dynein, cytoplasmic 1, intermediate chain 2	Cytoplasm	other
2039	CHRN1	-1.306	4.604	0.10464	0.61671	cholinergic receptor, nicotinic, beta 1 (muscle)	Plasma Membrane	transmembrane receptor
2040	THAP7-AS1	-2.440	2.136	0.1047	0.61671	THAP7 antisense RNA 1	Other	other
2041	MRPS28	-3.042	1.876	0.10481	0.61692	mitochondrial ribosomal protein S28	Cytoplasm	other
2042	SPHK2	1.626	3.188	0.10512	0.61732	sphingosine kinase 2	Cytoplasm	kinase
2043	DPCD	1.441	4.165	0.10506	0.61732	deleted in primary ciliary dyskinesia homolog (mouse)	Nucleus	other
2044	TRIM52	0.963	6.009	0.10506	0.61732	tripartite motif containing 52	Other	other
2045	WDR1	-0.589	8.624	0.10507	0.61732	WD repeat domain 1	Extracellular Space	other
2046	IPK1	-0.726	6.651	0.10513	0.61732	inositol hexakisphosphate kinase 1	Cytoplasm	kinase
2047	IKO3	-0.573	7.572	0.10521	0.61751	IKO kinase 3	Other	kinase
2048	MSRB3	-1.741	5.244	0.10533	0.61792	methionine sulfoxide reductase B3	Cytoplasm	other
2049	LINC00426	2.274	2.886	0.10544	0.61822	long intergenic non-protein coding RNA 426	Other	other
2050	DCTP1P	-0.797	6.100	0.10551	0.61834	dCTP pyrophosphatase 1	Cytoplasm	enzyme
2051	CSF1	1.579	6.459	0.1056	0.61857	colony stimulating factor 1 (macrophage)	Extracellular Space	cytokine
2052	PCNXL3	-1.356	4.881	0.10567	0.6187	pecanex-like 3 (Drosophila)	Other	other
2053	MRPS30	0.781	6.519	0.10576	0.61893	mitochondrial ribosomal protein S30	Cytoplasm	enzyme
2054	EIF25P4	-1.117	4.920	0.10585	0.61912	eukaryotic translation initiation factor 2, subunit 2 beta pseudogene 4	Other	other
2055	PGAM5	-1.478	3.844	0.10609	0.61994	phosphoglycerate mutase family member 5	Cytoplasm	enzyme
2056	CTSP1	-1.507	4.022	0.10607	0.61994	chaperonin containing TCP1, subunit 5 (epsilon) pseudogene 1	Other	other
2057	RPS6KA5	0.690	7.304	0.10615	0.61998	ribosomal protein S6 kinase, 90kDa, polypeptide 5	Nucleus	kinase
2058	A2MP1	1.702	4.787	0.10622	0.62006	alpha-2-macroglobulin pseudogene 1	Other	other
2059	CNR2	-2.818	4.211	0.10669	0.62252	cannabinoid receptor 2 (macrophage)	Plasma Membrane	G-protein coupled receptor
2060	B3GALT4	-1.237	5.123	0.10678	0.62278	UDP-Gal-beta(1-4)GlcNAc-beta 1,3-galactosyltransferase, polypeptide 4	Cytoplasm	enzyme
2061	PSM1C1P1	-1.115	5.072	0.10689	0.62311	proteasome (prosome, macropain) 20S subunit, ATPase, 1 pseudogene 1	Other	other
2062	CHMP2A	-0.635	6.843	0.10709	0.62369	charged multivesicular body protein 2A	Cytoplasm	other
2063	POLR2L	-0.776	6.224	0.1071	0.62369	polymerase (RNA) II (DNA directed) polypeptide L, 7.6kDa	Nucleus	enzyme
2064	PLK1S1	0.753	6.392	0.10734	0.62387	kizuna centrosomal protein	Cytoplasm	other
2065	ZNF302	-0.829	6.864	0.10727	0.62387	zinc finger protein 302	Nucleus	other
2066	MEMO1P1	-1.400	4.237	0.10733	0.62387	mediator of cell motility 1 pseudogene 1	Other	other
2067	ZNF547	-1.721	4.339	0.1072	0.62387	zinc finger protein 547	Nucleus	other
2068	ZNF586	1.022	6.242	0.10741	0.62403	zinc finger protein 586	Other	other
2069	CD48	-0.618	7.429	0.10747	0.62407	CD48 molecule	Plasma Membrane	other
2070	SLMAP	0.701	6.752	0.1076	0.62433	sarcolemma associated protein	Plasma Membrane	other
2071	AKAP17A	0.543	8.226	0.10762	0.62433	A kinase (PKA) anchor protein 17A	Nucleus	other
2072	SDT1-AS1	1.914	2.756	0.10768	0.62436	SDT1 antisense RNA 1	Other	other
2073	GCFC1-AS1	2.109	2.821	0.10786	0.62509	PANBP1 antisense RNA 1	Other	other
2074	RFX2	0.969	5.585	0.10804	0.62554	regulatory factor X, 2 (influences HLA class II expression)	Nucleus	transcription regulator
2075	YAF2	0.906	5.692	0.10802	0.62554	YY1 associated factor 2	Nucleus	transcription regulator
2076	RFX3	1.103	5.875	0.10812	0.62573	regulatory factor X, 3 (influences HLA class II expression)	Nucleus	transcription regulator
2077	KANSL1	0.687	7.548	0.10838	0.6269	KAT8 regulatory NSL complex subunit 1	Nucleus	other
2078	TMUB2	0.743	6.538	0.10856	0.62737	transmembrane and ubiquitin-like domain containing 2	Other	other
2079	USP48	0.666	6.884	0.10853	0.62737	ubiquitin specific peptidase 48	Plasma Membrane	peptidase
2080	C11orf30	0.880	6.424	0.10887	0.62824	chromosome 11 open reading frame 30	Nucleus	other
2081	ZCCHC11	0.623	8.431	0.10878	0.62824	zinc finger, CCHC domain containing 11	Nucleus	enzyme
2082	MEN1	-0.906	5.936	0.10885	0.62824	multiple endocrine neoplasia 1	Nucleus	transcription regulator
2083	TP53INP1	0.623	7.635	0.10929	0.63034	tumor protein p53 inducible nuclear protein 1	Nucleus	other
2084	PDGFRB	1.644	4.247	0.10953	0.63142	platelet-derived growth factor beta polypeptide	Extracellular Space	growth factor
2085	IRAK4	0.683	7.147	0.10989	0.6329	interleukin-1 receptor-associated kinase 4	Cytoplasm	kinase
2086	THOC6	-1.335	5.545	0.10984	0.6329	THO complex 6	Nucleus	other
2087	SNX1	-0.549	7.847	0.11003	0.63292	sorting nexin 1	Cytoplasm	transporter
2088	COQ4	-0.706	6.533	0.11016	0.63292	coenzyme Q4	Cytoplasm	other
2089	LRI1F1	-0.729	6.549	0.11026	0.63292	ligand dependent nuclear receptor interacting factor 1	Nucleus	other
2090	LZTR1	-0.800	6.551	0.11019	0.63292	leucine-zipper-like transcription regulator 1	Cytoplasm	transcription regulator
2091	GLC1	-1.051	5.734	0.11023	0.63292	glutamate-cysteine ligase, catalytic subunit	Cytoplasm	enzyme
2092	ZNF682	-1.699	4.450	0.11019	0.63292	zinc finger protein 682	Nucleus	other
2093	RELL2	-1.987	2.693	0.11019	0.63292	REL-like 2	Extracellular Space	other
2094	FAM1188	-0.858	6.028	0.11037	0.63324	family with sequence similarity 118, member 8	Other	other
2095	NRD1	-0.524	8.624	0.11045	0.63338	nardilysin (N-arginine diolase convertase)	Cytoplasm	peptidase
2096	NOXR1	-2.793	2.380	0.11052	0.63348	NAD(P)-dependent oxidoreductase domain containing 1	Other	other
2097	ETNM2	2.051	3.270	0.11067	0.63406	ethanalamine kinase 2	Cytoplasm	kinase
2098	ATP55	-1.184	4.715	0.11087	0.6346	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit s (factor 8)	Cytoplasm	transporter
2099	TAB1	1.748	2.991	0.11117	0.63461	TGF-beta activated kinase 1/MAP3K7 binding protein 1	Cytoplasm	enzyme
2100	MAGEE1	1.705	3.684	0.11118	0.63461	melanoma antigen family E1	Plasma Membrane	other
2101	ZNF345	1.091	5.816	0.11113	0.63461	zinc finger protein 345	Nucleus	transcription regulator
2102	PNP	0.884	6.068	0.11128	0.63461	purine nucleoside phosphorylase	Nucleus	enzyme
2103	CCBL2	0.852	6.357	0.11104	0.63461	cysteine conjugate-beta lyase 2	Cytoplasm	enzyme
2104	STAT3	0.534	8.791	0.11123	0.63461	signal transducer and activator of transcription 3 (acute-phase response factor)	Nucleus	transcription regulator
2105	YIPF4	-0.624	7.206	0.11129	0.63461	Yip1 domain family, member 4	Cytoplasm	other
2106	POPF	-0.970	5.922	0.11111	0.63461	processing of precursor 7, ribonuclease P/MRP subunit (S. cerevisiae)	Nucleus	enzyme
2107	TRBV6-5	-2.825	3.461	0.11104	0.63461	T cell receptor beta variable 6-5	Other	other
2108	AGPAT4							

2112	NME1-NM	-1.987	2.956	0.11157	0.63555	NME1-NME2 readthrough	Cytoplasm	other
2113	TPM3P9	-1.437	5.254	0.11184	0.6359	tropomyosin 3 pseudogene 9	Other	other
2114	ERN1	0.598	8.854	0.1121	0.63613	endoplasmic reticulum to nucleus signaling 1	Cytoplasm	kinase
2115	PGD	-0.743	6.569	0.11214	0.63613	phosphogluconate dehydrogenase	Cytoplasm	enzyme
2116	CNIH4	-0.828	6.221	0.11212	0.63613	connexin family AMPA receptor auxiliary protein 4	Plasma Membrane	other
2117	ATPSG1	-0.921	5.998	0.11206	0.63613	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit C1 (subunit 9)	Cytoplasm	transporter
2118	ZMIZ2	-0.934	6.280	0.11205	0.63613	zinc finger, MIZ-type containing 2	Nucleus	transcription regulator
2119	SKIV2L2	-0.756	6.853	0.11229	0.63617	superficial viral-like activity 2-like 2 (S. cerevisiae)	Nucleus	other
2120	PTPLAD2	-0.940	5.999	0.11232	0.63617	3-hydroxyacyl-CoA dehydratase 4	Cytoplasm	enzyme
2121	HLA-F-AS1	-1.763	3.920	0.11225	0.63617	HLA-F antisense RNA 1	Other	other
2122	SLC25A1P1	-2.490	2.120	0.11236	0.63617	solute carrier family 25 (mitochondrial carrier; citrate transporter), member 1 pseudogene 1	Other	other
2123	NKTR	0.653	9.964	0.11267	0.63702	natural killer cell triggering receptor	Plasma Membrane	other
2124	PRPF31	-0.681	6.704	0.11258	0.63702	pre-mRNA processing factor 31	Nucleus	other
2125	GGCT	-0.983	5.447	0.11265	0.63702	gamma-glutamylcyclotransferase	Cytoplasm	enzyme
2126	MDH2	-0.533	7.675	0.11279	0.63717	malate dehydrogenase 2, NAD (mitochondrial)	Cytoplasm	enzyme
2127	DNAJC13	-0.798	6.321	0.11128	0.63717	DnaI (Hsp40) homolog, subfamily C, member 13	Cytoplasm	other
2128	DAPP1	-1.440	4.619	0.11292	0.63752	dual adaptor of phosphotyrosine and 3-phosphoinositides	Cytoplasm	other
2129	ANXA7	-0.556	8.502	0.11306	0.63799	annexin A7	Plasma Membrane	ion channel
2130	LSG1	-0.880	6.873	0.11311	0.63799	large 60S subunit nuclear export GTPase 1	Cytoplasm	enzyme
2131	ZNF618	1.924	3.801	0.11336	0.63873	zinc finger protein 618	Other	other
2132	C1orf138	1.905	2.816	0.11342	0.63873	ADAMTS1A antisense RNA 1	Other	other
2133	NAT6	1.526	4.987	0.11333	0.63873	N-acetyltransferase 6 (GCN5-related)	Cytoplasm	other
2134	NOP10	-0.686	6.592	0.11345	0.63873	NOP10 ribonucleoprotein	Nucleus	other
2135	TMBIM1	-0.544	7.628	0.11364	0.63951	transmembrane BAX inhibitor motif containing 1	Cytoplasm	other
2136	LAT	1.652	3.103	0.11418	0.63981	linker for activation of T cells	Plasma Membrane	kinase
2137	MYBL1	0.863	6.875	0.11406	0.63981	v-myb avian myeloblastosis viral oncogene homolog-like 1	Nucleus	transcription regulator
2138	C9orf72	0.733	7.027	0.11383	0.63981	chromosome 9 open reading frame 72	Cytoplasm	other
2139	PLEC	-0.580	7.871	0.11404	0.63981	plectin	Cytoplasm	other
2140	MRPL11	-0.954	5.348	0.11407	0.63981	mitochondrial ribosomal protein L11	Cytoplasm	other
2141	IDNK	-1.276	4.957	0.11392	0.63981	idnK, gluconokinase homolog (E. coli)	Cytoplasm	other
2142	HOMER2	-1.434	3.912	0.11402	0.63981	homeobox and leucine zipper encoding	Nucleus	transcription regulator
2143	C10	-1.474	4.091	0.11339	0.63981	C10 nuclear receptor corepressor	Nucleus	transcription regulator
2144	TRIM16L	-2.757	3.220	0.11415	0.63981	tripartite motif containing 16-like	Other	other
2145	BTBD18	-2.229	4.154	0.11437	0.64006	BTB (POZ) domain containing 18	Other	other
2146	TNFRSF11A	1.509	7.316	0.11446	0.64081	tumor necrosis factor receptor superfamily, member 11a, TNF receptor	Plasma Membrane	transmembrane receptor
2147	LEO1	-0.759	6.747	0.11453	0.64083	Leo1, Pol31/RNA polymerase II complex component, homolog (S. cerevisiae)	Nucleus	other
2148	LPAT2	-1.889	4.968	0.11457	0.64083	lysophosphatidylcholine acyltransferase 2	Cytoplasm	enzyme
2149	UFSP2	0.806	6.426	0.11476	0.64125	UFMT-specific peptidase 2	Other	enzyme
2150	SNRPD3	-0.615	6.984	0.11481	0.64125	small nuclear ribonucleoprotein D3 polypeptide 180a	Nucleus	other
2151	FN1	-1.739	3.758	0.11475	0.64125	fibronectin 1	Extracellular Space	enzyme
2152	RPL21	1.105	5.014	0.11502	0.64214	ribosomal protein L21	Cytoplasm	other
2153	REXO2	-0.684	6.468	0.11541	0.64374	RNA exonuclease 2	Cytoplasm	enzyme
2154	PURA	-0.770	6.979	0.11539	0.64374	purine-rich element binding protein A	Nucleus	transcription regulator
2155	PSMB10	-0.983	5.831	0.11552	0.64404	proteasome (prosome, macropain) subunit, beta type, 10	Cytoplasm	peptidase
2156	EIF2C3	0.660	7.529	0.11558	0.64406	epsilon200 RSK catalytic component 3	Cytoplasm	translation regulator
2157	CVLB-AS2	2.884	1.898	0.11573	0.64433	CVLB antisense RNA 2	Other	other
2158	ZP1	1.637	4.818	0.11569	0.64433	zona pellucida glycoprotein 1 (sperm receptor)	Extracellular Space	other
2159	EXOC6B	1.268	4.518	0.11641	0.64448	exocyst complex component 6B	Other	other
2160	RG51	1.167	9.918	0.11601	0.64448	regulator of G-protein signaling 1	Plasma Membrane	other
2161	USP32	1.090	5.444	0.11596	0.64448	ubiquitin specific peptidase 32	Cytoplasm	other
2162	ADNP2	0.920	5.839	0.1162	0.64448	ADNP homeobox 2	Other	other
2163	RILPL2	0.881	5.568	0.11629	0.64448	Rab interacting lysosomal protein-like 2	Cytoplasm	other
2164	WDR54	0.838	6.178	0.11613	0.64448	WD repeat domain 54	Other	other
2165	DCUN1D1	0.724	6.855	0.11647	0.64448	DCN1, defective in cullin neddylation 1, domain containing 1	Nucleus	other
2166	DIAPH1	0.609	7.376	0.11623	0.64448	diaphanous-related formin 1	Plasma Membrane	other
2167	GOLGB1	0.512	9.080	0.11619	0.64448	golgin 11	Cytoplasm	other
2168	FTL	-0.510	9.409	0.11649	0.64448	ferritin, light polypeptide	Cytoplasm	enzyme
2169	AHDH13	-0.757	6.546	0.11651	0.64448	AHDH13 domain containing 13	Other	peptidase
2170	SLC9A8	-0.864	5.730	0.11632	0.64448	solute carrier family 9, subfamily A (NHE8, cation proton antiporter 8), member 8	Cytoplasm	transporter
2171	CISD1	-1.424	4.729	0.11593	0.64448	CDGSH iron sulfur domain 1	Cytoplasm	other
2172	CYP1B1	-2.495	3.839	0.11615	0.64448	cytochrome P450, family 1, subfamily B, polypeptide 1	Cytoplasm	enzyme
2173	GNM8	2.826	3.131	0.11664	0.64467	glycoprotein (transmembrane) nmb	Plasma Membrane	enzyme
2174	TYW1	0.946	5.617	0.11665	0.64467	tRNA-yW synthesizing protein 1 homolog (S. cerevisiae)	Other	other
2175	DDX60L	0.578	7.336	0.11677	0.64498	DEAD (Asp-Glu-Ala-Asp) box polypeptide 60-like	Other	other
2176	ARL6IP1	-0.532	7.901	0.11692	0.64498	ADP-ribosylation factor-like 6 interacting protein 1	Cytoplasm	other
2177	NOL8	-0.584	7.724	0.11691	0.64498	nucleolar protein 8	Nucleus	other
2178	LYN	-1.547	4.428	0.11689	0.64498	LYN proto-oncogene, Src family tyrosine kinase	Cytoplasm	kinase
2179	CDC65	1.981	2.549	0.11714	0.64558	coiled-coil domain containing 65	Other	other
2180	TMSB10	-0.573	7.664	0.11712	0.64558	thymosin beta 10	Cytoplasm	other
2181	SKL	0.503	9.064	0.1172	0.64562	SK-like proto-oncogene	Nucleus	transcription regulator
2182	ATP8A1	1.116	7.256	0.11752	0.64575	ATPase, aminophospholipid transporter (APL1), class I, type 8A, member 1	Cytoplasm	transporter
2183	METRN1	1.071	5.087	0.11739	0.64575	metronin, glial cell differentiation regulator-like	Cytoplasm	other
2184	ARID5B	0.599	7.427	0.11753	0.64575	AT rich interactive domain 5B (MR1-like)	Nucleus	transcription regulator
2185	ANKRD44	0.533	8.551	0.11743	0.64575	ankyrin repeat domain 44	Other	other
2186	PARP6	-0.605	7.292	0.11755	0.64575	poly (ADP-ribose) polymerase family, member 6	Other	other
2187	FAM213A	-1.756	3.623	0.11729	0.64575	family with sequence similarity 213, member A	Extracellular Space	other
2188	FAM176A	1.597	4.364	0.11766	0.64602	eva-1 homolog A (C. elegans)	Plasma Membrane	other
2189	CCNT1	0.619	7.022	0.11776	0.64602	cyclin T1	Nucleus	transcription regulator
2190	MDM2	-1.158	6.347	0.11773	0.64602	MDM2 proto-oncogene, E3 ubiquitin protein ligase	Nucleus	transcription regulator
2191	SPPL2A	-0.557	7.262	0.11791	0.64654	signal peptide peptidase like 2A	Plasma Membrane	peptidase
2192	SAMD8	0.685	6.562	0.11806	0.64711	sterile alpha motif domain containing 8	Cytoplasm	other
2193	MBD4	-0.746	7.066	0.11819	0.64751	methyl-CpG binding domain protein 4	Nucleus	enzyme
2194	PHLDA2	2.238	2.174	0.11824	0.64752	pleckstrin homology-like domain, family A, member 2	Cytoplasm	other
2195	RAB6B	2.563	2.480	0.11832	0.64762	RAB6B, member RAS oncogene family	Cytoplasm	enzyme
2196	HLA-DMA	1.070	5.679	0.11855	0.64774	major histocompatibility complex, class II, DM alpha	Plasma Membrane	transmembrane receptor
2197	UBE2H	0.589	7.454	0.11885	0.64774	ubiquitin-conjugating enzyme E2H	Other	enzyme
2198	ESO	-0.575	7.150	0.11856	0.64774	esterase D	Cytoplasm	enzyme
2199	SERBP1	-0.628	7.117	0.11878	0.64774	SERPINE1 mRNA binding protein 1	Cytoplasm	other
2200	NINJ1	-0.640	7.764	0.11874	0.64774	ninjurin 1	Plasma Membrane	other
2201	PIGK	-0.724	6.294	0.11855	0.64774	phosphatidylinositol glycan anchor biosynthesis, class X	Cytoplasm	other
2202	TCP1P1	-1.016	5.213	0.11881	0.64774	t-complex 1 pseudogene 1	Other	other
2203	SUSD3	-1.091	5.078	0.11878	0.64774	sushi domain containing 3	Other	other
2204	HIST3H2A	-1.833	2.955	0.11888	0.64774	histone cluster 3, H2a	Nucleus	other
2205	CNNA2	-2.776	2.633	0.11852	0.64774	cyclin A2	Nucleus	other
2206	SKP2	1.303	4.732	0.11894	0.64778	S phase kinase-associated protein 2, E3 ubiquitin protein ligase	Nucleus	other
2207	KLHL32	3.222	2.360	0.11922	0.6478	kelch-like family member 32	Other	other
2208	SLC25A25	1.819	3.368	0.1193	0.6478	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 25	Cytoplasm	transporter
2209	ZNF473	0.922	5.899	0.11922	0.6478	zinc finger protein 473	Nucleus	other
2210	SNW1	-0.541	7.527	0.1193	0.6478	SNW domain containing 1	Nucleus	transcription regulator
2211	COA3	-0.937	5.878	0.11932	0.6478	cytochrome c oxidase assembly factor 3	Cytoplasm	other
2212	ZNF124	-1.309	5.209	0.11925	0.6478	zinc finger protein 124	Nucleus	other
2213	IPPK	-2.161	3.115	0.11904	0.6478	inositol 1,3,4,5,6-pentakisphosphate 2-kinase	Cytoplasm	kinase
2214	ORMDL3	-1.810	3.873	0.11939	0.64786	ORMDL sphingolipid biosynthesis regulator 3	Cytoplasm	other
2215	HSX2D	0.900	6.052	0.1196	0.64815	hematopoietic SH2 domain containing	Cytoplasm	other
2216	LMO7	-1.378	5.043	0.1196	0.64815	LMO domain 7	Cytoplasm	enzyme
2217	TMC4M38A	-2.218	3.219	0.11958	0.64815	transmembrane protein 38A	Cytoplasm	ion channel
2218	MRPL20	-0.785	6.137	0.11975	0.64865	mitochondrial ribosomal protein L20	Cytoplasm	other
2219	HSPBP1	-1.079	5.152	0.11993	0.64878	HSPA (heat shock 70kDa) binding protein, cytoplasmic co-chaperone 1	Cytoplasm	other
2220	ADRB2	-2.513	4.560	0.11993	0.64878	adrenoreceptor beta 2, surface	Plasma Membrane	G-protein coupled receptor
2221	CHN1	-2.958	3.179	0.11986	0.64878	chimerin 1	Cytoplasm	other
2222	CDC7	1.405	5.013	0.12001	0.6489	cell division cycle 7	Nucleus	kinase
2223	HP1BP3	0.507	8.542	0.12006	0.6489	heterochromatin protein 1, binding protein 3	Nucleus	other
2224	C1orf233	2.344	2.359	0.12023	0.64918	chromosome 1 open reading frame 233	Other	other
2225	COQ2	1.226	5.251	0.12071	0.64918	coenzyme Q2 4-hydroxybenzoate polyprenyltransferase	Cytoplasm	enzyme
2226	PHF6	1.014	5.739	0.12061	0.64918	PHD finger protein 6	Nucleus	other
2227	CITN1B1	-0.541	8.050	0.12055	0.64918	catenin (cadherin-associated protein), beta 1, 88kDa	Nucleus	transcription regulator
2228	SNX4	-0.778	6.192	0.12068	0.64918	sorting nexin 4	Cytoplasm	transporter
2229	ZDHHC12	-0.779	6.166	0.12041	0.64918	zinc finger, DHHC-type containing 12	Cytoplasm	enzyme
2230	PKICB	0.921	5.706	0.12047	0.64918	phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit beta	Cytoplasm	kinase
2231	CD3E	-1.324	6.532	0.12058	0.64918	CD3e molecule, epsilon (CD3-TCR complex)	Plasma Membrane	transmembrane receptor
2232	ENO3	-1.567	4.379	0.12041	0.64918	enolase 3 (beta, muscle)	Cytoplasm	enzyme
2233	RPL7P22	-2.667	2.099	0.1206	0.64918	ribosomal protein L7 pseudogene 22	Other	other
2234	SLITRK4	-3.015	2.277	0.12066	0.64918	SLIT and NTRK-like family, member 4	Extracellular Space	other
2235	PAPLN	2.121	2.712	0.12078	0.64925	papilin, proteoglycan-like sulfated glycoprotein	Extracellular Space	other
2236	SAP30L	-1.030	5.683	0.121	0.65012	SAP30-like	Nucleus	other
2237	CYB561	-1.094	5.607	0.12105	0.65012	cytochrome b561	Cytoplasm	enzyme
2238	TMED1	1.737	3.143	0.12119	0.6506	transmembrane emp24 protein transport domain containing 1	Extracellular Space	transporter
2239	KIAA1549	1.848	3.581	0.12143	0.6516	KIAA1549	Other	other
2240	TNF	-2.279	3.406	0.12153				

2244	MSH2	0.895	6.214	0.12195	0.65217	mutS homolog 2	Nucleus	enzyme
2245	PMPEA1	-0.802	6.416	0.12208	0.65217	prostate transmembrane protein, androgen induced 1	Plasma Membrane	other
2246	TCEB1	-0.895	5.563	0.12203	0.65217	transcription elongation factor B (SII), polypeptide 1 (15kDa, elongin C)	Nucleus	transcription regulator
2247	TLK2	-0.903	5.509	0.12187	0.65217	toxoid-like kinase 2	Cytoplasm	kinase
2248	WDR18	-1.026	5.817	0.12204	0.65217	WD repeat domain 18	Nucleus	other
2249	WIZ	-1.527	4.234	0.12205	0.65217	widely interspaced zinc finger motifs	Nucleus	other
2250	RAI14	-2.211	2.973	0.12215	0.65229	retinoic acid induced 14	Nucleus	transcription regulator
2251	POMC	2.065	2.689	0.12249	0.65264	proopiomelanocortin	Extracellular Space	other
2252	Csor25	1.518	4.344	0.12364	0.65264	SUMO-interacting motifs containing 1	Other	other
2253	USP5	1.370	4.829	0.12334	0.65264	ubiquitin specific peptidase 5 (isopeptidase T)	Cytoplasm	peptidase
2254	KDM5C	1.363	4.935	0.12295	0.65264	lysine (K)-specific demethylase 5C	Nucleus	other
2255	SNX29	1.323	4.717	0.12354	0.65264	sorting nexin 29	Cytoplasm	other
2256	STK11	1.003	5.733	0.12355	0.65264	serine/threonine kinase 11	Cytoplasm	kinase
2257	CYTH4	0.914	6.497	0.12387	0.65264	cytohesin 4	Cytoplasm	other
2258	EIF2D	0.812	6.654	0.12328	0.65264	eukaryotic translation initiation factor 2D	Cytoplasm	transporter
2259	INTS8	0.701	6.684	0.12245	0.65264	integrator complex subunit 8	Nucleus	other
2260	ATP2B1	0.640	7.770	0.12283	0.65264	ATPase, Ca++ transporting, plasma membrane 1	Plasma Membrane	transporter
2261	ZFP36L1	0.607	7.228	0.12319	0.65264	ZFP36 ring finger protein-like 1	Nucleus	transcription regulator
2262	ZNF397	0.587	7.265	0.12391	0.65264	zinc finger protein 397	Nucleus	transcription regulator
2263	BTG1	0.532	9.395	0.12396	0.65264	B-cell translocation gene 1, anti-proliferative	Nucleus	transcription regulator
2264	HSPA9	-0.511	10.086	0.12299	0.65264	heat shock 70kDa protein 9	Cytoplasm	enzyme
2265	MEPR	-0.557	7.844	0.12314	0.65264	mannose-6-phosphate receptor (cation dependent)	Cytoplasm	transporter
2266	MGAT5	-0.622	6.836	0.12255	0.65264	mannosyl (alpha-1,6)-glycoprotein beta-1,6-N-acetyl-glucosaminyltransferase	Cytoplasm	enzyme
2267	AAAS	-0.623	6.760	0.12345	0.65264	achalasia, adrenocortical insufficiency, alacrimia	Nucleus	other
2268	NABP1	-0.637	6.741	0.12389	0.65264	NEDD4 binding protein 1	Cytoplasm	other
2269	NCPB1	-0.664	7.200	0.12237	0.65264	nuclear cap binding protein subunit 1, 80kDa	Nucleus	other
2270	USE1	-0.799	6.049	0.12251	0.65264	unconventional SNARE in the ER 1 homolog (S. cerevisiae)	Cytoplasm	other
2271	SLC15A4	-0.914	5.611	0.12373	0.65264	solute carrier family 15 (oligopeptide transporter), member 4	Cytoplasm	transporter
2272	LRRCS7	-0.993	5.337	0.12236	0.65264	leucine rich repeat containing 57	Cytoplasm	other
2273	DHX33	-1.004	5.357	0.12277	0.65264	DEAH (Asp-Glu-Ala-His) box polypeptide 33	Nucleus	enzyme
2274	CTAGE5	-1.045	5.033	0.12353	0.65264	CTAGE family, member 5	Other	enzyme
2275	HEATR6	-1.051	5.447	0.12317	0.65264	HEAT repeat containing 6	Other	other
2276	LSM1	-1.076	4.898	0.12317	0.65264	LSM1, US small nuclear RNA associated	Nucleus	other
2277	PDZDB	-1.278	5.105	0.12377	0.65264	PDZ domain containing 8	Extracellular Space	other
2278	MMTP1	-1.389	3.882	0.12375	0.65264	inner membrane protein, mitochondrial (mitofilin) pseudogene 1	Other	other
2279	SCPEP1	-1.410	5.610	0.12334	0.65264	serine carboxypeptidase 1	Cytoplasm	peptidase
2280	ZBED3	-1.478	3.910	0.12301	0.65264	zinc finger, BED-type containing 3	Cytoplasm	other
2281	RNF135	-1.624	5.030	0.12386	0.65264	ring finger protein 135	Cytoplasm	enzyme
2282	SLC16A13	-1.895	3.932	0.12317	0.65264	solute carrier family 16, member 13	Cytoplasm	other
2283	PEPD	-0.898	6.320	0.12402	0.65268	peptidase D	Cytoplasm	peptidase
2284	IDUA	1.719	3.470	0.12455	0.65386	iduronidase, alpha-L	Cytoplasm	enzyme
2285	SORBS3	1.452	4.116	0.12443	0.65386	sorbin and SH3 domain containing 3	Cytoplasm	other
2286	RECQL	-0.680	7.438	0.12457	0.65386	RecQ helicase-like	Nucleus	enzyme
2287	FSME3	-0.806	6.949	0.12446	0.65386	proteasome (prosome, macropain) activator subunit 3 (PA28 gamma, Ki)	Cytoplasm	peptidase
2288	CYBSA	-0.977	5.342	0.12454	0.65386	cytochrome b5 type A (microsomal)	Cytoplasm	enzyme
2289	VWHAQ	-1.312	4.402	0.12437	0.65386	lysine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma	Cytoplasm	other
2290	PLCB3	-1.610	2.973	0.12463	0.65387	phospholipase C, beta 3 (phosphatidylinositol-specific)	Cytoplasm	enzyme
2291	CRCP	1.233	4.440	0.12449	0.65445	CGRP receptor component	Plasma Membrane	transmembrane receptor
2292	TRIM66	1.098	5.668	0.12481	0.65445	tripartite motif containing 66	Nucleus	transcription regulator
2293	CYCS	-0.670	6.547	0.12488	0.65445	cytochrome c, somatic	Cytoplasm	transporter
2294	DYNC1L12	-0.813	6.737	0.12497	0.65454	dynein, cytoplasmic 1, light intermediate chain 2	Cytoplasm	other
2295	TNNT3	2.094	2.592	0.12529	0.65577	troponin T type 3 (skeletal, fast)	Cytoplasm	other
2296	POU6F1	1.931	4.486	0.1254	0.65577	POU class 6 homeobox 1	Nucleus	transcription regulator
2297	EARS2	1.117	4.882	0.12543	0.65577	glutamyl-tRNA synthetase 2, mitochondrial	Cytoplasm	enzyme
2298	LPA6R	-0.889	7.230	0.1254	0.65577	lysophosphatidic acid receptor 6	Plasma Membrane	G-protein coupled receptor
2299	EPAS1	2.503	2.447	0.12602	0.65766	endothelial PAS domain protein 1	Nucleus	transcription regulator
2300	WFS1	2.445	3.793	0.12584	0.65766	Wolfram syndrome 1 (wolframin)	Cytoplasm	enzyme
2301	SCOC	-0.694	6.487	0.12599	0.65766	short coiled-coil protein	Nucleus	other
2302	MOC53	-1.618	4.337	0.12605	0.65766	molybdenum cofactor synthesis 3	Cytoplasm	enzyme
2303	FCRL3	-2.861	4.223	0.126	0.65766	Fc receptor-like 3	Plasma Membrane	other
2304	IQSEC1	0.818	5.829	0.12613	0.65774	IQ motif and Sec7 domain 1	Cytoplasm	other
2305	AGP5	-0.880	6.045	0.12643	0.65902	alkylglycerone phosphate synthase	Cytoplasm	enzyme
2306	RIC3	-1.688	4.773	0.12661	0.65969	RIC3 acetylcholine receptor chaperone	Cytoplasm	other
2307	TMEM194A	-0.839	6.462	0.12673	0.66	transmembrane protein 194A	Other	other
2308	CEP72	1.943	3.699	0.12721	0.66169	centrosomal protein 72kDa	Cytoplasm	other
2309	MAN2C1	-1.208	5.156	0.12715	0.66169	mannosidase, alpha, class 2C, member 1	Cytoplasm	enzyme
2310	C1orf198	-1.332	4.836	0.12722	0.66169	chromosome 1 open reading frame 198	Cytoplasm	other
2311	USP30-AS1	-1.800	3.027	0.12728	0.66171	USP30 antisense RNA 1	Other	other
2312	CDS8	0.570	7.555	0.12739	0.66199	CDS8 molecule	Plasma Membrane	transmembrane receptor
2313	BRMS1	-0.523	7.595	0.12744	0.66199	breast cancer metastasis suppressor 1	Nucleus	other
2314	ZNF443	-1.356	4.490	0.12763	0.66269	zinc finger protein 443	Nucleus	transcription regulator
2315	WDR59	0.890	6.563	0.12787	0.66363	WD repeat domain 59	Other	transporter
2316	GRPEL1	-0.936	6.565	0.12793	0.66366	GripE-like 1, mitochondrial (E. coli)	Cytoplasm	other
2317	ATG9B	2.160	3.389	0.128	0.66373	autophagy related 9B	Cytoplasm	other
2318	ELP6	-0.846	5.748	0.12807	0.66381	elongator acetyltransferase complex subunit 6	Other	other
2319	KIAA0100	-0.820	6.260	0.12832	0.66455	KIAA0100	Extracellular Space	other
2320	CPSF4	-0.983	5.364	0.12829	0.66455	cleavage and polyadenylation specific factor 4, 30kDa	Nucleus	other
2321	PEXSL	2.356	2.691	0.12875	0.66572	peroxisomal biogenesis factor 5-like	Cytoplasm	ion channel
2322	PPP1R15B	0.858	7.494	0.12874	0.66572	protein phosphatase 1, regulatory subunit 15B	Cytoplasm	phosphatase
2323	SLC2A1	-1.089	4.771	0.12877	0.66572	solute carrier family 2 (facilitated glucose transporter), member 1	Plasma Membrane	transporter
2324	DNAAUC3-AS	-1.665	3.923	0.12873	0.66572	DNAAUC3 antisense RNA 1 (head to head)	Other	other
2325	OSTCP8	2.211	2.658	0.12913	0.66575	oligosacetyltransferase complex subunit pseudogene 8	Other	other
2326	MYH10	1.397	4.257	0.129	0.66575	myosin, heavy chain 10, non-muscle	Cytoplasm	other
2327	COG1	0.780	6.226	0.12922	0.66575	component of oligomeric golgi complex 1	Cytoplasm	transporter
2328	LETMD1	0.594	7.096	0.12896	0.66575	LETMD1 domain containing 1	Plasma Membrane	other
2329	HNRNPD	0.505	8.356	0.1291	0.66575	heterogeneous nuclear ribonucleoprotein D (AU-rich element RNA binding protein 1, 37kDa)	Nucleus	transcription regulator
2330	CTSS	-0.754	6.676	0.12908	0.66575	cathepsin S	Cytoplasm	peptidase
2331	ADO	-1.284	5.064	0.12893	0.66575	2-aminoethanol (cysteamine) dioxygenase	Cytoplasm	other
2332	ZNF619	-1.375	4.285	0.12917	0.66575	zinc finger protein 619	Other	other
2333	BRD7P3	1.252	4.562	0.12929	0.66583	bromodomain containing 7 pseudogene 3	Other	other
2334	ZNF630	2.106	3.959	0.12946	0.66631	zinc finger protein 630	Other	other
2335	TRABD2A	0.936	6.127	0.12949	0.66631	TraB domain containing 2A	Plasma Membrane	peptidase
2336	GNL3	-0.579	7.742	0.1297	0.66662	guanine nucleotide binding protein-like 3 (nucleolar)	Nucleus	other
2337	DPH3	-0.769	6.763	0.12972	0.66662	diphthamide biosynthesis 3	Cytoplasm	other
2338	NSMCE2	-0.806	5.951	0.12965	0.66662	non-SMC element 2, MM521 homolog (S. cerevisiae)	Nucleus	enzyme
2339	AMMECR1	0.825	5.618	0.13017	0.66781	AMMECR1-like	Other	other
2340	SHKBP1	-0.562	7.286	0.13009	0.66781	SH3KBP1 binding protein 1	Other	other
2341	GTDC2	-2.171	4.018	0.13014	0.66781	protein O-linked mannose N-acetylglucosaminyltransferase 2 (beta 1,4-)	Cytoplasm	enzyme
2342	CYP24A1	-2.530	2.550	0.1301	0.66781	cytochrome P450, family 24, subfamily A, polypeptide 1	Cytoplasm	enzyme
2343	SLC35E1	0.629	6.949	0.1305	0.66912	solute carrier family 35, member E1	Other	other
2344	FHP1	-2.089	2.479	0.13054	0.66912	formate hydratase pseudogene 1	Other	other
2345	ZNF264	-0.730	6.239	0.13074	0.66988	zinc finger protein 264	Nucleus	other
2346	ARMC7	1.737	3.438	0.13096	0.67042	armadillo repeat containing 7	Cytoplasm	other
2347	GPR180	-1.418	4.727	0.13093	0.67042	G-protein-coupled receptor 180	Cytoplasm	other
2348	THAP3	-0.833	5.731	0.13117	0.6712	THAP domain containing, apoptosis associated protein 3	Other	other
2349	NTSCAL	-0.855	6.201	0.13145	0.67236	5'-nucleotidase, cytosolic IIIb	Other	phosphatase
2350	ZNF761	-0.622	7.161	0.13118	0.67287	zinc finger protein 761	Other	other
2351	EPHX1	1.807	3.230	0.13218	0.67435	epoxide hydrolase 1, microsomal (xenobiotic)	Cytoplasm	peptidase
2352	CAST	0.516	8.190	0.13215	0.67435	calpastatin	Cytoplasm	peptidase
2353	MORC3	-0.557	7.951	0.13223	0.67435	MORC family CW-type zinc finger 3	Nucleus	other
2354	EXOC8	-0.848	5.845	0.13215	0.67435	exocyst complex component 8	Plasma Membrane	other
2355	RSBN1L-AS	-1.325	4.138	0.1322	0.67435	Alu-mediated CDKN1A/p21 transcriptional regulator (non-protein coding)	Other	other
2356	O3-mars	-1.859	4.486	0.13222	0.67435			
2357	NDUFAB1	-0.705	6.249	0.13233	0.67454	NADH dehydrogenase (ubiquinone) 1, alpha/beta subcomplex 1, 8kDa	Cytoplasm	enzyme
2358	ZNF643	1.951	3.755	0.13273	0.67518	ZFP69 zinc finger protein 8	Nucleus	other
2359	WHAMM	0.764	6.062	0.13273	0.67518	WAS protein homolog associated with actin, golgi membranes and microtubules	Cytoplasm	other
2360	BIRC6	0.555	9.035	0.13259	0.67518	baculoviral IAP repeat containing 6	Cytoplasm	enzyme
2361	MRPS18C	-0.893	5.440	0.13265	0.67518	mitochondrial ribosomal protein S18C	Cytoplasm	other
2362	FUOIA	-1.723	3.432	0.1327	0.67518	fructose mutarotase	Other	enzyme
2363	PLB1	2.356	2.051	0.13332	0.67568	phospholipase B1	Cytoplasm	enzyme
2364	SSX2IP	1.454	4.416	0.13327	0.67568	synovial sarcoma, X breakpoint 2 interacting protein	Plasma Membrane	other
2365	H1FX	0.957	5.577	0.13329	0.67568	H1 histone family, member X	Nucleus	other
2366	NAP1L4	-0.501	7.862	0.13325	0.67568	nucleosome assembly protein 1-like 4	Cytoplasm	other
2367	C11orf54	-0.735	6.067	0.13319	0.67568	chromosome 11 open reading frame 54	Nucleus	enzyme
2368	C6orf47	-0.899	5.451	0.13331	0.67568	chromosome 6 open reading frame 47	Cytoplasm	other
2369	ZNF582-AS	-1.312	4.236	0.13317	0.67568	ZNF582 antisense RNA 1 (head to head)	Other	other
2370	DPP3	-2.107	3.803	0.13316	0.67568	dipeptidyl-peptidase 3	Cytoplasm	peptidase
2371	HYAL2	-2.273	3.661	0.13334	0.67568	hyaluronoglucosaminidase 2	Cytoplasm	enzyme
2372	TMEM43	-0.539	8.280	0.13342	0.67581	transmembrane protein 43	Nucleus	

2376	FASTKD3	1,058	5,298	0.13405	0.67708	FAST kinase domains 3	Cytoplasm	other
2377	FAM102B	0.960	6,276	0.13395	0.67708	family with sequence similarity 102, member 8	Other	other
2378	TBC1D25	-0.922	5,663	0.13393	0.67708	TBC1 domain family, member 25	Other	other
2379	SNX10	-1,242	6,315	0.13396	0.67708	sorting nexin 10	Cytoplasm	transporter
2380	PLEKH2	2,157	2,375	0.13447	0.67711	pleckstrin homology domain containing, family H (with MyTH4 domain) member 2	Cytoplasm	other
2381	NR4A3	1,836	4,320	0.13446	0.67711	nuclear receptor subfamily 4, group A, member 3	Nucleus	ligand-dependent nuclear receptor
2382	C7orf26	1,058	5,030	0.13443	0.67711	chromosome 7 open reading frame 26	Nucleus	other
2383	PAG1	0.664	9,153	0.13429	0.67711	phosphoprotein membrane anchor with glycosphingolipid modifications 1	Plasma Membrane	other
2384	KUVDZOH1	-0.585	7,564	0.13439	0.67711	suppressor of variegation 4-20 homolog 1 (Drosophila)	Nucleus	enzyme
2385	PIIE	-0.618	6,612	0.13452	0.67711	peptidylprolyl isomerase F (cyclophilin E)	Nucleus	enzyme
2386	ACOX1	-0.926	5,673	0.13419	0.67711	acyl-CoA oxidase 1, palmitoyl	Cytoplasm	enzyme
2387	LAGE3	-0.997	5,172	0.13417	0.67711	L antigen family, member 3	Other	other
2388	NDUFS4	-0.985	5,224	0.13466	0.67754	NADH dehydrogenase (ubiquinone) Fe-S protein 4, 18kDa (NADH-coenzyme Q reductase)	Cytoplasm	enzyme
2389	CREG1	1,034	5,159	0.13476	0.67767	cellular repressor of E1A-stimulated genes 1	Nucleus	transcription regulator
2390	XRC4	-1,467	4,435	0.1348	0.67767	X-ray repair complementing defective repair in Chinese hamster cells 4	Nucleus	other
2391	LEAP2	-1,704	3,945	0.13489	0.67785	liver expressed antimicrobial peptide 2	Extracellular Space	other
2392	LGALS1	3,007	2,241	0.13495	0.67787	lectin, galactoside-binding-like	Other	other
2393	MSANTD2	1,059	5,224	0.13512	0.67842	Myb/SANT-like DNA-binding domain containing 2	Other	other
2394	FTSJD1	-0.721	6,630	0.13518	0.67843	cap methyltransferase 2	Other	enzyme
2395	NUP2	0.740	6,376	0.13536	0.67908	nucleoporin-like 2	Nucleus	transporter
2396	ZDHHC18	1,019	5,284	0.13558	0.68046	zinc finger, DHHC-type containing 18	Cytoplasm	enzyme
2397	HDDC2	-0.813	5,804	0.13579	0.68046	HD domain containing 2	Cytoplasm	other
2398	BAG3	-1,665	4,122	0.13581	0.68046	BCL2-associated atlastin 3	Cytoplasm	other
2399	GPBP111	-0.540	7,642	0.13588	0.68047	GC-rich promoter binding protein 1-like 1	Other	other
2400	NPL	-1,739	3,385	0.13592	0.68047	N-acetylnearminate pyruvate lyase (dihydrodipicolinate synthase)	Cytoplasm	enzyme
2401	TMEM245	-0.856	7,388	0.13604	0.68076	transmembrane protein 245	Other	other
2402	JMID8	-1,195	4,582	0.13633	0.68164	jumonji domain containing 8	Cytoplasm	other
2403	SRGAP1	-1,383	4,045	0.13632	0.68164	SLIT-ROBO Rho GTPase activating protein 1	Cytoplasm	other
2404	ZNF338	-0.667	7,198	0.13652	0.68208	zinc finger protein 338	Nucleus	transcription regulator
2405	GIT1	-0.886	5,646	0.13653	0.68208	G protein-coupled receptor kinase interacting ArfGAP 1	Nucleus	kinase
2406	VIMP	-0.659	7,477	0.13672	0.68277	VCP-interacting membrane protein	Cytoplasm	other
2407	ELL2P1	2,886	1,794	0.13768	0.68297	elongation factor, RNA polymerase II, 2 pseudogene 1	Other	other
2408	WASF1	2,806	2,294	0.13707	0.68297	WAS protein family, member 1	Nucleus	other
2409	RASGEF1A	1,947	3,305	0.13778	0.68297	RasGEF domain family, member 1A	Other	other
2410	CNCE2	1,890	2,718	0.13786	0.68297	cyclin E2	Nucleus	other
2411	FANCD2	1,305	4,735	0.13706	0.68297	Fanconi anemia, complementation group D2	Nucleus	other
2412	ZYG11B	0.868	5,903	0.13736	0.68297	zyg-11 family member B, cell cycle regulator	Other	other
2413	TMEM214	0.856	6,680	0.13762	0.68297	transmembrane protein 214	Extracellular Space	other
2414	HGSNAT	0.832	6,461	0.13726	0.68297	heparan-alpha-glucosaminide N-acetyltransferase	Cytoplasm	enzyme
2415	ZNF639	0.787	5,967	0.13703	0.68297	zinc finger protein 639	Nucleus	transcription regulator
2416	TMEM134	0.745	5,931	0.13794	0.68297	transmembrane protein 134	Other	kinase
2417	LCP2	0.626	8,994	0.13757	0.68297	lymphocyte cytosolic protein 2 (SH2 domain containing leukocyte protein of 76kDa)	Cytoplasm	other
2418	CREBBP	0.556	7,762	0.13764	0.68297	CREB binding protein	Nucleus	transcription regulator
2419	WAPAL	0.545	7,601	0.13761	0.68297	wings apart-like homolog (Drosophila)	Nucleus	other
2420	ANNAK	0.538	7,499	0.13749	0.68297	ANNAK nucleoprotein	Nucleus	other
2421	SMAD3	-0.585	7,576	0.13739	0.68297	SMAD family member 3	Nucleus	transcription regulator
2422	WDR13	-0.645	6,598	0.13798	0.68297	WD repeat domain 13	Nucleus	other
2423	GOT2	-0.708	6,710	0.13725	0.68297	glutamic-oxaloacetic transaminase 2, mitochondrial	Cytoplasm	enzyme
2424	NDUFB3	-0.893	5,472	0.1371	0.68297	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 3, 12kDa	Cytoplasm	enzyme
2425	DNAIC19	-0.966	5,533	0.13794	0.68297	DnaI (Hsp40) homolog, subfamily C, member 19	Cytoplasm	other
2426	PSENEN	-1,075	4,763	0.13801	0.68297	presenilin enhancer gamma secretase subunit	Plasma Membrane	peptidase
2427	C2orf76	-1,873	2,683	0.13711	0.68297	chromosome 2 open reading frame 76	Other	other
2428	SEC24B-AS	-2,170	2,729	0.13711	0.68297	SEC24B antisense RNA 1	Other	other
2429	ITCH-IT1	2,181	2,112	0.13828	0.68341	ITCH intronic transcript 1	Other	other
2430	SEC23A	0.668	7,227	0.1382	0.68341	Sec23 homolog A (S. cerevisiae)	Cytoplasm	transporter
2431	MYSM1	0.631	7,199	0.13829	0.68341	Myb-like, SWIRM and MPM domains	Nucleus	enzyme
2432	IQGAP2	0.568	8,587	0.13833	0.68341	IQ motif containing GTPase activating protein 2	Cytoplasm	other
2433	BMF2	1,487	4,987	0.13845	0.68343	bone morphogenetic protein 2	Extracellular Space	growth factor
2434	HMG2	-1,176	4,872	0.13844	0.68343	high mobility group nucleosomal binding domain 2	Nucleus	other
2435	CEACAM21	1,235	4,861	0.13885	0.68454	carcinoembryonic antigen-related cell adhesion molecule 21	Other	other
2436	C12orf52	1,217	4,605	0.13874	0.68454	RBP1 interacting and tubulin associated 1	Cytoplasm	other
2437	ASCC2	0.533	7,394	0.1389	0.68454	activating signal co-receptor 1 complex subunit 2	Nucleus	other
2438	ZNF226	-0.784	6,639	0.13885	0.68454	zinc finger protein 226	Nucleus	other
2439	ATG16L1	0.740	6,350	0.1391	0.68495	autophagy related 16-like 1 (S. cerevisiae)	Cytoplasm	other
2440	ABCF1	-0.526	7,648	0.13904	0.68495	ATP-binding cassette, sub-family F (GCN20), member 1	Cytoplasm	transporter
2441	MYO9B	0.613	7,050	0.13925	0.68541	myosin IXB	Cytoplasm	enzyme
2442	ANKRD24	2,528	2,583	0.13951	0.68544	ankyrin repeat domain 24	Other	other
2443	SLC12A4	1,660	3,443	0.13978	0.68544	solute carrier family 12 (potassium/chloride transporter), member 4	Plasma Membrane	transporter
2444	DEND1A	1,368	4,223	0.13955	0.68544	DENND1A domain containing 1A	Plasma Membrane	other
2445	CCM4	1,297	5,976	0.13985	0.68544	chemokine (C-C motif) receptor 4	Plasma Membrane	G protein coupled receptor
2446	FAM117B	0.957	5,667	0.13933	0.68544	family with sequence similarity 117, member 8	Other	other
2447	PTAR1	0.612	7,609	0.13978	0.68544	protein prenyltransferase alpha subunit repeat containing 1	Other	other
2448	EIF3A	-0.510	9,063	0.13988	0.68544	eukaryotic translation initiation factor 3, subunit A	Cytoplasm	other
2449	STIP1	-0.780	7,683	0.13962	0.68544	stress-induced phosphoprotein 1	Cytoplasm	other
2450	MAK16	-0.802	5,777	0.13977	0.68544	MAK16 homolog (S. cerevisiae)	Nucleus	other
2451	IQCB2P	-1,416	3,517	0.13953	0.68544	IQ motif containing B2 pseudogene	Other	other
2452	CDC51	-2,481	4,323	0.13964	0.68544	colicoid domain containing 51	Cytoplasm	other
2453	SUFU	1,571	4,267	0.14014	0.6855	suppressor of fused homolog (Drosophila)	Nucleus	transcription regulator
2454	TBC1D10A	1,068	5,598	0.14001	0.6855	TBC1 domain family, member 10A	Plasma Membrane	other
2455	ITGAE	-0.738	6,125	0.14011	0.6855	Integrin, alpha E (antigen CD103, human mucosal lymphocyte antigen 1; alpha polypeptide)	Plasma Membrane	other
2456	TSN2	-0.940	5,617	0.14090	0.6855	TSN2 RNA splicing endonuclease subunit	Cytoplasm	enzyme
2457	CBX5	-2,100	2,759	0.14018	0.6855	condensin 3 precursor	Extracellular Space	other
2458	CALCB	2,253	2,553	0.14041	0.68636	calcitonin-related polypeptide beta	Other	other
2459	RPA2	-0.497	7,866	0.14058	0.6864	replication protein A2, 32kDa	Nucleus	other
2460	TRGC1	-0.816	5,767	0.14058	0.6864	T cell receptor gamma constant 1	Other	other
2461	TAFL6	-1,095	4,994	0.14063	0.6864	TAFL6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor, 65kDa	Nucleus	transcription regulator
2462	PPP1R2P1	-1,677	3,063	0.14049	0.6864	protein phosphatase 1, regulatory (inhibitor) subunit 2 pseudogene 1	Cytoplasm	other
2463	LINC00263	-1,712	3,650	0.14071	0.6864	oligodendrocyte maturation-associated long intergenic non-coding RNA	Other	other
2464	ACADM	-0.656	6,478	0.14087	0.68657	acyl-CoA dehydrogenase, C-4 to C-12 straight chain	Cytoplasm	enzyme
2465	BRD7	-0.680	6,437	0.14083	0.68657	bromodomain containing 7	Nucleus	transcription regulator
2466	EED	-0.681	6,428	0.14091	0.68657	embryonic ectoderm development	Nucleus	transcription regulator
2467	RHEB	-0.873	5,370	0.14099	0.68668	Ras homolog enriched in brain	Cytoplasm	enzyme
2468	RAD23A	-0.538	7,269	0.14106	0.68671	RAD23 homolog A (S. cerevisiae)	Nucleus	other
2469	ZFP57	1,920	3,235	0.14116	0.6868	ZFP57 zinc finger protein	Nucleus	transcription regulator
2470	RREB1	0.974	5,122	0.14125	0.6868	ras responsive element binding protein 1	Nucleus	transcription regulator
2471	CIAPIN1	-0.728	6,506	0.14122	0.6868	cytokine induced apoptosis inhibitor 1	Cytoplasm	other
2472	TMEM23B	1,477	3,489	0.14141	0.68734	translocase of inner mitochondrial membrane 23 homolog B (yeast)	Cytoplasm	other
2473	ANKRD10	0.492	8,328	0.14155	0.68773	ankyrin repeat domain 10	Nucleus	transcription regulator
2474	ADAM10	0.617	7,401	0.14179	0.68833	ADAM metalloproteinase domain 10	Plasma Membrane	peptidase
2475	INTS7	-1,026	5,852	0.14175	0.68833	integrator complex subunit 7	Nucleus	other
2476	UBXN8	-1,247	4,920	0.142	0.68907	UBX domain protein 8	Cytoplasm	other
2477	PLEKHG4	-1,458	4,191	0.14223	0.68991	pleckstrin homology domain containing, family G (with RhoGEF domain) member 4	Other	other
2478	ALKB5	0.657	7,133	0.1424	0.69019	AlkB family member 5, RNA demethylase	Nucleus	enzyme
2479	HSO17B11	0.633	7,089	0.1424	0.69019	hydroxysteroid (17-beta) dehydrogenase 11	Cytoplasm	enzyme
2480	EXO3	1,423	4,074	0.14251	0.69044	exonuclease 3'-5' domain containing 3	Other	other
2481	C4orf47	1,988	2,743	0.14282	0.69054	chromosome 4 open reading frame 47	Cytoplasm	other
2482	ZNF319	1,502	3,723	0.14293	0.69054	zinc finger protein 319	Nucleus	other
2483	SLC25A4	1,013	5,155	0.14285	0.69054	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4	Cytoplasm	transporter
2484	-09-sept	0.763	6,047	0.14283	0.69054			
2485	UBC	-0.463	9,092	0.14281	0.69054	ubiquitin C	Cytoplasm	enzyme
2486	EXOSC3	-0.886	5,534	0.14285	0.69054	exosome component 3	Nucleus	enzyme
2487	KIAA0930	-1,073	5,064	0.14288	0.69054	KIAA0930	Other	other
2488	SPIN4	1,756	3,262	0.14305	0.69074	spindlin family, member 4	Other	other
2489	AMPH	-1,403	3,654	0.14309	0.69074	amphipysin	Plasma Membrane	other
2490	STS	-2,296	3,099	0.14316	0.69081	steroid sulfatase (microsomal), isozyme S	Cytoplasm	enzyme
2491	CCDC159	-1,038	5,289	0.14325	0.69094	colicoid domain containing 159	Other	other
2492	ACTR10	-0.520	7,518	0.14365	0.69241	actin-related protein 10 homolog (S. cerevisiae)	Cytoplasm	other
2493	TP53	-0.960	5,314	0.14367	0.69241	tumor protein p53	Nucleus	transcription regulator
2494	AGBL5-IT1	-2,067	2,210	0.14396	0.69255			
2495	DOCK11	-0.680	6,874	0.14407	0.69381	dedicator of cytokinesis 11	Cytoplasm	other
2496	MTMR3	1,653	3,824	0.1446	0.69388	myotubularin related protein 3	Cytoplasm	phosphatase
2497	MAML2	1,262	4,400	0.1446	0.69388	mastermind-like 2 (Drosophila)	Nucleus	transcription regulator
2498	IKZF3	1,243	4,718	0.14422	0.69388	IKAROS family zinc finger 3 (Aiolos)	Nucleus	transcription regulator
2499	MRPS31	0.821	5,868	0.1445	0.69388	mitochondrial ribosomal protein S31	Cytoplasm	other
2500	ZMAT1	0.807	5,783	0.14443	0.69388	zinc finger, matrix-type 1	Nucleus	other
2501	PSD4	0.788	6,281	0.14433	0.69388	pleckstrin and Sec7 domain containing 4	Cytoplasm	other
2502	ADPGK	0.521	8,182	0.14422	0.69388	ADP-dependent glucokinase	Plasma Membrane	kinase
2503	TUG1	0.500	8,008	0.14461	0.69388	taurine up-regulated 1 (non-protein coding)	Other	other
2504	C11orf95	-2,279	3,569	0.14444	0.69388	chromosome 11 open reading frame 95	Other	other
250								

2508	CSK	-0.693	7.139	0.14488	0.69407	c-src tyrosine kinase	Cytoplasm	kinase
2509	CHMP4B	-1.332	4.250	0.14483	0.69407	charged multivesicular body protein 4B	Cytoplasm	other
2510	WDTC1	2.043	2.808	0.14513	0.69444	WD and tetratricopeptide repeats 1	Other	other
2511	ABCA10	1.675	2.538	0.14525	0.69444	ATP-binding cassette, sub-family A (ABC1), member 10	Other	transporter
2512	VPS36	0.613	7.639	0.14531	0.69444	vacuolar protein sorting 36 homolog (S. cerevisiae)	Cytoplasm	other
2513	SAMM50	-0.711	6.488	0.1452	0.69444	SAMM50 sorting and assembly machinery component	Cytoplasm	other
2514	ATP10D	-0.879	5.551	0.14536	0.69444	ATPase, class V, type 10D	Cytoplasm	transporter
2515	HAPLN3	-1.400	7.569	0.14513	0.69444	hyaluronan and proteoglycan link protein 3	Extracellular Space	other
2516	EIF1AX-AS1	-2.309	2.938	0.14549	0.69478	EIF1AX antisense RNA 1	Other	other
2517	CLF2-AS1	1.388	4.744	0.14575	0.6951	CLF2 antisense RNA 1	Other	other
2518	CCDC7	1.350	4.120	0.14585	0.6951	coiled-coil domain containing 7	Other	other
2519	REST	0.485	8.255	0.14574	0.6951	RE1-silencing transcription factor	Nucleus	transcription regulator
2520	LSM5	-0.828	5.759	0.1459	0.6951	LSM5 homolog, U6 small nuclear RNA associated (S. cerevisiae)	Cytoplasm	other
2521	NAGA	-1.229	4.464	0.14564	0.6951	N-acetylglucosaminidase, alpha-	Cytoplasm	enzyme
2522	DMD	-1.348	6.416	0.14589	0.6951	dystrophin	Plasma Membrane	other
2523	NMI	-0.706	6.972	0.14598	0.69522	N-myc (and STAT) interactor	Cytoplasm	transcription regulator
2524	ATXN1	-0.614	6.950	0.14617	0.69557	ataxin 1	Nucleus	transcription regulator
2525	HMBS	-1.637	3.284	0.14612	0.69557	hydroxymethylblane synthase	Cytoplasm	enzyme
2526	GSDMD	-0.628	7.015	0.14625	0.69566	gasdermin D	Extracellular Space	other
2527	SYK	-2.335	4.747	0.14648	0.69649	spleen tyrosine kinase	Cytoplasm	kinase
2528	EPN2	1.821	2.758	0.14701	0.6969	epin 2	Cytoplasm	other
2529	FCHO2	1.063	5.331	0.14705	0.6969	FCH domain only 2	Cytoplasm	other
2530	FAM63B	0.774	6.816	0.14709	0.6969	family with sequence similarity 63, member 8	Nucleus	transporter
2531	DOB1	-0.488	8.043	0.14708	0.6969	damage-specific DNA binding protein 1, 127kDa	Nucleus	other
2532	EPRS	-0.513	8.883	0.147	0.6969	glutamyl-prolyl-tRNA synthetase	Cytoplasm	enzyme
2533	SESN1	-0.651	6.474	0.14684	0.6969	sestrin 1	Nucleus	other
2534	MFS05	-0.739	6.801	0.14688	0.6969	major facilitator superfamily domain containing 5	Other	transporter
2535	SLC25A17	-0.998	5.612	0.14706	0.6969	solute carrier family 25 (mitochondrial carrier, peroxisomal membrane protein, 34kDa), member 17	Cytoplasm	transporter
2536	NTSR1	-2.631	3.017	0.14687	0.6969	neurotensin receptor 1 (high affinity)	Plasma Membrane	G-protein coupled receptor
2537	CASC1	-1.740	2.756	0.14716	0.69693	cancer susceptibility candidate 1	Cytoplasm	other
2538	SLC29A1	-2.698	2.663	0.14725	0.69712	solute carrier family 29 (equilibrative nucleoside transporter), member 1	Plasma Membrane	transporter
2539	EPMA2AIP1	-0.523	7.467	0.14736	0.69725	EPMA2 (taforin) interacting protein 1	Cytoplasm	other
2540	ZNF75A	-0.609	7.117	0.1474	0.69725	zinc finger protein 75a	Nucleus	other
2541	VMP1	-0.549	7.592	0.14759	0.69791	vacuole membrane protein 1	Plasma Membrane	other
2542	TBC1D15	0.531	7.333	0.14775	0.69836	TBC1 domain family, member 15	Cytoplasm	other
2543	ROCK2	0.709	6.709	0.14826	0.70044	Rho-associated, coiled-coil containing protein kinase 2	Cytoplasm	kinase
2544	SNF8	-0.725	6.242	0.1483	0.70044	SNF8, ESCRT-II complex subunit	Cytoplasm	enzyme
2545	NCKAP1	1.245	4.985	0.14856	0.70138	NCK-associated protein 1	Plasma Membrane	other
2546	RTN4R	2.755	2.590	0.14952	0.70163	reticulon 4 receptor	Plasma Membrane	other
2547	ALDH1B1	2.616	3.348	0.15044	0.70163	aldehyde dehydrogenase 1 family, member B1	Cytoplasm	enzyme
2548	HEMGN	2.310	2.794	0.14997	0.70163	hemogen	Nucleus	other
2549	ZHX3	1.528	3.938	0.14967	0.70163	zinc fingers and homeobox 3	Nucleus	transcription regulator
2550	CTNBP1	1.480	3.853	0.15061	0.70163	catenin, beta interacting protein 1	Cytoplasm	other
2551	ALG9	1.433	4.117	0.15066	0.70163	ALG9, alpha-1,2-mannosyltransferase	Cytoplasm	enzyme
2552	ASUN	1.259	5.933	0.14971	0.70163	asunder spermatogenesis regulator	Cytoplasm	other
2553	TEX264	0.695	6.226	0.14959	0.70163	testis expressed 264	Extracellular Space	other
2554	ID2	0.618	7.941	0.14916	0.70163	inhibitor of DNA binding 2, dominant negative helix-loop-helix protein	Nucleus	transcription regulator
2555	COP9	0.561	6.969	0.15059	0.70163	COP9 signalosome subunit 2	Cytoplasm	other
2556	C1orf63	0.516	8.968	0.14938	0.70163	arginine/serine-rich protein 1	Other	other
2557	ACAP2	0.503	7.399	0.15053	0.70163	ArfGAP with coiled-coil, ankyrin repeat and PH domains 2	Nucleus	other
2558	OAZ1	-0.465	8.451	0.14892	0.70163	omithine decarboxylase antizyme 1	Cytoplasm	enzyme
2559	EIF4A3	-0.526	7.735	0.14989	0.70163	eukaryotic translation initiation factor 4A3	Nucleus	enzyme
2560	FLOT2	-0.563	7.126	0.14882	0.70163	flotillin 2	Plasma Membrane	other
2561	SH3KBP1	-0.604	7.300	0.15045	0.70163	SH3-domain kinase binding protein 1	Cytoplasm	other
2562	CCDC90B	-0.638	6.672	0.1506	0.70163	coiled-coil domain containing 90B	Cytoplasm	other
2563	NDUFB7	-0.737	5.949	0.14963	0.70163	NAADH dehydrogenase (ubiquinone) 1 beta subcomplex, 7, 18kDa	Cytoplasm	enzyme
2564	CTBP1	-0.782	6.590	0.14939	0.70163	C-terminal binding protein 1	Nucleus	enzyme
2565	TUBA1B	-0.802	5.744	0.14943	0.70163	tubulin, alpha 1b	Cytoplasm	other
2566	TMEM168	-0.802	6.388	0.15017	0.70163	transmembrane protein 168	Cytoplasm	other
2567	CCDC92	-0.844	6.236	0.14928	0.70163	coiled-coil domain containing 92	Cytoplasm	other
2568	EPST11	-1.039	6.948	0.14974	0.70163	epithelial stromal interaction 1 (breast)	Other	other
2569	NDUFC2	-1.120	4.972	0.14956	0.70163	NAADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2, 14.5kDa	Cytoplasm	enzyme
2570	TMEM116	-1.168	4.674	0.15061	0.70163	transmembrane protein 116	Other	other
2571	RSAD2	-1.193	7.702	0.15016	0.70163	radical 5-adenosyl methionine domain containing 2	Cytoplasm	enzyme
2572	ZC3H4	-1.233	4.813	0.15041	0.70163	zinc finger CCHC-type containing 4	Other	other
2573	MLLT4	-1.292	4.224	0.15043	0.70163	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 4	Nucleus	other
2574	SPSB2	-1.366	3.858	0.1496	0.70163	splA/ryanodine receptor domain and SOCS box containing 2	Other	other
2575	HIRA	-1.412	3.758	0.14968	0.70163	histone cell cycle regulator	Nucleus	transcription regulator
2576	HMS2	-1.463	6.381	0.15007	0.70163	hyaluronan synthase 2	Plasma Membrane	enzyme
2577	PSMD10P3	-2.042	2.073	0.15038	0.70163	proteasome 20S subunit, non-ATPase, 10 pseudogene 3	Other	other
2578	LINC00205	-2.083	2.319	0.14984	0.70163	long intergenic non-protein coding RNA 205	Other	other
2579	CXorf24	-2.276	2.945	0.14938	0.70163	long intergenic non-protein coding RNA 1560	Other	other
2580	DAPK2	-2.679	2.860	0.1496	0.70163	death-associated protein kinase 2	Cytoplasm	kinase
2581	RTN4	0.486	7.628	0.15086	0.70201	reticulon 4	Cytoplasm	other
2582	CXorf26	-0.666	6.266	0.15086	0.70201	polysaccharide biosynthesis domain containing 1	Other	other
2583	KLHL12	-0.682	6.368	0.15091	0.70201	kelch-like family member 12	Cytoplasm	other
2584	KRCBTB1	-0.779	5.873	0.15126	0.70335	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 1	Nucleus	other
2585	SVIL	0.990	5.196	0.15152	0.70338	supervillin	Plasma Membrane	other
2586	GAPDH	0.494	8.504	0.15143	0.70338	glyceraldehyde-3-phosphate dehydrogenase	Cytoplasm	enzyme
2587	KPNAB6	-0.490	7.710	0.15156	0.70338	karyopherin alpha 6 (importin alpha 7)	Nucleus	transporter
2588	HAUS6	-0.713	6.032	0.15162	0.70338	HAUS augmin-like complex, subunit 6	Cytoplasm	other
2589	SOCS4	-0.810	5.790	0.15148	0.70338	suppressor of cytokine signaling 4	Cytoplasm	other
2590	SLCA616	-1.429	4.437	0.15139	0.70338	solute carrier family 6, member 16	Plasma Membrane	transporter
2591	YPEL2	1.033	7.038	0.15172	0.7035	ylipes-2 (Drosophila)	Nucleus	other
2592	GNP2	-0.820	5.755	0.15182	0.7035	GNP-loop GTPase 2	Other	other
2593	GEN1	-1.309	4.884	0.15177	0.7035	GEN1 Holliday junction 5' flap endonuclease	Cytoplasm	enzyme
2594	CCNB1	2.082	2.995	0.15311	0.70355	cyclin B1	Cytoplasm	kinase
2595	ZSWIM1	1.990	3.205	0.15353	0.70355	zinc finger, SWIM-type containing 1	Nucleus	other
2596	OSBPL10	1.947	3.541	0.15307	0.70355	oxysterol binding protein-like 10	Other	other
2597	HELLS	1.447	4.206	0.15311	0.70355	helicase, lymphoid-specific	Nucleus	enzyme
2598	DGCR2	1.300	5.022	0.15332	0.70355	DiGeorge syndrome critical region gene 2	Plasma Membrane	other
2599	NCAPO3	0.780	5.677	0.15323	0.70355	non-SMC condensin II complex, subunit D3	Nucleus	other
2600	RCE1	0.778	5.963	0.15361	0.70355	Ras converting CAAX endopeptidase 1	Cytoplasm	peptidase
2601	CCDC93	0.685	7.289	0.15216	0.70355	coiled-coil domain containing 93	Extracellular Space	other
2602	MEI1	0.676	6.872	0.15348	0.70355	meiosis inhibitor 1	Other	other
2603	ATP2A3	0.605	6.797	0.15306	0.70355	ATPase, Ca++ transporting, ubiquitous	Cytoplasm	transporter
2604	PTPN7	0.477	8.817	0.15351	0.70355	protein tyrosine phosphatase, non-receptor type 7	Cytoplasm	phosphatase
2605	IK	-0.502	7.444	0.15263	0.70355	IK cytokine, down-regulator of HLA II	Extracellular Space	cytokine
2606	RCN2	-0.576	6.764	0.15258	0.70355	reticulocalbin 2, EF-hand calcium binding domain	Cytoplasm	other
2607	PPPIA	-0.628	6.445	0.15267	0.70355	protein tyrosine phosphatase, receptor type, I polypeptide (PTPRF), interacting protein (Iiprin), alpha 1	Plasma Membrane	phosphatase
2608	TRNAU1AP	-0.640	6.801	0.15264	0.70355	tRNA selenocysteine 1 associated protein 1	Nucleus	other
2609	CCDC109B	-0.683	6.843	0.1532	0.70355	coiled-coil domain containing 109B	Cytoplasm	other
2610	UMPS	-0.729	5.972	0.15249	0.70355	uridine monophosphate synthetase	Cytoplasm	enzyme
2611	ARHGEF3	-0.809	7.809	0.15346	0.70355	Rho guanine nucleotide exchange factor (GEF) 3	Cytoplasm	other
2612	LY75	-0.812	5.590	0.15341	0.70355	lymphocyte antigen 75	Plasma Membrane	transmembrane receptor
2613	DNAA1P3	-0.824	5.767	0.15343	0.70355	DnaI (Hsp40) homolog, subfamily A, member 1 pseudogene 3	Other	other
2614	GVINP1	-0.836	7.042	0.15302	0.70355	GTPase, very large interferon inducible pseudogene 1	Other	other
2615	B4GALT3	-0.859	6.360	0.15292	0.70355	UDP-Gal:beta-GlcNAc beta 1,4- galactosyltransferase, polypeptide 3	Cytoplasm	enzyme
2616	LMF2	-0.873	5.531	0.15342	0.70355	lipase maturation factor 2	Other	other
2617	MIER3	-0.894	5.683	0.15189	0.70355	mesoderm induction early response 1, family member 3	Nucleus	other
2618	NTAN1	-0.904	5.299	0.15349	0.70355	N-terminal asparagine amidase	Nucleus	enzyme
2619	IFT46	-1.154	4.953	0.1526	0.70355	intraflagellar transport 46	Cytoplasm	other
2620	HEXIM2	-1.659	3.562	0.15232	0.70355	hexamethylene bis-acetamide inducible 2	Nucleus	transcription regulator
2621	ZNF461	-1.669	4.033	0.15216	0.70355	zinc finger protein 461	Nucleus	other
2622	KIFC3	-1.735	3.660	0.15334	0.70355	kinesin family member C3	Cytoplasm	enzyme
2623	ST8SIA1	2.187	3.333	0.15362	0.70371	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 1	Cytoplasm	enzyme
2624	ZNF740	0.956	5.343	0.15395	0.70475	zinc finger protein 740	Other	other
2625	ZNF638	0.481	8.604	0.15398	0.70475	zinc finger protein 638	Nucleus	other
2626	AP1B1	-1.067	5.145	0.15402	0.70475	adaptor-related protein complex 1, beta 1 subunit	Cytoplasm	transporter
2627	NECAP1	0.536	7.163	0.15413	0.70498	NECAP endocytosis associated 1	Plasma Membrane	other
2628	DCAF13P3	1.504	3.878	0.15455	0.70582	DOB1 and CUL4 associated factor 13 pseudogene 3	Other	other
2629	CREBRF	-0.526	8.621	0.15467	0.70582	CREB3 regulatory factor	Nucleus	other
2630	ZMPSTE24	-0.629	6.935	0.15458	0.70582	zinc metallopeptidase STE24	Nucleus	peptidase
2631	ARHGAP4	-0.716	6.540	0.15465	0.70582	Rho GTPase activating protein 4	Cytoplasm	other
2632	SGPL1	-0.733	5.983	0.15446	0.70582	sphingosine-1-phosphate lyase 1	Cytoplasm	enzyme
2633	FGFRL1	-1.697	3.704	0.15446	0.70582	fibroblast growth factor receptor-like 1	Plasma Membrane	transmembrane receptor
2634	NREP	1.418	4.384	0.15507	0.70664	neuronal regeneration related protein	Cytoplasm	other
2635	NDRG3	0.665	6.508	0.15492	0.70664	NDRG family member 3	Cytoplasm	other
2636	ARHGAP30	0.493	8.672	0.15514	0.70664	Rho GTPase activating protein 30	Cytoplasm	other

2640	GLRX3	-0.652	6.697	0.15563	0.70833	glutaredoxin 3	Cytoplasm	enzyme
2641	GINS2	1.922	2.517	0.15584	0.70901	GINS complex subunit 2 (Psf2 homolog)	Nucleus	other
2642	MAPK13	0.924	5.122	0.15596	0.70902	mitogen-activated protein kinase 13	Cytoplasm	kinase
2643	NINJ2	-2.579	2.597	0.15595	0.70902	ninjurin 2	Plasma Membrane	other
2644	SOC35	1.311	5.930	0.15603	0.70907	suppressor of cytokine signaling 3	Cytoplasm	phosphatase
2645	AMZ2P1	0.696	6.043	0.15613	0.70924	archaeysin family metalloprotease 2 pseudogene 1	Other	other
2646	PLK3	0.505	7.836	0.15638	0.71011	polo-like kinase 3	Nucleus	kinase
2647	USP13	1.170	4.563	0.15654	0.71042	ubiquitin-specific peptidase 13 (isopeptidase T-3)	Other	peptidase
2648	FBXO36	-2.267	3.453	0.15656	0.71042	F-box protein 36	Other	other
2649	LPXN	-0.506	8.934	0.15663	0.71047	leupaxin	Cytoplasm	transcription regulator
2650	EFHC2	1.592	4.844	0.15692	0.71125	EF-hand domain (C-terminal) containing 2	Other	other
2651	SNX13	-0.656	6.933	0.15692	0.71125	sorting nexin 13	Cytoplasm	transporter
2652	ZNF587	-1.139	4.547	0.15701	0.71137	zinc finger protein 417	Nucleus	other
2653	VT18P2	-1.779	2.579	0.15733	0.71254	vesicle transport through interaction with t-SNAREs 18 pseudogene 2	Other	other
2654	TRIM2	2.117	2.051	0.15814	0.71258	tripartite motif containing 2	Cytoplasm	enzyme
2655	TOP1MT	1.924	3.753	0.15803	0.71258	topoisomerase (DNA) I, mitochondrial	Cytoplasm	enzyme
2656	PARD6A	1.543	4.139	0.1584	0.71258	par-6 family cell polarity regulator alpha	Plasma Membrane	other
2657	ZC3H3	1.201	4.909	0.15818	0.71258	zinc finger CCHC-type containing 3	Nucleus	other
2658	RERE	0.803	5.781	0.15824	0.71258	arginine-glutamic acid dipeptide (RE) repeats	Nucleus	other
2659	LDMAP4	0.740	5.892	0.15764	0.71258	lactate dehydrogenase A pseudogene 4	Other	other
2660	URGCP	0.738	6.064	0.15817	0.71258	upregulator of cell proliferation	Cytoplasm	other
2661	FAM108B1	0.707	6.826	0.15761	0.71258	abhydrolase domain containing 178	Other	peptidase
2662	NR3C1	0.448	6.698	0.1574	0.71258	nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor)	Nucleus	ligand-dependent nuclear receptor
2663	RIF1	-0.562	8.678	0.15766	0.71258	replication timing regulatory factor 1	Nucleus	other
2664	CAMLG	-0.588	6.749	0.15828	0.71258	calcium modulating ligand	Cytoplasm	other
2665	KIFAP3	-0.677	6.457	0.15838	0.71258	kinesin-associated protein 3	Cytoplasm	other
2666	ASNA1	-0.719	6.202	0.15789	0.71258	arsA arsenite transporter, ATP-binding, homolog 1 (bacterial)	Nucleus	transporter
2667	SMC2	-0.896	5.515	0.15753	0.71258	structural maintenance of chromosomes 2	Nucleus	transporter
2668	NDUF56	-0.970	5.187	0.1579	0.71258	NADH dehydrogenase (ubiquinone) Fe-S protein 6, 13kDa (NADH-coenzyme Q reductase)	Cytoplasm	enzyme
2669	C1orf159	-1.067	4.741	0.15835	0.71258	chromosome 1 open reading frame 159	Other	other
2670	HIGD1AP14	-1.606	2.762	0.15815	0.71258	HIG1 hypoxia inducible domain family, member 1A pseudogene 14	Other	other
2671	ACS8G1	-2.852	2.191	0.15809	0.71258	acyl-CoA synthetase bubblegum family member 1	Cytoplasm	enzyme
2672	UNK	0.988	4.932	0.1586	0.71287	unknown family zinc finger	Nucleus	transporter
2673	RPS27	0.628	6.523	0.15876	0.71287	ribosomal protein S27	Cytoplasm	other
2674	CCNI	0.452	9.136	0.15876	0.71287	cyclin I	Other	other
2675	PEX19	-0.674	6.298	0.1587	0.71287	peroxisomal biogenesis factor 19	Cytoplasm	other
2676	GPR22	-1.108	4.445	0.15861	0.71287	G protein-coupled receptor 22	Plasma Membrane	G-protein coupled receptor
2677	MARVELD2	-2.595	3.631	0.15888	0.71311	MARVEL domain containing 2	Plasma Membrane	other
2678	ABHD15	0.888	5.258	0.1595	0.71514	abhydrolase domain containing 15	Extracellular Space	other
2679	NPRL2	0.624	6.569	0.15951	0.71514	nitrogen permease regulator-like 2 (S. cerevisiae)	Cytoplasm	kinase
2680	FBXO42	0.474	7.658	0.1598	0.71514	F-box protein 42	Other	other
2681	UBB	-0.509	7.341	0.15963	0.71514	ubiquitin 8	Cytoplasm	enzyme
2682	MLX	-0.643	6.540	0.15977	0.71514	MLX, MAX dimerization protein	Nucleus	transcription regulator
2683	GTFC34	-0.920	5.351	0.15966	0.71514	general transcription factor IIIc, polypeptide 4, 90kDa	Nucleus	transcription regulator
2684	MTA2	-1.242	4.229	0.15946	0.71514	metastasis associated 1 family, member 2	Nucleus	transcription regulator
2685	NAALAD2	-2.717	2.125	0.1598	0.71514	N-acetylated alpha-linked acidic dipeptidase 2	Plasma Membrane	peptidase
2686	SH2B3	0.580	7.315	0.15998	0.71567	SH2B adaptor protein 3	Plasma Membrane	other
2687	C12orf65	-0.691	6.394	0.16006	0.71575	chromosome 12 open reading frame 65	Other	other
2688	HNRPLL	0.755	6.098	0.16023	0.71624	heterogeneous nuclear ribonucleoprotein L-like	Other	other
2689	TTC22	2.040	2.243	0.16048	0.71646	tetratricopeptide repeat domain 22	Other	other
2690	DDIT4	0.857	8.016	0.16102	0.71646	DNA-damage-inducible transcript 4	Cytoplasm	other
2691	ZNF567	0.774	6.020	0.16111	0.71646	zinc finger protein 567	Nucleus	other
2692	ARHGFE1	0.621	8.188	0.16084	0.71646	Rho guanine nucleotide exchange factor (GEF) 1	Cytoplasm	other
2693	TUBA4A	0.475	7.762	0.1606	0.71646	tubulin, alpha 4a	Cytoplasm	other
2694	RPS16	0.459	7.962	0.16109	0.71646	ribosomal protein S16	Cytoplasm	other
2695	NSUN2	-0.488	7.727	0.1607	0.71646	NOP2/Sun RNA methyltransferase family, member 2	Nucleus	enzyme
2696	HEXB	-0.559	7.095	0.16091	0.71646	hexosaminidase B (beta polypeptide)	Cytoplasm	enzyme
2697	WNF1	-0.990	5.222	0.16079	0.71646	ubiquitin-cytochrome c reductase complex assembly factor 2	Cytoplasm	other
2698	ZNF569	-1.101	4.932	0.16096	0.71646	zinc finger protein 569	Nucleus	other
2699	FAM3C2	-1.286	4.065	0.16111	0.71646	FAM3C pseudogene	Other	other
2700	BLVRA	-1.343	5.216	0.16058	0.71646	biliverdin reductase A	Cytoplasm	enzyme
2701	KIAA1377	-1.791	3.167	0.16105	0.71646	centrosomal protein 126kDa	Cytoplasm	other
2702	IL9RP3	-1.823	2.865	0.16035	0.71646	interleukin 9 receptor pseudogene 3	Other	other
2703	CTHF18	1.527	4.067	0.16148	0.71651	CTF18, chromosome transmission fidelity factor 18 homolog (S. cerevisiae)	Nucleus	other
2704	SLC37A4	1.371	4.290	0.16145	0.71651	solute carrier family 37 (glucose-6-phosphate transporter), member 4	Cytoplasm	transporter
2705	AGPAT2	1.343	5.511	0.16119	0.71651	1-acylglycerol-3-phosphate O-acyltransferase 2	Cytoplasm	enzyme
2706	ARGL1	0.477	8.000	0.16138	0.71651	arginine and glutamate rich 1	Other	other
2707	DAP	-0.521	7.487	0.1613	0.71651	death-associated protein	Cytoplasm	transcription regulator
2708	ARHGFE19	-1.077	4.998	0.16145	0.71651	Rho guanine nucleotide exchange factor (GEF) 19	Other	other
2709	BCO2	1.687	3.242	0.16161	0.71682	beta-carotene oxygenase 2	Cytoplasm	enzyme
2710	MPP7	0.875	5.706	0.16255	0.71754	membrane protein, palmitoylated 7 (MAGUK p55 subfamily member 7)	Plasma Membrane	other
2711	TARBP1	0.832	6.118	0.1623	0.71754	TAR (HIV-1) RNA binding protein 1	Nucleus	transcription regulator
2712	RBMB4	0.652	6.613	0.16253	0.71754	RNA binding motif protein 48	Nucleus	other
2713	NFATC3	0.576	7.288	0.16211	0.71754	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3	Nucleus	transcription regulator
2714	PRDM2	0.554	7.673	0.16191	0.71754	PR domain containing 2, with ZNF domain	Nucleus	transcription regulator
2715	EZR	-0.455	9.229	0.16208	0.71754	eazin	Plasma Membrane	other
2716	BRD2	-0.456	8.476	0.16252	0.71754	bromodomain containing 2	Nucleus	kinase
2717	GFPT1	-0.595	7.431	0.16231	0.71754	glutamine-fructose-6-phosphate transaminase 1	Cytoplasm	enzyme
2718	FUND2	-0.683	6.174	0.1626	0.71754	FUN14 domain containing 2	Cytoplasm	other
2719	HSPA4	-0.696	7.270	0.16258	0.71754	heat shock 70kDa protein 4	Cytoplasm	other
2720	PTPR12	-0.719	6.078	0.16264	0.71754	protein tyrosine phosphatase, non-receptor type 12	Cytoplasm	phosphatase
2721	BAG4	-0.869	6.241	0.16246	0.71754	BC12-associated atlastin gene 4	Cytoplasm	other
2722	RAS	-0.950	5.075	0.16211	0.71754	related RAS viral (v-ras) oncogene homolog	Cytoplasm	enzyme
2723	MEMO1	-1.252	4.569	0.16267	0.71754	mediator of cell motility 1	Cytoplasm	other
2724	JRK	-1.295	4.787	0.16244	0.71754	Jrk homolog (mouse)	Nucleus	other
2725	C19orf42	0.535	7.031	0.1629	0.71814	small integral membrane protein 7	Other	other
2726	ACTR3C	-1.284	4.175	0.16293	0.71814	ARP3 actin-related protein 3 homolog C (yeast)	Cytoplasm	other
2727	CDK13	-0.653	7.314	0.163	0.71822	cyclin-dependent kinase 13	Nucleus	kinase
2728	NCF2	2.596	3.123	0.16314	0.71837	neutrophil cytosolic factor 2	Cytoplasm	enzyme
2729	CCDC59	0.850	5.533	0.16316	0.71837	coiled-coil domain containing 59	Other	other
2730	RTKN2	0.662	6.266	0.16325	0.71851	retikin 2	Plasma Membrane	other
2731	ALKB2	0.998	5.004	0.16356	0.71903	alkB, alkylation repair homolog 2 (E. coli)	Nucleus	enzyme
2732	RPP38	0.855	5.413	0.16365	0.71903	ribonuclease P/MRP 38kDa subunit	Nucleus	enzyme
2733	PLEKH01	-0.495	7.595	0.16396	0.71903	pleckstrin homology domain containing, family O member 1	Plasma Membrane	other
2734	PES1	-0.715	6.126	0.16394	0.71903	pericardillo ribosomal biogenesis factor 1	Nucleus	other
2735	ARHGAP27	-0.788	6.811	0.16399	0.71903	Rho GTPase activating protein 27	Cytoplasm	other
2736	ABAT	-0.922	5.812	0.16362	0.71903	4-aminobutyrate aminotransferase	Cytoplasm	enzyme
2737	GALNT2	-0.946	5.342	0.16387	0.71903	polypeptide N-acetylgalactosaminyltransferase 2	Cytoplasm	enzyme
2738	TMEM99	-1.329	3.780	0.16397	0.71903	transmembrane protein 99	Other	other
2739	PGLYRP2	-1.527	2.981	0.16389	0.71903	peptidoglycan recognition protein 2	Plasma Membrane	transmembrane receptor
2740	EMLG	-1.776	3.267	0.16408	0.71903	echinoderm microtubule associated protein like 6	Other	other
2741	FRAT2	-1.820	4.076	0.16403	0.71903	frequently rearranged in advanced T-cell lymphomas 2	Cytoplasm	other
2742	CP	-2.384	2.567	0.16358	0.71903	ceruloplasmin (ferroxidase)	Extracellular Space	enzyme
2743	ZNF701	0.622	6.431	0.16417	0.71915	zinc finger protein 701	Nucleus	other
2744	SPTAN1	0.518	7.656	0.16434	0.71936	spectrin, alpha, non-erythrocytic 1	Plasma Membrane	other
2745	STK35	-0.881	5.996	0.16434	0.71936	serine/threonine kinase 35	Cytoplasm	kinase
2746	CYTH2	2.505	2.915	0.16478	0.71988	cytohesin 2	Cytoplasm	other
2747	ZNF300	2.075	2.874	0.16494	0.71988	zinc finger protein 300	Nucleus	other
2748	GAPDHP21	2.026	2.452	0.16482	0.71988	glyceraldehyde 3 phosphate dehydrogenase pseudogene 21	Other	other
2749	VSIG1	1.637	3.381	0.16506	0.71988	V-set and immunoglobulin domain containing 1	Plasma Membrane	other
2750	LINC00630	1.448	3.654	0.1646	0.71988	long intergenic non-protein coding RNA 630	Other	other
2751	ANO9	1.200	4.535	0.165	0.71988	anoctamin 9	Plasma Membrane	ion channel
2752	PTBP2	0.867	5.382	0.16493	0.71988	polypyrimidine tract binding protein 2	Nucleus	other
2753	ASXL1	0.594	7.176	0.1647	0.71988	additional sex combs like transcriptional regulator 1	Nucleus	transcription regulator
2754	DHX9	-0.491	8.173	0.16504	0.71988	DEAH (Asp-Glu-Ala-His) box helicase 9	Nucleus	enzyme
2755	PKD2	-1.638	4.407	0.16499	0.71988	pyruvate dehydrogenase kinase, isozyme 2	Cytoplasm	kinase
2756	FLVCR1	-0.868	5.424	0.16518	0.72015	heline leukemia virus subgroup C cellular receptor 1	Plasma Membrane	transporter
2757	ZNF184	1.101	5.753	0.16533	0.72044	zinc finger protein 184	Nucleus	other
2758	DNAC9-AS	-1.552	3.059	0.16536	0.72044	DNAC9 antisense RNA 1	Other	other
2759	HLCS	1.078	4.543	0.16546	0.7206	holocarboxylase synthetase (biotin-[propionyl-CoA-carboxylase (ATP-hydrolysing)] ligase)	Cytoplasm	enzyme
2760	AIMP2	-0.972	4.966	0.16575	0.72161	aminoacyl tRNA synthetase complex-interacting multifunctional protein 2	Plasma Membrane	other
2761	CCDC104	0.520	7.441	0.1659	0.722	cilia and flagella associated protein 36	Other	other
2762	GPRASP1	1.307	5.630	0.16597	0.72202	G protein-coupled receptor associated sorting protein 1	Cytoplasm	transporter
2763	GPNPAT1	-1.214	4.236	0.16622	0.72285	glucosamine-phosphate N-acetyltransferase 1	Cytoplasm	enzyme
2764	COX17	-1.153	4.547	0.16635	0.72316	COX17 cytochrome c oxidase copper chaperone	Cytoplasm	enzyme
2765	C14orf1126	-1.436	3.548	0.16641	0.72316	D-tyrosyl-tRNA deacylase 2 (putative)	Other	other
2766	GPR35	-1.674	3.722	0.16654	0.72347	G protein-coupled receptor 35	Plasma Membrane	G-protein coupled receptor
2767	DMXL1	0.755	6.524	0.16669	0.72386	dmx-like 1	Extracellular Space	other
2768	FBXD40	2.393	3.162	0.16721	0.72559	F-box protein 40	Cytoplasm	other
2769	NRIP1	0.529						

2772	GREB1L	1,371	3,596	0.16814	0.72593	growth regulation by estrogen in breast cancer-like	Extracellular Space	other
2773	SLC35G1	1,139	4,642	0.16806	0.72593	solute carrier family 35, member G1	Plasma Membrane	other
2774	UTP15	1,065	5,269	0.16853	0.72593	UTP15, U3 small nucleolar ribonucleoprotein, homolog (S. cerevisiae)	Nucleus	other
2775	LRSAM1	1,058	5,655	0.16859	0.72593	leucine rich repeat and sterile alpha motif containing 1	Cytoplasm	enzyme
2776	THAP5	0,916	5,261	0.16779	0.72593	THAP domain containing 5	Nucleus	other
2777	ZNF34	0,870	5,562	0.16767	0.72593	zinc finger protein 34	Nucleus	other
2778	FAND1	0,519	7,017	0.16758	0.72593	zinc finger, AN1-type domain 1	Other	other
2779	USP47	0,440	8,455	0.16859	0.72593	ubiquitin-specific peptidase 47	Cytoplasm	peptidase
2780	ELK4	-0,536	7,078	0.16839	0.72593	ELK4, ETS-domain protein (SRF accessory protein 1)	Nucleus	transcription regulator
2781	ZNF378P	-0,549	6,956	0.16866	0.72593	zinc finger protein 378, pseudogene	Other	other
2782	PWP1	-0,616	7,288	0.16796	0.72593	PWP1 homolog (S. cerevisiae)	Nucleus	other
2783	RNF146	-0,735	5,930	0.16746	0.72593	ring finger protein 146	Cytoplasm	enzyme
2784	TMEM69	-0,736	5,891	0.16862	0.72593	transmembrane protein 69	Other	other
2785	NCAPH2	-0,740	6,197	0.16777	0.72593	non-SMC condensin II complex, subunit H2	Nucleus	other
2786	MRPL35	-0,818	5,607	0.16783	0.72593	mitochondrial ribosomal protein L35	Cytoplasm	other
2787	KIAA0355	-0,864	5,283	0.16868	0.72593	KIAA0355	Extracellular Space	other
2788	ZNF565	-1,099	4,548	0.16786	0.72593	zinc finger protein 565	Nucleus	other
2789	EID2B	-1,400	3,307	0.16837	0.72593	EP300 interacting inhibitor of differentiation 2B	Other	other
2790	FGF20	-1,749	3,876	0.16792	0.72593	fibroblast growth factor 20	Extracellular Space	growth factor
2791	SLC39A14	-1,882	3,413	0.16842	0.72593	solute carrier family 39 (zinc transporter), member 14	Plasma Membrane	transporter
2792	CTHRC1	-1,967	2,252	0.16831	0.72593	collagen triple helix repeat containing 1	Extracellular Space	other
2793	EXO2	1,360	4,782	0.16884	0.72611	exonuclease 3'-5' domain containing 2	Other	other
2794	NUDT22	1,090	5,367	0.16882	0.72611	nucleic acid diphosphate linked moiety X-type motif 22	Nucleus	other
2795	EIF4G1	-0,518	8,058	0.16898	0.7262	eukaryotic translation initiation factor 4 gamma, 1	Cytoplasm	translation regulator
2796	ZNF335	-0,606	6,580	0.16898	0.7262	zinc finger protein 335	Nucleus	other
2797	CBX3P3	1,790	2,371	0.16936	0.72708	chromobox homolog 3 pseudogene 3	Other	other
2798	ZNF773	1,081	4,907	0.16985	0.72708	zinc finger protein 773	Other	other
2799	ARHGAP1	0,780	6,025	0.16979	0.72708	Rho GTPase activating protein 1	Cytoplasm	other
2800	HDAC6	0,774	6,236	0.16969	0.72708	histone deacetylase 6	Nucleus	transcription regulator
2801	STAM	0,586	7,152	0.16984	0.72708	signal transducing adaptor molecule (SH3 domain and ITAM motif) 1	Cytoplasm	other
2802	UFM1	0,582	8,322	0.1694	0.72708	ubiquitin-fold modifier 1	Cytoplasm	other
2803	DNAC10	-0,513	7,209	0.16942	0.72708	DnaI (Hsp40) homolog, subfamily C, member 10	Cytoplasm	enzyme
2804	FAM19A2	-1,280	3,926	0.16962	0.72708	family with sequence similarity 19 (chemokine (C-C motif)-like), member A2	Cytoplasm	other
2805	PMS2P3	-1,583	4,043	0.16961	0.72708	postmeiotic segregation increased 2 pseudogene 3	Other	other
2806	GOLGA2P5	-1,584	5,092	0.16985	0.72708	galglin A2 pseudogene 5	Other	other
2807	IL1RL1	-1,602	5,673	0.1695	0.72708	interleukin 1 receptor-like 1	Plasma Membrane	transmembrane receptor
2808	GAPDHP1	0,688	6,051	0.16992	0.72709	glyceraldehyde 3-phosphate dehydrogenase pseudogene 1	Other	other
2809	PCEID1B-AS	-0,767	6,379	0.17002	0.72729	PCEID1B antisense RNA 1	Other	other
2810	NDE1	0,826	5,556	0.17015	0.72756	nuclei neurodevelopment protein 1	Nucleus	other
2811	TRPT1	0,824	6,104	0.17023	0.72766	RNA phosphotransferase 1	Other	enzyme
2812	CTIF	2,100	2,470	0.17062	0.72796	CBP80/20-dependent translation initiation factor	Cytoplasm	other
2813	GLUD1P3	1,375	3,526	0.17079	0.72796	glutamate dehydrogenase 1 pseudogene 3	Other	other
2814	BTBD2	1,046	4,780	0.17043	0.72796	BTB (POZ) domain containing 2	Cytoplasm	other
2815	AKR7A2	1,017	5,405	0.1707	0.72796	aldo-keto reductase family 7, member A2 (afatoxin aldehyde reductase)	Cytoplasm	enzyme
2816	MMH41	0,521	8,154	0.17053	0.72796	histoneoctamethyl (H3K4) H4-1	Cytoplasm	transporter
2817	RAB3GAP2	-0,571	6,995	0.17052	0.72796	RAB3 GTPase activating protein subunit 2 (non-catalytic)	Cytoplasm	enzyme
2818	IL2RA	-1,243	7,883	0.1706	0.72796	interleukin 2 receptor, alpha	Plasma Membrane	transmembrane receptor
2819	ZNF564	-1,661	3,375	0.17073	0.72796	zinc finger protein 564	Nucleus	other
2820	OTUD5	-0,609	7,294	0.17107	0.72879	OTU deubiquitinase 5	Cytoplasm	enzyme
2821	STRBP	-0,888	6,889	0.1711	0.72879	spermatid perinuclear RNA binding protein	Cytoplasm	other
2822	PPP6C	0,461	7,682	0.17117	0.72883	protein phosphatase 6, catalytic subunit	Nucleus	phosphatase
2823	ATP11C	-0,690	6,190	0.17132	0.7292	ATPase, class VI, type 11C	Plasma Membrane	transporter
2824	BTBD19	1,537	4,232	0.17154	0.72924	BTB (POZ) domain containing 19	Other	other
2825	FTSJ1	-0,561	7,126	0.17144	0.72924	ftsJ RNA methyltransferase homolog 1 (E. coli)	Other	enzyme
2826	ZWILCH	-0,902	5,353	0.17148	0.72924	zwilch kinetochore protein	Nucleus	other
2827	BAIAP3	-2,225	2,169	0.17157	0.72924	BAI1-associated protein 3	Extracellular Space	other
2828	CDYL	-0,812	5,556	0.17173	0.72939	chromodomain protein, Y-like	Nucleus	transcription regulator
2829	MTFR1	-1,171	4,162	0.17171	0.72939	mitochondrial fission regulator 1	Cytoplasm	other
2830	LRRC37A4A	1,495	3,583	0.17227	0.73015	leucine rich repeat containing 37, member A4, pseudogene	Other	other
2831	TRIM5	0,805	5,661	0.17227	0.73015	tripartite motif containing 5	Cytoplasm	enzyme
2832	NAPA	-0,632	6,540	0.17201	0.73015	N-ethylmaleimide-sensitive factor attachment protein, alpha	Cytoplasm	transporter
2833	LRRC8D	-0,801	5,807	0.17214	0.73015	leucine rich repeat containing 8 family, member D	Plasma Membrane	G-protein coupled receptor
2834	GSR	-0,956	5,954	0.17203	0.73015	glutathione reductase	Cytoplasm	enzyme
2835	CHAC2	-1,653	3,684	0.17218	0.73015	ChaC, cation transport regulator homolog 2 (E. coli)	Other	other
2836	CISH	-1,480	6,654	0.17239	0.73039	cytokine inducible SH2-containing protein	Cytoplasm	other
2837	GDF11	1,019	4,846	0.17251	0.73066	growth differentiation factor 11	Extracellular Space	growth factor
2838	NMT1	-0,536	7,059	0.1726	0.73077	N-myristoyltransferase 1	Cytoplasm	enzyme
2839	FAM120A	-0,563	6,877	0.17267	0.7308	family with sequence similarity 120A	Cytoplasm	other
2840	MEGF6	1,646	3,403	0.17274	0.73084	multiple EGF-like domains 6	Cytoplasm	other
2841	ZNF32-AS2	2,378	2,078	0.17287	0.73097	ZNF32 antisense RNA 2	Other	other
2842	PCMT01	-0,571	7,084	0.17295	0.73097	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 1	Cytoplasm	enzyme
2843	AHL1	-0,719	8,129	0.17294	0.73097	Abelson helper integration site 1	Cytoplasm	other
2844	OXR1	0,686	6,622	0.17377	0.73238	oxidation resistance 1	Cytoplasm	enzyme
2845	PGS1	0,679	6,205	0.1738	0.73238	phosphatidylglycerophosphate synthase 1	Cytoplasm	enzyme
2846	ITGA4	0,540	7,623	0.17336	0.73238	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)	Plasma Membrane	transmembrane receptor
2847	LGALS8	0,460	7,977	0.17371	0.73238	lectin, galactoside-binding, soluble, 8	Extracellular Space	other
2848	SMEK1	0,442	8,213	0.17372	0.73238	SMEK homolog 1, suppressor of mek1 (Dictyostellium)	Plasma Membrane	other
2849	EP515	-0,462	7,673	0.17363	0.73238	epidermal growth factor receptor pathway substrate 15	Cytoplasm	other
2850	CPSF7	-0,849	5,497	0.17343	0.73238	cleavage and polyadenylation specific factor 7, 59kDa	Nucleus	other
2851	CSRP2BP	-1,192	5,057	0.17348	0.73238	CSRP2 binding protein	Nucleus	enzyme
2852	GorP162	-1,195	4,487	0.17339	0.73238	small integral membrane protein 8	Other	other
2853	ICF1	-2,381	2,680	0.17289	0.73238	CtF transcription factor 1	Nucleus	transcription regulator
2854	GOSR2	0,779	5,834	0.17413	0.73236	golgi SNAP receptor complex member 2	Cytoplasm	transporter
2855	DBN1	-1,799	4,525	0.1741	0.73236	desmin 1	Cytoplasm	other
2856	ERVFRD-1	-2,528	2,408	0.1741	0.73236	endogenous retrovirus group FRD, member 1	Other	other
2857	TMEM182	2,068	2,831	0.17423	0.73271	transmembrane protein 182	Other	other
2858	CTDSP12	0,605	7,026	0.17431	0.73271	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase like 2	Nucleus	phosphatase
2859	TF2	-1,118	5,154	0.17434	0.73271	transcription termination factor, RNA polymerase II	Cytoplasm	transcription regulator
2860	FAM176B	1,337	3,579	0.17452	0.73295	eva-1 homolog B (C. elegans)	Other	other
2861	UBA5	0,564	6,911	0.17452	0.73295	ubiquitin-like modifier activating enzyme 5	Cytoplasm	enzyme
2862	MOC52	-0,686	5,967	0.17476	0.7336	molybdenum cofactor synthesis 2	Cytoplasm	enzyme
2863	DGSEPL1	-1,105	4,901	0.17479	0.7336	O-sialoglycoprotein endopeptidase-like 1	Cytoplasm	peptidase
2864	DEPCA	2,356	2,162	0.17507	0.73371	DBP domain containing 4	Other	other
2865	CAPRIN1	-0,575	7,725	0.17504	0.73371	cell cycle associated protein 1	Plasma Membrane	other
2866	ZNF337	-1,229	4,013	0.17495	0.73371	zinc finger protein 337	Nucleus	other
2867	ARHGAP11	-2,341	2,385	0.175	0.73371	Rho GTPase activating protein 11B	Cytoplasm	other
2868	SLC16A5	2,199	3,055	0.17525	0.73396	solute carrier family 16 (monocarboxylate transporter), member 5	Plasma Membrane	transporter
2869	ZBED1	-0,684	6,243	0.17521	0.73396	zinc finger, BED-type containing 1	Nucleus	enzyme
2870	RWDD2A	1,534	4,759	0.17531	0.73397	RWD domain containing 2A	Other	other
2871	NAA35	0,720	6,304	0.17556	0.73447	N[alpha]-acetyltransferase 35, NaC auxiliary subunit	Cytoplasm	other
2872	IAH1	-0,681	5,998	0.17557	0.73447	isoamyl acetate-hydrolyzing esterase 1 homolog (S. cerevisiae)	Cytoplasm	other
2873	INTS1	-1,118	4,481	0.17567	0.73447	integrator complex subunit 1	Nucleus	other
2874	CARM1	-1,744	2,221	0.17567	0.73447	coactivator-associated arginine methyltransferase 1	Nucleus	transcription regulator
2875	CD226	0,724	6,177	0.17581	0.7348	CD226 molecule	Plasma Membrane	other
2876	GLI1	2,276	2,032	0.17624	0.73589	GLI family zinc finger 1	Nucleus	transcription regulator
2877	C1orf74	-1,643	4,293	0.17626	0.73589	chromosome 1 open reading frame 74	Other	other
2878	C12orf55	-2,170	2,296	0.17626	0.73589	cilia and flagella associated 54	Cytoplasm	other
2879	NR1D1	1,432	3,697	0.17669	0.73722	nuclear receptor subfamily 1, group D, member 1	Nucleus	ligand-dependent nuclear receptor
2880	SOX13	1,019	4,684	0.1767	0.73722	SRY (sex determining region Y)-box 13	Nucleus	transcription regulator
2881	NAA16	0,578	6,961	0.17693	0.73792	N[alpha]-acetyltransferase 16, NaTA auxiliary subunit	Nucleus	enzyme
2882	RCL1	0,810	6,035	0.1773	0.7392	RNA terminal phosphate cyclase-like 1	Nucleus	enzyme
2883	DOCK2	0,787	7,821	0.17739	0.73929	dedicator of cytokinesis 2	Cytoplasm	other
2884	MAPRE2	0,473	7,920	0.17744	0.73929	microtubule-associated protein, RP/EB family, member 2	Cytoplasm	other
2885	CHDH	-1,374	7,300	0.17756	0.73953	choline dehydrogenase	Cytoplasm	enzyme
2886	ZNF440	1,051	5,140	0.17781	0.73979	zinc finger protein 440	Nucleus	other
2887	TMEM150A	-1,389	4,669	0.17775	0.73979	transmembrane protein 150A	Other	other
2888	ACS3M	-1,455	4,306	0.17773	0.73979	acyl-CoA synthetase medium-chain family member 3	Cytoplasm	enzyme
2889	HSO17B12	-0,891	5,251	0.17816	0.74101	hydroxysteroid (17-beta) dehydrogenase 12	Cytoplasm	enzyme
2890	MS12	-0,491	7,202	0.17837	0.74163	MS12 kinetochore complex component	Nucleus	other
2891	RPS244	1,921	3,191	0.17868	0.74195	ribosomal protein S2 pseudogene 44	Other	other
2892	TIP3	1,699	3,890	0.17863	0.74195	tight junction protein 3	Cytoplasm	other
2893	GIGYF1	1,055	4,984	0.1787	0.74195	GRB10 interacting GYF protein 1	Extracellular Space	other
2894	GORASP1	-0,973	5,171	0.17863	0.74195	golgi reassembly stacking protein 1, 65kDa	Cytoplasm	other
2895	STT3B	0,465	8,705	0.1788	0.74211	STT3B, subunit of the oligosaccharyltransferase complex (catalytic)	Cytoplasm	enzyme
2896	SDR42E1	-1,680	3,354	0.1791	0.74311	short chain dehydrogenase/reductase family 42E, member 1	Other	enzyme
2897	UBBP4	-1,995	2,062	0.17934	0.74386	ubiquitin B pseudogene 4	Other	other
2898	MB21D1	1,143	4,447	0.1795	0.74425	Meb-21 domain containing 1	Cytoplasm	other
2899	HMI13-IT1	1,509	2,761	0.17985	0.74444			
2900	DGKD	0,638	6,601	0.17979	0.74444	diacylglycerol kinase,		

2904	FLI1	0.783	6.647	0.18001	0.74474	flr-1 proto-oncogene, ETS transcription factor	Nucleus	transcription regulator
2905	FYN	0.536	8.543	0.18005	0.74474	FYN proto-oncogene, Src family tyrosine kinase	Plasma Membrane	kinase
2906	TTC9	1.000	4.855	0.18012	0.74477	tetratricopeptide repeat domain 9	Extracellular Space	other
2907	KCNB1	2.220	2.567	0.18031	0.74492	potassium channel, voltage gated Shal related subfamily D, member 1	Plasma Membrane	ion channel
2908	BR13	-1.213	4.403	0.18031	0.74492	brain protein 13	Other	other
2909	BAGALT2	-2.561	2.673	0.18034	0.74492	UDP-Gal-betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 2	Cytoplasm	enzyme
2910	SERAC1	1.098	5.284	0.18045	0.74497	serine active site containing 1	Extracellular Space	other
2911	ZCCCH10	-0.647	6.142	0.18059	0.74497	zinc finger, CCHC domain containing 10	Other	other
2912	MGST3	-0.677	6.344	0.1806	0.74497	microsomal glutathione S-transferase 3	Cytoplasm	enzyme
2913	ALPK1	-1.224	5.157	0.1805	0.74497	alpha-kinase 1	Other	kinase
2914	BTFL4	0.700	5.866	0.18082	0.74514	basic transcription factor 3-like 4	Other	other
2915	NFX1	-0.476	7.709	0.18083	0.74514	nuclear transcription factor, X-box binding 1	Nucleus	transcription regulator
2916	NUP43	-0.842	5.713	0.18083	0.74514	nucleoporin 43kDa	Nucleus	transporter
2917	CALD1	1.843	2.242	0.18115	0.74527	caldesmon 1	Cytoplasm	other
2918	PIGT	-0.485	7.297	0.18117	0.74527	phosphatidylinositol glycan anchor biosynthesis, class T	Cytoplasm	enzyme
2919	FAF2	-0.497	7.126	0.18108	0.74527	Fas associated factor family member 2	Cytoplasm	other
2920	CDC23	-0.576	6.491	0.181	0.74527	cell division cycle 23	Nucleus	enzyme
2921	PPIAP29	-1.622	2.539	0.18094	0.74527	peptidylprolyl isomerase A (cyclophilin A) pseudogene 29	Other	other
2922	FBXO7	-0.477	8.413	0.18125	0.74534	F-box protein 7	Cytoplasm	enzyme
2923	SBP2	0.690	5.909	0.18135	0.74551	SEI binding factor 2	Cytoplasm	other
2924	ITGA6	1.272	5.301	0.18214	0.74569	integrin, alpha 6	Plasma Membrane	transmembrane receptor
2925	ABHD5	1.060	5.059	0.18165	0.74569	abhydrolase domain containing 5	Cytoplasm	enzyme
2926	PLGRKT	1.055	4.674	0.18204	0.74569	plasminogen receptor, C-terminal lysine transmembrane protein	Cytoplasm	other
2927	SLC35D1	0.931	5.603	0.1823	0.74569	solute carrier family 35 (UDP-GlcA/UDP-GalNAc transporter), member D1	Cytoplasm	transporter
2928	IRAK1	0.735	6.347	0.18226	0.74569	interleukin-1 receptor-associated kinase 1	Plasma Membrane	kinase
2929	SLC33A1	0.633	6.904	0.18233	0.74569	solute carrier family 33 (acetyl-CoA transporter), member 1	Cytoplasm	transporter
2930	DENND4C	-0.488	7.750	0.18205	0.74569	DENN/MADD domain containing 4C	Other	other
2931	AURKAIP1	-0.537	6.770	0.18176	0.74569	aurora kinase A interacting protein 1	Nucleus	enzyme
2932	EFR3A	-0.539	7.300	0.1815	0.74569	EFR3 homolog A (S. cerevisiae)	Plasma Membrane	other
2933	DUS1L	-0.647	6.982	0.18211	0.74569	dihydrouridine synthase 1-like (S. cerevisiae)	Other	other
2934	Clorf1	-0.658	6.172	0.18202	0.74569	chromosome 14 open reading frame 1	Cytoplasm	other
2935	Clorf66	-0.658	6.264	0.1821	0.74569	chromosome 19 open reading frame 66	Other	other
2936	TUSC2	-0.815	5.452	0.18171	0.74569	tumor suppressor candidate 2	Nucleus	other
2937	IL6R	-0.889	5.373	0.18213	0.74569	interleukin 6 receptor	Plasma Membrane	transmembrane receptor
2938	SFXN5	-1.661	3.252	0.18192	0.74569	sideroflexin 5	Cytoplasm	transporter
2939	ZSWIM3	1.883	4.140	0.18279	0.74632	zinc finger, SWIM-type containing 3	Other	other
2940	SLC9A9	1.013	5.175	0.18274	0.74632	solute carrier family 9, subfamily A (NHE9, cation proton antiporter 9), member 9	Cytoplasm	transporter
2941	NFS1	0.789	5.460	0.18293	0.74632	NFS1 cysteine desulfurase	Cytoplasm	enzyme
2942	PDXK	0.557	7.396	0.18298	0.74632	pyridoxal (pyridoxine, vitamin B6) kinase	Cytoplasm	kinase
2943	O6-sept	0.525	9.033	0.18293	0.74632			
2944	NSFL1C	-0.483	7.357	0.18286	0.74632	NSFL1 (p97) cofactor (p47)	Cytoplasm	other
2945	BANF1P2	-1.598	2.533	0.18293	0.74632	barrier to autointegration factor 1 pseudogene 2	Other	other
2946	MIR600HG	-1.934	3.138	0.18262	0.74632	MIR600 host gene	Other	other
2947	RBMA4	2.443	2.414	0.18378	0.74658	RNA binding (nottf) protein 44	Other	other
2948	GATS3	2.021	2.147	0.18379	0.74658	GATS protein-like 3	Other	other
2949	UBOX5-AS1	1.975	1.989	0.18366	0.74658	UBOX5 antisense RNA 1	Other	other
2950	ZNF276	0.655	6.212	0.18324	0.74658	zinc finger protein 276	Nucleus	other
2951	EIF251	-0.484	7.943	0.18367	0.74658	eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa	Cytoplasm	translation regulator
2952	Clorf43	-0.495	7.879	0.18377	0.74658	chromosome 1 open reading frame 43	Other	other
2953	C3orf17	-0.526	7.057	0.18327	0.74658	chromosome 3 open reading frame 17	Nucleus	other
2954	SUMO2	-0.662	6.081	0.18356	0.74658	small ubiquitin-like modifier 2	Nucleus	enzyme
2955	FNIP2	-0.666	6.342	0.1836	0.74658	folliculin interacting protein 2	Cytoplasm	other
2956	C2orf18	-1.283	3.892	0.18341	0.74658	solute carrier family 35, member F6	Cytoplasm	other
2957	PUS1	-1.417	4.610	0.1832	0.74658	pseudouridylate synthase 1	Nucleus	enzyme
2958	KDEL1C	-1.908	2.747	0.1835	0.74658	KDEL (Lys-Asp-Glu-Leu) containing 1	Cytoplasm	other
2959	FRMD4B	1.914	3.042	0.18385	0.7466	FRM domain containing 4B	Cytoplasm	other
2960	PAPD5	0.703	6.048	0.18397	0.74679	PAP-associated domain containing 5	Nucleus	enzyme
2961	CDC69	-0.484	7.664	0.18403	0.74679	colled-cell domain containing 69	Other	other
2962	IFITM1	0.749	7.220	0.18421	0.74727	interferon induced transmembrane protein 1	Plasma Membrane	transmembrane receptor
2963	TIMP1	0.666	6.705	0.18451	0.74821	TIMP metalloproteinase inhibitor 1	Extracellular Space	cytokine
2964	IFI27L1	-1.762	2.424	0.18456	0.74821	interferon, alpha-inducible protein 27-like 1	Other	other
2965	MBOAT2	0.931	6.372	0.18469	0.74845	membrane bound O-acyltransferase domain containing 2	Cytoplasm	enzyme
2966	MRPS33	-0.989	4.735	0.18508	0.74981	mitochondrial ribosomal protein S33	Cytoplasm	other
2967	NAALADL2	2.126	2.183	0.18523	0.75014	N-acetylated alpha-linked acidic dipeptidase-like 2	Other	other
2968	SCARNA9	2.022	2.041	0.18566	0.75047	small Cajal body-specific RNA 9	Other	other
2969	PVGB	1.025	5.557	0.1859	0.75047	phosphorylase, glycogen; brain	Cytoplasm	enzyme
2970	PSMG4	0.986	4.745	0.1861	0.75047	proteasome (prosome, macropain) assembly chaperone 4	Other	transcription regulator
2971	SMURF1	0.914	5.263	0.18615	0.75047	SMAD specific E3 ubiquitin protein ligase 1	Cytoplasm	enzyme
2972	COMMD10	0.847	5.391	0.1869	0.75047	COMMD domain containing 10	Other	other
2973	CAMTA1	0.819	5.475	0.18689	0.75047	calmodulin binding transcription activator 1	Other	other
2974	COL1	0.790	5.558	0.18674	0.75047	collin	Nucleus	enzyme
2975	DYRK1A	0.758	6.163	0.18658	0.75047	dual-specificity tyrosine-[Y]-phosphorylation regulated kinase 1A	Nucleus	kinase
2976	SC5DL	0.700	6.390	0.18658	0.75047	sterol-C5-desaturase	Cytoplasm	enzyme
2977	ARHGEF6	0.617	8.108	0.18617	0.75047	Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6	Cytoplasm	other
2978	TTC39B	0.578	6.396	0.18585	0.75047	tetratricopeptide repeat domain 39B	Other	other
2979	UBN2	0.570	6.742	0.18606	0.75047	ubiquitin 2	Nucleus	other
2980	CUTC	0.561	6.638	0.18673	0.75047	cutC copper transporter	Cytoplasm	other
2981	PCMTD2	0.523	7.358	0.1861	0.75047	protein-L-isooxparatate (D-aspartate) O-methyltransferase domain containing 2	Cytoplasm	enzyme
2982	RAP1A	0.515	6.837	0.18664	0.75047	RAP1A, member of RAS oncogene family	Cytoplasm	enzyme
2983	TPM3	-0.424	8.398	0.18679	0.75047	tropomyosin 3	Cytoplasm	other
2984	PSMA1	-0.529	6.835	0.18683	0.75047	proteasome (prosome, macropain) subunit, alpha type, 1	Cytoplasm	peptidase
2985	CTSA	-0.602	6.713	0.18635	0.75047	cathespin A	Cytoplasm	peptidase
2986	PSMC6	-0.609	6.595	0.18566	0.75047	proteasome (prosome, macropain) 26S subunit, ATPase, 6	Nucleus	peptidase
2987	HIGD1A	-0.647	6.147	0.18664	0.75047	HIG1 hypoxia inducible domain family, member 1A	Cytoplasm	other
2988	FBXO45	-1.218	4.719	0.18648	0.75047	F-box protein 45	Plasma Membrane	other
2989	USP31	-1.258	4.177	0.1866	0.75047	ubiquitin specific peptidase 31	Nucleus	peptidase
2990	ZSCAN22	-1.320	4.821	0.18557	0.75047	zinc finger and SCAN domain containing 22	Nucleus	transcription regulator
2991	KIAA0494-4	-1.852	2.414	0.18693	0.75047	EFCAB14 antisense RNA 1	Other	other
2992	DNASE1L1	-2.082	2.891	0.18667	0.75047	deoxyribonuclease I-like 1	Cytoplasm	enzyme
2993	C5	-2.500	2.548	0.18612	0.75047	complement component 5	Extracellular Space	cytokine
2994	CLTC	-0.503	6.606	0.18709	0.75086	clathrin, heavy chain (Hc)	Plasma Membrane	other
2995	MPPED2	1.537	3.661	0.18723	0.75115	metallophosphoesterase domain containing 2	Other	other
2996	FAM211A	1.278	4.034	0.18751	0.75204	heavine rich repeat containing 75A	Other	other
2997	CD160	-2.473	3.345	0.18765	0.75235	CD160 molecule	Plasma Membrane	transmembrane receptor
2998	EIF4BP7	1.417	3.111	0.18839	0.75246	eukaryotic translation initiation factor 4B pseudogene 7	Other	other
2999	RNF214	1.064	4.623	0.18786	0.75246	ring finger protein 214	Other	other
3000	PAAF1	0.713	5.783	0.18848	0.75246	proteasomal ATPase-associated factor 1	Other	other
3001	CYIP2	0.467	9.336	0.18792	0.75246	cytoplasmic FMR1 interacting protein 2	Cytoplasm	other
3002	FARSB	-0.539	6.892	0.18838	0.75246	phenylalanyl-tRNA synthetase, beta subunit	Cytoplasm	enzyme
3003	EPT1	-0.861	5.882	0.18795	0.75246	ethanolaminephosphotransferase 1	Cytoplasm	enzyme
3004	SPSB1	-1.073	4.929	0.18849	0.75246	splA/ryanodine receptor domain and SOCS box containing 1	Cytoplasm	other
3005	METTL1	-1.167	4.709	0.1879	0.75246	methyltransferase like 1	Nucleus	enzyme
3006	FAM200A	-1.318	4.029	0.18825	0.75246	family with sequence similarity 200, member A	Other	other
3007	TEP1	-1.356	4.764	0.18839	0.75246	telomerase-associated protein 1	Nucleus	enzyme
3008	SORP	-2.305	2.434	0.18812	0.75246	sine oculis binding protein homolog (Drosophila)	Nucleus	other
3009	EIF4EBP3	-2.314	1.775	0.1882	0.75246	eukaryotic translation initiation factor 4E binding protein 3	Cytoplasm	other
3010	POMZP3	-2.334	1.946	0.18803	0.75246	POMZ1 and ZP3 fusion	Nucleus	other
3011	KLHL26	-2.078	2.788	0.18856	0.75247	kelch-like family member 26	Other	other
3012	CTNNA1	-1.659	3.455	0.18863	0.7525	catenin (cadherin-associated protein), alpha-like 1	Plasma Membrane	other
3013	ZNF267	-0.517	7.132	0.18872	0.75262	zinc finger protein 267	Nucleus	other
3014	SCAPER	0.556	7.607	0.18884	0.75286	S-phase cyclin A-associated protein in the ER	Extracellular Space	other
3015	TMPPRSS111	2.125	2.055	0.18965	0.75309	transmembrane protease, serine 11D	Extracellular Space	peptidase
3016	USP18	1.555	3.330	0.18915	0.75309	ubiquitin specific peptidase 18	Cytoplasm	peptidase
3017	HEXDC	0.709	5.976	0.1891	0.75309	hexosaminidase (glycosyl hydrolase family 20, catalytic domain) containing	Other	other
3018	PtBF1	0.640	6.216	0.18943	0.75309	progesterone immunomodulatory binding factor 1	Nucleus	other
3019	RGS14	0.576	6.823	0.18959	0.75309	regulator of G-protein signaling 14	Cytoplasm	other
3020	LASP1	0.556	6.808	0.18932	0.75309	LIM and SH3 protein 1	Cytoplasm	transporter
3021	CDC42SE1	0.436	7.866	0.18951	0.75309	CDC42 small effector 1	Plasma Membrane	other
3022	OSPLR8	-0.451	7.517	0.18957	0.75309	cytochalasin binding protein-like 8	Plasma Membrane	other
3023	CORO1A	-0.470	8.486	0.18922	0.75309	coronin, actin binding protein, 1A	Cytoplasm	other
3024	GRB2	-0.522	7.371	0.18954	0.75309	growth factor receptor-bound protein 2	Cytoplasm	other
3025	RNF144A	-0.843	6.770	0.18943	0.75309	ring finger protein 144A	Nucleus	other
3026	CIAPIN1P	-1.265	3.868	0.18936	0.75309	cytokine induced apoptosis inhibitor 1 pseudogene	Other	other
3027	C1orf62	-0.439	8.598	0.18995	0.75326	chromosome 6 open reading frame 62	Other	other
3028	RAB22A	-0.484	7.153	0.18991	0.75326	RAB22A, member RAS oncogene family	Cytoplasm	enzyme
3029	PARP1	-0.512	7.545	0.18985	0.75326	poly (ADP-ribose) polymerase 1	Nucleus	enzyme
3030	UQCQRQ	-0.625	6.184	0.18978	0.75326	ubiquinol-cytochrome c reductase, complex III subunit VII, 9.5kDa	Cytoplasm	enzyme
3031	NIPSNAP1	0.765	5.931	0.19002	0.7533	nipsnap homolog 1 (C. elegans)	Cytoplasm	enzyme
3032	CNNK2A1	-0.564	6.761	0.1905	0.75495	casein kinase 2, alpha 1 polypeptide	Nucleus	kinase
3033	PLA2G15	-						

3036	RIMKLA	1,214	4,101	0.19112	0.75639	ribosomal modification protein rimk-like family member A		Cytoplasm	other
3037	GPANK1	-1,043	5,025	0.19124	0.75639	G patch domain and ankyrin repeats 1		Nucleus	transcription regulator
3038	CKS2	-1,328	4,251	0.19124	0.75639	CDC28 protein kinase regulatory subunit 2		Other	kinase
3039	THBS4	1,798	3,181	0.19151	0.75685	thrombospondin 4		Extracellular Space	other
3040	NCKIPSD	1,344	5,259	0.19168	0.75685	NCK interacting protein with SH3 domain		Other	other
3041	NAT9	-0,636	6,210	0.19157	0.75685	N-acetyltransferase 9 (GCN5-related, putative)		Other	other
3042	MRRP3	-0,675	6,593	0.19166	0.75685	mitochondrial ribosomal protein L3		Cytoplasm	other
3043	TOX	-0,751	7,013	0.19173	0.75685	thymocyte selection-associated high mobility group box		Nucleus	other
3044	ZNF85	-1,250	4,220	0.19152	0.75685	zinc finger protein 85		Nucleus	transcription regulator
3045	TTG3	0,497	8,854	0.19191	0.75717	tetratricopeptide repeat domain 3		Cytoplasm	enzyme
3046	KIAA1033	-0,516	8,397	0.19196	0.75717	KIAA1033		Cytoplasm	other
3047	B3GALT1	-0,803	5,628	0.192	0.75717	beta 1,3-galactosyltransferase-like		Cytoplasm	other
3048	ICAM1	1,200	5,625	0.1921	0.7572	intercellular adhesion molecule 1		Plasma Membrane	transmembrane receptor
3049	VPS29	-0,464	7,349	0.19244	0.7572	vacuolar protein sorting 29 homolog (S. cerevisiae)		Cytoplasm	transporter
3050	LIMD2	-0,483	7,533	0.19223	0.7572	LIM domain containing 2		Other	other
3051	IDH3B	-0,559	7,457	0.19228	0.7572	isocitrate dehydrogenase 3 (NAD+) beta		Cytoplasm	enzyme
3052	STX2	-0,722	5,930	0.1924	0.7572	syntaxin 2		Cytoplasm	transporter
3053	ESF1	-0,725	5,740	0.19245	0.7572	ESF1, nucleolar pre-rRNA processing protein, homolog (S. cerevisiae)		Nucleus	other
3054	TME655B	-0,772	5,906	0.19241	0.7572	transmembrane protein 558		Cytoplasm	phosphatase
3055	PRKAR2A- <i>P</i>	2,213	2,878	0.19393	0.75835	PRKAR2A antisense RNA 1		Other	other
3056	PRKAG2- <i>AS</i>	2,062	2,153	0.19326	0.75835	PRKAG2 antisense RNA 1		Other	other
3057	TL1	2,038	2,860	0.19496	0.75835	transducin-like enhancer of split 1 (E(spl) homolog, Drosophila)		Nucleus	transcription regulator
3058	POU5F1B	1,901	2,886	0.19456	0.75835	POU class 5 homeobox 1B		Nucleus	transcription regulator
3059	PPP1R32	1,892	2,694	0.19498	0.75835	protein phosphatase 1, regulatory subunit 32		Other	other
3060	GCOM2	1,775	2,656	0.19506	0.75835	GRINL18 complex locus 2, pseudogene		Other	other
3061	RUMPF1	1,548	4,104	0.1939	0.75835	ring finger protein, LIM domain interacting pseudogene 1		Other	other
3062	SLC2A11	1,506	3,790	0.19504	0.75835	solute carrier family 2 (facilitated glucose transporter), member 11		Plasma Membrane	other
3063	ZNF813	1,379	3,840	0.19367	0.75835	zinc finger protein 813		Other	other
3064	NOP14- <i>AS1</i>	1,324	4,369	0.19434	0.75835	NOP14 antisense RNA 1		Other	other
3065	CBR3- <i>AS1</i>	1,312	3,367	0.19495	0.75835	CBR3 antisense RNA 1		Other	other
3066	NPOC1	1,283	4,220	0.19419	0.75835	neural proliferation, differentiation and control, 1		Extracellular Space	other
3067	HCF1C1R1	1,118	4,202	0.19328	0.75835	host cell factor C1 regulator 1 (XPO1 dependent)		Nucleus	other
3068	PLCB1	0,929	5,151	0.19488	0.75835	phospholipase C, beta 1 (phosphoinositide-specific)		Cytoplasm	enzyme
3069	B3GNT5	0,895	4,965	0.19455	0.75835	UDP-glucNAc-betaGal beta 1,3-N-acetylglucosaminyltransferase 5		Cytoplasm	enzyme
3070	DAGLB	0,878	5,119	0.19315	0.75835	diacylglycerol lipase, beta		Plasma Membrane	enzyme
3071	PLEKHG3	0,833	5,602	0.19427	0.75835	pleckstrin homology domain containing, family G (with RhoGef domain) member 3		Other	other
3072	HERPUD2	0,659	6,373	0.19413	0.75835	HERPUD family member 2		Other	other
3073	CTSB	0,603	7,615	0.19307	0.75835	cathepsin B		Cytoplasm	peptidase
3074	MAGED1	0,583	6,473	0.19336	0.75835	melanoma antigen family D1		Plasma Membrane	transcription regulator
3075	PHF10	0,524	7,264	0.19346	0.75835	PHD finger protein 10		Nucleus	other
3076	RC3H2	-0,469	7,349	0.19334	0.75835	ring finger and CCHC-type domains 2		Plasma Membrane	enzyme
3077	DNM1L	-0,491	7,089	0.19298	0.75835	dynamitin 1-like		Cytoplasm	enzyme
3078	CCT2	-0,550	7,775	0.19437	0.75835	chaperonin containing TCP1, subunit 2 (beta)		Cytoplasm	kinase
3079	TIPARP	-0,555	7,351	0.19428	0.75835	1'CDU-inducible poly(ADP-ribose) polymerase		Nucleus	enzyme
3080	CYC1	-0,566	7,075	0.19474	0.75835	cytochrome c-1		Cytoplasm	enzyme
3081	SNRPB2	-0,579	6,482	0.19415	0.75835	small nuclear ribonucleoprotein polypeptide B		Nucleus	other
3082	PHAX	-0,579	6,472	0.19407	0.75835	phosphorylated adaptor for RNA export		Cytoplasm	other
3083	POC1B	-0,593	6,489	0.19508	0.75835	POC1 centriolar protein B		Cytoplasm	other
3084	TUFMP1	-0,879	5,032	0.19396	0.75835	Tu translation elongation factor, mitochondrial pseudogene 1		Other	other
3085	PUS3	-0,894	5,873	0.19347	0.75835	pseudouridylate synthase 3		Nucleus	enzyme
3086	RNR3P3	-1,026	4,601	0.19371	0.75835	RNA polymerase I transcription factor homolog (S. cerevisiae) pseudogene 3		Other	other
3087	ZFP64	-1,286	4,687	0.1949	0.75835	ZFP64 zinc finger protein		Nucleus	other
3088	TTC26	-1,474	3,999	0.19342	0.75835	tetratricopeptide repeat domain 26		Extracellular Space	other
3089	PWIL2	-1,733	3,171	0.19447	0.75835	piwi-like RNA-mediated gene silencing 2		Cytoplasm	other
3090	HLA-DRB1	-2,324	4,538	0.19358	0.75835	major histocompatibility complex, class II, DR beta 1		Plasma Membrane	transmembrane receptor
3091	TACR1	-2,566	3,182	0.19476	0.75835	tachykinin receptor 1		Plasma Membrane	G-protein coupled receptor
3092	AFAP112	1,924	3,139	0.19533	0.75865	actin filament associated protein 1-like 2		Cytoplasm	other
3093	SNORD94	1,836	2,216	0.1953	0.7586	small nuclear RNA, C/D box 94		Other	other
3094	RAB11FIP4	-0,578	6,598	0.19526	0.7586	RAB11 family interacting protein 4 (class II)		Cytoplasm	other
3095	GBAP1	2,059	3,704	0.19549	0.75865	glucosidase, beta, acid pseudogene 1		Other	other
3096	GALNS	0,779	6,012	0.19553	0.75865	galactosamine (N-acetyl)-6-sulfatase		Cytoplasm	enzyme
3097	SERPINE2	-1,118	4,084	0.19545	0.75865	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2		Extracellular Space	other
3098	KLHL6	0,464	7,932	0.19582	0.75902	kelch-like family member 6		Other	other
3099	DCAF7	-0,470	7,608	0.19581	0.75902	DOB1 and CUL4 associated factor 7		Cytoplasm	other
3100	MFAP3	-0,984	5,637	0.19573	0.75902	microfibrillar-associated protein 3		Extracellular Space	other
3101	FMO5	1,400	3,741	0.19638	0.75967	flavin containing monooxygenase 5		Cytoplasm	enzyme
3102	HPGD5	1,089	7,550	0.19655	0.75967	hematopoietic prostaglandin D synthase		Cytoplasm	enzyme
3103	ARRHGAP12	0,671	6,056	0.19644	0.75967	Rho GTPase activating protein 12		Cytoplasm	enzyme
3104	UBE2N	-0,463	7,730	0.19647	0.75967	ubiquitin-conjugating enzyme E2N		Cytoplasm	enzyme
3105	ABRACL	-0,538	6,950	0.19637	0.75967	ABRA C-terminal like		Other	other
3106	ABCC1	-0,746	5,876	0.19651	0.75967	ATP-binding cassette, sub-family C (CFTR/MRP), member 1		Plasma Membrane	transporter
3107	MAP7D3	-0,998	5,446	0.19619	0.75967	MAP7 domain containing 3		Cytoplasm	other
3108	C5orf55	-1,630	3,001	0.1962	0.75967	EXOC3 antisense RNA 1		Other	other
3109	VN1R108P	-2,201	2,147	0.19618	0.75967	vomeromonal 1 receptor 108 pseudogene		Other	other
3110	KPNA4	-0,546	7,058	0.19671	0.76004	karyopherin alpha 4 (importin alpha 3)		Nucleus	transporter
3111	CYSTM1	-0,867	5,172	0.19688	0.76018	cysteine-rich transmembrane module containing 1		Cytoplasm	other
3112	IL21R- <i>AS1</i>	-2,183	2,149	0.19684	0.76018	IL21R antisense RNA 1		Other	other
3113	SCRN1	1,135	6,399	0.19703	0.76025	secernin 1		Cytoplasm	other
3114	C14orf119	-0,511	6,831	0.19708	0.76025	chromosome 14 open reading frame 119		Other	other
3115	PARS2	-1,898	3,380	0.19708	0.76025	polyl-rRNA synthetase 2, mitochondrial (putative)		Cytoplasm	enzyme
3116	WDR91	-1,305	4,970	0.19771	0.76089	WD repeat domain 91		Other	other
3117	ZNF204P	0,959	5,276	0.19767	0.76089	zinc finger protein 204, pseudogene		Other	other
3118	GRAS	0,634	6,302	0.19751	0.76089	glioblastoma amplified sequence		Plasma Membrane	other
3119	VTI1A	0,593	6,330	0.19776	0.76089	vesicle transport through interaction with t-SNAREs 1A		Plasma Membrane	transporter
3120	ARHGDB18	0,430	9,897	0.19771	0.76089	Rho GTP dissociation inhibitor (GDI) beta		Cytoplasm	enzyme
3121	PRPF4	-0,603	6,177	0.19765	0.76089	pre-mRNA processing factor 4		Nucleus	other
3122	AGPAT3	-0,683	5,958	0.19752	0.76089	1-acylglycerol-3-phosphate O-acyltransferase 3		Cytoplasm	enzyme
3123	TNFAIP8L2	-1,060	4,452	0.19766	0.76089	tumor necrosis factor, alpha-induced protein 8-like 2		Cytoplasm	other
3124	H3F3A	1,105	4,421	0.19789	0.76115	H3 histone, family 3A		Nucleus	other
3125	CDC47L	-1,924	3,931	0.198	0.76133	cell division cycle associated 7-like		Nucleus	other
3126	HNRNPL	0,789	5,594	0.19811	0.76152	heterogeneous nuclear ribonucleoprotein L		Nucleus	other
3127	NHLRC3	0,679	5,864	0.1989	0.76407	NHL repeat containing 3		Cytoplasm	other
3128	POT1	-0,785	5,625	0.19888	0.76407	protection of telomeres 1		Nucleus	other
3129	ZNF192	-0,613	6,223	0.19904	0.76437	zinc finger with RKB and SCAN domains 8		Nucleus	transcription regulator
3130	NUP160	-0,472	7,759	0.19912	0.76441	nucleoporin 160Da		Nucleus	transporter
3131	DDX23	-0,533	7,133	0.1992	0.76448	DEAD (Asp-Glu-Ala-Asp) box polypeptide 23		Nucleus	enzyme
3132	SURF2	0,955	4,827	0.19941	0.76478	surfeit 2		Nucleus	other
3133	PDE7A	-0,476	7,872	0.19945	0.76478	phosphodiesterase 7A		Cytoplasm	enzyme
3134	RPL7L1	-0,583	6,390	0.19947	0.76478	ribosomal protein L7-like 1		Cytoplasm	transcription regulator
3135	PSMB1	-0,428	8,138	0.1998	0.76503	proteasome (prosome, macropain) subunit, beta type, 1		Cytoplasm	peptidase
3136	IREB2	-0,465	7,389	0.19972	0.76503	iron-responsive element binding protein 2		Cytoplasm	translation regulator
3137	NPLOC4	-0,586	7,327	0.19985	0.76503	nuclear protein localization 4 homolog (S. cerevisiae)		Nucleus	other
3138	KCTD6	-0,834	5,448	0.19966	0.76503	potassium channel tetramerization domain containing 6		Other	ion channel
3139	EXT2	-1,704	5,640	0.1998	0.76503	exostosin glycosyltransferase 2		Cytoplasm	enzyme
3140	CCDC132	-0,767	6,485	0.19994	0.76515	coiled-coil domain containing 132		Cytoplasm	other
3141	CLIP1	2,073	2,031	0.2001	0.76551	collin-1 (iron-muscle) pseudogene 1		Other	other
3142	PSD	0,713	6,393	0.20034	0.76616	phosphatidylserine decarboxylase		Cytoplasm	enzyme
3143	ACOT4	-2,183	2,464	0.20062	0.76702	acyl-CoA thioesterase 4		Cytoplasm	enzyme
3144	FAM109A	2,239	2,577	0.20089	0.76724	family with sequence similarity 109, member A		Other	other
3145	B3GAT2	1,191	3,944	0.20107	0.76724	beta-1,3-glucuronyltransferase 2		Cytoplasm	enzyme
3146	TBRG4	0,547	7,158	0.20093	0.76724	transforming growth factor beta regulator 4		Cytoplasm	other
3147	PRKRA	0,538	7,023	0.201	0.76724	protein kinase, interferon-inducible double stranded RNA dependent activator		Cytoplasm	other
3148	ATPS12	-0,857	5,069	0.20101	0.76724	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit F2		Cytoplasm	transporter
3149	PEX10	-1,382	3,858	0.20079	0.76724	peroxisomal biogenesis factor 10		Cytoplasm	other
3150	GLYCK	1,150	4,107	0.20166	0.76876	glycerate kinase		Cytoplasm	kinase
3151	FIGNL1	1,016	5,250	0.20162	0.76876	figedin-like 1		Nucleus	enzyme
3152	TSPYL1	0,558	6,492	0.20178	0.76876	TSPY-like 1		Nucleus	other
3153	SLAMF6	-1,373	5,836	0.20173	0.76876	SLAM family member 6		Plasma Membrane	transmembrane receptor
3154	HAQHL	-1,542	3,275	0.20172	0.76876	hydroxycyglutathione hydrolase-like		Other	enzyme
3155	DNM3	1,828	3,105	0.20207	0.76913	dynamitin 3		Cytoplasm	enzyme
3156	RAB2B	0,798	5,809	0.2022	0.76913	RAB2B, member RAS oncogene family		Plasma Membrane	enzyme
3157	RNPEP	0,726	5,982	0.20205	0.76913	arginyl aminopeptidase (aminopeptidase B)		Cytoplasm	peptidase
3158	HMGN1P3	-1,035	4,250	0.20211	0.76913	high mobility group nucleosome binding domain 1 pseudogene 38		Other	other
3159	NPRL3	-1,109	4,500	0.2022	0.76913	nitrogen permease regulator-like 3 (S. cerevisiae)			

3168	LINC00526	1,005	4,602	0.20334	0.76967	long intergenic non-protein coding RNA 526	Other	other
3169	ISYNA1	0,840	5,421	0.20299	0.76967	inositol-3-phosphate synthase 1	Cytoplasm	enzyme
3170	ABI2	0,680	6,292	0.20325	0.76967	abl-interactor 2	Cytoplasm	other
3171	STUB1	-0,616	6,075	0.2033	0.76967	STIP1 homology and U-box containing protein 1, E3 ubiquitin protein ligase	Cytoplasm	enzyme
3172	AHR	-0,771	7,485	0.2031	0.76967	aryl hydrocarbon receptor	Nucleus	ligand-dependent nuclear receptor
3173	EPG5	-0,862	7,115	0.2034	0.76967	ectopic P-granules autophagy protein 5 homolog (C. elegans)	Other	other
3174	PPAT	-0,892	5,205	0.20298	0.76967	phosphoribosyl pyrophosphate amidotransferase	Cytoplasm	enzyme
3175	UTS2	-1,174	4,190	0.20335	0.76967	utensin-2	Extracellular Space	other
3176	MYH11	-1,769	3,544	0.20343	0.76967	myosin, heavy chain 11, smooth muscle	Cytoplasm	other
3177	ATP6V0B	-0,470	7,651	0.20357	0.76996	ATPase, H+ transporting, lysosomal 21kDa, V0 subunit b	Cytoplasm	transporter
3178	DNAJC30	-1,210	3,930	0.20364	0.76998	DnaJ (Hsp40) homolog, subfamily C, member 30	Cytoplasm	other
3179	FOXP4	1,296	3,648	0.20384	0.7705	forkhead box P4	Nucleus	transcription regulator
3180	IGF2R	-0,627	6,433	0.20392	0.77054	insulin-like growth factor 2 receptor	Plasma Membrane	transmembrane receptor
3181	EMC1	-0,707	6,247	0.20428	0.77167	ER membrane protein complex subunit 1	Plasma Membrane	other
3182	SRSF9	0,473	7,119	0.2044	0.7719	serine/arginine-rich splicing factor 9	Nucleus	enzyme
3183	DNAH11	2,026	2,871	0.20454	0.77203	dynein, axonemal, heavy chain 11	Cytoplasm	enzyme
3184	RPL13P5	1,756	1,981	0.20521	0.77203	ribosomal protein L13 pseudogene 5	Other	other
3185	PLXNB2	1,698	3,876	0.2048	0.77203	plexin B2	Plasma Membrane	transmembrane receptor
3186	MATN1-AS	1,338	3,339	0.20518	0.77203	MATN1 antisense RNA 1	Other	other
3187	UTP6	-0,584	6,840	0.20504	0.77203	UTP6, small subunit (SSU) processome component, homolog (yeast)	Nucleus	other
3188	EXOSC10	-0,600	7,095	0.20498	0.77203	exosome component 10	Nucleus	kinase
3189	MIT1	-0,792	5,610	0.20474	0.77203	mitosis 1	Cytoplasm	enzyme
3190	CNN3	-0,828	5,013	0.20511	0.77203	calponin 3, acidic	Cytoplasm	other
3191	SRRD	-0,870	5,082	0.20509	0.77203	SRR1 domain containing	Other	other
3192	RCC2	-0,952	4,982	0.20496	0.77203	regulator of chromosome condensation 2	Nucleus	other
3193	RCAN1	-1,114	4,554	0.205	0.77203	regulator of calcineurin 1	Nucleus	transcription regulator
3194	YBX1P6	-1,797	2,329	0.20468	0.77203	Y box binding protein 1 pseudogene 6	Other	other
3195	FBXL3	0,434	7,626	0.20545	0.77271	F-box and leucine-rich repeat protein 3	Nucleus	enzyme
3196	LDHAP5	0,844	5,015	0.20587	0.77402	lactate dehydrogenase A pseudogene 5	Other	other
3197	ZNF585B	-0,959	5,461	0.20599	0.77414	zinc finger protein 585B	Nucleus	other
3198	PNPLA4	-1,464	3,637	0.20603	0.77414	patatin-like phospholipase domain containing 4	Cytoplasm	enzyme
3199	HMGNS	2,188	1,938	0.20723	0.77671	high mobility group nucleosome binding domain 5	Nucleus	transcription regulator
3200	C21orf49	1,901	3,023	0.20718	0.77671	C21orf49 antisense RNA 1	Other	other
3201	STOML1	1,785	2,723	0.20952	0.77671	stomatilin (EPH2)-like 1	Other	other
3202	ARHGEF40	1,766	2,380	0.20777	0.77671	Rho guanine nucleotide exchange factor (GEF) 40	Other	other
3203	TMEM238	1,376	2,920	0.20814	0.77671	transmembrane protein 238	Other	other
3204	MMAA	1,351	4,499	0.20892	0.77671	methylmalonic aciduria (cobalamin deficiency) cblA type	Cytoplasm	other
3205	ZNF711	1,228	4,462	0.20805	0.77671	zinc finger protein 711	Nucleus	other
3206	FAM89B	1,145	3,888	0.20963	0.77671	family with sequence similarity 89, member 8	Cytoplasm	other
3207	ZNF669	1,114	4,943	0.20734	0.77671	zinc finger protein 669	Other	other
3208	SKIY2L	1,110	4,708	0.20919	0.77671	superkiller viralicidal activity 2-like (S. cerevisiae)	Nucleus	enzyme
3209	ANO10	0,991	4,805	0.20971	0.77671	anoctamin 10	Plasma Membrane	ion channel
3210	GHRLOS2	0,960	4,773	0.2068	0.77671	long intergenic non-protein coding RNA 852	Other	other
3211	SLCA1A1	0,912	5,369	0.20949	0.77671	solute carrier family 11 (inorganic transporter), member 1	Plasma Membrane	transporter
3212	ABHD4B	0,852	5,903	0.20714	0.77671	abhydrolase domain containing 14B	Cytoplasm	enzyme
3213	CANX3	0,804	5,226	0.20976	0.77671	intercellular adhesion molecule 3	Plasma Membrane	transmembrane receptor
3214	TRIM25	0,795	5,150	0.20898	0.77671	tripartite motif containing 25	Cytoplasm	transcription regulator
3215	ZSCAN30	0,754	5,907	0.20864	0.77671	zinc finger and SCAN domain containing 30	Other	other
3216	FAM46A	0,665	6,499	0.20829	0.77671	family with sequence similarity 46, member A	Other	other
3217	TSSC4	0,597	6,733	0.20878	0.77671	tumor suppressing subtransferable candidate 4	Other	other
3218	ODFZL	0,483	7,189	0.20994	0.77671	outer dense fiber of sperm tails 2-like	Cytoplasm	other
3219	FOXN2	0,472	7,358	0.20788	0.77671	forkhead box N2	Nucleus	other
3220	PPIG	0,456	7,642	0.20869	0.77671	peptidylprolyl isomerase G (cyclophilin G)	Nucleus	enzyme
3221	PSMCS	-0,412	8,293	0.20963	0.77671	proteasome (prosome, macropain) 26S subunit, ATPase, 5	Nucleus	transcription regulator
3222	ZC3H7A	-0,419	8,038	0.20793	0.77671	zinc finger CCHC-type containing 7A	Extracellular Space	other
3223	SART3	-0,444	7,771	0.20889	0.77671	squamous cell carcinoma antigen recognized by T cells 3	Nucleus	other
3224	DAP3	-0,452	7,574	0.20774	0.77671	death associated protein 3	Cytoplasm	other
3225	HMGN1	-0,457	7,294	0.20851	0.77671	high mobility group nucleosome binding domain 1	Nucleus	transcription regulator
3226	PRDX5	-0,459	7,287	0.20823	0.77671	peroxiredoxin 5	Cytoplasm	enzyme
3227	IFNGR2	-0,517	7,007	0.2069	0.77671	interferon gamma receptor 2 (interferon gamma transducer 1)	Plasma Membrane	transmembrane receptor
3228	SNRPC	-0,536	6,540	0.20753	0.77671	small nuclear ribonucleoprotein polypeptide C	Nucleus	other
3229	CRLF3	-0,547	7,340	0.20774	0.77671	cytokine receptor-like factor 3	Cytoplasm	transcription regulator
3230	SRCAP	-0,567	6,613	0.20759	0.77671	Snf2-related CREBBP activator protein	Cytoplasm	transcription regulator
3231	PLEKHA1	-0,578	7,150	0.20711	0.77671	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 1	Cytoplasm	other
3232	TIPRL	-0,585	6,521	0.20714	0.77671	TOR signaling pathway regulator	Cytoplasm	other
3233	ZMAT3	-0,634	6,331	0.20757	0.77671	zinc finger, matrix-type 3	Nucleus	other
3234	USMG5	-0,706	5,602	0.20942	0.77671	up-regulated during skeletal muscle growth 5 homolog (mouse)	Cytoplasm	other
3235	NDUFA3	-0,713	5,552	0.20959	0.77671	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 3, 9kDa	Cytoplasm	enzyme
3236	CHST12	-0,726	5,733	0.2085	0.77671	carbohydrate (chondroitin 4) sulfotransferase 12	Cytoplasm	enzyme
3237	ENPP4	-0,736	5,766	0.20892	0.77671	ectonucleotide pyrophosphatase/phosphodiesterase 4 (putative)	Cytoplasm	enzyme
3238	SPAN14	-0,745	7,353	0.20943	0.77671	tetraspanin 14	Plasma Membrane	other
3239	SFRBP1	-0,766	5,453	0.20931	0.77671	serum response factor binding protein 1	Nucleus	other
3240	CD3D	-1,010	6,480	0.20828	0.77671	CD3d molecule, delta (CD3-TCR complex)	Plasma Membrane	transmembrane receptor
3241	KIAA1524	-1,199	4,461	0.20991	0.77671	KIAA1524	Cytoplasm	other
3242	INPP5F	-1,304	4,728	0.20775	0.77671	inositol polyphosphate-5-phosphatase F	Other	phosphatase
3243	CLN6	-1,451	3,587	0.20698	0.77671	ceroid-lipofuscinosis, neuronal 6, late infantile, variant	Cytoplasm	other
3244	BASP1	-1,680	3,006	0.20804	0.77671	brain abundant, membrane attached signal protein 1	Nucleus	transcription regulator
3245	HIST1H2AC	-1,766	3,009	0.20798	0.77671	histone cluster 1, H2ac	Other	other
3246	LY96	-2,012	1,994	0.20984	0.77671	lymphocyte antigen 96	Plasma Membrane	transmembrane receptor
3247	PTGDR	-2,161	4,454	0.20897	0.77671	prostaglandin D2 receptor (DP)	Plasma Membrane	G-protein coupled receptor
3248	TUBG2	-2,458	3,822	0.20886	0.77671	tubulin, gamma 2	Cytoplasm	other
3249	PNPLA7	1,721	4,024	0.2105	0.77685	patatin-like phospholipase domain containing 7	Cytoplasm	other
3250	BICC1	1,669	2,313	0.21011	0.77685	Bicc family RNA binding protein 1	Other	other
3251	MTFPP1	1,429	2,955	0.21048	0.77685	mitochondrial fission process 1	Cytoplasm	other
3252	VASH1	1,017	4,582	0.21042	0.77685	vasohibin 1	Extracellular Space	other
3253	TNRC6B	0,482	8,468	0.21027	0.77685	trinucleotide repeat containing 6B	Other	other
3254	PPP1CA	-0,424	8,315	0.21037	0.77685	protein phosphatase 1, catalytic subunit, alpha isozyme	Cytoplasm	phosphatase
3255	ZMYM6	-0,652	6,095	0.21013	0.77685	zinc finger, MYM-type 6	Nucleus	other
3256	HMG20B	-0,805	5,899	0.21049	0.77685	high mobility group 20B	Nucleus	transcription regulator
3257	AKRIN2	-0,611	6,247	0.21057	0.77688	akirin 2	Nucleus	other
3258	ATL3	-0,521	7,369	0.21067	0.77701	atlastin GTPase 3	Cytoplasm	other
3259	VAC14	0,662	6,019	0.21119	0.77826	Vac14 homolog (S. cerevisiae)	Cytoplasm	other
3260	GOLPH3	0,474	7,330	0.21133	0.77826	golgi phosphoprotein 3 (coat-protein)	Cytoplasm	other
3261	IPD5	-0,479	7,746	0.21108	0.77826	insulin 5	Nucleus	transporter
3262	ZNF7	-0,690	6,911	0.21133	0.77826	zinc finger protein 7	Nucleus	other
3263	TAX1BP3	-1,682	2,097	0.21124	0.77826	Tax1 (human T-cell leukemia virus type I) binding protein 3	Cytoplasm	transcription regulator
3264	TPK1	1,046	5,066	0.21201	0.7789	thiamin pyrophosphokinase 1	Cytoplasm	kinase
3265	RANBP6	0,519	6,749	0.21198	0.7789	RAN binding protein 6	Cytoplasm	other
3266	PRPF39	0,456	7,522	0.2118	0.7789	pre-mRNA processing factor 39	Nucleus	other
3267	MAGED2	-0,435	8,745	0.2116	0.7789	melanoma antigen family D2	Plasma Membrane	other
3268	DAD1	-0,445	7,510	0.21207	0.7789	defender against cell death 1	Cytoplasm	other
3269	MKI67IP	-0,582	6,191	0.21186	0.7789	nucleolar protein interacting with the FHA domain of MKi67	Nucleus	other
3270	NEU3	-0,803	5,169	0.21209	0.7789	sialidase 3 (membrane sialidase)	Plasma Membrane	enzyme
3271	MDGA1	-1,413	3,934	0.21192	0.7789	MAM domain containing glycosylphosphatidylinositol anchor 1	Plasma Membrane	other
3272	SUMO2P6	-1,915	1,905	0.21187	0.7789	SUMO2 pseudogene 6	Other	other
3273	AUDT13	1,391	3,339	0.21232	0.77895	advis nucleoside diphosphate linked moiety XJ-type motif 13	Cytoplasm	other
3274	WARS2	1,012	4,829	0.21272	0.77895	tryptophanyl tRNA synthetase 2, mitochondrial	Cytoplasm	enzyme
3275	CNOT3	0,910	4,734	0.21265	0.77895	CCR4-NOT transcription complex, subunit 3	Cytoplasm	other
3276	BBS4	0,679	6,140	0.21268	0.77895	Bardet-Biedl syndrome 4	Cytoplasm	other
3277	UBA6	-0,550	7,442	0.21271	0.77895	ubiquitin-like modifier activating enzyme 6	Cytoplasm	enzyme
3278	KLHDC10	-0,713	5,735	0.21233	0.77895	kelch domain containing 10	Other	other
3279	VPS25	-0,742	5,930	0.21272	0.77895	vacuolar protein sorting 25 homolog (S. cerevisiae)	Cytoplasm	other
3280	ZNF235	-0,901	5,550	0.21261	0.77895	zinc finger protein 235	Nucleus	other
3281	LETM1	-1,279	4,248	0.2123	0.77895	leucine zipper-EF-hand containing transmembrane protein 1	Cytoplasm	other
3282	BTNZ3AP	-1,459	3,492	0.21275	0.77895	butyrophilin, subfamily 2, member A3, pseudogene	Other	other
3283	ZNF554	1,775	3,697	0.21291	0.77928	zinc finger protein 554	Other	other
3284	ZNF837	2,459	2,677	0.21306	0.7796	zinc finger protein 837	Other	other
3285	MAG3	-1,566	3,894	0.21314	0.77965	membrane associated guanylate kinase, WW and PDZ domain containing 3	Cytoplasm	kinase
3286	SLC35A4A	-0,913	5,548	0.21347	0.78023	solute carrier family 35, member 4A	Cytoplasm	transporter
3287	FAM173B	-1,088	4,399	0.21349	0.78023	family with sequence similarity 173, member 8	Other	other
3288	GPSM1	-1,327	3,582	0.21347	0.78023	G-protein signaling modulator 1	Cytoplasm	other
3289	FAM126B	0,550	6,765	0.21385	0.78083	family with sequence similarity 126, member 8	Other	other
3290	STGALNA4	0,542	6,786	0.21379	0.78083	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetyl-galactosaminide alpha-2,6-sialyltransferase 6	Cytoplasm	enzyme
3291	TTCH	-1,210	3,906	0.21375	0.78083	tetratricopeptide repeat domain 8	Cytoplasm	other
3292	KDEL1	0,911	5,353	0.21406	0.78135	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 1	Cytoplasm	transporter
3293	ELMOD3	-0,613	6,800	0.21421	0.78167	ELMO/CEED-12 domain containing 3	Other	other
3294	GSTZ1	-1,307	3,299	0.21457	0.78276	glutathione S-transferase zeta 1	Cytoplasm	enzyme
3295	PDCD4	0,403	9,730	0.21472	0.78282	programmed cell death 4 (neoplastic transformation inhibitor)	Nucleus	other
3296	ATP2C1	-0,735	6,696	0.21471	0.78282	ATPase, Ca		

3300	MMS22L	0.880	5.047	0.2154	0.78435	MMS22-like, DNA repair protein	Nucleus	other
3301	LACE1	1.912	3.479	0.21688	0.78449	lactation elevated 1	Cytoplasm	other
3302	PLEKHA5	0.957	5.591	0.21569	0.78449	pleckstrin homology domain containing, family A member 5	Cytoplasm	other
3303	KLF9	0.809	5.483	0.2168	0.78449	Kruppel-like factor 9	Nucleus	transcription regulator
3304	STAU2	0.781	5.486	0.21694	0.78449	staufen double-stranded RNA binding protein 2	Cytoplasm	other
3305	FAF1	0.766	5.840	0.21638	0.78449	Fas (TNFRSF6) associated factor 1	Nucleus	other
3306	FAM108A	0.602	6.182	0.21616	0.78449	family with sequence similarity 104, member A	Other	other
3307	CRYL1	0.557	7.194	0.21678	0.78449	crystallin, zeta (quinone reductase)-like 1	Cytoplasm	enzyme
3308	RSAD1	0.534	6.799	0.21579	0.78449	radical S-adenosyl methionine domain containing 1	Cytoplasm	other
3309	DCP2	0.434	7.592	0.21658	0.78449	decapping mRNA 2	Nucleus	enzyme
3310	GNAI2	0.401	8.387	0.21628	0.78449	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	Plasma Membrane	other
3311	NDUFS2	-0.428	7.918	0.21668	0.78449	NADH dehydrogenase (ubiquinone) Fe-S protein 2, 49kDa (NADH-coenzyme Q reductase)	Cytoplasm	enzyme
3312	VAMP2	-0.566	7.067	0.2163	0.78449	vesicle-associated membrane protein 2 (synaptobrevin 2)	Plasma Membrane	other
3313	TMEM5	-0.610	6.048	0.21576	0.78449	transmembrane protein 5	Plasma Membrane	other
3314	LRPPRC	-0.616	6.809	0.21682	0.78449	leucine-rich pentatricopeptide repeat containing	Cytoplasm	other
3315	TDG	-0.724	5.633	0.21604	0.78449	thymine-DNA glycosylase	Nucleus	enzyme
3316	C3orf62	-0.726	5.438	0.21643	0.78449	chromosome 3 open reading frame 62	Other	other
3317	EXOC6	-0.729	5.503	0.21701	0.78449	exocyst complex component 6	Plasma Membrane	transporter
3318	RALB	-0.873	6.517	0.21691	0.78449	v-ral simian leukemia viral oncogene homolog B	Cytoplasm	enzyme
3319	NDUFA11	-0.950	4.607	0.21593	0.78449	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 11, 14.7kDa	Cytoplasm	enzyme
3320	ATXN7L3	-1.094	4.663	0.21666	0.78449	ataxin 7-like 3	Nucleus	transcription regulator
3321	PECAM1	-1.287	4.552	0.2162	0.78449	platelet/endothelial cell adhesion molecule 1	Plasma Membrane	other
3322	TMEM88	-1.372	4.657	0.21562	0.78449	transmembrane protein 88	Plasma Membrane	other
3323	SEC14L1P1	-1.532	4.334	0.2162	0.78449	SEC14-like 1 pseudogene 1	Other	other
3324	CLDN7	-2.137	2.050	0.21689	0.78449	claudin 7	Plasma Membrane	other
3325	ITPRIP	0.886	4.863	0.21725	0.78489	inositol 1,4,5-trisphosphate receptor interacting protein	Extracellular Space	other
3326	MLL3	0.401	8.940	0.21731	0.78489	lysine (K)-specific methyltransferase 2C	Nucleus	transcription regulator
3327	NARS2	-0.933	4.989	0.2172	0.78489	asparaginyl-tRNA synthetase 2, mitochondrial (putative)	Cytoplasm	enzyme
3328	SNHG9	1.146	3.785	0.21799	0.78502	small nucleolar RNA host gene 9	Other	other
3329	ASB3	1.119	4.307	0.21796	0.78502	ankyrin repeat and SOCS box containing 3	Cytoplasm	transcription regulator
3330	TPRA1	0.680	5.993	0.21813	0.78502	transmembrane protein, adipocyte associated 1	Plasma Membrane	G-protein coupled receptor
3331	PFOS	0.653	6.471	0.21774	0.78502	holopolyglutamate synthase	Cytoplasm	enzyme
3332	CDKN2AIP	0.555	6.485	0.21758	0.78502	CDKN2A interacting protein	Nucleus	transcription regulator
3333	ASH1L	0.437	8.948	0.21798	0.78502	ash1 (absent, small, or homeotic)-like (Drosophila)	Nucleus	transcription regulator
3334	FMNL3	-0.562	6.609	0.21764	0.78502	formin-like 3	Cytoplasm	other
3335	LAMTOR2	-0.696	5.664	0.21798	0.78502	late endosomal/lysosomal adaptor, MAPK and MTOR activator 2	Cytoplasm	other
3336	GTF3C6	-0.776	5.384	0.21803	0.78502	general transcription factor IIC, polypeptide 6, alpha 35kDa	Nucleus	transcription regulator
3337	MUTYH	-0.895	6.490	0.21759	0.78502	mutY homolog	Nucleus	enzyme
3338	GM2A	-1.122	4.258	0.21813	0.78502	GM2 ganglioside activator	Cytoplasm	enzyme
3339	TCEB1P2	-1.662	2.612	0.21784	0.78502	transcription elongation factor B (SII), polypeptide 1, pseudogene 2	Other	other
3340	CCDC85B	0.638	6.027	0.21863	0.78563	coiled-coil domain containing 85B	Cytoplasm	other
3341	RNF19A	0.492	7.887	0.21881	0.78563	ring finger protein 19A, RBR E3 ubiquitin protein ligase	Nucleus	enzyme
3342	SAMD9	-0.418	7.977	0.21859	0.78563	sterile alpha motif domain containing 9	Cytoplasm	other
3343	AMFR	-0.533	6.845	0.21888	0.78563	autocrine motility factor receptor, E3 ubiquitin protein ligase	Plasma Membrane	transmembrane receptor
3344	FAS	-0.643	6.585	0.21877	0.78563	Fas cell surface death receptor	Plasma Membrane	transmembrane receptor
3345	FLCN	-0.959	5.246	0.21883	0.78563	folliculin	Cytoplasm	other
3346	EFCA13	-1.194	4.489	0.2185	0.78563	EF-hand calcium binding domain 13	Nucleus	other
3347	THOC3	-1.228	3.369	0.21862	0.78563	THO complex 3	Nucleus	other
3348	NAA15	-0.541	7.111	0.21889	0.78564	N[alpha]-acetyltransferase 15, NatA auxiliary subunit	Nucleus	transcription regulator
3349	ALOX5	1.207	4.771	0.21914	0.78579	arachidonate 5-lipoxygenase	Cytoplasm	enzyme
3350	ZFP161	0.682	5.666	0.21909	0.78579	zinc finger and BTB domain containing 14	Nucleus	transcription regulator
3351	ME2	-0.496	7.017	0.21912	0.78579	malic enzyme 2, NAD(+)-dependent, mitochondrial	Cytoplasm	enzyme
3352	TNPO1	-0.539	6.780	0.2192	0.78579	transportin 1	Nucleus	transporter
3353	NUP62	-0.473	7.335	0.21932	0.78601	nucleoporin 62kDa	Nucleus	transporter
3354	CDK2	1.209	3.940	0.21945	0.78623	cyclin-dependent kinase 2	Nucleus	kinase
3355	GUCY1A18	-2.163	2.060	0.21956	0.7864	guanylate cyclase activator 18 (retina)	Cytoplasm	other
3356	NAF1	1.164	4.303	0.22036	0.78674	nuclear assembly factor 1, ribonucleoprotein	Cytoplasm	other
3357	GNAI1	1.131	4.559	0.22018	0.78674	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1	Plasma Membrane	enzyme
3358	AMBR1A1	0.747	5.690	0.21985	0.78674	autophagy/beclin-1 regulator 1	Cytoplasm	other
3359	ZNF548	0.659	6.930	0.21999	0.78674	zinc finger protein 548	Other	other
3360	UPP1	0.522	7.448	0.2202	0.78674	uridine phosphorylase 1	Cytoplasm	enzyme
3361	KAT6B	0.482	7.660	0.22009	0.78674	K[tyrosine] acetyltransferase 6B	Nucleus	enzyme
3362	PUM2	0.406	8.474	0.22008	0.78674	pumilio RNA-binding family member 2	Cytoplasm	other
3363	AKT1	-0.568	7.118	0.22029	0.78674	v-akt murine thymoma viral oncogene homolog 1	Cytoplasm	kinase
3364	DNAH1	-0.805	5.295	0.22016	0.78674	dynein, axonemal, heavy chain 1	Extracellular Space	other
3365	EFNA4	-1.831	2.970	0.22038	0.78674	ephrin-A4	Plasma Membrane	kinase
3366	CCDC149	-2.044	2.551	0.21979	0.78674	coiled-coil domain containing 149	Other	other
3367	ZNF485	1.523	3.568	0.22059	0.78701	zinc finger protein 485	Nucleus	other
3368	SCAF8	0.624	6.218	0.22053	0.78701	SR-related CTD-associated factor 8	Nucleus	other
3369	SNX27	0.521	6.849	0.22084	0.78725	sorting nexin family member 27	Cytoplasm	other
3370	RAGA	-0.534	6.610	0.22085	0.78725	Ras-related GTP binding A	Cytoplasm	enzyme
3371	IRF2BPL	-0.994	4.539	0.22079	0.78725	interferon regulatory factor 2 binding protein-like	Nucleus	other
3372	AURKC	1.914	2.148	0.22143	0.78744	aurora kinase C	Nucleus	kinase
3373	TMEM198B	1.310	4.349	0.22138	0.78744	transmembrane protein 198B, pseudogene	Other	other
3374	NUDT14	1.080	4.197	0.22108	0.78744	nudix (nucleoside diphosphate linked moiety X)-type motif 14	Cytoplasm	phosphatase
3375	TRMT61B	0.896	5.124	0.22136	0.78744	tRNA methyltransferase 61B	Cytoplasm	enzyme
3376	ZBTB2	0.483	7.115	0.22131	0.78744	zinc finger and BTB domain containing 2	Nucleus	enzyme
3377	ARFGF1	0.453	7.493	0.22107	0.78744	ADP-ribosylation factor guanine nucleotide-exchange factor 1 (brefeldin A-inhibited)	Cytoplasm	other
3378	UBE2F	-0.907	4.806	0.22134	0.78744	ubiquitin-conjugating enzyme E2F (putative)	Cytoplasm	enzyme
3379	PDE4A	-1.075	5.228	0.2212	0.78744	phosphodiesterase 4A, cAMP-specific	Cytoplasm	enzyme
3380	ELL	0.834	5.187	0.22153	0.78746	elongation factor RNA polymerase II	Nucleus	transcription regulator
3381	KSR1	-1.305	4.207	0.22156	0.78746	kinase suppressor of ras 1	Cytoplasm	kinase
3382	C9orf172	2.237	1.880	0.22181	0.78774	chromosome 9 open reading frame 172	Other	other
3383	DTWD2	1.916	2.732	0.22183	0.78774	DTW domain containing 2	Other	other
3384	OPN1SW	1.501	2.819	0.22185	0.78774	opsin 1 (cone pigments), short-wave-sensitive	Plasma Membrane	G-protein coupled receptor
3385	CEP57L1	1.035	4.374	0.2219	0.78774	centrosomal protein 57kDa-like 1	Other	other
3386	MFSD4	1.832	3.038	0.22211	0.78824	major facilitator superfamily domain containing 4	Other	other
3387	GTF2E1	-1.011	4.512	0.22222	0.7884	general transcription factor IIE, polypeptide 1, alpha 56kDa	Nucleus	transcription regulator
3388	PHB2	-0.434	7.394	0.22237	0.78847	prohibitin 2	Cytoplasm	transcription regulator
3389	ARMCX3	-0.470	7.134	0.22232	0.78847	armadillo repeat containing, X-linked 3	Cytoplasm	other
3390	ARRDC5	-1.329	3.982	0.22252	0.78876	arrestin domain containing 5	Other	other
3391	SLC5A6	-0.902	5.803	0.22266	0.78904	solute carrier family 5 (sodium/multivitamin and iodide cotransporter), member 6	Plasma Membrane	transporter
3392	KCNCA	1.142	3.759	0.22278	0.78923	potassium channel, voltage gated Shaw related subfamily C, member 4	Plasma Membrane	ion channel
3393	C7orf31	-1.579	3.758	0.22287	0.78929	chromosome 7 open reading frame 31	Cytoplasm	transporter
3394	PIAKB	0.607	7.040	0.22307	0.78933	phosphatidylinositol 4-kinase, catalytic, beta	Cytoplasm	kinase
3395	ZNF195	0.558	6.676	0.22296	0.78933	zinc finger protein 195	Nucleus	other
3396	LYRM2	-0.486	6.871	0.22303	0.78933	LVR motif containing 2	Cytoplasm	other
3397	CDBB	-1.294	5.308	0.22319	0.78951	CD8b molecule	Plasma Membrane	other
3398	RTCA	-0.594	6.231	0.22334	0.78979	RNA 3'-terminal phosphate cyclase	Nucleus	enzyme
3399	POLR2B	-0.434	8.110	0.22349	0.78986	polymerase (RNA) II (DNA directed) polypeptide B, 140kDa	Nucleus	enzyme
3400	POR	-0.649	6.768	0.22348	0.78986	P450 (cytochrome) oxidoreductase	Cytoplasm	enzyme
3401	MADD	0.576	7.124	0.22367	0.79001	MAP-kinase activating death domain	Cytoplasm	other
3402	TOR1AIP1	0.474	7.841	0.22399	0.79001	torin A interacting protein 1	Nucleus	other
3403	DGUOK	-0.474	6.911	0.22381	0.79001	deoxyguanosine kinase	Cytoplasm	kinase
3404	RINT1	-0.636	6.457	0.22398	0.79001	RAD50 interactor 1	Nucleus	other
3405	RNF216P1	-0.670	5.965	0.22364	0.79001	ring finger protein 216 pseudogene 1	Other	other
3406	FAM89A	-1.165	3.907	0.22399	0.79001	family with sequence similarity 89, member A	Other	other
3407	VMAC	-1.900	2.921	0.22393	0.79001	vimentin-type intermediate filament associated coiled-coil protein	Cytoplasm	other
3408	NBEA	1.182	4.034	0.22407	0.79005	neurobeachin	Cytoplasm	other
3409	TIPARP-AS1	2.304	2.339	0.22511	0.79117	TIPARP antisense RNA 1	Other	other
3410	PHLDB3	1.573	3.094	0.22459	0.79117	pleckstrin homology-like domain, family 8, member 3	Other	other
3411	P4HA2	1.269	3.547	0.22459	0.79117	prolyl 4-hydroxylase, alpha polypeptide II	Cytoplasm	transporter
3412	DBP	1.054	4.282	0.22476	0.79117	D site of albumin promoter (albumin D-box) binding protein	Nucleus	transcription regulator
3413	NELF	1.053	5.817	0.22468	0.79117	NMDA receptor synaptonuclear signaling and neuronal migration factor	Extracellular Space	other
3414	BDH2	0.866	4.917	0.22487	0.79117	3-hydroxybutyrate dehydrogenase, type 2	Cytoplasm	enzyme
3415	TBRG1	0.483	7.344	0.22505	0.79117	transforming growth factor beta regulator 1	Nucleus	other
3416	SPTLC1	-0.688	6.062	0.22489	0.79117	serine palmitoyltransferase, long chain base subunit 1	Cytoplasm	enzyme
3417	PFON2	-0.778	5.428	0.22494	0.79117	perforin subunit 2	Cytoplasm	other
3418	WDR77	-0.917	5.570	0.22509	0.79117	WD repeat domain 77	Nucleus	transcription regulator
3419	ILK	-1.084	4.413	0.22471	0.79117	integrin-linked kinase	Plasma Membrane	kinase
3420	ZNF525	0.818	5.119	0.22521	0.79129	zinc finger protein 525	Nucleus	other
3421	RCSO1	0.552	7.736	0.22554	0.79149	RCSO domain containing 1	Other	other
3422	CD70	-1.722	2.483	0.22538	0.79149	CD70 molecule	Extracellular Space	cytokine
3423	ARL17B	1.663	2.367	0.2257	0.79201	ADP-ribosylation factor-like 17A	Other	other
3424	CBFB	-0.467	7.682	0.22577	0.79201	core-binding factor, beta subunit	Nucleus	transcription regulator
3425	ARMC1	-0.586	6.551	0.22581	0.79201	armadillo repeat containing 1	Cytoplasm	other
3426	ASPSR1	-0.901	4.997	0.22558	0.79201	alveolar soft part sarcoma chromosome region, candidate 1	Cytoplasm	other
3427	CEP350	0.428	8.510	0.2263	0.79267	centrosomal protein 350kDa	Cytoplasm	other
3428	MRPL37	-0.470	6.947	0.22635	0.79267	mitochondrial ribosomal protein L37	Cytoplasm	enzyme

3432	TMEM1616	-0.936	5.519	0.22631	0.79267	TMEM1618 antisense RNA 1	Other	other
3433	MBD5	0.928	4.550	0.22661	0.79269	methyl-CpG binding domain protein 5	Nucleus	other
3434	MAP2K5	0.801	5.418	0.22666	0.79269	mitogen-activated protein kinase kinase 5	Cytoplasm	kinase
3435	CLASP1	-0.550	7.353	0.22666	0.79269	cytoplasmic linker associated protein 1	Cytoplasm	other
3436	BRD3	-0.628	6.268	0.2265	0.79269	bromodomain containing 3	Nucleus	kinase
3437	DTD1	0.740	6.033	0.22712	0.79336	D-tyrosyl-tRNA decacylase 1	Cytoplasm	enzyme
3438	WDR48	0.471	7.505	0.22713	0.79336	WD repeat domain 48	Cytoplasm	other
3439	GDI1	-0.517	6.555	0.22725	0.79336	phosphatidylinositol phosphodiesterase 1	Plasma Membrane	enzyme
3440	RBMA2	-0.584	6.306	0.22694	0.79336	RNA binding motif protein 42	Other	other
3441	NME6	-0.682	5.955	0.22711	0.79336	NME/NM23 nucleoside diphosphate kinase 6	Cytoplasm	kinase
3442	CENPJ	-0.901	5.260	0.2272	0.79336	centromere protein J	Nucleus	transcription regulator
3443	MINA	-0.723	5.671	0.22745	0.79358	MYC induced nuclear antigen	Nucleus	other
3444	MMD	-0.780	5.153	0.22743	0.79358	monocyte to macrophage differentiation-associated	Plasma Membrane	kinase
3445	C6orf228	-1.011	4.393	0.22751	0.79358	small integral membrane protein 13	Other	other
3446	CLU	1.222	3.818	0.22788	0.79369	clusterin	Cytoplasm	other
3447	SPEF2	0.725	5.494	0.22784	0.79369	sperm flagellar 2	Other	other
3448	UBE2L3	-0.471	6.966	0.22788	0.79369	ubiquitin-conjugating enzyme E2L3	Nucleus	enzyme
3449	MAP4K4	-0.486	7.872	0.22792	0.79369	mitogen-activated protein kinase kinase kinase 4	Cytoplasm	kinase
3450	MANEA	-0.841	5.707	0.22794	0.79369	mannosidase, endo-alpha	Cytoplasm	enzyme
3451	BMPR1A	-1.874	3.412	0.22793	0.79369	bone morphogenetic protein receptor, type IA	Plasma Membrane	kinase
3452	TCEA2	1.097	4.770	0.22842	0.79403	transcription elongation factor A (SII), 2	Nucleus	transcription regulator
3453	ARID2	0.444	7.810	0.22854	0.79403	AT rich interactive domain 2 (ARID, RFX-like)	Nucleus	transcription regulator
3454	NGG5	-0.567	6.234	0.22832	0.79403	guanine nucleotide binding protein (G protein), gamma 5	Plasma Membrane	other
3455	OCTN4	-0.582	6.517	0.22856	0.79403	dyxactin 4 (p62)	Nucleus	other
3456	SEPHS2	-0.604	6.311	0.22845	0.79403	selenophosphate synthetase 2	Other	enzyme
3457	FCHSD1	-1.263	4.350	0.22816	0.79403	FCH and double SH3 domains 1	Other	other
3458	RAVER1	-1.627	2.728	0.22836	0.79403	ribonucleoprotein, PTB-binding 1	Nucleus	other
3459	C1orf200	-1.657	3.426	0.22828	0.79403	PIK3CD antisense RNA 1	Other	other
3460	STK38L	0.838	5.159	0.22871	0.79407	serine/threonine kinase 38 like	Cytoplasm	kinase
3461	C17orf67	-1.128	4.073	0.22871	0.79407	chromosome 17 open reading frame 67	Other	other
3462	LIPE	1.540	2.628	0.22886	0.79439	lipase, hormone-sensitive	Cytoplasm	enzyme
3463	ZF3B1	0.372	10.384	0.22907	0.79439	splicing factor 3b, subunit 1, 155kDa	Nucleus	other
3464	RFK5	-0.844	6.003	0.22894	0.79439	regulatory factor X, 5 (influences HLA class II expression)	Nucleus	transcription regulator
3465	CYB561D1	-1.192	4.751	0.22902	0.79439	cytochrome b561 family, member D1	Other	other
3466	PTPRJ	-2.172	3.646	0.2292	0.79462	protein tyrosine phosphatase, receptor type, J	Plasma Membrane	phosphatase
3467	FUCA1	-1.158	5.385	0.22946	0.79531	fucosidase, alpha-L-1, tissue	Cytoplasm	enzyme
3468	C19orf76	2.237	2.713	0.22991	0.79629	adrenomedullin 5 (putative)	Other	other
3469	C12orf49	0.772	5.676	0.23	0.79629	chromosome 12 open reading frame 49	Other	other
3470	CDB1	-0.666	5.671	0.22991	0.79629	CDB1 molecule	Plasma Membrane	other
3471	TMOD1	-1.721	2.617	0.23001	0.79629	tropomodulin 1	Cytoplasm	enzyme
3472	FAM153C	1.897	1.957	0.23023	0.79659	family with sequence similarity 153, member C, pseudogene	Other	other
3473	CIRBP-AS1	1.306	4.032	0.2304	0.79659	CIRBP antisense RNA 1	Other	other
3474	ZNF573	0.687	6.106	0.23036	0.79659	zinc finger protein 573	Nucleus	other
3475	EFFA1	0.406	7.842	0.23049	0.79659	eukaryotic translation elongation factor 1 alpha 1	Cytoplasm	translation regulator
3476	POLDIP3	-0.429	7.621	0.23046	0.79659	polymerase (DNA-directed), delta interacting protein 3	Nucleus	other
3477	OIP5-AS1	-0.462	7.619	0.23027	0.79659	OIP5 antisense RNA 1	Other	other
3478	SGGP1	-1.108	5.092	0.23065	0.79669	sphingosine-1-phosphate phosphatase 1	Cytoplasm	phosphatase
3479	IDJ2-AS1	-2.170	2.250	0.23064	0.79669	IDJ2 antisense RNA 1	Other	other
3480	NCEH1	-1.593	3.014	0.23079	0.79669	neutral cholesterol ester hydrolase 1	Plasma Membrane	enzyme
3481	SORBS1	-1.765	3.738	0.23076	0.79669	sortin and SH3 domain containing 1	Plasma Membrane	other
3482	HACE1	1.112	5.315	0.23127	0.79744	HECT domain and ankyrin repeat containing E3 ubiquitin protein ligase 1	Cytoplasm	enzyme
3483	CEP170	0.773	5.345	0.23123	0.79744	centrosomal protein 170kDa	Nucleus	other
3484	RAB11A	-0.449	7.174	0.23131	0.79744	RAB11A, member RAS oncogene family	Cytoplasm	enzyme
3485	AK2	-0.577	6.723	0.2313	0.79744	adenylate kinase 2	Cytoplasm	kinase
3486	RNF198	-1.217	6.287	0.23134	0.79744	ring finger protein 198	Cytoplasm	other
3487	TMEM170B	1.427	3.567	0.23144	0.79756	transmembrane protein 170B	Other	other
3488	C3orf26	-1.075	4.401	0.23155	0.79771	cmr1 ribosomal small subunit homolog (yeast)	Other	other
3489	EPN1	2.206	3.217	0.23175	0.79781	ephrin-A1	Plasma Membrane	other
3490	ANAPC11	-0.571	6.375	0.23178	0.79781	anaphase promoting complex subunit 11	Cytoplasm	enzyme
3491	ERAP2	-0.619	8.218	0.23168	0.79781	endoplasmic reticulum aminopeptidase 2	Cytoplasm	peptidase
3492	MAT2B	-0.392	8.643	0.23193	0.7981	methionine adenosyltransferase II, beta	Cytoplasm	enzyme
3493	C19orf48	0.573	6.183	0.23211	0.79813	chromosome 19 open reading frame 48	Other	other
3494	HSPA1L	-0.861	4.981	0.23212	0.79813	heat shock 70kDa protein 1-like	Cytoplasm	other
3495	GRAMD1B	-1.399	3.772	0.23214	0.79813	GRAM domain containing 1B	Other	other
3496	PACS1	0.504	6.832	0.2323	0.79847	phosphofurin acidic cluster sorting protein 1	Cytoplasm	other
3497	ASTN2	2.205	2.401	0.23242	0.79865	astrotactin 2	Cytoplasm	other
3498	ECO	0.618	7.078	0.23251	0.79874	ecdysoneless homolog (Drosophila)	Nucleus	transcription regulator
3499	XPA	0.703	5.739	0.23293	0.79967	xeroderma pigmentosum, complementation group A	Nucleus	other
3500	KDM6B	-0.591	6.250	0.23298	0.79967	lysine (K)-specific demethylase 6B	Extracellular Space	other
3501	LRRIC42	-1.267	4.651	0.23292	0.79967	leucine rich repeat containing 42	Other	other
3502	OXLD1	-0.623	6.064	0.23306	0.79969	oxaloductase-like domain containing 1	Cytoplasm	other
3503	SAR1B	-0.427	7.842	0.23318	0.79991	secretion associated, Ras related GTPase 1B	Cytoplasm	enzyme
3504	ACVR2A	0.719	5.748	0.23338	0.80016	activin A receptor, type IIA	Plasma Membrane	kinase
3505	ARHGEF5	-2.067	2.395	0.23339	0.80016	Rho guanine nucleotide exchange factor (GEF) 5	Cytoplasm	other
3506	PAPSS1	0.518	7.131	0.23352	0.8003	3'-phosphoadenosine 5'-phosphosulfate synthase 1	Cytoplasm	enzyme
3507	WHSC2	-0.772	5.550	0.23356	0.8003	negative elongation factor complex member A	Nucleus	other
3508	NDUFB5	-0.552	6.499	0.23386	0.80079	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16kDa	Cytoplasm	enzyme
3509	SNRPD1	-0.624	6.024	0.23386	0.80079	small nuclear ribonucleoprotein D1 polypeptide 16kDa	Nucleus	other
3510	SYMPK	-1.069	5.053	0.23391	0.80079	sympkin	Cytoplasm	other
3511	RPL22L1	0.807	5.239	0.23401	0.80091	ribosomal protein L22-like 1	Other	other
3512	DENND2C	1.709	2.711	0.23446	0.80172	DENN/MADD domain containing 2C	Other	other
3513	CBX7	-0.627	5.983	0.23451	0.80172	chromobox homolog 7	Other	other
3514	CUAP1	-0.759	5.803	0.23442	0.80172	clusterin associated protein 1	Nucleus	other
3515	SLC38A9	-0.820	5.457	0.23432	0.80172	solute carrier family 38, member 9	Extracellular Space	transporter
3516	PHF21A	0.647	6.230	0.23461	0.80184	PHD finger protein 21A	Nucleus	other
3517	ORC4	0.629	6.576	0.23475	0.80202	origin recognition complex, subunit 4	Nucleus	other
3518	TFE3	-0.659	5.614	0.2348	0.80202	transcription factor binding to IGHM enhancer 3	Nucleus	transcription regulator
3519	MTR	0.570	7.700	0.23487	0.80203	5-methyltetrahydrofolate-homocysteine methyltransferase	Cytoplasm	enzyme
3520	ABR	0.759	5.925	0.23529	0.80278	active BCR-related	Cytoplasm	other
3521	OGT	0.392	9.073	0.23517	0.80278	O-linked N-acetylglucosamine (GlcNAc) transferase	Cytoplasm	enzyme
3522	CD151	-1.056	4.901	0.23527	0.80278	CD151 molecule (Raph blood group)	Plasma Membrane	other
3523	ZNF599	-1.165	3.956	0.23553	0.80336	zinc finger protein 599	Other	other
3524	MBR2	1.107	4.885	0.2356	0.80337	zinc finger E-box binding homeobox 2	Nucleus	transcription regulator
3525	PSMD6	-0.404	8.011	0.23599	0.80393	proteasome (prosome, macropain) 26S subunit, non-ATPase, 6	Cytoplasm	enzyme
3526	ACSL5	-0.647	6.366	0.23603	0.80393	acyl-CoA synthetase long-chain family member 5	Cytoplasm	enzyme
3527	MED12	-0.709	5.578	0.23586	0.80393	mediator complex subunit 12	Nucleus	transcription regulator
3528	GUSBP4	-0.919	4.730	0.23596	0.80393	glucuronidase, beta pseudogene 4	Other	other
3529	PDPDF	-1.090	3.980	0.23626	0.80448	pancreatic progenitor cell differentiation and proliferation factor	Other	other
3530	NEK5	1.699	2.457	0.23656	0.80461	NIMA-related kinase 5	Other	kinase
3531	ZNF396	1.115	3.918	0.23653	0.80461	zinc finger protein 396	Nucleus	transcription regulator
3532	LEMD2	0.681	5.851	0.23649	0.80461	LEM domain containing 2	Nucleus	other
3533	PSMA7	-0.405	8.502	0.23639	0.80461	proteasome (prosome, macropain) subunit, alpha type, 7	Cytoplasm	peptidase
3534	WASL	0.900	4.585	0.23667	0.80475	Wiskott-Aldrich syndrome-like	Cytoplasm	other
3535	CNK1D	0.537	7.097	0.23681	0.80499	casein kinase 1, delta	Cytoplasm	kinase
3536	GMGF	0.423	7.494	0.23699	0.80531	gila maturation factor, gamma	Cytoplasm	growth factor
3537	ZE2	-0.632	6.473	0.23704	0.80531	zinc finger E-box binding homeobox 2	Nucleus	transcription regulator
3538	PLEKHM1	0.766	5.274	0.2372	0.80537	pleckstrin homology domain containing, family M (with RUN domain) member 1	Cytoplasm	other
3539	TSPAN3	-0.479	6.994	0.23732	0.80537	tetraspanin 3	Plasma Membrane	other
3540	EBNA1BP2	-0.687	5.959	0.23726	0.80537	EBNA1 binding protein 2	Nucleus	other
3541	ZFX3	-1.231	4.827	0.23732	0.80537	zinc finger homeobox 3	Nucleus	transcription regulator
3542	BRCC3	0.665	5.828	0.23746	0.8054	BRCA1/BRCA2-containing complex, subunit 3	Nucleus	enzyme
3543	OMA1	-0.627	6.032	0.23752	0.8054	OMA1 zinc metalloprotease	Cytoplasm	peptidase
3544	LRRIC8	-0.939	4.718	0.23753	0.8054	leucine rich repeat containing 8 family, member 8	Other	other
3545	H2AFY2	1.140	3.273	0.23793	0.80608	H2A histone family, member Y2	Nucleus	other
3546	ARL16	-0.564	6.225	0.23781	0.80608	ADP-ribosylation factor-like 16	Other	other
3547	ADA	-0.893	6.131	0.23794	0.80608	adenosine deaminase	Cytoplasm	enzyme
3548	HNRNPKP4	-0.537	6.332	0.23808	0.80634	heterogeneous nuclear ribonucleoprotein K pseudogene 4	Other	other
3549	SLC25A40	1.116	4.491	0.23822	0.80666	solute carrier family 25, member 40	Cytoplasm	other
3550	TAS2R30	1.660	3.097	0.23863	0.80775	taste receptor, type 2, member 30	Plasma Membrane	other
3551	SLC30A5	-0.551	6.300	0.23875	0.80794	solute carrier family 30 (zinc transporter), member 5	Plasma Membrane	transporter
3552	MIS18A	-1.114	4.422	0.23903	0.80864	MIS18 kinetochore protein A	Nucleus	other
3553	ZNF467	2.449	1.969	0.24191	0.8091	zinc finger protein 467	Nucleus	other
3554	GCNT1P3	2.449	1.969	0.24182	0.8091	glucosaminyl (N-acetyl) transferase 1, core 2 pseudogene 3	Other	other
3555	ORC6	2.174	2.220	0.2411	0.8091	origin recognition complex, subunit 6	Nucleus	other
3556	PRRT1	1.864	2.252	0.24162	0.8091	proline-rich transmembrane protein 1	Other	other
3557	KCNJ14	1.619	3.409	0.24033	0.8091	potassium channel, inwardly rectifying subfamily J, member 14	Plasma Membrane	ion channel
3558	FAM100A	1.559	2.695	0.24209	0.8091	UBA-like domain containing 1	Other	other
3559	GDAPI	1.180	4.710	0.23951	0.8091	ganglioside induced differentiation associated protein 1	Cytoplasm	other
3560	PRC1	1.076	4.064	0.242	0.8091	protein regulator of cytokinesis 1	Nucleus	other
3561	TMDM68	0.878	5.010	0.24219	0.8091	transmembrane protein 68	Other	other
3562								

3564	CAMK2G	0.751	5.177	0.24064	0.8091	calcium/calmodulin-dependent protein kinase II gamma	Cytoplasm	kinase
3565	BRPF1	0.671	6.148	0.23946	0.8091	bromodomain and PHD finger containing, 1	Nucleus	transporter
3566	MFS010	0.653	6.375	0.24101	0.8091	major facilitator superfamily domain containing 10	Other	transporter
3567	TRIM37	0.647	6.054	0.24212	0.8091	tripartite motif containing 37	Cytoplasm	enzyme
3568	RAB11B	0.638	6.029	0.24195	0.8091	RAB11B, member RAS oncogene family	Cytoplasm	enzyme
3569	ZBTB40	0.566	6.964	0.24039	0.8091	zinc finger and BTB domain containing 40	Nucleus	other
3570	DYPD	0.552	6.865	0.23985	0.8091	dihydropyrimidine dehydrogenase	Cytoplasm	enzyme
3571	SGSM3	0.519	6.964	0.24205	0.8091	small G protein signaling modulator 3	Plasma Membrane	other
3572	PRKCQ	0.497	7.788	0.24028	0.8091	protein kinase C, theta	Cytoplasm	kinase
3573	HMG81	0.408	7.724	0.24206	0.8091	high mobility group box 1	Nucleus	transcription regulator
3574	IMMT	-0.434	7.691	0.24034	0.8091	inner membrane protein, mitochondrial	Cytoplasm	other
3575	VPS4B	-0.436	7.508	0.24068	0.8091	vacuolar protein sorting 4 homolog B (S. cerevisiae)	Cytoplasm	transporter
3576	PPM1G	-0.445	7.962	0.24153	0.8091	protein phosphatase, Mg2+/Mn2+ dependent, 1G	Nucleus	phosphatase
3577	TSR2	-0.454	7.579	0.24196	0.8091	TSR2, 20S rRNA accumulation, homolog (S. cerevisiae)	Other	other
3578	ATXN10	-0.458	7.365	0.24004	0.8091	ataxin 10	Cytoplasm	other
3579	MCRS1	-0.484	6.970	0.24028	0.8091	microspherule protein 1	Nucleus	other
3580	RDH11	-0.489	7.125	0.24007	0.8091	retinol dehydrogenase 11 (all-trans/9-cis/11-cis)	Cytoplasm	enzyme
3581	PDHA1	-0.505	6.925	0.24086	0.8091	pyruvate dehydrogenase (lipoamide) alpha 1	Cytoplasm	enzyme
3582	FARSA	-0.506	7.344	0.24129	0.8091	phenylalanyl-tRNA synthetase, alpha subunit	Cytoplasm	enzyme
3583	C14orf72	-0.534	6.385	0.24205	0.8091	chromosome 14 open reading frame 2	Cytoplasm	other
3584	PPP2R1B	-0.602	5.959	0.24028	0.8091	protein phosphatase 2, regulatory subunit A, beta	Plasma Membrane	phosphatase
3585	GLE1	-0.615	6.553	0.24105	0.8091	GLE1 RNA export mediator	Nucleus	other
3586	SETD81	-0.632	6.077	0.2397	0.8091	SET domain, bifurcated 1	Nucleus	enzyme
3587	C17orf70	-0.684	5.996	0.23992	0.8091	chromosome 17 open reading frame 70	Nucleus	other
3588	EIF2B2	-0.691	5.912	0.24132	0.8091	eukaryotic translation initiation factor 2B, subunit 2, beta, 390Da	Cytoplasm	translation regulator
3589	ZNF780B	-0.791	5.444	0.23973	0.8091	zinc finger protein 780B	Other	other
3590	CHCHD4	-0.916	4.823	0.24135	0.8091	coiled-coil-helix-coiled-coil-helix domain containing 4	Cytoplasm	enzyme
3591	MLL2	-1.084	4.301	0.24173	0.8091	lysine (K)-specific methyltransferase 2D	Nucleus	transcription regulator
3592	FKRP	-1.120	4.568	0.2393	0.8091	fukutin related protein	Cytoplasm	other
3593	ZNF316	-1.237	4.204	0.24125	0.8091	zinc finger protein 316	Other	other
3594	TMEM62	-1.368	3.426	0.24168	0.8091	transmembrane protein 62	Other	enzyme
3595	AMACR	-1.706	1.941	0.24004	0.8091	alpha-methylacyl-CoA racemase	Cytoplasm	enzyme
3596	TEF	-1.802	3.128	0.24121	0.8091	thymotrophic embryonic factor	Nucleus	transcription regulator
3597	C11orf75	-1.836	2.741	0.24149	0.8091	single-pass membrane protein with coiled-coil domains 4	Other	other
3598	SLFN11	0.638	6.403	0.24239	0.80937	schlafen family member 11	Nucleus	enzyme
3599	DHX38	-0.624	6.334	0.24254	0.80937	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Nucleus	enzyme
3600	VKORC1L1	-0.888	4.951	0.24246	0.80937	vitamin K epoxide reductase complex, subunit 1-like 1	Cytoplasm	enzyme
3601	BNIP1	-1.380	3.197	0.24249	0.80937	BCl2/adenovirus E1B 19kD interacting protein like	Cytoplasm	other
3602	AVP1	1.767	2.658	0.24303	0.81017	arginine vasopressin-induced 1	Other	other
3603	FXYD7	1.731	2.436	0.24305	0.81017	FXYD domain containing ion transport regulator 7	Plasma Membrane	ion channel
3604	FCHO1	0.877	6.137	0.24303	0.81017	FCH domain only 1	Plasma Membrane	other
3605	DEGS1	-0.403	7.579	0.24301	0.81017	delta(4)-desaturase, sphingolipid 1	Plasma Membrane	enzyme
3606	SMARCC1	0.433	7.615	0.24332	0.81083	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Nucleus	transcription regulator
3607	FBXD18	-0.543	6.809	0.24349	0.81095	F-box protein, helicase, 18	Nucleus	enzyme
3608	GNA12	-0.842	5.249	0.24341	0.81095	guanine nucleotide binding protein (G protein) alpha 12	Plasma Membrane	enzyme
3609	FADD	-1.102	3.771	0.24367	0.81133	Fas (TNFRSF6)-associated via death domain	Cytoplasm	other
3610	NEURL	2.370	1.937	0.24393	0.81147	neutralized E3 ubiquitin protein ligase 1	Cytoplasm	enzyme
3611	EMIL3	0.811	5.393	0.24398	0.81147	echinoderm microtubule associated protein like 3	Other	other
3612	STX8	0.628	5.782	0.24389	0.81147	syntaxin 8	Plasma Membrane	other
3613	CIRBP	0.398	8.830	0.2439	0.81147	cold inducible RNA binding protein	Nucleus	translation regulator
3614	QSOX1	1.441	3.332	0.24412	0.81171	quiescin Q6 sulfhydryl oxidase 1	Cytoplasm	enzyme
3615	PGAM1P6	1.998	1.913	0.24545	0.81187	phosphoglycerate mutase 1 pseudogene 6	Other	other
3616	INF2	0.832	5.303	0.24545	0.81187	inverted formin, FH2 and WH2 domain containing	Cytoplasm	other
3617	ULK1	0.802	5.226	0.24441	0.81187	unc-51 like autophagy activating kinase 1	Cytoplasm	kinase
3618	MTRR	0.558	6.469	0.24441	0.81187	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Cytoplasm	enzyme
3619	HNRNPH1	0.400	8.611	0.24523	0.81187	heterogeneous nuclear ribonucleoprotein H1 (H)	Nucleus	other
3620	SRF3	0.373	9.020	0.2454	0.81187	serine/arginine-rich splicing factor 3	Nucleus	other
3621	HNRNPM	-0.391	8.601	0.24504	0.81187	heterogeneous nuclear ribonucleoprotein M	Nucleus	other
3622	ATP6AP1	-0.463	6.987	0.2452	0.81187	ATPase, H+ transporting, lysosomal accessory protein 1	Cytoplasm	transporter
3623	PAZG4	-0.493	6.552	0.24505	0.81187	proliferation-associated ZGA, 38kDa	Nucleus	transcription regulator
3624	TMEM147	-0.501	6.628	0.2449	0.81187	transmembrane protein 147	Cytoplasm	other
3625	NOL6	-0.775	5.604	0.2453	0.81187	nucleolar protein 6 (RNA-associated)	Nucleus	other
3626	ZNF254	-0.801	5.761	0.24491	0.81187	zinc finger protein 254	Nucleus	other
3627	LONRF1	-0.846	5.049	0.24524	0.81187	LON peptidase N-terminal domain and ring finger 1	Other	other
3628	CDK19	-0.852	5.265	0.24465	0.81187	cyclin-dependent kinase 19	Nucleus	kinase
3629	DCTN6	-0.949	4.454	0.24532	0.81187	dynactin 6	Cytoplasm	enzyme
3630	HSP90AA4F	-1.121	3.377	0.24528	0.81187	heat shock protein 90kDa alpha (cytosolic), class A member 4, pseudogene	Other	other
3631	CENPN	-1.139	3.859	0.24438	0.81187	centromere protein N	Nucleus	other
3632	FBXN7	-1.292	3.502	0.24456	0.81187	fbxN7	Extracellular Space	kinase
3633	CHEK2	-1.818	3.037	0.24527	0.81187	checkpoint kinase 2	Nucleus	other
3634	MST1P2	1.828	1.959	0.24619	0.81203	macrophage stimulating 1 (hepatocyte growth factor-like) pseudogene 2	Other	other
3635	KLHL6-AS1	1.817	2.325	0.24613	0.81203	KLHL6 antisense RNA 1	Other	other
3636	CCT6P1	1.058	3.981	0.24631	0.81203	chaperonin containing TCP1, subunit 6 (zeta) pseudogene 1	Other	other
3637	PRKXP1	1.009	4.240	0.24635	0.81203	protein kinase, X-linked, pseudogene 1	Other	other
3638	IGHMBP2	0.865	5.515	0.24576	0.81203	immunoglobulin mu binding protein 2	Nucleus	enzyme
3639	SCML4	0.759	6.825	0.24638	0.81203	sex comb on midleg-like 4 (Drosophila)	Other	other
3640	ERP27	0.717	6.096	0.24602	0.81203	endoplasmic reticulum protein 27	Other	other
3641	CHURC1	-0.420	7.413	0.24588	0.81203	churchill domain containing 1	Nucleus	transcription regulator
3642	VPS18	-0.625	5.737	0.24577	0.81203	vacuolar protein sorting 18 homolog (S. cerevisiae)	Cytoplasm	transporter
3643	PANK3	-0.634	6.167	0.24588	0.81203	pantothenate kinase 3	Cytoplasm	kinase
3644	PRKAB2	-0.710	5.850	0.24595	0.81203	protein kinase, Akin-activated, beta 2 non-catalytic subunit	Cytoplasm	kinase
3645	ZFYV1	-0.843	5.442	0.24628	0.81203	zinc finger, PIVC domain containing 1	Cytoplasm	other
3646	ESR2	-1.589	3.331	0.24577	0.81203	estrogen receptor 2 (ER beta)	Nucleus	ligand-dependent nuclear receptor
3647	IGLGS1	-0.584	6.339	0.24673	0.81285	lectin, galactoside-binding, soluble, 1	Extracellular Space	other
3648	FARP1	-1.311	3.733	0.24676	0.81285	FERM, RhoGEF (ARHGEF) and pleckstrin domain protein 1 (chondrocyte-derived)	Plasma Membrane	other
3649	ZSCAN5A	1.381	3.321	0.24705	0.81319	zinc finger and SCAN domain containing 5A	Nucleus	transcription regulator
3650	MCC1	0.695	5.903	0.24703	0.81319	methylcrotonyl-CoA carboxylase 1 (alpha)	Cytoplasm	enzyme
3651	GPR108	-0.424	7.613	0.24715	0.81319	G protein-coupled receptor 108	Plasma Membrane	G-protein coupled receptor
3652	VARS	-1.122	5.363	0.24721	0.81319	valyl-tRNA synthetase	Cytoplasm	enzyme
3653	NUP210L	-1.366	2.707	0.24718	0.81319	nucleoporin 210kDa-like	Other	other
3654	RAB41	2.250	2.550	0.24731	0.8133	RAB41, member RAS oncogene family	Other	other
3655	RNF138	0.619	6.041	0.2474	0.81334	ring finger protein 138, E3 ubiquitin protein ligase	Nucleus	other
3656	POPDC1	-0.641	5.882	0.24745	0.81334	3-phosphoinositide dependent protein kinase 1	Cytoplasm	kinase
3657	YPEL1	-1.755	2.965	0.24753	0.81336	vyppex-like 1 (Drosophila)	Nucleus	enzyme
3658	ARF5	-0.460	6.856	0.24784	0.81415	ADP-ribosylation factor 5	Cytoplasm	enzyme
3659	ZNRD1-AS1	1.118	4.531	0.24804	0.81417	ZNRD1 antisense RNA 1	Other	other
3660	EP400NL	0.936	5.242	0.24796	0.81417	EP400 N-terminal like	Other	other
3661	BAG6	-0.796	5.283	0.24804	0.81417	BCl2-associated athanogene 6	Nucleus	enzyme
3662	UBE2B	-0.460	7.187	0.24831	0.81461	ubiquitin-conjugating enzyme E2B	Cytoplasm	enzyme
3663	IRF1	-0.556	8.912	0.24837	0.81461	interferon regulatory factor 1	Nucleus	transcription regulator
3664	PRF1	-1.082	6.230	0.24838	0.81461	perforin 1 (pore forming protein)	Cytoplasm	other
3665	LSM10	-0.485	6.638	0.24863	0.81522	LSM10, U7 small nuclear RNA associated	Nucleus	other
3666	LINS4	0.932	5.333	0.24874	0.81535	lin-54 DREAM MuvB core complex component	Nucleus	other
3667	KHK	1.933	2.155	0.24946	0.81553	ketohexokinase (fructokinase)	Cytoplasm	kinase
3668	CASS4	1.476	3.217	0.24933	0.81553	Cas scaffolding protein family member 4	Other	other
3669	GARM1	1.353	3.263	0.24984	0.81553	scarle alpha and TIR motif containing 1	Plasma Membrane	transmembrane receptor
3670	EPHX2	1.310	4.610	0.25036	0.81553	epoxide hydrolase 2, cytoplasmic	Cytoplasm	enzyme
3671	FRAT1	1.233	3.782	0.25018	0.81553	frequently rearranged in advanced T-cell lymphomas 1	Cytoplasm	other
3672	MAN2B1	0.828	5.324	0.2494	0.81553	mannosidase, alpha, class 2B, member 1	Cytoplasm	enzyme
3673	ZNF350	0.603	6.420	0.25004	0.81553	zinc finger protein 350	Nucleus	transcription regulator
3674	MAN1B1	0.535	6.428	0.24911	0.81553	mannosidase, alpha, class 1B, member 1	Cytoplasm	enzyme
3675	PPM1B	0.447	7.455	0.25036	0.81553	protein phosphatase, Mg2+/Mn2+ dependent, 1B	Cytoplasm	phosphatase
3676	GHTM	-0.386	8.839	0.25018	0.81553	growth hormone inducible transmembrane protein	Cytoplasm	other
3677	C14orf166	-0.445	7.128	0.24933	0.81553	chromosome 14 open reading frame 166	Nucleus	other
3678	HBXIP	-0.455	6.814	0.25024	0.81553	late endosomal/lysosomal adaptor, MAPK and MTOR activator 5	Cytoplasm	other
3679	DANCR	-0.507	6.795	0.2501	0.81553	differentiation antagonizing non-protein coding RNA	Other	other
3680	MRFPS10	-0.513	6.449	0.25018	0.81553	mitochondrial ribosomal protein S10	Cytoplasm	other
3681	ATP6V1C1	-0.551	6.728	0.24978	0.81553	ATPase, H+ transporting, lysosomal 42kDa, V1 subunit C1	Cytoplasm	transporter
3682	NFI	-0.527	6.424	0.24906	0.81553	neurofilament 1	Cytoplasm	other
3683	PORCN	-0.743	5.412	0.25031	0.81553	porcupine homolog (Drosophila)	Cytoplasm	other
3684	CNOT6	-0.767	5.981	0.24887	0.81553	CCR4-NOT transcription complex, subunit 6	Nucleus	enzyme
3685	RNA5H2A	-0.845	4.835	0.25022	0.81553	ribonuclease H2, subunit A	Nucleus	enzyme
3686	POLD2P1	-1.154	3.117	0.2497	0.81553	polymerase (DNA directed), delta 2, accessory subunit pseudogene 1	Other	other
3687	YBX1P2	-1.490	2.979	0.24976	0.81553	Y box binding protein 1 pseudogene 2	Other	other
3688	MECR	-1.565	4.016	0.24917	0.81553	mitochondrial trans-2-enoyl-CoA reductase	Cytoplasm	enzyme
3689	MED18	-1.748	3.666	0.2503	0.81553	mediator complex subunit 18	Nucleus	other
3690	MFN1	0.758	5.584	0.25061	0.81568	mitofusin 1	Cytoplasm	enzyme
3691	HMGNA4	-0.401	7.433	0.25047	0.81568	high mobility group nucleosomal binding domain 4	Nucleus	other
3692	APRCSL	-0.468	6.778	0.25058	0.81568	actin related protein 2/3 complex, subunit 5		

3696	FTSJ3	-0.572	6.631	0.25083	0.81588	FtsJ homolog 3 (E. coli)	Nucleus	enzyme
3697	DCUN1D5	-0.809	5.071	0.25103	0.81588	DCN1, defective in cullin neddylation 1, domain containing 5	Other	other
3698	BAK1	-0.963	4.581	0.25108	0.81588	BCL2-antagonist/killer 1	Cytoplasm	other
3699	RPN1	-0.461	8.222	0.25124	0.81595	ribophorin 1	Cytoplasm	enzyme
3700	GRB10	-1.261	4.593	0.25117	0.81595	growth factor receptor-bound protein 10	Cytoplasm	other
3701	FBXO5	-0.897	4.622	0.25136	0.81613	F-box protein 5	Nucleus	enzyme
3702	MRS2P2	0.956	4.734	0.25153	0.81648	MRS2 pseudogene 2	Other	other
3703	AGR2	-1.446	3.852	0.25168	0.81672	ArfGAP with FG repeats 2	Other	other
3704	MAP2K12	1.636	4.530	0.25194	0.81697	mitogen-activated protein kinase kinase kinase 12	Cytoplasm	kinase
3705	FANCG	0.856	5.474	0.25187	0.81697	Fanconi anemia, complementation group G	Nucleus	other
3706	MED15	-0.517	7.247	0.25196	0.81697	mediator complex subunit 15	Nucleus	transcription regulator
3707	SCAMP4	-0.823	4.908	0.25212	0.81704	secretory carrier membrane protein 4	Cytoplasm	other
3708	KLHL22	-0.978	4.402	0.25218	0.81704	kelch-like family member 22	Cytoplasm	other
3709	CCRN4L	-1.494	4.095	0.25212	0.81704	CCR4 carbon catabolite repression 4-like (S. cerevisiae)	Nucleus	transcription regulator
3710	TSSC1	0.732	5.493	0.25226	0.81707	tumor suppressing subtransferable candidate 1	Other	other
3711	SRP14	-0.394	7.745	0.25233	0.81707	signal recognition particle 14kDa (homologous Alu RNA binding protein)	Cytoplasm	other
3712	SATB1	0.406	9.226	0.25248	0.81735	SATB homeobox 1	Nucleus	transcription regulator
3713	SCUBE1	1.700	3.555	0.25256	0.81737	signal peptide, CUB domain, EGF-like 1	Plasma Membrane	transmembrane receptor
3714	AGAP1	2.018	2.009	0.25349	0.81785	ArfGAP with GTPase domain, ankyrin repeat and PH domain 1	Cytoplasm	enzyme
3715	PLEKHG2	1.503	4.204	0.25513	0.81785	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Cytoplasm	other
3716	ZNF329	1.202	4.742	0.25301	0.81785	zinc finger protein 329	Other	other
3717	ARHGAP35	0.856	5.373	0.25347	0.81785	Rho GTPase activating protein 35	Nucleus	transcription regulator
3718	ZNF808	0.751	5.638	0.254	0.81785	zinc finger protein 808	Other	other
3719	ZMYND8	0.604	6.088	0.25285	0.81785	zinc finger, MYND-type containing 8	Nucleus	transcription regulator
3720	TBC1D22A	0.548	6.549	0.25343	0.81785	TBC1 domain family, member 22A	Other	other
3721	SMC4	0.481	6.809	0.25408	0.81785	structural maintenance of chromosomes 4	Nucleus	transporter
3722	ESYT1	0.470	7.840	0.25484	0.81785	extended synaptotagmin-like protein 1	Cytoplasm	other
3723	ZNF394	0.449	7.116	0.25457	0.81785	zinc finger protein 394	Nucleus	transcription regulator
3724	SUCO	0.434	7.200	0.25399	0.81785	SUN domain containing ossification factor	Other	other
3725	TM9SF3	0.419	8.432	0.25505	0.81785	transmembrane 9 superfamily member 3	Cytoplasm	transporter
3726	RHOH	0.401	8.021	0.25519	0.81785	ras homolog family member H	Plasma Membrane	enzyme
3727	COF82	-0.380	8.429	0.25411	0.81785	costomer protein complex, subunit beta 2 (beta prime)	Cytoplasm	transporter
3728	CAP1	-0.384	8.722	0.25522	0.81785	CAP, adenylate cyclase-associated protein 1 (yeast)	Plasma Membrane	other
3729	UBE2G2	-0.386	7.949	0.25352	0.81785	ubiquitin-conjugating enzyme E2o 2	Cytoplasm	enzyme
3730	TBCB	-0.453	7.059	0.25532	0.81785	tubulin folding cofactor 8	Other	other
3731	PIN1	-0.491	6.484	0.25407	0.81785	peptidylglycolyl cis/trans isomerase, NIMA-interacting 1	Nucleus	enzyme
3732	KCMF1	-0.510	6.430	0.25396	0.81785	potassium channel modulatory factor 1	Other	other
3733	ANKRD13A	-0.539	6.871	0.25335	0.81785	ankyrin repeat domain 13A	Plasma Membrane	other
3734	PKIA	-0.544	6.435	0.25472	0.81785	protein kinase (cAMP-dependent, catalytic) inhibitor alpha	Cytoplasm	other
3735	FAM208	-0.665	5.499	0.25513	0.81785	family with sequence similarity 20, member 8	Extracellular Space	enzyme
3736	NDUFC1	-0.673	5.502	0.25465	0.81785	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 1, 6kDa	Cytoplasm	enzyme
3737	GTBP1	-0.724	5.650	0.25536	0.81785	GTP binding protein 1	Cytoplasm	enzyme
3738	GCH1	-0.731	5.611	0.25482	0.81785	GTP cyclohydrolase 1	Cytoplasm	enzyme
3739	PPP1R148B	-0.838	4.945	0.253	0.81785	protein phosphatase 1, regulatory (inhibitor) subunit 148 pseudogene 3	Other	other
3740	RAS2	-0.892	4.714	0.25369	0.81785	related RAS viral (t-ras) oncogene homolog 2	Plasma Membrane	enzyme
3741	COTL1	-0.942	6.039	0.25518	0.81785	coactosin-like F-actin binding protein 1	Cytoplasm	other
3742	DHCR24	-1.013	4.574	0.25464	0.81785	24-dehydrocholesterol reductase	Cytoplasm	enzyme
3743	MOSPD1	-1.059	4.551	0.25465	0.81785	mottle sperm domain containing 1	Other	other
3744	RAB5C	-1.142	4.286	0.25426	0.81785	RAB5C, member RAS oncogene family	Cytoplasm	enzyme
3745	LMBTL4	-1.253	4.281	0.25426	0.81785	l(3)mbt-like 4 (Drosophila)	Other	other
3746	RBMS3	-1.335	3.652	0.2553	0.81785	RNA binding motif, single stranded interacting protein 3	Other	other
3747	SLC36A1	-1.528	3.463	0.25388	0.81785	solute carrier family 36 (proton/amino acid symporter), member 1	Plasma Membrane	transporter
3748	IL17RC	-1.736	2.622	0.25379	0.81785	Interleukin 17 receptor C	Plasma Membrane	transmembrane receptor
3749	SMPLD3A	-1.975	3.022	0.25354	0.81785	sphingomyelin phosphodiesterase, acid-like 3A	Extracellular Space	enzyme
3750	TAS2R20	-2.027	2.296	0.25353	0.81785	taste receptor, type 2, member 20	Plasma Membrane	G-protein coupled receptor
3751	KLHL25	-2.181	2.227	0.25284	0.81785	kelch-like family member 25	Cytoplasm	other
3752	SNORA75	-2.453	1.997	0.25468	0.81785	small nuclear RNA, H/ACA box 75	Plasma Membrane	enzyme
3753	ZZZ1	0.554	7.300	0.25564	0.81789	zinc finger, ZZ-type containing 3	Nucleus	other
3754	MFG	0.416	8.152	0.25561	0.81789	MFG-0-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	Cytoplasm	enzyme
3755	CD79B	-0.943	5.581	0.2556	0.81789	CD79b molecule, immunoglobulin-associated beta	Plasma Membrane	transmembrane receptor
3756	SMARCB1	-0.970	4.482	0.25551	0.81789	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1	Nucleus	transcription regulator
3757	SETD1B	-0.913	5.093	0.25586	0.81836	SET domain containing 1B	Nucleus	other
3758	SNRNP70	0.534	6.995	0.25606	0.81881	small nuclear ribonucleoprotein 70kDa (U1)	Nucleus	other
3759	TAF5L	1.237	4.235	0.25711	0.81903	TAF5-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor, 65kDa	Nucleus	transcription regulator
3760	MCC	1.214	4.689	0.25709	0.81903	mutated in colorectal cancers	Cytoplasm	other
3761	CHMP4A	0.917	4.362	0.25706	0.81903	charged multivesicular body protein 4A	Cytoplasm	other
3762	RRBP1	0.871	5.317	0.25672	0.81903	ribosome binding protein 1	Cytoplasm	other
3763	TGB3BP	0.780	5.063	0.25685	0.81903	integrin beta 3 binding protein (beta 3-endonexin)	Nucleus	other
3764	HIF1B	0.728	5.630	0.25683	0.81903	hypoxia interacting factor homolog B (S. cerevisiae)	Cytoplasm	other
3765	WRNIP1	0.665	6.594	0.25622	0.81903	Werner helicase interacting protein 1	Nucleus	enzyme
3766	PPP2R5A	-0.539	6.459	0.25681	0.81903	protein phosphatase 2, regulatory subunit B', alpha	Cytoplasm	phosphatase
3767	ORC5	-0.579	6.349	0.25682	0.81903	origin recognition complex, subunit 5	Nucleus	other
3768	HIVEP2	-0.615	6.285	0.25663	0.81903	human immunodeficiency virus type 1 enhancer binding protein 2	Nucleus	transcription regulator
3769	DOPEY2	-0.788	5.259	0.25634	0.81903	dopey family member 2	Cytoplasm	other
3770	MATK	-0.813	5.755	0.25706	0.81903	megakaryocyte-associated tyrosine kinase	Cytoplasm	kinase
3771	LINC00116	-0.977	4.175	0.25649	0.81903	long intergenic non-protein coding RNA 116	Other	other
3772	LYSMD1	-1.509	2.559	0.25677	0.81903	LysM, putative peptidoglycan-binding, domain containing 1	Other	other
3773	TIPIN	-1.654	3.110	0.25716	0.81903	TIMELESS interacting protein	Nucleus	other
3774	TBCEL	1.079	4.274	0.25762	0.81962	tubulin folding cofactor E-like	Other	other
3775	DOCK8	0.404	8.406	0.25743	0.81962	dedicator of cytokinesis 8	Cytoplasm	other
3776	LCK	0.384	9.078	0.25757	0.81962	LCK proto-oncogene, Src family tyrosine kinase	Cytoplasm	kinase
3777	MCOLN1	-1.053	3.686	0.25749	0.81962	meccinulin 1	Cytoplasm	ion channel
3778	MTOR	-0.532	6.267	0.25776	0.81986	mechanistic target of rapamycin (serine/threonine kinase)	Nucleus	kinase
3779	STARDA4-AS	1.779	3.607	0.25827	0.81997	STARDA4 antisense RNA 1	Other	other
3780	FAM26F	1.288	2.894	0.25801	0.81997	family with sequence similarity 26, member f	Other	other
3781	TMEM65	1.262	2.891	0.25817	0.81997	transmembrane protein 65	Cytoplasm	other
3782	WWP2	-0.496	6.641	0.25822	0.81997	WW domain containing E3 ubiquitin protein ligase 2	Cytoplasm	enzyme
3783	C6orf1	-0.520	6.307	0.25805	0.81997	chromosome 6 open reading frame 1	Other	other
3784	MRPS29P2	-1.101	3.378	0.25826	0.81997	death associated protein 3 pseudogene 2	Other	other
3785	GSTCD	-1.684	3.432	0.25795	0.81997	glutathione S-transferase, C-terminal domain containing	Cytoplasm	enzyme
3786	RBM15	0.692	5.422	0.25835	0.82001	RNA binding motif protein 15	Nucleus	other
3787	XPC	-0.485	7.937	0.25865	0.82074	xeroderma pigmentosum, complementation group C	Nucleus	other
3788	CIAO1	-0.454	7.996	0.25893	0.8214	cytosolic iron-sulfur assembly component 1	Nucleus	transcription regulator
3789	IF5	1.810	3.225	0.25914	0.82172	coagulation factor V (proaccelerin, labile factor)	Plasma Membrane	enzyme
3790	MTMR7	1.368	3.237	0.25929	0.82172	myotubularin related protein 7	Cytoplasm	phosphatase
3791	CD7	0.738	5.813	0.25929	0.82172	CD7 molecule	Plasma Membrane	other
3792	FAM160B1	0.442	7.004	0.25944	0.82172	family with sequence similarity 160, member B1	Other	other
3793	C14orf159	-0.501	6.389	0.25945	0.82172	chromosome 14 open reading frame 159	Cytoplasm	other
3794	PI4K2A	-0.979	4.982	0.25964	0.82172	phosphatidylinositol 4-kinase type 2 alpha	Cytoplasm	kinase
3795	TBCAP1	-1.001	3.894	0.25957	0.82172	tubulin folding cofactor A pseudogene 1	Other	other
3796	METTL2A	-1.014	4.018	0.25962	0.82172	methyltransferase like 2A	Other	enzyme
3797	PAC3IN3	-1.808	2.580	0.25939	0.82172	protein kinase C and casein kinase substrate in neurons 3	Cytoplasm	other
3798	IGSF3	1.670	2.371	0.25986	0.82216	immunoglobulin superfamily, member 3	Plasma Membrane	other
3799	SUSD1	-1.181	5.482	0.25998	0.82216	sushi domain containing 1	Other	other
3800	CFPS	-1.301	4.152	0.25994	0.82216	E2F transcription factor 5, p130-binding	Nucleus	transcription regulator
3801	SR16	1.135	3.389	0.26036	0.82246	srtnin 6	Nucleus	enzyme
3802	RASGRP1	-0.491	7.931	0.26031	0.82246	RAS guanyl releasing protein 1 (calcium and DAG-regulated)	Cytoplasm	other
3803	PAIP1	-0.841	4.709	0.26026	0.82246	poly(A) binding protein interacting protein 1	Nucleus	translational regulator
3804	PTPN13	-1.388	4.137	0.26019	0.82246	protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase)	Cytoplasm	phosphatase
3805	TPH1	-1.762	2.170	0.26055	0.82286	tryptophan hydroxylase 1	Nucleus	enzyme
3806	BCL9L	1.223	3.715	0.26085	0.8232	B-cell CLL/lymphoma 9-like	Cytoplasm	other
3807	SERTAD1	0.677	5.884	0.26074	0.8232	SERTA domain containing 1	Nucleus	transcription regulator
3808	CCDC82	-0.529	7.015	0.26093	0.8232	coiled-coil domain containing 82	Other	other
3809	ZDHHC11	-1.721	2.350	0.26088	0.8232	zinc finger, DHHC-type containing 11	Cytoplasm	other
3810	ELF4	-0.694	5.466	0.26133	0.82408	E74-like factor 4 (ets domain transcription factor)	Nucleus	transcription regulator
3811	YEATS4	-0.727	5.369	0.26135	0.82408	YEATS domain containing 4	Nucleus	transcription regulator
3812	MTND4P15	2.113	2.477	0.26148	0.82427	MT-ND4 pseudogene 15	Other	other
3813	ZNF596	-1.379	3.922	0.26156	0.82431	zinc finger protein 596	Other	other
3814	CA1	1.927	2.814	0.26219	0.82455	clot cell autotissin 1, 69kDa	Cytoplasm	other
3815	SKI	1.122	4.083	0.26189	0.82455	SKI proto-oncogene	Nucleus	transcription regulator
3816	PLCB2	0.984	5.578	0.26192	0.82455	phospholipase C, beta 2	Cytoplasm	enzyme
3817	DPEP2	0.963	6.079	0.26175	0.82455	dipeptidase 2	Plasma Membrane	peptidase
3818	ATAD2	0.767	5.389	0.26239	0.82455	ATPase family, AAA domain containing 2	Nucleus	enzyme
3819	TMEM63A	0.667	6.684	0.26229	0.82455	transmembrane protein 63A	Cytoplasm	other
3820	HIBCH	0.661	5.927	0.26224	0.82455	3-hydroxyisobutyryl-CoA hydrolase	Cytoplasm	enzyme
3821	PION	0.627	5.570	0.262	0.82455	gamma-secretase activating protein	Cytoplasm	peptidase
3822	POLR3F	-0.808	4.964	0.26227	0.82455	polymerase (RNA) III (DNA directed) polypeptide F, 39 kDa	Nucleus	enzyme
3823	C12orf75	-0.810	5.297	0.26238	0.82455	chromosome 12 open reading frame 75	Other	other
3824	ANXA2P1	-1.464	2.231	0.26186	0.82455			

3828	ACN9	0,916	4,676	0,26292	0,82493	succinate dehydrogenase complex assembly factor 3	Cytoplasm	other
3829	ZNF224	0,616	5,911	0,26283	0,82493	zinc finger protein 224	Nucleus	other
3830	FAM96A	-0,663	5,726	0,26283	0,82493	family with sequence similarity 96, member A	Extracellular Space	other
3831	PDE5A	0,957	4,494	0,26313	0,82538	phosphodiesterase 5A, cGMP-specific	Cytoplasm	enzyme
3832	TAF1	0,723	5,615	0,26339	0,82597	TAF1 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 250kDa	Nucleus	transcription regulator
3833	ATP5F2	-0,690	5,308	0,26355	0,82626	ATP synthase, H+ transporting, mitochondrial F1 complex, epsilon subunit pseudogene 2	Cytoplasm	other
3834	ZBED5	0,446	6,994	0,26363	0,82623	zinc finger, BED-type containing 5	Nucleus	other
3835	RIMKL1B	0,812	5,112	0,26373	0,82638	ribosomal modification protein rimk-like family member B	Cytoplasm	other
3836	MEAF6P1	1,583	1,914	0,26406	0,82708	MYST/Eas1-associated factor 6 pseudogene 1	Other	other
3837	RNMTL1	0,928	4,487	0,26409	0,82708	RNA methyltransferase like 1	Cytoplasm	enzyme
3838	ZFYVE28	0,726	5,533	0,26424	0,82713	zinc finger, FYVE domain containing 28	Cytoplasm	other
3839	DIS3L	0,572	6,333	0,26417	0,82713	DIS3 like exonome 3'-5' exonuclease	Cytoplasm	enzyme
3840	FBXO32	-0,896	5,839	0,26449	0,82777	F-box protein 32	Cytoplasm	enzyme
3841	AGTRAP	1,732	3,286	0,26477	0,82784	angiotensin II receptor-associated protein	Plasma Membrane	G-protein coupled receptor
3842	PARVB	1,481	3,097	0,26474	0,82784	parvin, beta	Cytoplasm	other
3843	BCKDK	-0,814	5,587	0,26474	0,82784	branched chain ketoacid dehydrogenase kinase	Cytoplasm	kinase
3844	TMEM53	1,786	2,954	0,26507	0,828	transmembrane protein 53	Nucleus	other
3845	HIST1H2BD	1,740	2,476	0,26533	0,828	histone cluster 1, H2bd	Nucleus	other
3846	DMPK	1,188	3,734	0,26528	0,828	dystrophin myotonicia-protein kinase	Cytoplasm	kinase
3847	MEI3L	0,432	6,947	0,26528	0,828	mediator complex subunit 13-like	Nucleus	other
3848	ANAPC5	0,389	8,838	0,2654	0,828	anaphase promoting complex subunit 5	Nucleus	other
3849	MOB1A	-0,406	8,158	0,26541	0,828	MOB kinase activator 1A	Plasma Membrane	other
3850	DNAIC8	-0,421	7,222	0,26539	0,828	DnaI (Hsp40) homolog, subfamily C, member 8	Nucleus	other
3851	DCPS	-0,629	5,654	0,265	0,828	decapping enzyme, scavenger	Nucleus	enzyme
3852	APLF	-1,209	4,463	0,26495	0,828	apratxin and PNKP like factor	Cytoplasm	enzyme
3853	C1orf31	-0,952	4,441	0,26549	0,82801	cytochrome c oxidase assembly factor 6	Cytoplasm	other
3854	CACNA2D2	2,209	2,288	0,2671	0,82804	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Plasma Membrane	ion channel
3855	SH3BGR	2,086	2,461	0,26724	0,82804	SH3 domain binding glutamate-rich protein	Cytoplasm	other
3856	ZNF491	1,837	3,130	0,26632	0,82804	zinc finger protein 491	Nucleus	other
3857	NUFIP1	1,169	3,743	0,26784	0,82804	nuclear fragile X mental retardation protein interacting protein 1	Nucleus	other
3858	NCN	1,157	4,441	0,26681	0,82804	neurochondrin	Cytoplasm	other
3859	NBR2	1,128	3,817	0,26733	0,82804	neighbor of BRCA1 gene 2 (non-protein coding)	Other	other
3860	PTENP1	1,033	3,961	0,26785	0,82804	phosphatase and tensin homolog pseudogene 1 (functional)	Cytoplasm	other
3861	EZH2	0,810	4,775	0,26682	0,82804	enhancer of zeste 2 polycomb repressive complex 2 subunit	Nucleus	transcription regulator
3862	ZNF516	0,799	5,297	0,26805	0,82804	zinc finger protein 516	Nucleus	other
3863	EXOSC7	0,659	5,920	0,26641	0,82804	exosome component 7	Nucleus	enzyme
3864	SEC22C	0,500	7,136	0,26669	0,82804	SEC22 vesicle trafficking protein homolog C (S. cerevisiae)	Cytoplasm	other
3865	RPUSD4	0,472	6,667	0,26809	0,82804	RNA pseudouridylation synthase domain containing 4	Cytoplasm	other
3866	USP3	0,470	7,104	0,26739	0,82804	ubiquitin specific peptidase 3	Cytoplasm	peptidase
3867	IL6ST	0,448	7,180	0,26559	0,82804	interleukin 6 signal transducer	Plasma Membrane	transmembrane receptor
3868	DARS	0,444	8,024	0,26799	0,82804	aspartyl-tRNA synthetase	Cytoplasm	enzyme
3869	SERPINF6	0,426	7,220	0,26811	0,82804	serpin peptidase inhibitor, clade B (ovalbumin), member 6	Cytoplasm	other
3870	SPTA13	0,392	7,309	0,26668	0,82804	spermatogenesis associated 13	Plasma Membrane	other
3871	HNRNP1K	-0,367	7,984	0,26764	0,82804	heterogeneous nuclear ribonucleoprotein K	Nucleus	other
3872	OCAD2	-0,386	7,565	0,26744	0,82804	OCIA domain containing 2	Cytoplasm	other
3873	GIMAP2	-0,450	7,624	0,26793	0,82804	GTPase, IMAP family member 2	Cytoplasm	other
3874	TCER2	-0,453	6,741	0,26801	0,82804	transcription elongation factor B (SII), polypeptide 2 (18kDa, elongin B)	Nucleus	transcription regulator
3875	PDCD10	-0,481	6,720	0,26604	0,82804	programmed cell death 10	Cytoplasm	other
3876	COMT	-0,551	6,332	0,26638	0,82804	catechol O-methyltransferase	Cytoplasm	enzyme
3877	RNPEPL1	-0,564	7,301	0,26679	0,82804	arginyl aminopeptidase (aminopeptidase B)-like 1	Other	peptidase
3878	RAPGEF6	-0,591	5,733	0,26682	0,82804	Rap guanine nucleotide exchange factor (GEF) 6	Plasma Membrane	other
3879	TSTA3	-0,647	6,384	0,26796	0,82804	tissue specific transplantation antigen P35B	Plasma Membrane	enzyme
3880	TAF9	-0,653	5,486	0,26604	0,82804	TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 32kDa	Nucleus	transcription regulator
3881	ARHGDI1A	-0,734	5,443	0,26676	0,82804	Rho GDP dissociation inhibitor (GDI) alpha	Cytoplasm	other
3882	TRIB3	-0,786	5,399	0,26772	0,82804	tribbles pseudokinase 3	Nucleus	kinase
3883	RUVBL1	-0,786	5,406	0,26692	0,82804	RuvB-like AAA ATPase 1	Nucleus	transcription regulator
3884	CHCHD1	-0,879	4,580	0,26664	0,82804	coiled-coil-helix-coiled-coil-helix domain containing 1	Nucleus	other
3885	PRKCH	-0,910	6,840	0,26719	0,82804	protein kinase C, eta	Cytoplasm	kinase
3886	C2orf44	-1,189	4,819	0,26722	0,82804	chromosome 2 open reading frame 44	Other	other
3887	PRDM8	-1,295	3,387	0,26637	0,82804	PR domain containing 8	Nucleus	transcription regulator
3888	ADM2	-1,476	3,671	0,26601	0,82804	adrenomedullin 2	Extracellular Space	other
3889	MMACHC	-1,652	2,500	0,26775	0,82804	methylmalonic aciduria (cobalamin deficiency) cblC type, with homocystinuria	Cytoplasm	other
3890	ARSD	-1,664	3,964	0,26669	0,82804	arylsulfatase D	Cytoplasm	enzyme
3891	GAS7	-1,734	2,206	0,26559	0,82804	growth arrest-specific 7	Cytoplasm	transcription regulator
3892	SFXN1	0,490	7,142	0,26833	0,82848	sideroflexin 1	Cytoplasm	transporter
3893	RAP2B	0,581	6,021	0,26842	0,82855	RAP2B, member of RAS oncogene family	Plasma Membrane	enzyme
3894	ATP7A	-0,428	6,897	0,26863	0,82877	ATPase, Cu+ transporting, alpha polypeptide	Plasma Membrane	transporter
3895	NOA1	-0,596	6,255	0,26859	0,82877	nitric oxide associated 1	Cytoplasm	other
3896	LINO	-1,099	4,097	0,26921	0,83037	lin-9 DREAM MuvB core complex component	Nucleus	other
3897	GIMAP6	0,543	6,687	0,26964	0,83146	GTPase, IMAP family member 6	Cytoplasm	other
3898	SMAP2	0,421	8,056	0,26985	0,83147	small ArfGAP2	Cytoplasm	other
3899	MTFMT	-0,811	4,856	0,26979	0,83147	mitochondrial methionyl-tRNA formyltransferase	Cytoplasm	enzyme
3900	ZNF192P1	-1,904	2,862	0,26974	0,83147	zinc finger protein 192 pseudogene 1	Other	other
3901	PYCR2	-0,719	5,448	0,27005	0,83188	pyrroline-5-carboxylate reductase family, member 2	Cytoplasm	enzyme
3902	KDMA4	1,153	4,506	0,27018	0,83206	lysine (K)-specific demethylase 4A	Nucleus	transcription regulator
3903	TWF1	0,949	4,437	0,27048	0,83278	twinfilin actin-binding protein 1	Cytoplasm	kinase
3904	BUD31	-0,574	5,878	0,27055	0,83279	BUD31 homolog (S. cerevisiae)	Nucleus	transcription regulator
3905	POMP	-0,472	7,014	0,27065	0,83288	proteasome maturation protein	Nucleus	other
3906	KIAA0513	1,254	4,676	0,27094	0,83294	KIAA0513	Other	other
3907	EIF2AK3	0,832	5,787	0,27108	0,83294	eukaryotic translation initiation factor 2-alpha kinase 3	Cytoplasm	kinase
3908	CISD2	0,607	5,824	0,27116	0,83294	CISD2 iron sulfur domain 2	Cytoplasm	other
3909	ARKGAP9	0,466	7,572	0,27091	0,83294	Rho GTPase activating protein 9	Cytoplasm	other
3910	PRKA1	0,446	7,124	0,27109	0,83294	protein kinase, AMP-activated, alpha 1 catalytic subunit	Cytoplasm	kinase
3911	AKT1S1	-1,029	3,648	0,27103	0,83294	AKT1 substrate 1 (proline-rich)	Cytoplasm	other
3912	RPS27P27	-1,233	2,736	0,27123	0,83294	ribosomal protein S27 pseudogene 27	Other	other
3913	ISOC2	-1,603	2,941	0,2709	0,83294	isochorismatase domain containing 2	Cytoplasm	enzyme
3914	HTR1F	-1,255	4,426	0,27137	0,83295	5-hydroxytryptamine (serotonin) receptor 1F, G protein-coupled	Plasma Membrane	G-protein coupled receptor
3915	CLRF2	-1,908	3,385	0,27134	0,83295	cytokine receptor-like factor 2	Plasma Membrane	transmembrane receptor
3916	ANAPC16	0,366	7,962	0,27172	0,83316	anaphase promoting complex subunit 16	Nucleus	other
3917	HINT1	-0,364	8,237	0,2716	0,83316	histidine triad nucleotide binding protein 1	Nucleus	enzyme
3918	MIPEP	-0,854	4,439	0,27185	0,83316	mitochondrial intermediate peptidase	Cytoplasm	peptidase
3919	UNC119B	-0,936	4,098	0,27158	0,83316	unc-119 homolog B (C. elegans)	Other	other
3920	TTCAP1	-1,145	3,237	0,27182	0,83316	tetratricopeptide repeat domain 4 pseudogene 1	Other	other
3921	ZNF446	-1,222	3,278	0,27166	0,83316	zinc finger protein 446	Nucleus	transcription regulator
3922	PSPC1-OT1	-1,445	2,387	0,27216	0,83389			
3923	TBC1D13	-0,734	5,365	0,27225	0,83396	TBC1 domain family, member 13	Other	other
3924	LAX1	0,894	6,403	0,2726	0,83421	lymphocyte transmembrane adaptor 1	Cytoplasm	other
3925	MAPRE1	-0,403	7,779	0,27274	0,83421	microtubule-associated protein, RP/EB family, member 1	Cytoplasm	other
3926	ATRAID	-0,412	7,184	0,27282	0,83421	all-trans retinoic acid-induced differentiation factor	Nucleus	other
3927	PHF15	-0,618	6,334	0,2728	0,83421	jade family PHD finger 2	Nucleus	other
3928	MPP6	-0,867	5,674	0,27279	0,83421	membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6)	Plasma Membrane	kinase
3929	TMEM229E	-1,263	4,582	0,2728	0,83421	transmembrane protein 229E	Other	other
3930	RNF144B	-1,682	2,734	0,27255	0,83421	ring finger protein 144B	Other	enzyme
3931	CNPY3	0,404	4,773	0,27305	0,8345	canopy FGF signaling regulator 3	Cytoplasm	other
3932	TBCA	-0,616	5,811	0,27303	0,8345	tubulin folding cofactor A	Cytoplasm	other
3933	TPT2P5	2,148	1,845	0,2742	0,83508	transmembrane phosphoinositide 3-phosphatase and tensin homolog 2 pseudogene 5	Other	other
3934	BCI7A	1,251	2,925	0,27415	0,83508	B cell CLL/lymphoma 7A	Nucleus	other
3935	VEZF1P1	1,140	3,558	0,27364	0,83508	vascular endothelial zinc finger 1 pseudogene 1	Other	other
3936	ABC810	0,967	4,948	0,27512	0,83508	ATP-binding cassette, sub-family B (MDR/TAP), member 10	Cytoplasm	transporter
3937	ALDH3A2	0,965	4,534	0,27491	0,83508	aldehyde dehydrogenase 3 family, member A2	Cytoplasm	enzyme
3938	ZNF169	0,944	5,565	0,27446	0,83508	zinc finger protein 169	Nucleus	transcription regulator
3939	OAS1	0,889	5,161	0,27503	0,83508	2'-5'-oligoadenylate synthetase 1, 40/46kDa	Cytoplasm	enzyme
3940	TTL5	0,726	5,694	0,27385	0,83508	tubulin tyrosine ligase-like family member 5	Cytoplasm	enzyme
3941	CMC2	0,546	6,006	0,27494	0,83508	C-x(9)-C motif containing 2	Cytoplasm	other
3942	RAB3GAP1	0,480	7,163	0,27348	0,83508	RAB3 GTPase activating protein subunit 1 (catalytic)	Cytoplasm	other
3943	IRF3	0,467	6,541	0,27418	0,83508	interferon regulatory factor 3	Nucleus	transcription regulator
3944	VDAC3	-0,376	7,829	0,27417	0,83508	voltage-dependent anion channel 3	Cytoplasm	ion channel
3945	ATP6V1G1	-0,396	7,662	0,27352	0,83508	ATPase, H+ transporting, lysosomal 13kDa, V1 subunit G1	Cytoplasm	transporter
3946	CSE1L	-0,470	6,818	0,27411	0,83508	CSE1 chromosome segregation 1-like (yeast)	Nucleus	transporter
3947	SIRT7	-0,474	6,969	0,2735	0,83508	sirtuin 7	Nucleus	enzyme
3948	SCYL2	-0,479	6,999	0,27506	0,83508	SCYL1-like 2 (S. cerevisiae)	Cytoplasm	other
3949	DKC1	-0,528	7,246	0,27364	0,83508	dykerkeriosis congenita 1, dyskerin	Nucleus	enzyme
3950	TULP4	-0,578	5,944	0,27479	0,83508	tubby like protein 4	Cytoplasm	transcription regulator
3951	GGA3	-0,599	5,683	0,27404	0,83508	golgi-associated, gamma adaptin ear containing, ARF binding protein 3	Cytoplasm	transporter
3952	CXKC5	-0,604	5,758	0,27425	0,83508	CXXC finger protein 5	Nucleus	other
3953	DYNC1L1	-0,610	6,062	0,27451	0,83508	dynein, cytoplasmic 1, light intermediate chain 1	Cytoplasm	other
3954	DUS3L	-0,623	6,114	0,27432	0,83508	dihydropyrimidine synthase 3-like (S. cerevisiae)	Other	other
3955	ZNF689	-0,745	5,066	0,27476	0,83508	zinc finger protein 689	Nucleus	transcription regulator
3956	TMO22	-0,935	4,834	0,27464	0,83508	tropomodulin 2 (neuronal)	Cytopl	

3960	HLA-L	1,347	3,292	0,27526	0,83529	major histocompatibility complex, class I, L (pseudogene)	Other	other
3961	SNORA12	1,351	2,711	0,27534	0,83533	small nucleolar RNA, H/ACA box 12	Other	other
3962	SDHAP3	1,251	2,842	0,27611	0,8368	succinate dehydrogenase complex, subunit A, flavoprotein pseudogene 3	Other	other
3963	GNOSP2	-1,092	3,292	0,27608	0,8368	guanine nucleotide binding protein (G protein), gamma 5 pseudogene 2	Other	other
3964	ZNF155	-1,094	4,622	0,27605	0,8368	zinc finger protein 155	Nucleus	transcription regulator
3965	UBE2E2	-1,461	3,358	0,27617	0,8368	ubiquitin-conjugating enzyme E2E 2	Cytoplasm	enzyme
3966	DUSP19	-1,526	2,798	0,27614	0,8368	dual specificity phosphatase 19	Cytoplasm	phosphatase
3967	ZNF749	0,959	4,499	0,27622	0,83689	zinc finger protein 749	Other	other
3968	TMEM159	0,877	4,964	0,27681	0,83689	transmembrane protein 159	Other	other
3969	PPP1CC	-0,476	7,308	0,27683	0,83689	protein phosphatase 1, catalytic subunit, gamma isozyme	Nucleus	phosphatase
3970	NUCKS1	-0,482	6,439	0,27648	0,83689	nuclear casein kinase and cyclin-dependent kinase substrate 1	Nucleus	kinase
3971	NUDT4	-0,564	6,030	0,27629	0,83689	nudix (nucleoside diphosphate linked moiety X)-type motif 4	Cytoplasm	phosphatase
3972	C1orf122	-0,764	4,947	0,27635	0,83689	chromosome 1 open reading frame 122	Other	other
3973	CC2D1A	-0,787	5,332	0,27664	0,83689	coiled-coil and C2 domain containing 1A	Cytoplasm	other
3974	CROCCP3	-0,862	4,781	0,27663	0,83689	ciliary rootlet coiled-coil, rootletin pseudogene 3	Other	other
3975	ITSN1	-1,777	2,946	0,27674	0,83689	intersectin 1 (SH3 domain protein)	Cytoplasm	other
3976	BCAS4	-0,798	4,947	0,27701	0,83724	breast carcinoma amplified sequence 4	Cytoplasm	other
3977	POZD4	1,603	2,136	0,27714	0,83736	POZ domain containing 4	Cytoplasm	other
3978	MXD4	0,486	7,173	0,27722	0,83736	MAX dimerization protein 4	Nucleus	transcription regulator
3979	VTAF1	-0,400	4,838	0,27768	0,83736	vesicle (multivesicular body) trafficking 1	Cytoplasm	other
3980	EXOSC2	-0,572	6,470	0,27722	0,83736	exosome component 2	Nucleus	enzyme
3981	APZS1	-0,811	4,723	0,27769	0,83736	adaptor-related protein complex 2, sigma 1 subunit	Cytoplasm	transporter
3982	SLC39A4	-0,988	3,744	0,27762	0,83736	solute carrier family 39 (zinc transporter), member 4	Plasma Membrane	transporter
3983	PPP3R1	-1,100	3,526	0,27731	0,83736	protein phosphatase 3, regulatory subunit B, alpha	Cytoplasm	phosphatase
3984	ARHGEF39	-1,402	2,726	0,27748	0,83736	Rho guanine nucleotide exchange factor (GEF) 39	Plasma Membrane	other
3985	TGM1	-1,981	2,272	0,27775	0,83736	transglutaminase 1	Plasma Membrane	enzyme
3986	TRBV20-1	-2,176	3,461	0,27734	0,83736	T cell receptor beta variable 20-1	Other	other
3987	BTN3A2	-0,350	8,797	0,27787	0,83751	butyrophilin, subfamily 3, member A2	Plasma Membrane	other
3988	INPP5K	-0,387	7,435	0,27808	0,83751	inositol polyphosphate-5-phosphatase K	Cytoplasm	phosphatase
3989	SEC24B	-0,484	7,006	0,27815	0,83751	SEC24 family member B	Cytoplasm	transporter
3990	CCDC77	-0,870	4,548	0,27812	0,83751	coiled-coil domain containing 77	Cytoplasm	other
3991	GPX68	-1,047	5,623	0,27808	0,83751	G protein-coupled receptor 68	Plasma Membrane	G-protein coupled receptor
3992	CIRI2P2	-1,208	2,805	0,27833	0,83785	compressor interacting with RBPI, 1 pseudogene 2	Other	other
3993	TSCI	-0,562	7,491	0,27879	0,83935	tuberosus sclerosis 1	Cytoplasm	other
3994	PPP1R11	-0,439	6,958	0,27918	0,84	protein phosphatase 1, regulatory (inhibitor) subunit 11	Cytoplasm	other
3995	DSE	0,763	5,460	0,27939	0,84021	dermatan sulfate epimerase	Cytoplasm	enzyme
3996	MTRF1L	-0,889	4,470	0,27938	0,84021	mitochondrial translational release factor 1-like	Cytoplasm	translation regulator
3997	SLC22A4	1,248	3,443	0,27964	0,84074	solute carrier family 22 (organic cation/zwitterion transporter), member 4	Plasma Membrane	transporter
3998	SAP30	1,188	4,117	0,27989	0,84096	Sin3A-associated protein, 30kDa	Nucleus	transcription regulator
3999	DENND3	0,849	5,524	0,27986	0,84096	DENN/MADD domain containing 3	Other	other
4000	HNRNP43	0,366	7,809	0,28	0,84096	heterogeneous nuclear ribonucleoprotein A3	Nucleus	other
4001	VPS37A	-0,611	5,978	0,28007	0,84096	vacuolar protein sorting 37 homolog A (S. cerevisiae)	Cytoplasm	other
4002	LACTB2	-0,914	4,835	0,28005	0,84096	lactamase, beta 2	Cytoplasm	other
4003	PHX28	-0,644	5,609	0,28036	0,84163	phosphatidylinositol 4-kinase type 2 beta	Cytoplasm	kinase
4004	JAGN1	-0,494	6,653	0,28052	0,8417	agouti homolog 1 (Drosophila)	Cytoplasm	other
4005	DBR2	-0,504	7,635	0,28047	0,8417	damage-specific DNA binding protein 2, 48kDa	Nucleus	other
4006	ANAPC10	-1,008	4,251	0,2806	0,84174	anaphase promoting complex subunit 10	Nucleus	other
4007	DAPK1-IT1	1,808	2,513	0,2814	0,84205	DAPK1 intronic transcript 1	Other	other
4008	THBS1	0,649	5,991	0,28137	0,84205	thrombospondin 1	Extracellular Space	other
4009	NMT2	0,439	6,770	0,2808	0,84205	N-myristoyltransferase 2	Cytoplasm	enzyme
4010	CERS5	-0,368	7,647	0,28113	0,84205	ceramide synthase 5	Cytoplasm	transcription regulator
4011	PTPN11	-0,447	6,918	0,28114	0,84205	protein tyrosine phosphatase, non-receptor type 11	Cytoplasm	phosphatase
4012	COP57A	-0,570	5,920	0,28148	0,84205	COP9 signalosome subunit 7A	Cytoplasm	other
4013	MALSU1	-0,698	5,175	0,28106	0,84205	mitochondrial assembly of ribosomal large subunit 1	Extracellular Space	other
4014	REPIN1	-0,738	6,086	0,28137	0,84205	replication initiator 1	Nucleus	other
4015	FAM116A	-0,786	5,724	0,28129	0,84205	DENN/MADD domain containing 6A	Cytoplasm	other
4016	FNDC3B	-1,001	5,302	0,28146	0,84205	fibronectin type III domain containing 3B	Cytoplasm	other
4017	PLCO1	-1,382	3,514	0,28115	0,84205	phosphatidylinositol-specific phospholipase C, X domain containing 1	Other	enzyme
4018	DLK2	1,941	2,211	0,28235	0,84225	delta-like 2 homolog (Drosophila)	Extracellular Space	other
4019	MIR3679	1,387	2,760	0,2825	0,84225	microRNA 3679	Cytoplasm	microRNA
4020	ANAPC15	1,060	4,083	0,28297	0,84225	anaphase promoting complex subunit 15	Other	other
4021	PHC1P1	1,024	3,938	0,28165	0,84225	polyhomeotic homolog 1 (Drosophila) pseudogene 1	Other	other
4022	ZNF785	1,007	3,894	0,28265	0,84225	zinc finger protein 785	Other	other
4023	TRGV10	0,884	5,059	0,28215	0,84225	T cell receptor gamma variable 10 (non-functional)	Other	other
4024	TTC38	0,821	4,800	0,28289	0,84225	tetratricopeptide repeat domain 38	Cytoplasm	other
4025	ZNF420	0,769	5,900	0,28189	0,84225	zinc finger protein 420	Cytoplasm	other
4026	FBXW11	0,728	5,944	0,2821	0,84225	F-box and WD repeat domain containing 11	Cytoplasm	enzyme
4027	ADD3	0,473	8,120	0,28242	0,84225	adubucin 3 (gamma)	Cytoplasm	other
4028	RBM43	0,443	7,094	0,28278	0,84225	RNA binding motif protein 33	Other	other
4029	CFI1	-0,369	8,157	0,28315	0,84225	cofilin 1 (non-muscle)	Nucleus	other
4030	PLRG1	-0,380	7,315	0,2817	0,84225	pleiotropic regulator 1	Nucleus	transcription regulator
4031	PITHD1	-0,422	6,947	0,28268	0,84225	PITH (C-terminal proteasome-interacting domain of thioridone-like) domain containing 1	Nucleus	other
4032	ODT	-0,456	7,124	0,2831	0,84225	dCMP deaminase	Cytoplasm	enzyme
4033	NUBP2	-0,461	6,890	0,28265	0,84225	nucleotide binding protein 2	Nucleus	other
4034	VPS26A	-0,487	6,604	0,28312	0,84225	vacuolar protein sorting 26 homolog A (S. pombe)	Cytoplasm	transporter
4035	SOAT1	-0,523	6,501	0,28302	0,84225	sterol O-acyltransferase 1	Cytoplasm	enzyme
4036	EBP	-0,535	6,283	0,28271	0,84225	emopamil binding protein (sterol isomerase)	Cytoplasm	enzyme
4037	EC11	-0,645	5,893	0,28239	0,84225	enoyl-CoA delta isomerase 1	Cytoplasm	enzyme
4038	C12orf57	-0,831	4,757	0,28195	0,84225	chromosome 12 open reading frame 57	Other	other
4039	MTMR10	-0,846	5,504	0,28232	0,84225	myotubularin related protein 10	Other	other
4040	CPM	-1,604	2,892	0,28275	0,84225	carboxypeptidase M	Plasma Membrane	peptidase
4041	ZNF493	0,644	6,295	0,28246	0,84226	zinc finger protein 493	Nucleus	other
4042	DOM32	0,727	5,462	0,28362	0,84306	decapping exonuclease	Nucleus	enzyme
4043	ST13	-0,410	6,899	0,28371	0,84306	suppression of tumorigenicity 13 (colon carcinoma) [Hsp70 interacting protein]	Cytoplasm	other
4044	SPNS3	-1,124	3,553	0,28364	0,84306	spinster homolog 3 (Drosophila)	Other	other
4045	YOD1	1,051	4,609	0,28401	0,84365	YOD1 deubiquitinase	Other	enzyme
4046	NSUN5P1	1,046	3,700	0,2845	0,84365	NOP2/Sun domain family, member 5 pseudogene 1	Other	other
4047	MOB1B	0,698	5,178	0,28448	0,84365	MOB kinase activator 1B	Cytoplasm	other
4048	GADD45A	0,674	5,494	0,28438	0,84365	growth arrest and DNA-damage-inducible, alpha	Nucleus	other
4049	PTPRA	0,417	7,302	0,28446	0,84365	protein tyrosine phosphatase, receptor type, A	Plasma Membrane	phosphatase
4050	NUMA1	0,380	7,296	0,28454	0,84365	nuclear mitotic apparatus protein 1	Nucleus	other
4051	IRAK2	-0,743	5,095	0,28443	0,84365	interleukin-1 receptor-associated kinase 2	Plasma Membrane	kinase
4052	PLAGL2	-0,927	5,016	0,28449	0,84365	pleiomorphic adenoma gene-like 2	Nucleus	transcription regulator
4053	VPS37C	-1,788	1,904	0,2843	0,84365	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Cytoplasm	other
4054	NOC3L	-0,616	5,771	0,2851	0,84495	nucleolar complex associated 3 homolog (S. cerevisiae)	Nucleus	other
4055	NABP2	-1,241	2,714	0,28512	0,84495	nucleic acid binding protein 2	Nucleus	other
4056	SETMAR	0,960	4,245	0,28523	0,84508	SET domain and mariner transposase fusion gene	Nucleus	enzyme
4057	MCM3AP	0,547	6,261	0,28541	0,84541	minichromosome maintenance complex component 3 associated protein	Nucleus	other
4058	INPP1	-1,345	4,707	0,28552	0,84551	inositol polyphosphate-1-phosphatase	Cytoplasm	phosphatase
4059	CCNK	0,848	4,949	0,28574	0,84596	cyclin K	Nucleus	kinase
4060	SLC25A32	0,586	6,175	0,28586	0,84611	solute carrier family 25 (mitochondrial folate carrier), member 32	Cytoplasm	transporter
4061	DCTN5	0,391	7,218	0,28597	0,84621	dynactin 5 (p25)	Cytoplasm	other
4062	ADAM22	1,165	3,972	0,28605	0,84625	ADAM metallopeptidase domain 22	Plasma Membrane	peptidase
4063	SUPT6H	0,403	7,188	0,28614	0,84631	suppressor of Ty 6 homolog (S. cerevisiae)	Nucleus	transcription regulator
4064	POC5	0,641	5,741	0,28624	0,84632	POC5 centriolar protein	Cytoplasm	other
4065	C3orf78	-1,079	4,172	0,28628	0,84632	small integral membrane protein 4	Cytoplasm	other
4066	CD9	1,713	3,172	0,28661	0,84686	CD9 molecule	Plasma Membrane	other
4067	CRX5	-0,376	7,456	0,28655	0,84686	chromobox homolog 5	Nucleus	transcription regulator
4068	PER2	1,117	4,227	0,28677	0,84691	period circadian clock 2	Nucleus	transcription regulator
4069	RHOT1	-0,466	6,581	0,28678	0,84691	ras homolog family member T1	Cytoplasm	enzyme
4070	ANKRD46	-0,674	5,587	0,28684	0,84691	ankyrin repeat domain 46	Nucleus	transcription regulator
4071	ALG10	-1,529	2,974	0,2871	0,84748	ALG10, alpha-1,2-glucosyltransferase	Cytoplasm	enzyme
4072	ZCCHC14	0,966	4,534	0,28732	0,8475	zinc finger, CCHC domain containing 14	Other	other
4073	MED24	-0,704	5,578	0,28732	0,8475	mediator complex subunit 24	Nucleus	transcription regulator
4074	PLAG1	-1,642	4,227	0,2873	0,8475	pleiomorphic adenoma gene 1	Nucleus	transcription regulator
4075	LRRCA7	-0,574	5,846	0,2874	0,84752	leucine rich repeat containing 47	Other	other
4076	DYNC2H1	1,321	4,598	0,28839	0,84844	dynein, cytoplasmic 2, heavy chain 1	Cytoplasm	other
4077	NOTCH1	0,769	4,851	0,28826	0,84844	notch 1	Plasma Membrane	transcription regulator
4078	SAPB2	0,445	7,455	0,28779	0,84844	scaffold attachment factor B2	Cytoplasm	other
4079	JOSD1	0,402	7,318	0,28788	0,84844	Josephin domain containing 1	Other	other
4080	UBA1	-0,435	7,945	0,28839	0,84844	ubiquitin-like modifier activating enzyme 1	Cytoplasm	enzyme
4081	NDUFA1	-0,455	6,688	0,28802	0,84844	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa	Cytoplasm	enzyme
4082	PPA1	-0,470	6,626	0,28836	0,84844	pyrophosphatase (inorganic) 1	Cytoplasm	enzyme
4083	MRPS15	-0,571	6,021	0,28799	0,84844	mitochondrial ribosomal protein S15	Cytoplasm	other
4084	ZNF674-AS	-0,686	5,076	0,28841	0,84844	ZNF674 antisense RNA 1 (head to head)	Other	other
4085	EFCAB5	-1,617	2,733	0,28812	0,84844	EF-hand calcium binding domain 5	Other	other
4086	DSTYK	0,464	6,930	0,28862	0,84885	dual serine/threonine and tyrosine protein kinase	Cytoplasm	kinase
4087	ZFP37	1,922	3,324	0,28884	0,84886	ZFP37 zinc finger protein	Nucleus	transcription regulator
4088	NDUFB6	-0,630	5,698	0,28881	0,84886	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 6, 17kDa	Cytoplasm	enzyme

4092	LT4H	-0.446	6.992	0.28943	0.84894	leukotriene A4 hydrolase	Cytoplasm	enzyme
4093	GTFC2	-0.472	6.413	0.28914	0.84894	general transcription factor IIIC, polypeptide 2, beta 110kDa	Nucleus	transcription regulator
4094	GATAD2B	-0.545	5.961	0.2893	0.84894	GATA zinc finger domain containing 2B	Nucleus	transcription regulator
4095	TCF4	-1.037	5.650	0.28898	0.84894	transcription factor 4	Nucleus	transcription regulator
4096	TAF9BP1	-1.093	3.251	0.2893	0.84894	TAF9B RNA polymerase II, TATA box binding protein (TBP)-associated factor, 31kDa pseudogene 1	Other	other
4097	RGS3	-1.429	3.438	0.28941	0.84894	regulator of G-protein signaling 3	Nucleus	other
4098	TSGA10	0.824	5.169	0.28922	0.84916	testis specific 10	Cytoplasm	other
4099	MIRPL40	0.669	5.410	0.29028	0.84916	mitochondrial ribosomal protein L40	Cytoplasm	other
4100	ORC3	0.576	6.458	0.2902	0.84916	origin recognition complex, subunit 3	Nucleus	other
4101	FAM114A2	0.501	6.353	0.29	0.84916	family with sequence similarity 114, member A2	Other	other
4102	PSMD12	-0.542	6.450	0.28971	0.84916	proteasome (prosome, macropain) 26S subunit, non-ATPase, 12	Cytoplasm	other
4103	METTL8	-0.586	6.126	0.29007	0.84916	methyltransferase like 18	Other	other
4104	ERVK13-1	-0.690	5.305	0.29008	0.84916	endogenous retrovirus group K13, member 1	Other	other
4105	LIMS1	-0.767	4.954	0.28987	0.84916	LIM and senescent cell antigen-like domains 1	Plasma Membrane	other
4106	C16orf52	-0.954	3.951	0.28961	0.84916	chromosome 16 open reading frame 52	Other	other
4107	BICD1	-0.998	4.752	0.29001	0.84916	bicaudal D homolog 1 (Drosophila)	Cytoplasm	other
4108	RPS15AP10	-1.402	3.459	0.29027	0.84916	ribosomal protein S15a pseudogene 10	Other	other
4109	HES1	1.990	1.908	0.29053	0.84946	hes family bHLH transcription factor 1	Nucleus	transcription regulator
4110	TOPORS	-0.404	7.247	0.29046	0.84946	topoisomerase I binding, arginine/serine-rich, E3 ubiquitin protein ligase	Nucleus	enzyme
4111	MSI2	0.645	6.041	0.29073	0.84964	musashi RNA-binding protein 2	Cytoplasm	other
4112	KOM3A	0.450	8.077	0.29071	0.84964	lysine (K) specific demethylase 3A	Nucleus	transcription regulator
4113	TRPC4AP	0.447	7.788	0.2908	0.84964	transient receptor potential cation channel, subfamily C, member 4 associated protein	Cytoplasm	transporter
4114	ZNF219	1.851	2.500	0.29091	0.84977	zinc finger protein 219	Nucleus	transcription regulator
4115	PRPF18	0.769	4.993	0.2911	0.84991	pre-mRNA processing factor 18	Nucleus	transporter
4116	ELAC2	-0.535	6.705	0.29111	0.84991	elacC ribonuclease Z 2	Nucleus	enzyme
4117	THEMIS	-1.340	5.909	0.29124	0.8501	thymocyte selection associated	Cytoplasm	other
4118	CTDSP1	0.664	5.245	0.29139	0.85027	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1	Nucleus	phosphatase
4119	PAX6	-1.401	3.552	0.29144	0.85027	paired box 6	Nucleus	transcription regulator
4120	LLPH	0.706	5.442	0.29159	0.85051	LLP homolog, long-term synaptic facilitation (Aplysia)	Extracellular Space	other
4121	SLC16A10	1.092	3.995	0.29181	0.85093	solute carrier family 16 (anionic amino acid transporter), member 10	Plasma Membrane	transporter
4122	RPS6KA3	0.484	8.512	0.29223	0.85127	ribosomal protein S6 kinase, 90kDa, polypeptide 3	Cytoplasm	kinase
4123	ZBTB1	0.364	8.231	0.29213	0.85127	zinc finger and BTB domain containing 1	Nucleus	other
4124	S58	-0.433	6.644	0.29236	0.85127	Sjogren syndrome antigen B (autoantigen La)	Nucleus	enzyme
4125	DUSP12	-0.550	6.074	0.29228	0.85127	dual specificity phosphatase 12	Nucleus	phosphatase
4126	OLA1	-0.617	5.644	0.2923	0.85127	Obg-like ATPase 1	Cytoplasm	enzyme
4127	SLC2A9	-1.934	2.429	0.29242	0.85127	solute carrier family 2 (facilitated glucose transporter), member 9	Plasma Membrane	transporter
4128	TRAV17	-1.934	2.429	0.2923	0.85127	T cell receptor alpha variable 17	Other	other
4129	CDC4A	0.768	5.089	0.29256	0.85147	cell division cycle associated 4	Nucleus	other
4130	SLC25A5-A	1.940	2.756	0.29284	0.85152	SLC25A5 antisense RNA 1	Other	other
4131	TRUB2	-0.623	5.715	0.29286	0.85152	TruB pseudouridine (psi) synthase family member 2	Cytoplasm	enzyme
4132	CFH	-1.031	5.170	0.29285	0.85152	complement factor H	Extracellular Space	other
4133	APOBEC3H	-2.041	2.800	0.2927	0.85152	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3H	Cytoplasm	enzyme
4134	TTI1	0.629	6.863	0.29295	0.85159	TELO2 interacting protein 1	Cytoplasm	other
4135	ABC7C	1.661	3.990	0.29305	0.85166	ATP-binding cassette, sub-family C (CFTR/MRP), member 2	Plasma Membrane	transporter
4136	ZNF708	0.731	5.093	0.29365	0.85166	zinc finger protein 708	Nucleus	other
4137	ASB1	0.728	5.669	0.29359	0.85198	ankyrin repeat and SOCS box containing 1	Nucleus	transcription regulator
4138	ZNF395	0.645	6.109	0.29349	0.85198	zinc finger protein 395	Cytoplasm	other
4139	CGGBP1	-0.352	8.492	0.29364	0.85198	CGG triplet repeat binding protein 1	Nucleus	other
4140	BLOC1S2	-0.472	6.488	0.29332	0.85198	biogenesis of lysosomal organelles complex-1, subunit 2	Cytoplasm	other
4141	DCUN1D2	-1.256	4.529	0.29366	0.85198	DCN1, defective in cullin neddylation 1, domain containing 2	Other	other
4142	PEX5	-1.416	3.374	0.29336	0.85198	peroxisomal biogenesis factor 5	Cytoplasm	transmembrane receptor
4143	HIST1H2BG	1.532	2.357	0.29374	0.85203	histone cluster 1, H2bc	Nucleus	other
4144	C16orf88	-0.830	4.842	0.29385	0.85214	lysine-rich nucleolar protein 1	Other	other
4145	ZNF646	1.249	3.361	0.29404	0.85228	zinc finger protein 646	Nucleus	other
4146	UBXN2A	0.550	6.014	0.29404	0.85228	UBX domain protein 2A	Other	other
4147	FRF1	0.787	4.766	0.29418	0.85248	Ras (TNFRSF6) binding factor 1	Nucleus	other
4148	USP12	0.677	5.327	0.29456	0.85268	ubiquitin specific peptidase 12	Cytoplasm	peptidase
4149	CNPE3	0.405	7.525	0.29435	0.85268	copine III	Cytoplasm	kinase
4150	MPHOSPH8	0.381	7.634	0.29483	0.85268	M-phase phosphoprotein 8	Nucleus	transcription regulator
4151	ACTR3	-0.342	8.991	0.29468	0.85268	ARP3 actin-related protein 3 homolog (yeast)	Plasma Membrane	other
4152	ARIH1	-0.380	7.351	0.29467	0.85268	ariadne RBR E3 ubiquitin protein ligase 1	Cytoplasm	enzyme
4153	HTATSF1	-0.523	7.441	0.29468	0.85268	HIV-1 Tat specific factor 1	Nucleus	transcription regulator
4154	SPATASL1	-0.820	4.944	0.29477	0.85268	spermatogenesis associated 5-like 1	Other	other
4155	HLA-DRA	-1.443	6.853	0.29489	0.85268	major histocompatibility complex, class II, DR alpha	Plasma Membrane	transmembrane receptor
4156	AGMAT	-1.468	2.253	0.29444	0.85268	agmatine ureohydrolase (agmatinase)	Cytoplasm	enzyme
4157	WIPF2	0.524	6.512	0.29499	0.85268	WAS/WASL interacting protein family, member 2	Cytoplasm	other
4158	EIF2B4	-0.445	6.985	0.29504	0.85268	eukaryotic translation initiation factor 2B, subunit 4, 67kDa	Cytoplasm	other
4159	GLIC1	-0.452	7.146	0.29517	0.85268	glucocorticoid induced 1	Cytoplasm	other
4160	TSPAN31	-0.621	6.111	0.29517	0.85268	tetraspanin 31	Plasma Membrane	other
4161	AMY2B	0.747	4.986	0.29539	0.85288	amylase, alpha 2B (pancreatic)	Extracellular Space	enzyme
4162	NFKBIZ	-0.517	8.042	0.29533	0.85288	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta	Nucleus	transcription regulator
4163	IER5	0.410	7.471	0.29549	0.85299	immediate early response 5	Other	other
4164	PRR7	1.494	2.224	0.29579	0.85322	proline rich 7 (synaptic)	Other	other
4165	SLC30A1	1.011	4.678	0.2957	0.85322	solute carrier family 30 (zinc transporter), member 1	Plasma Membrane	transporter
4166	NTMT1	0.701	5.160	0.29581	0.85322	N-terminal Xaa-Pro-Lys N-methyltransferase 1	Nucleus	enzyme
4167	KLRK1	-1.654	3.626	0.29586	0.85322	killer cell lectin-like receptor subfamily K, member 1	Plasma Membrane	transmembrane receptor
4168	MLST8	1.056	5.126	0.2961	0.85332	MTOR associated protein, LST8 homolog (S. cerevisiae)	Cytoplasm	other
4169	TGFB3	-0.433	7.002	0.29607	0.85332	transforming growth factor, beta receptor III	Plasma Membrane	kinase
4170	HINFP	-0.604	5.791	0.29604	0.85332	histone H4 transcription factor	Nucleus	transcription regulator
4171	TOMM20	0.464	6.699	0.29632	0.85373	translocase of outer mitochondrial membrane 20 homolog (yeast)	Cytoplasm	transporter
4172	LUC7L2	0.425	7.194	0.29641	0.85378	LUC7-like 2 (S. cerevisiae)	Other	other
4173	HSBP1L1	0.813	4.857	0.29666	0.85390	heat shock factor binding protein 1-like 1	Other	other
4174	USP34	0.430	7.679	0.29657	0.8539	ubiquitin specific peptidase 34	Extracellular Space	peptidase
4175	PDAP1	-0.600	5.656	0.29664	0.8539	PDGFA associated protein 1	Cytoplasm	other
4176	RPL13AP25	1.105	2.804	0.29678	0.85403	ribosomal protein L13a pseudogene 25	Other	other
4177	POLR2J4	1.587	2.772	0.29801	0.85418	polymerase (RNA) II (DNA directed) polypeptide J4, pseudogene	Other	other
4178	THAP9	1.370	4.215	0.29698	0.85418	THAP domain containing 9	Other	enzyme
4179	LRRC1	1.102	2.818	0.29787	0.85418	leucine rich repeat containing 1	Cytoplasm	other
4180	ZNF792	0.868	6.074	0.29877	0.85418	zinc finger protein 792	Other	other
4181	TCF3	0.829	4.774	0.2982	0.85418	transcription factor 3	Nucleus	transcription regulator
4182	KCTD21	0.754	5.083	0.29781	0.85418	potassium channel tetramerization domain containing 21	Other	other
4183	LZTFL1	0.718	6.366	0.29718	0.85418	leucine zipper transcription factor-like 1	Cytoplasm	other
4184	COBL	0.652	5.553	0.29885	0.85418	ligand dependent nuclear receptor corepressor-like	Nucleus	transcription regulator
4185	KCTD5	0.644	5.993	0.29826	0.85418	potassium channel tetramerization domain containing 5	Cytoplasm	other
4186	RAP2C	0.521	6.383	0.29864	0.85418	RAP2C, member of RAS oncogene family	Cytoplasm	enzyme
4187	TMED4	0.461	6.641	0.29876	0.85418	transmembrane emp24 protein transport domain containing 4	Cytoplasm	transporter
4188	SLC25A38	0.455	6.803	0.29837	0.85418	solute carrier family 25, member 38	Cytoplasm	other
4189	BET1L	0.443	6.794	0.29813	0.85418	Bet1 golgi vesicular membrane trafficking protein-like	Cytoplasm	transporter
4190	CD37	0.410	7.093	0.29746	0.85418	CD37 molecule	Plasma Membrane	other
4191	CSGALNAC	0.385	7.778	0.29788	0.85418	chondroitin sulfate N-acetylgalactosaminyltransferase 2	Cytoplasm	enzyme
4192	LUC7L	0.358	7.527	0.29875	0.85418	LUC7-like (S. cerevisiae)	Nucleus	other
4193	KIF5B	0.337	8.281	0.29881	0.85418	kinesin family member 5B	Cytoplasm	other
4194	RHOA	-0.335	9.306	0.2985	0.85418	ras homolog family member A	Cytoplasm	enzyme
4195	VP528	-0.372	7.425	0.29714	0.85418	vacuolar protein sorting 28 homolog (S. cerevisiae)	Cytoplasm	transporter
4196	ENVY2	-0.425	6.848	0.29858	0.85418	enhancer of yellow 2 homolog (Drosophila)	Nucleus	transcription regulator
4197	PDHB	-0.436	7.130	0.29815	0.85418	pyruvate dehydrogenase (lipoamide) beta	Cytoplasm	enzyme
4198	CAND1	-0.437	8.432	0.29807	0.85418	cullin-associated and neddylation-dissociated 1	Cytoplasm	transcription regulator
4199	ITGB7	-0.578	6.402	0.29761	0.85418	integrin, beta 7	Plasma Membrane	transmembrane receptor
4200	PIM2	-0.589	8.530	0.29736	0.85418	Pim-2 proto-oncogene, serine/threonine kinase	Nucleus	kinase
4201	RPL32P3	-0.713	5.736	0.29792	0.85418	ribosomal protein L32 pseudogene 3	Other	other
4202	ACOT9	-0.752	5.722	0.29757	0.85418	acyl-CoA thioesterase 9	Cytoplasm	enzyme
4203	CRPT	-0.826	4.767	0.29866	0.85418	cysteine-rich PDZ-binding protein	Cytoplasm	other
4204	TOMM5	-0.931	4.336	0.29798	0.85418	translocase of outer mitochondrial membrane 5 homolog (yeast)	Cytoplasm	other
4205	PLAU	-1.576	2.314	0.29889	0.85418	plasminogen activator, urokinase	Extracellular Space	peptidase
4206	TMEM87B	-0.659	5.836	0.29899	0.85426	transmembrane protein 87B	Other	other
4207	ZNF414	1.154	3.254	0.29918	0.8546	zinc finger protein 414	Other	other
4208	GTTF2P21	1.933	1.886	0.29994	0.85486	general transcription factor IIIF, polypeptide 2 pseudogene 1	Other	other
4209	POLC2	1.318	3.014	0.30044	0.85486	PQ loop repeat containing 2	Cytoplasm	transporter
4210	SLC22A18	1.242	3.720	0.30001	0.85486	solute carrier family 22, member 18	Plasma Membrane	transporter
4211	PRKA1	0.502	6.868	0.30013	0.85486	protein kinase, AMP-activated, beta 1 non-catalytic subunit	Nucleus	kinase
4212	AKAP5	-0.697	5.181	0.30009	0.85486	A kinase (PRKA) anchor protein 5	Plasma Membrane	other
4213	TRAPPCC1	-0.716	5.031	0.29997	0.85486	trafficking protein particle complex 1	Cytoplasm	other
4214	LSMD1	-0.724	4.786	0.30009	0.85486	N(1)alpha-acetyltransferase 3B, NatC auxiliary subunit	Nucleus	other
4215	MAP1A	-1.206	4.454	0.29999	0.85486	microtubule-associated protein 1A	Cytoplasm	other
4216	ZNF763	-1.276	3.888	0.2998	0.85486	zinc finger protein 763	Cytoplasm	other
4217	RPP25	-1.288	3.380	0.30007	0.85486	ribonuclease P/MRP 25kDa subunit	Nucleus	other
4218	PFND6	-1.691	2.367	0.29945	0.85486	prefoldin subunit 6	Cytoplasm	other
4219	TP53I11	-1.737	3.690	0.29937	0.85486	tumor protein p53 inducible protein 11	Other	other
4220	FANCF	-						

4224	FOXP1	-0.348	8.901	0.30077	0.85569	forkhead box P1	Nucleus	other
4225	LRRC48	1.683	2.310	0.30127	0.85569	leucine rich repeat containing 48	Cytoplasm	other
4226	ACBD3	0.469	6.729	0.30122	0.85569	acyl-CoA binding domain containing 3	Cytoplasm	other
4227	ST8IA4	0.469	6.462	0.301	0.85569	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 4	Cytoplasm	enzyme
4228	ANAPC7	-0.439	6.975	0.30101	0.85569	anaphase promoting complex subunit 7	Nucleus	other
4229	STK40	-0.585	6.346	0.30122	0.85569	serine/threonine kinase 40	Cytoplasm	kinase
4230	GRA	-1.223	4.431	0.30115	0.85569	glucosidase, beta, acid	Cytoplasm	enzyme
4231	ZNF404	-1.384	3.484	0.30112	0.85569	zinc finger protein 404	Other	other
4232	ATP5F1	-0.361	7.477	0.30148	0.85593	ATP synthase, He transporting, mitochondrial Fo complex, subunit B1	Cytoplasm	transporter
4233	TTIL4	-0.660	5.218	0.3015	0.85593	tubulin tyrosine ligase-like family member 4	Other	enzyme
4234	ALG1	-1.014	4.007	0.30158	0.85597	ALG1, chitobiosyl(diphosphodolichol beta-mannosyltransferase	Cytoplasm	enzyme
4235	MICB	-1.023	4.162	0.30166	0.85599	MHC class I polypeptide-related sequence B	Plasma Membrane	transmembrane receptor
4236	GMCL1	-0.536	6.190	0.30173	0.85599	germ cell-less, spermatogenesis associated 1	Nucleus	other
4237	SLC10A7	0.827	5.360	0.30182	0.85604	solute carrier family 10, member 7	Other	transporter
4238	RBM34	0.938	3.923	0.30223	0.8567	RNA binding motif protein 34	Nucleus	other
4239	C14orf128	0.728	4.936	0.30215	0.8567	chromosome 14 open reading frame 28	Other	other
4240	LRIG2	-0.653	5.815	0.30227	0.8567	leucine-rich repeats and immunoglobulin-like domains 2	Cytoplasm	other
4241	UTP14C	-0.773	5.516	0.3024	0.85687	UTP14, U3 small nucleolar ribonucleoprotein, homolog C (yeast)	Nucleus	other
4242	ZNF718	0.885	4.645	0.30288	0.85784	zinc finger protein 718	Extracellular Space	other
4243	PRKDC	0.428	7.770	0.30285	0.85784	protein kinase, DNA-activated, catalytic polypeptide	Nucleus	kinase
4244	LAMP3	1.224	4.212	0.30201	0.85825	lysosomal associated membrane protein 3	Plasma Membrane	enzyme
4245	DBI	-0.485	6.433	0.30335	0.85875	diacepam binding inhibitor (GABA receptor modulator, acyl-CoA binding protein)	Cytoplasm	other
4246	EVPL	1.747	1.898	0.30381	0.85935	enoplakin	Plasma Membrane	other
4247	LRRC7	1.080	3.550	0.30396	0.85935	leucine rich repeat containing 7	Plasma Membrane	other
4248	KKR6	1.037	3.976	0.30415	0.85935	Kx, Kell blood group complex subunit-related family, member 6	Other	other
4249	KDM3B	0.424	6.976	0.30406	0.85935	lysine [K]-specific demethylase 3B	Nucleus	other
4250	OSBPL9	-0.392	7.340	0.30374	0.85935	oxysterol binding protein-like 9	Cytoplasm	other
4251	CCT8	-0.393	7.917	0.3042	0.85935	chaperonin containing TCP1, subunit 8 (theta)	Cytoplasm	enzyme
4252	ACAT2	-0.567	6.296	0.30383	0.85935	acetyl-CoA acetyltransferase 2	Cytoplasm	enzyme
4253	TAF12	-0.627	6.070	0.3041	0.85935	TAF12 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 20kDa	Nucleus	transcription regulator
4254	MRPL3P1	-0.787	4.804	0.30408	0.85935	mitochondrial ribosomal protein L3 pseudogene 1	Other	other
4255	FOXO4	1.854	2.170	0.30433	0.8595	forkhead box O4	Nucleus	transcription regulator
4256	ALDH8A1	1.517	2.468	0.30499	0.85955	aldehyde dehydrogenase 8 family, member A1	Cytoplasm	enzyme
4257	ZNF257	1.321	3.808	0.30452	0.85955	zinc finger protein 257	Nucleus	other
4258	SH3BP2	0.692	5.546	0.30509	0.85955	SH3-domain binding protein 2	Cytoplasm	other
4259	RPRD1B	0.667	5.367	0.30532	0.85955	regulation of nuclear pre-mRNA domain containing 1B	Nucleus	other
4260	FKBP11	0.605	6.580	0.30545	0.85955	FK506 binding protein 11, 19 kDa	Cytoplasm	enzyme
4261	NFYA	0.573	6.261	0.30482	0.85955	nuclear transcription factor Y, alpha	Nucleus	transcription regulator
4262	TANC2	0.503	6.223	0.30503	0.85955	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 2	Nucleus	transcription regulator
4263	CTSD	0.444	6.538	0.30548	0.85955	cathepsin D	Cytoplasm	peptidase
4264	YTHDC1	0.405	7.994	0.30553	0.85955	YTH domain containing 1	Cytoplasm	other
4265	ETS1	0.378	8.743	0.30553	0.85955	v-ets avian erythroblastosis virus E26 oncogene homolog 1	Nucleus	transcription regulator
4266	HCF5	-0.445	7.983	0.30455	0.85955	HLA complex P5 (non-protein coding)	Other	other
4267	DENR	-0.452	6.676	0.30556	0.85955	density-regulated protein	Other	other
4268	MBNL2	-0.461	8.063	0.30502	0.85955	nucleolin-like splicing regulator 2	Other	other
4269	MAGOHB	-0.582	5.661	0.30491	0.85955	mago-nashi homolog B (Drosophila)	Nucleus	other
4270	TRMT12	-0.880	4.391	0.30554	0.85955	RNA methyltransferase 12 homolog (S. cerevisiae)	Other	other
4271	GIMAP8	-1.118	5.273	0.30489	0.85955	GTPase, IMAP family member 8	Other	other
4272	TUBB2A	-1.471	2.964	0.30499	0.85955	tubulin, beta 2A class Ila	Cytoplasm	other
4273	PPPIR2	-1.971	3.404	0.30565	0.85959	PPPIR interacting protein, binding protein 2 (liprin beta 2)	Nucleus	phosphatase
4274	PRH1	1.732	2.067	0.30649	0.8598	proline-rich protein Haell subfamily 1	Extracellular Space	other
4275	INO80C	1.084	3.807	0.30579	0.8598	INO80 complex subunit C	Nucleus	other
4276	SEC24D	0.707	6.966	0.30635	0.8598	SEC24 family member D	Cytoplasm	transporter
4277	ZSCAN18	0.695	5.457	0.30634	0.8598	zinc finger and SCAN domain containing 18	Other	other
4278	TOB1	0.642	5.544	0.30624	0.8598	transducer of ERBB2, 1	Nucleus	transcription regulator
4279	PRNP	0.410	9.381	0.30651	0.8598	prion protein	Plasma Membrane	other
4280	RBBP4	-0.332	8.178	0.30599	0.8598	retinoblastoma binding protein 4	Nucleus	enzyme
4281	ATP1F1	-0.430	7.120	0.306	0.8598	ATPase inhibitory factor 1	Cytoplasm	other
4282	TNFRSF10B	-0.809	5.101	0.30642	0.8598	tumor necrosis factor receptor superfamily, member 10b	Plasma Membrane	transmembrane receptor
4283	SLC25A3P2	-1.042	3.481	0.30606	0.8598	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3 pseudogene 2	Other	other
4284	SNX8	-1.455	4.029	0.30617	0.8598	sorting nexin 8	Cytoplasm	transporter
4285	YPEL4	1.223	3.147	0.30691	0.86041	yppee-like 4 (Drosophila)	Nucleus	other
4286	SRSF6	0.329	8.197	0.30686	0.86041	serine/arginine-rich splicing factor 6	Nucleus	other
4287	ZNF323	-1.374	3.469	0.30694	0.86041	zinc finger and SCAN domain containing 31	Nucleus	transcription regulator
4288	SMUG1	-0.960	4.082	0.30702	0.86044	single-strand-selective monofunctional uracil-DNA glycosylase 1	Nucleus	enzyme
4289	FGD4	1.780	2.190	0.30723	0.86061	FYVE, RhoGEF and PH domain containing 4	Cytoplasm	other
4290	KMO	-1.829	2.557	0.30719	0.86061	kyurenine 3-monooxygenase (kyurenine 3-hydroxylase)	Cytoplasm	enzyme
4291	ZNF362	0.888	4.299	0.30814	0.86204	zinc finger protein 362	Other	other
4292	HOXF	0.609	5.719	0.30791	0.86204	HOX homeobox	Nucleus	transcription regulator
4293	COX5A	-0.496	6.743	0.30792	0.86204	cytochrome c oxidase subunit Va	Cytoplasm	enzyme
4294	TMEM237	-1.044	4.029	0.30817	0.86204	transmembrane protein 237	Other	other
4295	FAM219A	-1.206	3.228	0.30803	0.86204	family with sequence similarity 219, member A	Other	other
4296	GYG1P3	-1.215	2.908	0.30802	0.86204	glycogenin 1 pseudogene 3	Other	other
4297	IKKB	0.455	7.403	0.30848	0.8627	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta	Cytoplasm	kinase
4298	TDPI	0.539	6.462	0.30862	0.8629	tyrosyl-DNA phosphodiesterase 1	Nucleus	enzyme
4299	IL1RN	1.960	3.825	0.30949	0.86292	interleukin 1 receptor antagonist	Extracellular Space	cytokine
4300	NUPIP1P	1.123	2.868	0.30907	0.86292	nuclear fragile X mental retardation protein interacting protein 1 pseudogene	Other	other
4301	IFT122	1.052	4.851	0.30947	0.86292	intraflagellar transport 122	Nucleus	other
4302	MORC4	1.024	5.023	0.30907	0.86292	MORC family CW-type zinc finger 4	Nucleus	other
4303	TATDN2	0.565	5.703	0.30946	0.86292	TatD Dnaase domain containing 2	Nucleus	other
4304	PRKCA	0.563	5.952	0.30921	0.86292	protein kinase C, alpha	Cytoplasm	kinase
4305	WAT1	0.551	5.809	0.30985	0.86292	vesicle amine transport 1	Plasma Membrane	transporter
4306	07-sept	-0.338	8.603	0.30918	0.86292			
4307	SLC25A11	-0.514	6.287	0.30905	0.86292	solute carrier family 25 (mitochondrial carrier; oxoglutarate carrier), member 11	Cytoplasm	transporter
4308	CDC34	-0.588	5.710	0.30886	0.86292	cell division cycle 34	Nucleus	enzyme
4309	PTTG1	-1.160	3.461	0.30939	0.86292	pituitary tumor-transforming 1	Nucleus	transcription regulator
4310	PDZD2	-1.262	3.478	0.30946	0.86292	PDZ domain containing 2	Plasma Membrane	other
4311	C17orf72	1.162	3.368	0.30972	0.86319	proline rich 29	Other	other
4312	ASH2L	-0.459	6.423	0.30987	0.86319	ash2 (absent, small, or homeotic)-like (Drosophila)	Nucleus	transcription regulator
4313	FDP5	-0.472	6.281	0.30984	0.86319	farnesyl diphosphate synthase	Cytoplasm	enzyme
4314	MLH1	-0.483	6.846	0.30982	0.86319	mutl. homolog 1	Nucleus	enzyme
4315	GADD45G	0.941	4.432	0.31058	0.86331	growth arrest and DNA-damage-inducible, gamma	Nucleus	other
4316	YEATS2	0.589	6.244	0.31022	0.86331	YEATS domain containing 2	Nucleus	transcription regulator
4317	SKEL1	0.405	7.532	0.31078	0.86331	suppressor of RING1	Cytoplasm	other
4318	SBNO1	-0.388	8.319	0.31019	0.86331	strawberry notch homolog 1 (Drosophila)	Other	enzyme
4319	SP140L	-0.463	7.278	0.31023	0.86331	SP140 nuclear body protein-like	Other	other
4320	UBE4B	-0.537	6.286	0.31028	0.86331	ubiquitination factor E4B	Cytoplasm	other
4321	RABL2B	-0.755	4.884	0.31075	0.86331	RAB, member of RAS oncogene family-like 2B	Other	enzyme
4322	HIGD1AP1	-1.029	2.874	0.31072	0.86331	HIG1 hypoxia inducible domain family, member 1A pseudogene 1	Other	other
4323	ZNF883	-1.654	2.361	0.31018	0.86331	zinc finger protein 883	Other	other
4324	ARHGAP5	-1.864	2.080	0.31068	0.86331	ARHGAP5 antisense RNA 1 (head to head)	Other	other
4325	SLFN14	-2.265	1.916	0.31053	0.86331	schlafen family member 14	Other	other
4326	DLL3	-2.265	1.916	0.31051	0.86331	delta-like 3 (Drosophila)	Extracellular Space	other
4327	ZNF287	1.154	4.433	0.31151	0.86416	zinc finger protein 287	Nucleus	transcription regulator
4328	TBP4	0.766	5.139	0.31131	0.86416	latent transforming growth factor beta binding protein 4	Extracellular Space	growth factor
4329	KIA0430	-0.505	7.447	0.31122	0.86416	KIA0430	Cytoplasm	other
4330	LDLOC1	-1.082	4.628	0.31146	0.86416	leucine zipper, down-regulated in cancer 1-like	Other	other
4331	ARHGEF12	-1.212	2.940	0.31153	0.86416	Rho guanine nucleotide exchange factor (GEF) 12	Cytoplasm	other
4332	ECE2	-1.526	3.887	0.31146	0.86416	endothelin converting enzyme 2	Plasma Membrane	peptidase
4333	CCR5	-1.943	2.253	0.31158	0.86416	chemokine (C-C motif) receptor 5 (gene/pseudogene)	Plasma Membrane	G-protein coupled receptor
4334	FAM18B2	0.877	4.184	0.31118	0.8643	trans-golgi network vesicle protein 23 homolog C (S. cerevisiae)	Other	other
4335	ANKMY1	0.787	5.403	0.31199	0.8643	ankyrin repeat and MYND domain containing 1	Other	other
4336	DUSP18	0.734	4.656	0.31191	0.8643	dual specificity phosphatase 18	Cytoplasm	phosphatase
4337	TAF7	0.323	8.775	0.31207	0.8643	TAF7 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 55kDa	Nucleus	transcription regulator
4338	SEC62	-0.386	7.393	0.31198	0.8643	SEC62 homolog (S. cerevisiae)	Cytoplasm	transporter
4339	C19orf53	-0.444	6.402	0.31204	0.8643	chromosome 19 open reading frame 53	Other	other
4340	TMEM199	-0.604	5.468	0.31221	0.86449	transmembrane protein 199	Other	other
4341	ZNF197	-0.761	5.830	0.31232	0.86463	zinc finger protein 197	Nucleus	transcription regulator
4342	GSK3B	0.535	6.217	0.31215	0.86489	glycogen synthase kinase 3 beta	Nucleus	kinase
4343	DPRA4	2.076	1.943	0.31281	0.86509	developmental pluripotency associated 4	Nucleus	other
4344	HINT3	-0.836	5.399	0.31282	0.86509	histidine triad nucleotide binding protein 3	Cytoplasm	other
4345	RPS6KA4	-1.316	3.488	0.31286	0.86509	ribosomal protein S6 kinase, 90kDa, polypeptide 4	Cytoplasm	kinase
4346	MIPEPP3	-1.418	2.251	0.3127	0.86509	mitochondrial intermediate peptidase pseudogene 3	Other	other
4347	ZNF468	0.914	6.707	0.31306	0.86537	zinc finger protein 468	Other	other
4348	TRIM44	-0.411	8.136	0.31332	0.86537	tripartite motif containing 44	Cytoplasm	other
4349	C1orf1212	-0.436	6.824	0.31332	0.86537	small integral membrane protein 12	Other	other
4350	PEX16	-0.524	5.960	0.31328	0.86537	peroxisomal biogenesis factor 16	Cytoplasm	other
4351	RANP6	-0.909	3.802	0.31324	0.86537	RAN, member RAS oncogene family pseudogene 6	Other	other
4352	TMEM120B	1.040	3.717	0.31345	0.86541	transmembrane protein 120B	Other	other
4353	WBP11	-0.379</						

4356	RNH1	-0.404	7.473	0.31378	0.86568	ribonuclease/angiogenin inhibitor 1	Cytoplasm	other
4357	ARMIC2	1.125	3.510	0.31393	0.86588	armadillo repeat containing 2	Extracellular Space	other
4358	SNHG12	-0.538	5.789	0.31403	0.86595	small nucleolar RNA host gene 12	Other	other
4359	ATP6P1L	1.385	2.403	0.31466	0.86628	ATPase, H+ transporting, lysosomal accessory protein 1-like	Other	other
4360	WBP2	0.406	7.008	0.31444	0.86628	WW domain binding protein 2	Cytoplasm	other
4361	LPIN1	-0.364	7.783	0.3146	0.86628	lipin 1	Nucleus	phosphatase
4362	LIAP1	-0.576	5.972	0.31458	0.86628	tight junction associated protein 1 (peripheral)	Plasma Membrane	other
4363	RPA1	-0.805	5.236	0.31454	0.86628	RNA polymerase II associated protein 1	Other	other
4364	C4orf33	-0.928	4.365	0.31462	0.86628	chromosome 4 open reading frame 33	Other	other
4365	RHD10	-1.489	3.893	0.31444	0.86628	retinol dehydrogenase 10 (all-trans)	Nucleus	enzyme
4366	USP46	0.982	5.023	0.31482	0.86652	ubiquitin specific peptidase 46	Other	peptidase
4367	BCAR3	1.276	3.325	0.31493	0.86656	breast cancer anti-estrogen resistance 3	Cytoplasm	other
4368	ZNF24	0.346	8.022	0.315	0.86656	zinc finger protein 24	Nucleus	transcription regulator
4369	BCL2	-1.061	5.949	0.31505	0.86656	B-cell CLL/lymphoma 2	Cytoplasm	transporter
4370	GABPB1	-0.364	7.460	0.31541	0.86696	GA binding protein transcription factor, beta subunit 1	Nucleus	transcription regulator
4371	RCB1B2	-0.481	8.198	0.3154	0.86696	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2	Cytoplasm	other
4372	GUF1	-0.671	5.543	0.31534	0.86696	GUF1 GTPase homolog (S. cerevisiae)	Cytoplasm	other
4373	RAB7A	-0.329	8.553	0.3155	0.867	RAB7A, member RAS oncogene family	Cytoplasm	enzyme
4374	CCDC168	1.597	2.969	0.31734	0.8676	coiled-coil domain containing 168	Other	other
4375	EPOR	0.772	4.951	0.31671	0.8676	erythropoietin receptor	Plasma Membrane	transmembrane receptor
4376	UBR3	0.677	5.786	0.31752	0.8676	ubiquitin protein ligase E3 component n-recognin 3 (putative)	Other	enzyme
4377	ZYVE19	0.632	5.376	0.31691	0.8676	zinc finger, FYVE domain containing 19	Cytoplasm	other
4378	KDM6A	0.446	6.465	0.31651	0.8676	lysine (K)-specific demethylase 6A	Nucleus	other
4379	PSIP1	0.403	7.153	0.31698	0.8676	PC4 and SFRS3 interacting protein 1	Nucleus	other
4380	PPCS	0.384	7.083	0.31655	0.8676	phosphopantetheinyltransferase	Cytoplasm	enzyme
4381	NASP	0.380	7.583	0.31683	0.8676	nuclear autoantigenic sperm protein (histone-binding)	Nucleus	other
4382	FTLP3	-0.382	7.129	0.31634	0.8676	ferritin, light polypeptide pseudogene 3	Other	other
4383	MEAL	-0.407	6.832	0.31722	0.8676	male-enhanced antigen 1	Cytoplasm	other
4384	ASTE1	-0.434	6.636	0.31613	0.8676	asteroid homolog 1 (Drosophila)	Other	other
4385	ABCE1	-0.436	6.886	0.31619	0.8676	ATP-binding cassette, sub-family E (OABP), member 1	Cytoplasm	transporter
4386	PGIC	-0.443	6.954	0.31744	0.8676	phosphatidylinositol glycan anchor biosynthesis, class C	Cytoplasm	enzyme
4387	IVD	-0.486	6.482	0.31661	0.8676	isovaleryl-CoA dehydrogenase	Cytoplasm	enzyme
4388	UQCRC1	-0.503	6.116	0.31684	0.8676	ubiquinol-cytochrome c reductase, complex III subunit XI	Cytoplasm	enzyme
4389	SKP1P1	-0.539	5.717	0.31736	0.8676	S-phase kinase-associated protein 1 pseudogene 1	Other	other
4390	UBL5	-0.545	5.807	0.31592	0.8676	ubiquitin-like 5	Cytoplasm	other
4391	GRPEL2	-0.574	5.778	0.31596	0.8676	GripE-like 2, mitochondrial (E. coli)	Cytoplasm	other
4392	TPRKB	-0.652	5.116	0.31742	0.8676	TPS3RK binding protein	Cytoplasm	other
4393	RAB4B	-0.669	5.016	0.3174	0.8676	RAB4B, member RAS oncogene family	Plasma Membrane	enzyme
4394	CHKB	-1.183	2.780	0.31623	0.8676	choline kinase beta	Cytoplasm	kinase
4395	MEST	-1.206	3.763	0.31701	0.8676	mesoderm specific transcript	Cytoplasm	peptidase
4396	THTPA	-1.318	3.259	0.31629	0.8676	thiamine triphosphatase	Cytoplasm	phosphatase
4397	Clorf213	-1.399	2.720	0.31746	0.8676	ZNF436 antisense RNA 1	Other	other
4398	USF1P1	-1.597	2.264	0.31707	0.8676	upstream transcription factor 1 pseudogene 1	Other	other
4399	PIGAM	1.508	3.303	0.31802	0.86838	phosphorylase, glycogen, muscle	Cytoplasm	enzyme
4400	AKR1A2P1	1.304	2.854	0.31802	0.86838	aldo-keto reductase family 7, member A2 pseudogene 1	Other	other
4401	MIOC	0.525	5.827	0.31793	0.86838	missing oocyte, meiosis regulator, homolog (Drosophila)	Cytoplasm	other
4402	ERCC6	0.580	5.642	0.31816	0.86857	excision repair cross-complementation group 6	Nucleus	transcription regulator
4403	SRP68	0.435	7.383	0.31838	0.86879	signal recognition particle 68kDa	Nucleus	other
4404	TP53I3	-1.378	2.241	0.31839	0.86879	tumor protein p53 inducible protein 3	Cytoplasm	enzyme
4405	EPB41L4A	-1.151	3.897	0.31848	0.86884	erythrocyte membrane protein band 4.1 like 4A	Extracellular Space	other
4406	SLC17A5	0.874	4.724	0.31926	0.87016	solute carrier family 17 (acidic sugar transporter), member 5	Plasma Membrane	transporter
4407	SLC35D2	0.791	5.102	0.31912	0.87016	solute carrier family 35 (UDP-GlcNAc/UDP-glucose transporter), member D2	Cytoplasm	transporter
4408	FBXO11	0.495	6.062	0.31927	0.87016	F-box protein 11	Cytoplasm	enzyme
4409	DHX9P1	-0.594	5.417	0.3194	0.87016	DEAH (Asp-Glu-Ala-His) box polypeptide 9 pseudogene 1	Other	other
4410	ZNF891	-0.755	4.937	0.31939	0.87016	zinc finger protein 891	Other	other
4411	CLDN11	-1.938	2.534	0.31914	0.87016	claudin 11	Plasma Membrane	other
4412	KDMAA-AS	1.343	2.726	0.31999	0.87017	KDMAA antisense RNA 1	Other	other
4413	ZNF497P	1.073	4.230	0.32058	0.8707	zinc finger protein 487	Other	other
4414	SPATA6	0.983	4.131	0.31997	0.8707	spermatogenesis associated 6	Other	other
4415	SH2B1	0.856	4.008	0.32057	0.8707	SH2B adaptor protein 1	Cytoplasm	other
4416	ZNF624	0.834	5.196	0.32006	0.8707	zinc finger protein 624	Nucleus	other
4417	RASGRP2	0.801	5.701	0.31994	0.8707	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	Cytoplasm	other
4418	EHMT2	0.614	6.331	0.32022	0.8707	euchromatic histone-lysine N-methyltransferase 2	Nucleus	transcription regulator
4419	FAM91A1	0.563	6.011	0.32066	0.8707	family with sequence similarity 91, member A1	Other	other
4420	SLAMF1	0.520	8.270	0.32076	0.8707	signaling lymphocytic activation molecule family member 1	Plasma Membrane	transmembrane receptor
4421	VP551	0.469	6.723	0.32036	0.8707	vacuolar protein sorting 51 homolog (S. cerevisiae)	Cytoplasm	other
4422	SENP5	0.460	6.994	0.32045	0.8707	SUMO1/sentinin specific peptidase 5	Nucleus	peptidase
4423	RPS6KA1	0.423	7.619	0.32019	0.8707	ribosomal protein S6 kinase, 90kDa, polypeptide 1	Cytoplasm	kinase
4424	TRIM43	0.384	7.639	0.32076	0.8707	transmembrane motif containing 33	Nucleus	transcription regulator
4425	ARHGAP25	-0.379	7.200	0.32083	0.8707	Rho GTPase activating protein 25	Cytoplasm	other
4426	PXC1	-0.599	6.100	0.32005	0.8707	translocase of inner mitochondrial membrane 10 homolog B (yeast)	Cytoplasm	transporter
4427	ZNF562	-0.696	5.389	0.32047	0.8707	zinc finger protein 562	Nucleus	other
4428	FADS2	-1.727	3.050	0.32006	0.8707	fatty acid desaturase 2	Plasma Membrane	enzyme
4429	CASC3	0.427	7.456	0.32094	0.87078	cancer susceptibility candidate 3	Nucleus	other
4430	TONSL	-1.573	2.084	0.321	0.87078	tonsoku-like, DNA repair protein	Cytoplasm	transcription regulator
4431	KRTAP16-1	1.415	3.347	0.32124	0.87105	keratin associated protein 16-1	Other	other
4432	CD84	-0.474	7.413	0.32124	0.87105	CD84 molecule	Plasma Membrane	other
4433	PSMD7P1	-0.935	3.863	0.32143	0.87136	proteasome (prosome, macropain) 26S subunit, non-ATPase, 7 pseudogene 1	Other	other
4434	CYP4F22	1.390	3.690	0.32185	0.87216	cytochrome P450, family 4, subfamily F, polypeptide 22	Extracellular Space	enzyme
4435	MRPL30	0.754	4.731	0.32187	0.87216	mitochondrial ribosomal protein L30	Cytoplasm	other
4436	LAPTM5	0.363	8.900	0.32207	0.87225	lysosomal protein transmembrane 5	Plasma Membrane	other
4437	UCRDL2	-1.369	2.217	0.32217	0.87258	discoilin, CUB and LCC1 domain containing 2	Plasma Membrane	other
4438	MAPK7	0.847	4.332	0.32284	0.87295	mitogen-activated protein kinase 7	Cytoplasm	kinase
4439	MTFRFD1	0.534	5.901	0.32279	0.87295	mitochondrial transcription termination factor 3	Cytoplasm	other
4440	SERINC1	0.326	8.739	0.32289	0.87295	serine incorporator 1	Plasma Membrane	transporter
4441	SUMO2P1	-0.798	4.288	0.32246	0.87295	SUMO2 pseudogene 1	Other	other
4442	TBC1D22B	-0.892	4.145	0.3227	0.87295	TBC1 domain family, member 22B	Other	other
4443	PSEN2	-1.115	3.917	0.3228	0.87295	presenilin 2	Cytoplasm	peptidase
4444	PIN1P1	-1.308	2.435	0.32285	0.87295	peptidylprolyl cis/trans isomerase, NIMA-interacting 1 pseudogene 1	Other	other
4445	ZNF490	-1.839	2.482	0.32241	0.87295	zinc finger protein 490	Nucleus	other
4446	PTGR2	-1.196	3.509	0.32301	0.87309	prostaglandin reductase 2	Cytoplasm	enzyme
4447	MIFAGD	-0.439	7.030	0.32323	0.87322	MIFAG domain containing	Other	other
4448	TIMM113	-0.538	5.815	0.32319	0.87322	translocase of inner mitochondrial membrane 13 homolog (yeast)	Cytoplasm	transporter
4449	POLR3H	-0.801	5.078	0.32335	0.87322	polymyxase (RNA III (DNA directed)) polypeptide H (22.9kD)	Nucleus	enzyme
4450	LGALS4	-1.773	1.967	0.32334	0.87322	lectin, galactose-binding, soluble, 4	Extracellular Space	other
4451	ZBTB20-AS	1.147	2.940	0.3236	0.8733	ZBTB20 antisense RNA 4	Other	other
4452	SDN1	0.606	7.762	0.3236	0.8733	staphylococcal nuclease and tudor domain containing 1	Nucleus	enzyme
4453	CLPTM1	-0.854	4.409	0.3236	0.8733	cleft lip and palate associated transmembrane protein 1	Plasma Membrane	other
4454	CAMSAP1	-0.852	5.105	0.32368	0.87332	calmodulin regulated spectrin-associated protein 1	Cytoplasm	other
4455	BCOR	0.452	6.942	0.32389	0.87348	BCL6 corepressor	Nucleus	transcription regulator
4456	TAP2	-0.846	5.845	0.32387	0.87348	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Cytoplasm	transporter
4457	LRRC37A2	1.248	2.780	0.3242	0.87395	leucine rich repeat containing 37, member A3	Other	other
4458	ERV3-1	0.681	5.085	0.32428	0.87395	endogenous retrovirus group 3, member 1	Cytoplasm	other
4459	EDEM1	-0.413	7.128	0.32427	0.87395	ER degradation enhancer, mannosidase alpha-like 1	Cytoplasm	enzyme
4460	IDH2	-0.542	6.138	0.32448	0.87431	isocitrate dehydrogenase 2 (NADP+), mitochondrial	Cytoplasm	enzyme
4461	EFHD2	-0.472	6.715	0.32459	0.87444	EF-hand domain family, member D2	Other	other
4462	INPP4B	0.559	7.427	0.32449	0.87485	inositol triphosphate 4-phosphatase, type II, 105kDa	Cytoplasm	phosphatase
4463	ZNF43	-0.627	5.781	0.32483	0.87485	zinc finger protein 43	Nucleus	other
4464	CHMP1B	0.477	6.184	0.32508	0.87496	charged multivesicular body protein 1B	Plasma Membrane	enzyme
4465	CEP120	-0.426	7.023	0.32509	0.87496	centrosomal protein 120kDa	Cytoplasm	other
4466	MTBP	1.102	3.148	0.32562	0.8754	MDM2 binding protein	Cytoplasm	other
4467	HMGXB4	0.455	6.629	0.3255	0.8754	HMG box domain containing 4	Nucleus	other
4468	ABT1	-0.384	7.151	0.32547	0.8754	activator of basal transcription 1	Nucleus	transcription regulator
4469	ASNSD1	-0.455	7.115	0.32543	0.8754	asparagine synthetase domain containing 1	Other	enzyme
4470	MRPL34	-0.535	6.082	0.32557	0.8754	mitochondrial ribosomal protein L34	Cytoplasm	other
4471	TAMM41	0.570	5.626	0.3261	0.87551	TAM41, mitochondrial translocator assembly and maintenance protein, homolog (S. cerevisiae)	Cytoplasm	enzyme
4472	DHCR7	0.547	5.968	0.32605	0.87551	7-dehydrocholesterol reductase	Cytoplasm	enzyme
4473	PSMD6-AS	0.487	6.598	0.32616	0.87551	PSMD6 antisense RNA 2	Other	other
4474	NSICH	0.432	7.380	0.32605	0.87551	mechan	Plasma Membrane	other
4475	SF3A3	-0.337	7.681	0.32614	0.87551	splicing factor 3a, subunit 3, 60kDa	Nucleus	other
4476	STX4	-0.665	5.446	0.32578	0.87551	syntaxin 4	Plasma Membrane	transporter
4477	VTJ1BP1	-0.990	3.113	0.32617	0.87551	vesicle transport through interaction with t-SNAREs 1B pseudogene 1	Other	other
4478	IFT57	-0.466	6.241	0.3264	0.87582	intraflagellar transport 57	Cytoplasm	other
4479	C16orf72	-0.514	6.096	0.32654	0.87582	chromosome 16 open reading frame 72	Plasma Membrane	other
4480	TPPAL	-0.626	5.711	0.32657	0.87582	tocopherol (alpha) transfer protein-like	Other	other
4481	SPATA2	-0.857	4.555	0.32657	0.87582	spermatogenesis associated 2	Extracellular Space	other
4482	TMEM203	-0.507	6.164	0.32671	0.87598	transmembrane protein 203	Other	other
4483	GPR82	1.320	3.048	0.3278	0.87611	G protein-coupled receptor 82	Plasma Membrane	G-protein coupled receptor
4484	RPS3P7	1.190	2.746	0.32888	0.87611	ribosomal protein S3 pseudogene 7	Other	other
4485	CBX4	0.842	4.429					

4488	KIAA0146	0.640	6.300	0.32732	0.87611	scaffolding protein involved in DNA repair	Nucleus	other
4489	ATG2B	0.629	6.589	0.3281	0.87611	autophagy related 2B	Other	other
4490	PLEKHM1P	0.628	5.452	0.32866	0.87611	pleckstrin homology domain containing, family M (with RUN domain) member 1 pseudogene	Other	other
4491	ENTPDS	0.610	5.166	0.32802	0.87611	ectonucleoside triphosphate diphosphohydrolase 5	Cytoplasm	enzyme
4492	CAPN10	0.590	5.689	0.3296	0.87611	calpain 10	Cytoplasm	peptidase
4493	DBF4	0.581	5.478	0.3295	0.87611	DBF4 zinc finger	Nucleus	kinase
4494	GRAMD1A	0.569	5.822	0.32713	0.87611	GRAM domain containing 1A	Extracellular Space	other
4495	ANAPC4	0.410	7.084	0.32742	0.87611	anaphase promoting complex subunit 4	Nucleus	enzyme
4496	RNF13	0.402	6.974	0.32899	0.87611	ring finger protein 13	Cytoplasm	enzyme
4497	SMC5	0.368	7.259	0.32797	0.87611	structural maintenance of chromosomes 5	Nucleus	other
4498	CBLL1	0.357	7.400	0.32943	0.87611	Cbl proto-oncogene-like 1, E3 ubiquitin protein ligase	Nucleus	enzyme
4499	ARL4C	0.355	9.397	0.3283	0.87611	ADP-ribosylation factor-like 4C	Nucleus	enzyme
4500	WDR6	0.353	7.948	0.32763	0.87611	WD repeat domain 6	Cytoplasm	other
4501	ELF1	0.352	8.704	0.32695	0.87611	E74-like factor 1 (ets domain transcription factor)	Nucleus	transcription regulator
4502	RAB18	-0.349	7.882	0.32837	0.87611	RAB18, member RAS oncogene family	Cytoplasm	enzyme
4503	HACL1	-0.360	7.586	0.3288	0.87611	2-hydroxyacyl-CoA lyase 1	Cytoplasm	enzyme
4504	RAB7L1	-0.393	6.854	0.32698	0.87611	RAB29, member RAS oncogene family	Plasma Membrane	enzyme
4505	PSEN1	-0.410	7.162	0.32955	0.87611	presenilin 1	Plasma Membrane	peptidase
4506	NCK1	-0.452	6.573	0.32763	0.87611	NCK adaptor protein 1	Cytoplasm	kinase
4507	DBP1C1	-0.458	6.458	0.32848	0.87611	oligonucleotide/oligosaccharide-binding fold containing 1	Nucleus	other
4508	CASP8A2	-0.460	6.913	0.32967	0.87611	caspace 8 associated protein 2	Nucleus	transcription regulator
4509	SMARCA4	-0.463	6.726	0.32954	0.87611	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4	Nucleus	transcription regulator
4510	DIP2A	-0.496	6.596	0.32928	0.87611	DIP2 disco-interacting protein 2 homolog A (Drosophila)	Nucleus	transcription regulator
4511	ALG8	-0.538	6.026	0.32953	0.87611	ALG8, alpha-1,3-glucosyltransferase	Cytoplasm	enzyme
4512	ACSL1	-0.667	5.762	0.32867	0.87611	acyl-CoA synthetase long-chain family member 1	Cytoplasm	enzyme
4513	UGDH	-0.678	5.886	0.32878	0.87611	UDP-glucose 6-dehydrogenase	Nucleus	enzyme
4514	EMG1	-0.681	5.017	0.3273	0.87611	EMG1 N1-specific pseudouridine methyltransferase	Nucleus	other
4515	USP40	-0.893	4.427	0.32894	0.87611	ubiquitin specific peptidase 40	Other	peptidase
4516	TCEB2P2	-1.012	2.940	0.32862	0.87611	transcription elongation factor B (SII), polypeptide 2 (18kDa, elongin B) pseudogene 2	Other	other
4517	EVIS	-1.031	3.618	0.32902	0.87611	ecotropic viral integration site 5	Cytoplasm	other
4518	ZNF771	-1.050	3.321	0.32737	0.87611	zinc finger protein 771	Other	other
4519	SLC25A23	-1.596	3.131	0.32876	0.87611	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 23	Cytoplasm	transporter
4520	ABR3BP	-1.628	2.570	0.32859	0.87611	Abi family, member 3 (NEP4) binding protein	Extracellular Space	other
4521	SMARCA1	-1.693	2.965	0.32792	0.87611	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 1	Nucleus	transcription regulator
4522	TRBV11-2	-1.769	2.963	0.32851	0.87611	T cell receptor beta variable 11-2	Other	other
4523	OAZ2	-0.485	6.287	0.33005	0.87634	ornithine decarboxylase antizyme 2	Cytoplasm	other
4524	HK1	0.374	8.165	0.33	0.87634	hexokinase 1	Cytoplasm	kinase
4525	RAB9A	-0.648	5.396	0.33001	0.87634	RAB9A, member RAS oncogene family	Cytoplasm	enzyme
4526	P2RY14	-0.755	4.699	0.32989	0.87634	purinergic receptor P2Y, G-protein coupled, 14	Plasma Membrane	G-protein coupled receptor
4527	NUDT16L1	0.555	6.124	0.33016	0.87645	nudix (nucleoside diphosphate linked moiety X)-type motif 16-like 1	Cytoplasm	other
4528	C7orf73	-0.426	6.670	0.33027	0.87654	chromosome 7 open reading frame 73	Other	other
4529	GSS	-0.484	6.398	0.33044	0.87679	glutathione synthetase	Cytoplasm	enzyme
4530	PEB2	0.769	5.023	0.33067	0.87692	cytoplasmic polyadenylation element binding protein 2	Cytoplasm	translation regulator
4531	LINC00476	0.694	5.464	0.33062	0.87692	long intergenic non-protein coding RNA 476	Other	other
4532	B4GALT4	0.628	5.339	0.33078	0.87692	UDP-Gal 4-epimerase, beta 1,4-galactosyltransferase, polypeptide 4	Cytoplasm	enzyme
4533	WDR25	-1.055	4.519	0.33074	0.87692	WD repeat domain 25	Other	other
4534	JARID2	0.502	5.924	0.33106	0.87708	JARID2, AT rich interactive domain 2	Nucleus	transcription regulator
4535	TIMM17B	-0.530	5.796	0.33105	0.87708	translocase of inner mitochondrial membrane 17 homolog B (yeast)	Cytoplasm	transporter
4536	GPATCH2	-0.696	5.076	0.33094	0.87708	G patch domain containing 2	Other	other
4537	RUSC1	-0.618	5.417	0.33124	0.87737	RUN and SH3 domain containing 1	Cytoplasm	other
4538	UBL3	0.565	5.927	0.33152	0.87792	ubiquitin-like 3	Cytoplasm	other
4539	GCHFR	1.134	2.573	0.33168	0.87815	GTP cyclohydrolase I feedback regulator	Cytoplasm	other
4540	HSPA9P1	-0.469	6.128	0.33192	0.87886	heat shock 70kDa protein 9 pseudogene 1	Other	other
4541	NECAB3	1.162	2.893	0.33248	0.87881	N-terminal EF-hand calcium binding protein 3	Cytoplasm	other
4542	CAMK2N1	1.158	3.073	0.33289	0.87881	calcium/calmodulin-dependent protein kinase II inhibitor 1	Plasma Membrane	kinase
4543	UNC93B1	1.143	3.508	0.33275	0.87881	unc-93 homolog B.1 (C. elegans)	Other	other
4544	COX10	0.696	5.005	0.33232	0.87881	COX10 heme A-farnesyltransferase cytochrome c oxidase assembly factor	Cytoplasm	enzyme
4545	SDS	0.466	7.100	0.33209	0.87881	Shwachman-Radfar-Diamond syndrome	Nucleus	other
4546	RUM	0.409	6.673	0.33314	0.87881	ring finger protein, LIM domain interacting	Nucleus	enzyme
4547	TRAT1	0.346	7.507	0.33272	0.87881	T cell receptor associated transmembrane adaptor 1	Plasma Membrane	kinase
4548	IST1	0.323	8.095	0.33324	0.87881	increased sodium tolerance 1 homolog (yeast)	Cytoplasm	other
4549	RER1	-0.337	7.517	0.33293	0.87881	retention in endoplasmic reticulum sorting receptor 1	Cytoplasm	other
4550	TMCO1	-0.398	7.091	0.33272	0.87881	transmembrane and coiled-coil domains 1	Cytoplasm	other
4551	ATE1	-0.491	6.496	0.33294	0.87881	arginyltransferase 1	Nucleus	enzyme
4552	SNAPC3	-0.501	6.307	0.33243	0.87881	small nuclear RNA activating complex, polypeptide 3, 50kDa	Nucleus	other
4553	ZNF621	-0.604	5.606	0.33241	0.87881	zinc finger protein 621	Nucleus	other
4554	ST6GALNA4	-0.702	4.661	0.33295	0.87881	ST6 (alpha-N-acetyl-neuraminy-2,3-beta-galactosyl-1,3)-N-acetylglucosaminide alpha-2,6-sialyltransferase 4	Cytoplasm	enzyme
4555	CZCD3	-0.706	5.975	0.33263	0.87881	C2 calcium-dependent domain containing 3	Cytoplasm	other
4556	ALG10B	-0.947	4.138	0.33234	0.87881	ALG10B, alpha-1,2-glucosyltransferase	Plasma Membrane	transporter
4557	CYP2U1	-1.227	3.720	0.33318	0.87881	cytochrome P450, family 2, subfamily U, polypeptide 1	Cytoplasm	enzyme
4558	XPB5	1.321	3.911	0.33354	0.87882	exophilin 5	Cytoplasm	other
4559	RNF8	0.673	5.328	0.33334	0.87882	ring finger protein 8, E3 ubiquitin protein ligase	Nucleus	enzyme
4560	PXK	0.592	5.444	0.33335	0.87882	PX domain containing serine/threonine kinase	Cytoplasm	kinase
4561	ZNF506	-0.483	6.159	0.33343	0.87882	zinc finger protein 506	Nucleus	other
4562	DUSP6	-0.961	6.276	0.33383	0.87939	dual specificity phosphatase 6	Cytoplasm	phosphatase
4563	STXBPA	0.699	5.215	0.33391	0.87941	syntaxin binding protein 4	Cytoplasm	other
4564	MKNK2	0.650	5.308	0.33342	0.87941	MAP kinase interacting serine/threonine kinase 2	Cytoplasm	kinase
4565	CD320	0.629	5.613	0.33403	0.87941	CD320 molecule	Plasma Membrane	other
4566	ATP13A3	0.468	6.547	0.33421	0.87941	ATPase type 13A3	Extracellular Space	transporter
4567	C18orf25	0.391	6.834	0.33419	0.87941	chromosome 18 open reading frame 25	Other	other
4568	TIMELESS	-0.824	4.792	0.33428	0.87941	timeless circadian clock	Nucleus	other
4569	DOD50P1	0.916	3.817	0.33466	0.87965	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 50 pseudogene 1	Other	other
4570	TYXL1	0.605	5.225	0.33346	0.87965	serine/threonine/tyrosine interacting-like 1	Cytoplasm	phosphatase
4571	PSMCA	-0.489	7.658	0.33457	0.87965	proteasome (prosome, macropain) 26S subunit, ATPase, 4	Nucleus	peptidase
4572	OSTCP4	-1.274	2.571	0.33454	0.87965	oligosaccharyltransferase complex subunit pseudogene 4	Other	other
4573	CIC	0.987	3.411	0.33493	0.87986	capicua transcriptional repressor	Other	other
4574	UNC13D	0.498	6.649	0.33501	0.87986	unc-13 homolog D (C. elegans)	Cytoplasm	other
4575	WHSC1	0.452	6.393	0.33508	0.87986	Wolf-Hirschhorn syndrome candidate 1	Nucleus	enzyme
4576	CCDC130	-0.384	6.934	0.33533	0.87986	coiled-coil domain containing 130	Other	other
4577	NUDT21	-0.387	7.288	0.33489	0.87986	nudix (nucleoside diphosphate linked moiety X)-type motif 21	Nucleus	other
4578	BCS1L	-0.423	6.555	0.3352	0.87986	BC1 (ubiquinol-cytochrome c reductase) synthesis-like	Cytoplasm	other
4579	SLC35F5	-0.684	5.089	0.33527	0.87986	solute carrier family 35, member F5	Other	other
4580	VARS2	-0.826	4.444	0.33524	0.87986	valyl-tRNA synthetase 2, mitochondrial	Cytoplasm	enzyme
4581	C19orf73	2.141	1.843	0.33563	0.88001	chromosome 19 open reading frame 73	Other	other
4582	PRRC2B	0.494	6.236	0.33563	0.88001	proline-rich coiled-coil 2B	Other	other
4583	NDUFB11	-0.419	6.428	0.33563	0.88001	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 11, 17.3kDa	Cytoplasm	enzyme
4584	RAB28	-0.724	5.228	0.33568	0.88001	RAB28, member RAS oncogene family	Plasma Membrane	enzyme
4585	SMAP1	0.574	5.966	0.33599	0.88015	small ArfGAP 1	Cytoplasm	other
4586	TM2D3	-0.379	7.116	0.33587	0.88015	TM2 domain containing 3	Other	other
4587	MBD2	-0.401	6.647	0.33616	0.88015	methyl-CpG binding domain protein 2	Nucleus	transcription regulator
4588	MRPL17	-0.645	5.188	0.33593	0.88015	mitochondrial ribosomal protein L17	Cytoplasm	other
4589	VOPP1	-0.713	4.829	0.33617	0.88015	vesicular, overexpressed in cancer, pro-survival protein 1	Nucleus	other
4590	TRIM58	-1.542	2.738	0.33617	0.88015	tripartite motif containing 58	Other	other
4591	C1orf86	0.563	5.479	0.33628	0.88021	chromosome 1 open reading frame 86	Nucleus	other
4592	ZDHHC3	0.505	6.347	0.33641	0.88021	zinc finger, DHHC-type containing 3	Cytoplasm	peptidase
4593	KIAA1147	0.384	7.244	0.33639	0.88021	KIAA1147	Other	other
4594	SH2BPL	1.229	3.725	0.33656	0.88004	SH3-binding domain protein 5-like	Other	other
4595	SNX14	-0.391	6.990	0.33663	0.88004	sorting nexin 14	Other	transporter
4596	NIF3L1	-0.604	5.512	0.33681	0.88068	NIF3 NRG1 interacting factor 3-like 1 (S. cerevisiae)	Cytoplasm	other
4597	LAIR1	0.487	6.531	0.33693	0.88079	leukocyte-associated immunoglobulin-like receptor 1	Plasma Membrane	transmembrane receptor
4598	FRMD8P1	2.202	1.867	0.34498	0.88091	FERM domain containing 8 pseudogene 1	Other	other
4599	CCDC150	2.114	1.831	0.34192	0.88091	coiled-coil domain containing 150	Other	other
4600	PAK4	1.805	1.837	0.34002	0.88091	p21 protein (Cdc42/Rac)-activated kinase 4	Cytoplasm	kinase
4601	ST6GALNA4	1.805	1.837	0.33994	0.88091	ST6 (alpha-N-acetyl-neuraminy-2,3-beta-galactosyl-1,3)-N-acetylglucosaminide alpha-2,6-sialyltransferase 4 pseudogene 1	Other	other
4602	HLA-DOB	1.673	2.573	0.34276	0.88091	major histocompatibility complex, class II, DO beta	Plasma Membrane	transmembrane receptor
4603	RTN4RL1	1.587	2.258	0.34195	0.88091	reticulon 4 receptor-like 1	Plasma Membrane	other
4604	DNACU27-A	1.331	2.339	0.34384	0.88091	DNACU27 antisense RNA 1	Other	other
4605	PHNAP2	1.288	2.584	0.34536	0.88091	phosphatidylinositol 4-kinase, catalytic, alpha pseudogene 2	Other	other
4606	CLYBL	1.252	3.286	0.33978	0.88091	citrate lyase beta like	Cytoplasm	enzyme
4607	TAS2R6AP	1.214	3.208	0.34539	0.88091	taste receptor, type 2, member 64, pseudogene	Other	other
4608	NIPAL2	1.173	3.861	0.34249	0.88091	NIPA-like domain containing 2	Other	other
4609	PAFAH1B3	1.143	3.616	0.34418	0.88091	platelet-activating factor acetylhydrolase 1b, catalytic subunit 3 (29kDa)	Cytoplasm	enzyme
4610	GNB1L	1.081	4.305	0.34128	0.88091	guanine nucleotide binding protein (G protein), beta polypeptide 1-like	Cytoplasm	other
4611	MEO22	1.056	4.858	0.34463	0.88091	mediator complex subunit 22	Cytoplasm	other
4612	EPB41L5	1.045	3.618	0.33992	0.88091	erythrocyte membrane protein band 4.1 like 5	Plasma Membrane	other
4613	COX20	1.025	3.425	0.34321	0.88091	COX20 cytochrome c oxidase assembly factor	Cytoplasm	other
4614	TPCN2	1.014	4.278	0.33962	0.88			

4620	PMM1	0,870	4,768	0.33714	0.88091	phosphomannomutase 1		Cytoplasm	enzyme
4621	C20orf194	0,866	4,248	0.33733	0.88091	chromosome 20 open reading frame 194		Nucleus	other
4622	FANCL	0,856	4,267	0.34311	0.88091	Fanconi anemia, complementation group L		Nucleus	enzyme
4623	JAKMIP2	0,846	5,398	0.33819	0.88091	janus kinase and microtubule interacting protein 2		Extracellular Space	other
4624	FAM13A-AS1	0,846	4,767	0.34601	0.88091	FAM13A antisense RNA 1		Other	other
4625	ABL1	0,816	5,476	0.34588	0.88091	ABL proto-oncogene 1, non-receptor tyrosine kinase		Nucleus	kinase
4626	MMMP2L	0,794	4,401	0.34307	0.88091	IMP2 inner mitochondrial membrane peptidase-like (S. cerevisiae)		Cytoplasm	peptidase
4627	RNF03	0,761	5,827	0.34246	0.88091	ring finger and WD repeat domain 3		Nucleus	enzyme
4628	PMM2	0,723	5,036	0.34242	0.88091	phosphomannomutase 2		Cytoplasm	enzyme
4629	CMTM7	0,710	5,067	0.34455	0.88091	CKLF-like MARVEL transmembrane domain containing 7		Extracellular Space	cytokine
4630	CASC4	0,707	5,740	0.33895	0.88091	cancer susceptibility candidate 4		Cytoplasm	other
4631	ZNF30	0,701	5,669	0.33982	0.88091	zinc finger protein 30		Nucleus	other
4632	RNF44	0,701	4,940	0.3424	0.88091	ring finger protein 44		Other	other
4633	TRMT2B	0,633	5,653	0.34272	0.88091	tRNA methyltransferase 2 homolog B (S. cerevisiae)		Cytoplasm	enzyme
4634	INVS	0,600	5,255	0.34193	0.88091	inversin		Nucleus	transcription regulator
4635	PDLIM2	0,592	5,674	0.33733	0.88091	PDZ and LIM domain 2 (mystique)		Cytoplasm	other
4636	TCEAL8	0,582	5,783	0.34165	0.88091	transcription elongation factor A (SII)-like 8		Other	other
4637	UNC45A	0,542	6,232	0.34592	0.88091	unc-45 homolog A (C. elegans)		Plasma Membrane	other
4638	RHL1	0,541	5,577	0.34153	0.88091	four and a half LIM domains 1		Cytoplasm	other
4639	RPL41	0,538	5,690	0.34535	0.88091	ribosomal protein L41		Cytoplasm	other
4640	ATP8B2	0,538	5,556	0.24055	0.88091	ATPase, aminophospholipid transporter, class I, type 8B, member 2		Plasma Membrane	transporter
4641	CSRP1	0,509	6,010	0.3389	0.88091	cysteine and glycine-rich protein 1		Nucleus	other
4642	LMBRD1	0,440	6,780	0.34171	0.88091	LMBR1 domain containing 1		Cytoplasm	other
4643	AQR	0,430	7,882	0.33959	0.88091	aquarius intron-binding spliceosomal factor		Nucleus	other
4644	FAM208B	0,422	7,256	0.33799	0.88091	family with sequence similarity 208, member B		Nucleus	other
4645	DEDD2	0,414	7,164	0.33994	0.88091	death effector domain containing 2		Nucleus	other
4646	PGM3	0,394	6,823	0.34606	0.88091	phosphoglucomutase 3		Cytoplasm	enzyme
4647	NUP214	0,392	6,893	0.33962	0.88091	nucleoporin 214kDa		Nucleus	transporter
4648	HSPA5	0,384	9,341	0.34443	0.88091	heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)		Cytoplasm	enzyme
4649	SIK3	0,381	7,058	0.34005	0.88091	SIK family kinase 3		Cytoplasm	kinase
4650	PPAPDC1B	0,366	7,469	0.3371	0.88091	phosphatidic acid phosphatase type 2 domain containing 1B		Other	phosphatase
4651	KIAA1551	0,352	9,920	0.33809	0.88091	KIAA1551		Other	other
4652	RPS27A	0,346	7,209	0.34432	0.88091	ribosomal protein S27a		Nucleus	other
4653	PNISR	0,344	6,695	0.34493	0.88091	PNK-interacting serine/arginine-rich protein		Nucleus	other
4654	POLE3	0,343	7,471	0.34476	0.88091	polymerase (DNA directed), epsilon 3, accessory subunit		Nucleus	enzyme
4655	TRA2B	0,341	8,296	0.34221	0.88091	transformer 2 beta homolog (Drosophila)		Nucleus	other
4656	KBTBD2	0,332	8,189	0.34563	0.88091	kelch repeat and BTB (POZ) domain containing 2		Other	other
4657	H2AFV	0,329	8,104	0.34577	0.88091	H2A histone family, member V		Nucleus	other
4658	LHDH	0,314	9,233	0.34323	0.88091	lactate dehydrogenase B		Cytoplasm	enzyme
4659	HLA-C	0,301	9,618	0.34583	0.88091	major histocompatibility complex, class I, C		Plasma Membrane	other
4660	BBX	-0,314	8,430	0.33976	0.88091	bobby sox homolog (Drosophila)		Nucleus	other
4661	PTGES3	-0,325	7,751	0.33891	0.88091	prostaglandin E synthase 3 (cytosolic)		Cytoplasm	enzyme
4662	UGF2	-0,332	7,787	0.3425	0.88091	UDP-glucose pyrophosphorylase 2		Cytoplasm	enzyme
4663	REC1	-0,350	7,622	0.33913	0.88091	beclin 1, autophagy related		Cytoplasm	other
4664	LBR	-0,359	8,143	0.33898	0.88091	lamin B receptor		Nucleus	enzyme
4665	YIPF3	-0,361	7,075	0.33793	0.88091	Yip1 domain family, member 3		Cytoplasm	other
4666	TXNDC12	-0,376	6,850	0.34271	0.88091	thioredoxin domain containing 12 (endoplasmic reticulum)		Cytoplasm	enzyme
4667	PCSK7	-0,388	7,761	0.34464	0.88091	proprotein convertase subtilisin/kexin type 7		Cytoplasm	peptidase
4668	SART1	-0,395	6,627	0.34581	0.88091	squamous cell carcinoma antigen recognized by T cells		Nucleus	other
4669	GNL2	-0,396	7,181	0.34143	0.88091	guanine nucleotide binding protein-like 2 (nucleolar)		Nucleus	enzyme
4670	TUBB4B	-0,410	7,423	0.34112	0.88091	tubulin, beta 4b class IVb		Cytoplasm	other
4671	TFAM	-0,432	6,606	0.33888	0.88091	transcription factor A, mitochondrial		Cytoplasm	transcription regulator
4672	CPSF2	-0,445	6,782	0.33919	0.88091	cleavage and polyadenylation specific factor 2, 100kDa		Nucleus	other
4673	TRIP4	-0,464	6,305	0.33742	0.88091	thyroid hormone receptor interactor 4		Nucleus	transcription regulator
4674	OSTM1	-0,468	6,123	0.34306	0.88091	osteopetrosis associated transmembrane protein 1		Cytoplasm	other
4675	IPOT	-0,481	6,033	0.33884	0.88091	importin 7		Nucleus	transporter
4676	UCP2	-0,481	7,280	0.34347	0.88091	uncoupling protein 2 (mitochondrial, proton carrier)		Cytoplasm	other
4677	CYBSR1	-0,494	6,001	0.33919	0.88091	cytochrome b5 reductase 1		Cytoplasm	enzyme
4678	CSOF43	-0,506	5,948	0.34178	0.88091	small integral membrane protein 15		Other	other
4679	MRPL28	-0,514	6,464	0.34073	0.88091	mitochondrial ribosomal protein L28		Cytoplasm	other
4680	RBM41	-0,518	6,191	0.34295	0.88091	RNA binding motif protein 41		Other	other
4681	STRN	-0,533	5,657	0.34288	0.88091	striatin, calmodulin binding protein		Cytoplasm	other
4682	RAP2A	-0,539	5,543	0.34036	0.88091	RAP2A, member of RAS oncogene family		Plasma Membrane	enzyme
4683	RNF145	-0,541	5,618	0.34385	0.88091	ring finger protein 145		Other	other
4684	ZBTB37	-0,553	6,176	0.33814	0.88091	zinc finger and BTB domain containing 37		Nucleus	other
4685	RRP36	-0,594	5,985	0.33815	0.88091	ribosomal RNA processing 36 homolog (S. cerevisiae)		Nucleus	other
4686	ITPR3	-0,605	5,635	0.34248	0.88091	inositol 1,4,5-trisphosphate receptor, type 3		Cytoplasm	ion channel
4687	YAE1D1	-0,661	5,072	0.34042	0.88091	Yae1 domain containing 1		Other	other
4688	HSPD1P1	-0,685	4,781	0.34198	0.88091	heat shock 68kDa protein 1 (chaperonin) pseudogene 1		Other	other
4689	C6orf703	-0,762	5,097	0.33896	0.88091	chromosome 6 open reading frame 203		Cytoplasm	other
4690	RPIA	-0,782	4,761	0.34547	0.88091	ribose 5-phosphate isomerase A		Cytoplasm	enzyme
4691	IGSF8	-0,786	5,121	0.34395	0.88091	immunoglobulin superfamily, member 8		Plasma Membrane	other
4692	TUBA1C	-0,809	4,342	0.33919	0.88091	tubulin, alpha 1C		Cytoplasm	other
4693	SNX12	-0,853	4,318	0.34363	0.88091	sorting nexin 12		Cytoplasm	transporter
4694	ANKRD40	-0,865	4,167	0.3414	0.88091	ankyrin repeat domain 40		Other	other
4695	DCP1B	-0,866	5,694	0.34552	0.88091	decapping mRNA 1B		Cytoplasm	other
4696	SPEC1L	-0,881	3,957	0.34288	0.88091	sperm antigen with calponin homology and coiled-coil domains 1-like		Extracellular Space	other
4697	APOBEC3F	-0,889	3,926	0.33913	0.88091	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3F		Cytoplasm	enzyme
4698	MOB3C	-0,899	4,836	0.3453	0.88091	MOB kinase activator 3C		Other	other
4699	MSRB2	-0,928	3,950	0.34296	0.88091	methionine sulfoxide reductase B2		Nucleus	transcription regulator
4700	ARL10	-0,932	4,387	0.34215	0.88091	ADP-ribosylation factor-like 10		Other	other
4701	CLorf56	-0,942	3,952	0.34284	0.88091	chromosome 1 open reading frame 56		Other	other
4702	NAT1	-0,955	4,026	0.3427	0.88091	N-acetyltransferase 1 (aniline/amine N-acetyltransferase)		Cytoplasm	enzyme
4703	MYEF2	-0,970	4,070	0.34512	0.88091	myelin expression factor 2		Nucleus	transcription regulator
4704	EMC6	-0,993	2,936	0.34554	0.88091	ER membrane protein complex subunit 6		Cytoplasm	other
4705	PARP3	-1,004	3,736	0.34063	0.88091	poly (ADP-ribose) polymerase family, member 3		Nucleus	enzyme
4706	TIGIT	-1,098	5,038	0.34557	0.88091	T cell immunoreceptor with Ig and ITIM domains		Plasma Membrane	other
4707	LINC00515	-1,103	2,546	0.34119	0.88091	long intergenic non-protein coding RNA 515		Other	other
4708	MPV17L2	-1,106	4,861	0.34568	0.88091	MPV17 mitochondrial membrane protein-like 2		Cytoplasm	other
4709	SLC16A4	-1,123	2,947	0.34002	0.88091	solute carrier family 16, member 4		Plasma Membrane	transporter
4710	KIAA1324	-1,136	3,815	0.34203	0.88091	KIAA1324		Plasma Membrane	other
4711	ZNF790	-1,151	4,594	0.34034	0.88091	zinc finger protein 790		Other	other
4712	RANBP17	-1,226	3,163	0.34595	0.88091	RAN binding protein 17		Nucleus	transporter
4713	TUSC1	-1,315	2,824	0.34315	0.88091	tumor suppressor candidate 1		Other	other
4714	CDC15	-1,351	3,985	0.34561	0.88091	coiled-coil domain containing 15		Other	other
4715	FXL19-AS1	-1,373	3,270	0.34599	0.88091	FXL19 antisense RNA 1 (head to head)		Other	other
4716	ARHGFE37	-1,388	2,061	0.34266	0.88091	Rho guanine nucleotide exchange factor (GEF) 37		Other	other
4717	SNORD63	-1,452	2,303	0.34064	0.88091	small nuclear RNA, C/D box 63		Other	other
4718	ZXDA	-1,569	1,958	0.34379	0.88091	zinc finger, X-linked, duplicated A		Other	transcription regulator
4719	SELP	-1,576	2,900	0.34224	0.88091	selectin P (granule membrane protein 140kDa, antigen CD62)		Plasma Membrane	transmembrane receptor
4720	FKBP18	-1,688	2,137	0.34568	0.88091	FK506 binding protein 18, 12.6 kDa		Cytoplasm	enzyme
4721	HPCAL4	-1,781	3,468	0.34583	0.88091	hippocalcin like 4		Other	transporter
4722	CYCSP52	1,638	1,885	0.34723	0.88108	cytochrome c, somatic pseudogene 52		Other	other
4723	ABCC3	1,560	2,320	0.34745	0.88108	ATP-binding cassette, sub-family C (CFTR/MRP), member 3		Plasma Membrane	transporter
4724	TMEM143	1,222	3,962	0.34724	0.88108	transmembrane protein 143		Cytoplasm	other
4725	SLC25A14	0,661	4,971	0.34743	0.88108	solute carrier family 25 (mitochondrial carrier, brain), member 14		Cytoplasm	transporter
4726	TMEM39A	0,511	6,528	0.34644	0.88108	transmembrane protein 39A		Other	other
4727	PPL13	0,467	6,132	0.34726	0.88108	peptidyl/polyl isomerase (cyclophilin)-like 3		Cytoplasm	enzyme
4728	XPO6	-0,353	7,740	0.34672	0.88108	exportin 6		Cytoplasm	transporter
4729	HOOK3	-0,432	7,089	0.34696	0.88108	hook microtubule-tethering protein 3		Cytoplasm	other
4730	CALM3	-0,512	5,936	0.34709	0.88108	calmodulin 1 (phosphorylase kinase, delta)		Cytoplasm	other
4731	SCO1	-0,520	5,705	0.34736	0.88108	SCO1 cytochrome c oxidase assembly protein		Cytoplasm	other
4732	MARK2	-0,558	5,624	0.34656	0.88108	MAP/microtubule affinity-regulating kinase 2		Cytoplasm	kinase
4733	ZNF721	-0,568	7,141	0.34651	0.88108	zinc finger protein 721		Other	other
4734	ZNF778	-0,593	5,360	0.34687	0.88108	zinc finger protein 778		Nucleus	other
4735	MTMR12	-0,611	5,752	0.34721	0.88108	myotubularin related protein 12		Plasma Membrane	other
4736	JAZF1	-0,747	4,973	0.34701	0.88108	JAZF zinc finger 1		Nucleus	transcription regulator
4737	RFC3	-0,779	3,641	0.34721	0.88108	replication factor C (activator 1) 3, 38kDa		Nucleus	enzyme
4738	LINC00271	-1,221	3,524	0.34627	0.88108	long intergenic non-protein coding RNA 271		Other	other
4739	GJA1	-1,651	2,616	0.34634	0.88108	gap junction protein, alpha 1, 43kDa		Plasma Membrane	transporter
4740	PAPD7	0,561	5,562	0.34776	0.88137	PAP associated domain containing 7		Nucleus	enzyme
4741	MLL5	0,318	9,057	0.34778	0.88137	lysine (K)-specific methyltransferase 2E		Nucleus	enzyme
4742	MZT2A	-0,615	5,459	0.34765	0.88137	mitotic spindle organizing protein 2A		Cytoplasm	other
4743	PELO	-0,581	6,173	0.34804	0.88183	pelota homolog (Drosophila)		Nucleus	other
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4752	APBB3	0.944	5.077	0.34949	0.88386	amyloid beta (A4) precursor protein-binding, family 8, member 3	Cytoplasm	other
4753	TBC1D14	0.781	5.015	0.34967	0.88386	TBC1 domain family, member 14	Extracellular Space	other
4754	C5orf58	0.662	4.923	0.35002	0.88386	chromosome 5 open reading frame 58	Other	other
4755	RNF219	0.582	5.466	0.34981	0.88386	ring finger protein 219	Other	other
4756	DMPA1	-0.389	6.927	0.34983	0.88386	DNA methyltransferase 1 associated protein 1	Nucleus	transcription regulator
4757	TOR1A	-0.398	6.823	0.34948	0.88386	torsin family 1, member A (torsin A)	Cytoplasm	enzyme
4758	ATGA6	-0.567	5.542	0.34987	0.88386	autophagy related 4A, cysteine peptidase	Cytoplasm	peptidase
4759	ABC42	-1.378	5.547	0.34983	0.88386	ATP-binding cassette, sub-family A (ABC1), member 2	Plasma Membrane	transporter
4760	ZNF407	0.717	5.507	0.35024	0.88388	zinc finger protein 407	Nucleus	other
4761	KEAP1	-0.577	7.047	0.35012	0.88388	kelch-like ECH-associated protein 1	Cytoplasm	transcription regulator
4762	IFT27	-1.210	3.275	0.35019	0.88388	intraflagellar transport 27	Extracellular Space	enzyme
4763	TTC13	0.870	4.866	0.35073	0.8846	tetratricopeptide repeat domain 13	Other	other
4764	PRKC1	0.474	5.950	0.35081	0.8846	protein kinase C, iota	Cytoplasm	kinase
4765	SRBD1	0.426	6.466	0.35076	0.8846	S1 RNA binding domain 1	Other	other
4766	LIMS2	-1.641	1.917	0.35082	0.8846	LIM and senescent cell antigen-like domains 2	Cytoplasm	other
4767	FAM105B	0.398	6.707	0.3509	0.88461	OTU deubiquitinase with linear linkage specificity	Cytoplasm	peptidase
4768	CRYGS	0.994	3.255	0.35243	0.88487	crystallin, gamma 5	Other	other
4769	PGAP3	0.911	4.480	0.35175	0.88487	post-GPI attachment to proteins 3	Cytoplasm	enzyme
4770	MCU	0.645	5.114	0.35264	0.88487	mitochondrial calcium uniporter	Cytoplasm	ion channel
4771	MGMT	0.575	5.461	0.35197	0.88487	O-6-methylguanine-DNA methyltransferase	Nucleus	enzyme
4772	IAAO528	0.522	6.291	0.35151	0.88487	C2 calcium-dependent domain containing 5	Cytoplasm	other
4773	OXSM	0.461	6.246	0.35199	0.88487	3-oxoacyl-ACP synthase, mitochondrial	Cytoplasm	kinase
4774	ZHX2	0.448	6.420	0.35225	0.88487	zinc fingers and homeoboxes 2	Nucleus	transcription regulator
4775	CLFLAR	0.362	7.907	0.3527	0.88487	CASP8 and FADD-like apoptosis regulator	Cytoplasm	other
4776	CD164	0.298	9.026	0.3525	0.88487	CD164 molecule, sialomucin	Plasma Membrane	other
4777	TPGS2	-0.407	6.761	0.35177	0.88487	tubulin polyglutamylation complex subunit 2	Nucleus	other
4778	VCPIP1	-0.410	7.649	0.3512	0.88487	valosin containing protein (p97)/p47 complex interacting protein 1	Cytoplasm	peptidase
4779	TOR3A	-0.413	6.380	0.3518	0.88487	torsin family 3, member A	Cytoplasm	enzyme
4780	NDUF53	-0.438	6.179	0.35126	0.88487	NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase)	Cytoplasm	enzyme
4781	ATPSJ	-0.442	6.100	0.35228	0.88487	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit f6	Cytoplasm	transporter
4782	RBM14	-0.447	6.820	0.35216	0.88487	RNA binding motif protein 14	Nucleus	transcription regulator
4783	YBP1	-0.461	6.285	0.35217	0.88487	von Hippel-Lindau binding protein 1	Cytoplasm	other
4784	ZNHTE6	-0.489	6.246	0.35154	0.88487	zinc finger, HHT-type containing 6	Cytoplasm	other
4785	RPU5D3	-0.493	6.063	0.3521	0.88487	RNA pseudouridylate synthase domain containing 3	Other	other
4786	SLC11A2	-0.520	6.153	0.35262	0.88487	solute carrier family 11 (proton-coupled divalent metal ion transporter), member 2	Plasma Membrane	transporter
4787	ZNF767	-0.639	5.582	0.35159	0.88487	zinc finger family member 767, pseudogene	Other	other
4788	TRGV5	-0.765	4.295	0.35257	0.88487	T cell receptor gamma variable 5	Other	other
4789	IFIT3	-0.880	7.911	0.35252	0.88487	interferon-induced protein with tetratricopeptide repeats 3	Cytoplasm	other
4790	CTNS	-1.281	4.129	0.35199	0.88487	cystinosis, lysosomal cystine transporter	Cytoplasm	transporter
4791	FSP1	1.338	2.442	0.3529	0.88508	fibrous sheath interacting protein 1	Other	other
4792	COL27A1	1.304	3.699	0.35324	0.88508	collagen, type XXVII, alpha 1	Extracellular Space	other
4793	ZRANB2	0.298	8.383	0.35307	0.88508	zinc finger, RAN-binding domain containing 2	Nucleus	transcription regulator
4794	ANKH	-0.327	7.798	0.35324	0.88508	ANKH inorganic pyrophosphate transport regulator	Plasma Membrane	transporter
4795	CANT1	-0.748	4.680	0.35327	0.88508	calcium activated nucleobindase 1	Extracellular Space	enzyme
4796	STARD10	-0.760	5.380	0.35333	0.88508	StAR-related lipid transfer (STARD) domain containing 10	Cytoplasm	other
4797	PRKARIAP	-0.974	3.019	0.35332	0.88508	protein kinase, cAMP-dependent, regulatory, type I, alpha pseudogene	Other	other
4798	PYCARD	-0.798	4.132	0.35352	0.88528	PYD and CARD domain containing	Cytoplasm	transcription regulator
4799	RMND1	-0.807	4.502	0.35346	0.88528	required for meiotic nuclear division 1 homolog (S. cerevisiae)	Cytoplasm	other
4800	PTPA3	-1.151	3.851	0.35367	0.88546	protein tyrosine phosphatase type IVA, member 3	Plasma Membrane	phosphatase
4801	FAM212B	1.331	2.340	0.35426	0.88556	family with sequence similarity 212, member B	Other	other
4802	DIP2C	1.216	3.133	0.35471	0.88556	DIP2 disco-interacting protein 2 homolog C (Drosophila)	Other	other
4803	SW5AP1	0.691	4.674	0.35426	0.88556	SWIM-type zinc finger 7 associated protein 1	Other	enzyme
4804	RPL7	0.690	4.605	0.35416	0.88556	ribosomal protein L7	Nucleus	transcription regulator
4805	AMMECR1	0.514	6.008	0.35483	0.88556	Alport syndrome, mental retardation, midface hypoplasia and elliptocytosis chromosomal region gene 1	Other	other
4806	RAB1A	0.402	7.541	0.35431	0.88556	RAB1A, member RAS oncogene family	Cytoplasm	enzyme
4807	RAB5A	0.375	6.858	0.35443	0.88556	RAB5A, member RAS oncogene family	Cytoplasm	enzyme
4808	GNAL3	0.332	8.416	0.35487	0.88556	guanine nucleotide binding protein (G protein), alpha 13	Plasma Membrane	enzyme
4809	KRPA1A1	-0.361	8.024	0.35439	0.88556	aldo-keto reductase family 1, member A1 (aldehyde reductase)	Cytoplasm	enzyme
4810	YBX1	-0.529	5.475	0.35458	0.88556	Y box binding protein 1	Nucleus	transcription regulator
4811	CEP63	-0.548	5.866	0.35397	0.88556	centrosomal protein 63kDa	Cytoplasm	other
4812	IL9R	-0.567	6.955	0.35416	0.88556	interleukin 9 receptor	Plasma Membrane	transmembrane receptor
4813	HP56	-0.769	4.807	0.35462	0.88556	Hermansky-Pudlak syndrome 6	Cytoplasm	other
4814	ASPHD2	-1.018	3.965	0.35393	0.88556	aspartate beta-hydroxylase domain containing 2	Other	enzyme
4815	KCNAB3	-1.164	4.158	0.35489	0.88556	potassium channel, voltage gated subfamily A regulatory beta subunit 3	Plasma Membrane	ion channel
4816	MRPL45P2	-1.207	3.085	0.35449	0.88556	mitochondrial ribosomal protein L45 pseudogene 2	Other	other
4817	MIR616	1.007	3.576	0.35498	0.88557	microRNA 616	Cytoplasm	microRNA
4818	ZNF677	0.587	5.645	0.35509	0.88557	zinc finger protein 677	Other	other
4819	NYFC	-0.463	6.263	0.35511	0.88557	nuclear transcription factor Y, gamma	Nucleus	transcription regulator
4820	TNKS1BP1	1.650	2.997	0.35583	0.88606	tyrosinase 1 binding protein 1, 182kDa	Nucleus	other
4821	RPL34A A51	1.221	2.657	0.35567	0.88606	RPL34 antisense RNA 1 (head to head)	Other	other
4822	SLC24A3	1.207	5.143	0.35541	0.88606	solute carrier family 2 (facilitated glucose transporter), member 13	Plasma Membrane	transporter
4823	DIDO1	0.594	7.552	0.35577	0.88606	death inducer-obliterator 1	Nucleus	other
4824	HPCAL1	0.469	6.231	0.35572	0.88606	hippocalcin-like 1	Cytoplasm	other
4825	RPP25L	-0.621	5.301	0.35572	0.88606	ribonuclease P/MRP 25kDa subunit-like	Other	other
4826	CD300LF	-1.573	2.314	0.35578	0.88606	CD300 molecule-like family member f	Plasma Membrane	other
4827	RPS5P2	-1.192	3.301	0.356	0.88631	ribosomal protein S5 pseudogene 2	Other	other
4828	IL10RB	-0.428	6.510	0.35626	0.88645	interleukin 10 receptor, beta	Plasma Membrane	transmembrane receptor
4829	HMGAI1	-0.490	5.827	0.35646	0.88645	high mobility group AT-hook 1	Nucleus	transcription regulator
4830	FAM175B	-0.584	5.488	0.35643	0.88645	family with sequence similarity 175, member B	Nucleus	other
4831	FAM173A	-0.828	4.092	0.35643	0.88645	family with sequence similarity 173, member A	Other	other
4832	FAM220A	-1.028	3.441	0.35665	0.88645	family with sequence similarity 220, member A	Other	other
4833	HLA-DPA1	-1.552	4.868	0.35625	0.88645	major histocompatibility complex, class II, DP alpha 1	Plasma Membrane	transmembrane receptor
4834	SDAD1P1	-0.796	4.426	0.35684	0.88676	SDA1 domain containing 1 pseudogene 1	Other	other
4835	IRF5	-0.809	4.646	0.35683	0.88676	interferon regulatory factor 5	Nucleus	transcription regulator
4836	TFPT	-0.843	3.865	0.35673	0.88676	TCF3 (E2A) fusion partner (in childhood Leukemia)	Nucleus	other
4837	ZSCAN16	0.776	4.429	0.35728	0.88747	zinc finger and SCAN domain containing 16	Nucleus	transcription regulator
4838	RPRD2	0.591	5.992	0.35726	0.88747	regulation of nuclear pre-mRNA domain containing 2	Other	other
4839	IFNAR2	0.534	5.610	0.35738	0.88753	interferon (alpha, beta and omega) receptor 2	Plasma Membrane	transmembrane receptor
4840	ASLP1	1.745	1.816	0.35918	0.88797	argininosuccinate lyase pseudogene 1	Other	other
4841	ZNF512B	1.471	2.799	0.35822	0.88797	zinc finger protein 512B	Nucleus	other
4842	ZNF304	0.777	4.777	0.35899	0.88797	zinc finger protein 304	Other	other
4843	EMC10	0.699	4.562	0.35874	0.88797	ER membrane protein complex subunit 10	Other	other
4844	KR11	0.518	6.959	0.35891	0.88797	KR11 homolog (S. cerevisiae)	Nucleus	other
4845	MTERFD3	0.496	5.978	0.35815	0.88797	mitochondrial transcription termination factor 2	Cytoplasm	transcription regulator
4846	CD63	-0.371	7.532	0.35856	0.88797	CD63 molecule	Plasma Membrane	other
4847	ARL1	-0.391	7.035	0.35789	0.88797	ADP-ribosylation factor-like 1	Cytoplasm	enzyme
4848	MRPS34	-0.471	6.005	0.35906	0.88797	mitochondrial ribosomal protein S34	Cytoplasm	other
4849	ORC2	-0.513	6.148	0.35918	0.88797	origin recognition complex, subunit 2	Nucleus	other
4850	ZNF354A	-0.546	5.929	0.3586	0.88797	zinc finger protein 354A	Nucleus	transcription regulator
4851	BNIP1	-0.588	5.159	0.35769	0.88797	BCl2/adrenovirus E1B 19kDa interacting protein 1	Cytoplasm	transporter
4852	APH1A	-0.651	5.084	0.35915	0.88797	APH1A gamma secretase subunit	Cytoplasm	peptidase
4853	ZBTB9	-0.661	5.033	0.35809	0.88797	zinc finger and BTB domain containing 9	Nucleus	other
4854	HSF1	-0.734	4.640	0.35782	0.88797	heat shock transcription factor 1	Nucleus	transcription regulator
4855	LTS52	-0.817	5.029	0.35878	0.88797	leucine zipper, putative tumor suppressor 2	Cytoplasm	other
4856	FCER1G	-0.984	3.860	0.35874	0.88797	Ic fragment of IgE, high affinity 1, receptor for; gamma polypeptide	Plasma Membrane	transmembrane receptor
4857	CNNM4	-1.121	4.025	0.35845	0.88797	cyclin and CBS domain divalent metal cation transport mediator 4	Plasma Membrane	transporter
4858	CMTM1	-1.276	2.292	0.35854	0.88797	Cdkf-like MARVEL transmembrane domain containing 1	Other	other
4859	GFBP7	-1.504	1.998	0.35912	0.88797	insulin-like growth factor binding protein 7	Extracellular Space	transporter
4860	DNAH5	-1.574	2.391	0.35913	0.88797	DnaI (Hsp40) homolog, subfamily B, member 5	Cytoplasm	other
4861	RYR3	-1.603	2.571	0.35881	0.88797	ryanodine receptor 3	Plasma Membrane	ion channel
4862	ZNF770	0.474	6.230	0.35952	0.88844	zinc finger protein 770	Other	other
4863	KLHL24	0.442	8.531	0.35968	0.88844	kelch-like family member 24	Other	other
4864	CCT7	-0.314	8.234	0.35971	0.88844	chaperonin containing TCP1, subunit 7 (eta)	Cytoplasm	other
4865	RNF4	-0.332	7.768	0.35969	0.88844	ring finger protein 4	Nucleus	transcription regulator
4866	NUF2	-1.376	3.064	0.35974	0.88844	NUF2, NDC80 kinetochore complex component	Nucleus	other
4867	VPS45	-0.393	6.788	0.35987	0.88858	vacuolar protein sorting 45 homolog (S. cerevisiae)	Cytoplasm	transporter
4868	TTL7	-1.073	4.755	0.36	0.88873	tubulin tyrosine ligase-like family member 7	Plasma Membrane	other
4869	C4orf119	1.612	2.412	0.36071	0.88885	chromosome 4 open reading frame 19	Other	other
4870	MYMRN1	1.263	3.217	0.36061	0.88885	multimerin 1	Extracellular Space	other
4871	KIF13A	1.135	3.458	0.36027	0.88885	kinesin family member 13A	Cytoplasm	transporter
4872	DOPEY1	0.654	5.810	0.36028	0.88885	dopey family member 1	Cytoplasm	other
4873	DNAIC15	0.542	5.440	0.36055	0.88885	DnaI (Hsp40) homolog, subfamily C, member 15	Cytoplasm	other
4874	EIF4B	0.314	7.742	0.36071	0.88885	eukaryotic translation initiation factor 4B	Cytoplasm	translation regulator
4875	PGM1	-0.475	6.184	0.36044	0.88885	phosphoglucomutase 1	Cytoplasm	enzyme
4876	SLC29A2	-0.902	4.352	0.36012	0.88885	solute carrier family 29 (equilibrative nucleoside transporter), member 2	Plasma Membrane	transporter
4877	EFNB1	-1.479	3.182	0.36064	0.88885	ephrin-B1	Plasma Membrane	other
4878	FAM53C	-0.620	4.914	0.36082	0.88891	family with sequence similarity 53, member C	Other	other
4879	ERBB3	1.575	2.324	0.36131	0.88902	erb-b2 receptor tyrosine kinase 3	Plasma Membrane	kinase
4880	CREB3L4	1.3						

4884	ZNF800	0.396	6.874	0.36204	0.88902	zinc finger protein 800	Other	other
4885	RBM3	-0.300	8.142	0.36211	0.88902	RNA binding motif (RNP1, RRM) protein 3	Cytoplasm	other
4886	NPAT	-0.414	8.098	0.36164	0.88902	nuclear protein, ataxia-telangiectasia locus	Nucleus	transcription regulator
4887	GATAD2A	-0.437	6.210	0.36203	0.88902	GATA zinc finger domain containing 2A	Nucleus	transcription regulator
4888	MRPS12	-0.439	6.251	0.36179	0.88902	mitochondrial ribosomal protein S12	Cytoplasm	other
4889	LSM3	-0.467	6.035	0.36205	0.88902	LSM3 homolog, U6 small nuclear RNA associated (S. cerevisiae)	Nucleus	other
4890	MTTF2	-0.597	5.919	0.36188	0.88902	mitochondrial translational initiation factor 2	Cytoplasm	translation regulator
4891	RANBP1	-0.622	5.340	0.36157	0.88902	RAN binding protein 1	Nucleus	other
4892	TMEM88	-0.673	4.697	0.36182	0.88902	translocase of inner mitochondrial membrane 8 homolog B (yeast)	Cytoplasm	transporter
4893	NR3C2	-0.876	4.020	0.36186	0.88902	nuclear receptor subfamily 3, group C, member 2	Nucleus	ligand-dependent nuclear receptor
4894	SLC25A22	-0.881	4.254	0.36161	0.88902	solute carrier family 25 (mitochondrial carrier; glutamate), member 22	Cytoplasm	transporter
4895	LFGN	-0.900	4.820	0.36146	0.88902	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	Cytoplasm	enzyme
4896	FAM193A	0.469	6.743	0.36219	0.88902	family with sequence similarity 193, member A	Other	other
4897	FAM135A	-0.986	4.085	0.36227	0.88904	family with sequence similarity 135, member A	Other	enzyme
4898	GGT1	-1.091	3.758	0.36248	0.88937	gamma-glutamyltransferase 1	Plasma Membrane	enzyme
4899	INTS3	0.530	5.872	0.36284	0.88989	integrator complex subunit 3	Nucleus	other
4900	HSPA4L	-1.901	2.358	0.36268	0.88989	heat shock 70kDa protein 4-like	Cytoplasm	other
4901	PI4KA	0.429	6.921	0.363	0.8901	phosphatidylinositol 4-kinase, catalytic, alpha	Cytoplasm	kinase
4902	S1PR2	0.830	4.552	0.36361	0.89051	sphingosine-1-phosphate receptor 2	Plasma Membrane	G-protein coupled receptor
4903	ZNF880	0.500	5.848	0.36329	0.89051	zinc finger protein 880	Other	other
4904	BLZF1	0.298	6.889	0.36342	0.89051	basic leucine zipper nuclear factor 1	Cytoplasm	transcription regulator
4905	NBEAL1	-0.616	5.165	0.36343	0.89051	neurabin-like 1	Other	other
4906	TLI2	-1.576	1.894	0.36357	0.89051	tzllcid-like 2	Extracellular Space	peptidase
4907	HOKA5	-1.576	1.894	0.36355	0.89051	homeobox A5	Nucleus	transcription regulator
4908	TXNDC11	-0.398	6.888	0.36369	0.89052	thioredoxin domain containing 11	Cytoplasm	enzyme
4909	LDHAP7	0.855	3.871	0.36427	0.89136	lactate dehydrogenase A pseudogene 7	Other	other
4910	TMEM80	0.557	5.700	0.3644	0.89136	transmembrane protein 80	Other	other
4911	TSC2D1	0.464	5.960	0.36422	0.89136	TSC2D domain family, member 1	Nucleus	transcription regulator
4912	IFNGR1	0.374	8.039	0.36415	0.89136	interferon gamma receptor 1	Plasma Membrane	transmembrane receptor
4913	SH3GLB1	-0.349	7.792	0.36437	0.89136	SH3-domain GRB2-like endophilin B1	Cytoplasm	enzyme
4914	OMD	1.417	1.973	0.36548	0.89146	osteonmodulin	Extracellular Space	other
4915	LINC00115	1.410	2.873	0.36535	0.89146	long intergenic non-protein coding RNA 115	Other	other
4916	SPIN2B	0.993	2.856	0.36525	0.89146	synodin family, member 2B	Other	other
4917	ZNF777	0.682	4.908	0.36475	0.89146	zinc finger protein 777	Other	other
4918	FAM193B	0.425	6.305	0.36531	0.89146	family with sequence similarity 193, member B	Nucleus	other
4919	RRP1B	0.374	6.748	0.36528	0.89146	ribosomal RNA processing 1B	Nucleus	other
4920	HCG18	-0.391	7.350	0.36553	0.89146	HLA complex group 18 (non-protein coding)	Other	other
4921	OGFOD1	-0.396	6.514	0.36537	0.89146	2-oxoglutarate and iron-dependent oxygenase domain containing 1	Other	other
4922	ACO1	-0.528	5.895	0.36556	0.89146	aconitase 1, soluble	Cytoplasm	enzyme
4923	GTTF2A1	-0.547	5.890	0.36502	0.89146	general transcription factor IIA, 1, 19/37kDa	Cytoplasm	transcription regulator
4924	AZ12	-0.598	5.351	0.36527	0.89146	5-azacytidine induced 2	Cytoplasm	other
4925	SEC61A2	-0.689	4.759	0.36547	0.89146	Sec61 alpha 2 subunit (S. cerevisiae)	Cytoplasm	transporter
4926	ZNF542	-0.849	4.372	0.3654	0.89146	zinc finger protein 542, pseudogene	Other	other
4927	ANXA2P3	-1.009	2.989	0.36456	0.89146	annexin A2 pseudogene 3	Other	other
4928	FBPPL	-1.106	2.789	0.36478	0.89146	PC50B pseudogene	Nucleus	other
4929	GPR146	1.388	2.240	0.36559	0.89158	G protein-coupled receptor 146	Plasma Membrane	G-protein coupled receptor
4930	MCPH1	0.557	6.098	0.36588	0.89158	microcephalin 1	Nucleus	other
4931	CNNK2A1P	-0.982	3.527	0.36569	0.89158	casein kinase 2, alpha 3 polypeptide	Other	other
4932	USP44	-0.985	4.227	0.36577	0.89158	ubiquitin specific peptidase 44	Nucleus	peptidase
4933	ADAP1	1.173	2.859	0.36622	0.89158	ArfGAP with dual PH domains 1	Nucleus	other
4934	MAP4K2	0.574	5.494	0.36612	0.89158	mitogen-activated protein kinase kinase kinase kinase 2	Cytoplasm	kinase
4935	USP22	0.521	6.023	0.36654	0.89158	ubiquitin specific peptidase 22	Nucleus	peptidase
4936	IBTK	0.364	7.011	0.36652	0.89158	inhibitor of Bruton agammaglobulinemia tyrosine kinase	Cytoplasm	other
4937	EIF1	0.281	9.674	0.36657	0.89158	eukaryotic translation initiation factor 1	Cytoplasm	translation regulator
4938	PFN1	-0.310	8.331	0.36632	0.89158	profilin 1	Cytoplasm	other
4939	NAN5	-0.419	6.345	0.36646	0.89158	N-acetylneuraminic acid synthase	Cytoplasm	enzyme
4940	C5orf63	-0.601	5.826	0.36604	0.89158	chromosome 5 open reading frame 63	Cytoplasm	other
4941	VDR	-1.040	3.616	0.36629	0.89158	vitamin D (1,25-dihydroxyvitamin D3) receptor	Nucleus	transcription regulator
4942	BEX2	0.477	5.846	0.36667	0.89172	brain expressed X-linked 2	Nucleus	other
4943	RAB37	0.827	6.322	0.36669	0.8918	RAB37, member RAS oncogene family	Cytoplasm	enzyme
4944	SUMF2	-0.358	7.214	0.36696	0.8918	sulfatase modifying factor 2	Cytoplasm	other
4945	MRPL12	-1.284	3.058	0.36683	0.8918	mitochondrial ribosomal protein L12	Cytoplasm	other
4946	FBXW11P1	1.712	1.804	0.36724	0.89203	F-box and WD repeat domain containing 11 pseudogene 1	Other	other
4947	CEBPZ	0.381	7.032	0.36728	0.89203	CCAAT/enhancer binding protein (C/EBP), zeta	Other	other
4948	PHBP8	-1.118	2.729	0.36725	0.89203	prohibitin pseudogene 8	Other	other
4949	GAPDHP70	0.796	3.966	0.36756	0.89207	glyceraldehyde 3 phosphate dehydrogenase pseudogene 70	Other	other
4950	PWWP2A	0.459	7.021	0.36744	0.89207	PWWP domain containing 2A	Other	other
4951	PIGK	0.446	6.424	0.36754	0.89207	phosphatidylinositol glycan anchor biosynthesis, class K	Cytoplasm	peptidase
4952	SLC25A19	-0.831	4.259	0.36759	0.89207	solute carrier family 25 (mitochondrial thiamine pyrophosphate carrier), member 19	Cytoplasm	transporter
4953	HEATR1	0.384	6.717	0.36786	0.89219	HEAT repeat containing 1	Nucleus	enzyme
4954	ANXA1	0.310	9.496	0.36779	0.89219	annexin A1	Plasma Membrane	enzyme
4955	AGXT2L2	-0.339	7.836	0.3678	0.89219	5-phosphohydroxy-L-lysine phospho-lyase	Cytoplasm	enzyme
4956	CLEC16A	0.402	6.506	0.36795	0.89222	C-type lectin domain family 16, member A	Cytoplasm	other
4957	CMTM6	-0.365	7.627	0.36814	0.89226	CKL-like MARVEL transmembrane domain containing 6	Extracellular Space	cytokine
4958	RPF1	-0.443	6.363	0.36822	0.89226	ribosome production factor 1 homolog (S. cerevisiae)	Nucleus	other
4959	RRP15	-0.484	5.885	0.36826	0.89226	ribosomal RNA processing 15 homolog (S. cerevisiae)	Nucleus	other
4960	PSPHP1	-1.064	2.915	0.36804	0.89226	phosphoserine phosphatase pseudogene 1	Other	other
4961	LPAT3	0.497	5.850	0.36843	0.89248	lysophosphatidylcholine acyltransferase 3	Plasma Membrane	enzyme
4962	MRPS9	-0.511	5.680	0.36853	0.89256	mitochondrial ribosomal protein S9	Cytoplasm	other
4963	ADSL	-0.461	6.821	0.36882	0.89306	adenylsuccinate lyase	Cytoplasm	enzyme
4964	SLUGL1	-0.387	6.742	0.36894	0.89319	succinate-CoA ligase, alpha subunit	Cytoplasm	enzyme
4965	DOCK7	1.831	4.249	0.36956	0.89432	dedicator of cytokinesis 7	Plasma Membrane	other
4966	PKAR2A	0.392	6.615	0.36955	0.89433	protein kinase, cAMP-dependent, regulatory, type II, alpha	Cytoplasm	kinase
4967	TNFRSF19	0.846	5.334	0.37039	0.89493	tumor necrosis factor receptor superfamily, member 19	Plasma Membrane	transmembrane receptor
4968	CKAP4	0.779	4.659	0.37047	0.89493	cytoskeleton-associated protein 4	Cytoplasm	other
4969	TMEM161A	0.625	5.090	0.37043	0.89493	transmembrane protein 161A	Other	other
4970	UFDL1	-0.377	6.635	0.37045	0.89493	ubiquitin fusion degradation 1 like (yeast)	Cytoplasm	peptidase
4971	ZNF140	-0.421	6.317	0.3705	0.89493	zinc finger protein 140	Nucleus	transcription regulator
4972	ATIC	-0.553	5.682	0.37039	0.89493	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase	Cytoplasm	enzyme
4973	HSF2	-0.580	5.233	0.37015	0.89493	heat shock transcription factor 2	Nucleus	transcription regulator
4974	C7orf49	-0.623	5.229	0.37034	0.89493	chromosome 7 open reading frame 49	Other	other
4975	GAA	-0.750	4.276	0.37048	0.89493	glucosidase, alpha, acid	Cytoplasm	enzyme
4976	LEF1A1P19	-1.509	3.274	0.37055	0.89493	eukaryotic translation elongation factor 1 alpha 1 pseudogene 19	Other	other
4977	OZAP2	1.284	9.239	0.37085	0.89545	DNA associated protein 2	Nucleus	other
4978	BACE1	0.307	7.172	0.37254	0.89567	beta-site APP-cleaving enzyme 1	Cytoplasm	peptidase
4979	DCUN1D3	1.079	3.857	0.37153	0.89567	DCN1, defective in cullin neddylation 1, domain containing 3	Cytoplasm	other
4980	SHMT1	0.769	4.649	0.37338	0.89567	serine hydroxymethyltransferase 1 (soluble)	Cytoplasm	enzyme
4981	MRPL21	0.758	5.422	0.37146	0.89567	mitochondrial ribosomal protein L21	Cytoplasm	other
4982	B3GNTL1	0.691	5.523	0.3731	0.89567	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase-like 1	Other	enzyme
4983	FAM78A	0.614	4.910	0.37346	0.89567	family with sequence similarity 78, member A	Other	other
4984	WDR60	0.588	6.023	0.3725	0.89567	WD repeat domain 60	Extracellular Space	other
4985	TULP3	0.519	5.828	0.37269	0.89567	tubby like protein 3	Extracellular Space	other
4986	DNAAF2	0.486	5.868	0.37168	0.89567	dynein, axonemal, assembly factor 2	Cytoplasm	other
4987	PRR14L	0.436	6.250	0.37158	0.89567	proline rich 14-like	Other	enzyme
4988	CRTC3	0.387	6.647	0.37298	0.89567	CREB regulated transcription coactivator 3	Nucleus	other
4989	MIS18BP1	0.364	7.330	0.37218	0.89567	MIS18 binding protein 1	Nucleus	other
4990	RTN3	0.363	6.922	0.37279	0.89567	reticulon 3	Cytoplasm	other
4991	FAM102A	0.345	7.963	0.3717	0.89567	family with sequence similarity 102, member A	Other	other
4992	SRP72	0.328	8.158	0.37292	0.89567	signal recognition particle 72kDa	Nucleus	kinase
4993	_11-sept	-0.313	8.116	0.3732	0.89567			
4994	DIS3	-0.316	7.368	0.37268	0.89567	DIS3 exosome endoribonuclease and 3'-5' exoribonuclease	Nucleus	enzyme
4995	TMEM138	-0.360	7.066	0.37132	0.89567	transmembrane protein 138	Extracellular Space	other
4996	DPF2	-0.381	7.615	0.37228	0.89567	D4, zinc and double PHD fingers family 2	Nucleus	other
4997	NUP54	-0.389	6.773	0.37326	0.89567	nucleoporin 54kDa	Nucleus	transporter
4998	STAR3NL	-0.423	6.550	0.37137	0.89567	STAR3 N-terminal like	Cytoplasm	other
4999	FN3KRP	-0.470	6.030	0.37347	0.89567	fructosamine 3 kinase related protein	Other	kinase
5000	TMOMM40	-0.556	5.601	0.37203	0.89567	translocase of outer mitochondrial membrane 40 homolog (yeast)	Cytoplasm	ion channel
5001	RHM14	-0.546	5.269	0.37247	0.89567	retinol dehydrogenase 14 (all-trans/9-cis/11-cis)	Cytoplasm	enzyme
5002	TNFRSF9	-0.698	7.124	0.37245	0.89567	tumor necrosis factor receptor superfamily, member 9	Plasma Membrane	transmembrane receptor
5003	DCBLD1	-0.740	4.307	0.37219	0.89567	discoidin, CUB and LCC domain containing 1	Extracellular Space	other
5004	FAM3C	-0.765	4.225	0.37325	0.89567	family with sequence similarity 3, member C	Extracellular Space	cytokine
5005	RHBD03	-0.792	4.297	0.37236	0.89567	rhombooid domain containing 3	Other	other
5006	PSMA6P2	-0.807	3.946	0.37252	0.89567	proteasome (prosome, macropain) subunit, alpha type, 6 pseudogene 2	Other	other
5007	AP3S2	-0.838	4.015	0.37134	0.89567	adaptor-related protein complex 3, sigma 2 subunit	Cytoplasm	transporter
5008	CHP1	-0.847	4.655	0.37292	0.89567	calcineurin-like EF-hand protein 1	Cytoplasm	transporter
5009	CNNK1A1P1	-0.951	3.342	0.37327	0.89567	casein kinase 1, alpha 1 pseudogene 1	Other	other
5010	DHFR	-1.648	1.989	0.37208	0.89567	dihydrofolate reductase	Nucleus	enzyme
5011	HLA-DRB5	-1.655	3.689	0.37334	0.89567	major histocompatibility complex, class II, DR beta 5	Plasma Membrane	transmembrane receptor
5012	ZNF823	0.884	4.195	0.37355				

5016	ADIPOR2	-0.611	5.046	0.37413	0.89636	adiponectin receptor 2	Plasma Membrane	other
5017	FFAR3	1.554	2.421	0.37433	0.89636	free fatty acid receptor 3	Plasma Membrane	G-protein coupled receptor
5018	ULK2	1.098	4.264	0.37428	0.89636	unc-51 like autophagy activating kinase 2	Cytoplasm	kinase
5019	COQ10A	0.615	5.364	0.37444	0.89636	coenzyme Q10 homolog A (S. cerevisiae)	Cytoplasm	other
5020	FXYD5	0.284	8.756	0.37444	0.89636	FXYD domain containing ion transport regulator 5	Plasma Membrane	ion channel
5021	MSTO1	-0.753	3.996	0.3745	0.89636	misato 1, mitochondrial distribution and morphology regulator	Cytoplasm	other
5022	HAT1	0.331	7.244	0.37487	0.8967	histone acetyltransferase 1	Nucleus	enzyme
5023	P2RY8	0.326	8.598	0.37485	0.8967	purinergic receptor P2Y, G-protein coupled, 8	Plasma Membrane	G-protein coupled receptor
5024	KRAB2	-0.954	3.749	0.3749	0.8967	KRAB-A domain containing 2	Other	other
5025	PLA2G6	1.046	3.423	0.37504	0.89676	phospholipase A2, group VI (cytosolic, calcium-independent)	Cytoplasm	enzyme
5026	LAMB1	0.956	3.389	0.375	0.89676	laminin, beta 1	Extracellular Space	other
5027	NLGN3	-1.449	3.350	0.37514	0.89681	neuroligin 3	Plasma Membrane	enzyme
5028	MFSD11	-0.502	6.117	0.37525	0.89689	major facilitator superfamily domain containing 11	Other	other
5029	NPIPL2	1.049	2.992	0.37583	0.89691	nuclear pore complex interacting protein family, member 815	Other	other
5030	ASCC1	0.571	5.964	0.37614	0.89691	activating signal cointegrator 1 complex subunit 1	Nucleus	transcription regulator
5031	HDFG	-0.389	7.053	0.37615	0.89691	hepatoma-derived growth factor	Extracellular Space	growth factor
5032	ULK3	-0.417	7.129	0.37601	0.89691	unc-51 like kinase 3	Cytoplasm	kinase
5033	IMP4	-0.424	7.243	0.37598	0.89691	IMP4, U3 small nucleolar ribonucleoprotein	Nucleus	other
5034	SPG20	-0.426	7.958	0.37601	0.89691	spastic paraplegia 20 (Troyer syndrome)	Cytoplasm	other
5035	ZCCHC17	-0.442	6.367	0.37558	0.89691	zinc finger, CCHC domain containing 17	Nucleus	other
5036	KIAA1468	-0.495	5.856	0.37585	0.89691	KIAA1468	Other	other
5037	H2AFZP3	-0.785	4.028	0.37561	0.89691	H2A histone family, member 2 pseudogene 3	Other	other
5038	FKBP1C	-0.958	2.624	0.37581	0.89691	FK506 binding protein 1C	Other	other
5039	SNX25P1	-1.335	2.552	0.37569	0.89691	sorting nexin 25 pseudogene 1	Other	other
5040	PSPN	-1.559	2.241	0.37548	0.89691	persephin	Extracellular Space	growth factor
5041	PLSCR3	-1.898	1.775	0.37635	0.89722	phospholipid scramblase 3	Plasma Membrane	enzyme
5042	SLC20A2	0.581	5.124	0.37662	0.89752	solute carrier family 20 (phosphate transporter), member 2	Plasma Membrane	transporter
5043	NOSIP	0.350	7.373	0.37665	0.89752	nitric oxide synthase interacting protein	Cytoplasm	other
5044	KARSP1	-0.944	2.622	0.37671	0.89752	lysyl-tRNA synthetase pseudogene 1	Other	other
5045	PRSS30P	-1.456	2.345	0.37678	0.89752	protease, serine, 30, pseudogene	Other	other
5046	OFFB	1.217	3.316	0.37845	0.89838	DNA fragmentation factor, 40kDa, beta polypeptide (caspase-activated DNase)	Nucleus	enzyme
5047	GORAB	0.527	5.468	0.37777	0.89838	golgln, RAB6-interacting	Cytoplasm	other
5048	USP20	0.516	5.924	0.37833	0.89838	ubiquitin specific peptidase 20	Cytoplasm	peptidase
5049	ACAD5B	0.439	5.976	0.37834	0.89838	acyl-CoA dehydrogenase, short/branched chain	Cytoplasm	enzyme
5050	SLCO3A1	0.437	6.350	0.37771	0.89838	solute carrier organic anion transporter family, member 3A1	Plasma Membrane	transporter
5051	UBE2G1	0.389	6.957	0.37771	0.89838	ubiquitin-conjugating enzyme E2G 1	Cytoplasm	enzyme
5052	CMTM3	0.348	7.594	0.37763	0.89838	CK1-like MARVEL transmembrane domain containing 3	Extracellular Space	cytokine
5053	RBM6	0.322	7.940	0.37849	0.89838	RNA binding motif protein 6	Nucleus	other
5054	C11orf10	0.321	7.301	0.37811	0.89838	transmembrane protein 258	Other	other
5055	LNPEP	-0.317	8.017	0.37741	0.89838	leucyl/cystinyl aminopeptidase	Cytoplasm	peptidase
5056	SHFM1	-0.388	6.376	0.37843	0.89838	split hand/foot malformation (ectrodactyly) type 1	Nucleus	peptidase
5057	NDUFB10	-0.389	6.439	0.37818	0.89838	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10, 22kDa	Cytoplasm	enzyme
5058	LARP7	-0.517	5.811	0.37788	0.89838	La ribonucleoprotein domain family, member 7	Nucleus	other
5059	CSF2	-0.606	5.579	0.37805	0.89838	cleavage stimulation factor, 3' pre-RNA, subunit 2, 64kDa	Nucleus	other
5060	NANP	-0.677	4.876	0.37863	0.89838	N-acetylmuramic acid phosphatase	Cytoplasm	enzyme
5061	ZDOB	-0.731	5.663	0.37757	0.89838	zinc finger, X-linked, duplicated 8	Nucleus	other
5062	TMEM220	-0.758	4.322	0.37768	0.89838	transmembrane protein 220	Other	other
5063	TMEM81	-1.157	3.314	0.37725	0.89838	transmembrane protein 81	Other	other
5064	FAM153B	1.367	3.718	0.3801	0.89843	family with sequence similarity 153, member A	Other	other
5065	GRP19	1.142	2.937	0.3801	0.89843	G-protein-coupled receptor 19	Plasma Membrane	G-protein coupled receptor
5066	C1orf54	0.988	3.029	0.37895	0.89843	chromosome 1 open reading frame 54	Other	other
5067	C1RL	0.841	3.207	0.37911	0.89843	complement component 1, r subcomponent-like	Extracellular Space	peptidase
5068	KIAA1683	0.820	4.651	0.37986	0.89843	KIAA1683	Other	other
5069	SESN3	0.784	6.711	0.3798	0.89843	sestrin 3	Extracellular Space	other
5070	USP30	0.722	4.799	0.37937	0.89843	ubiquitin specific peptidase 30	Cytoplasm	peptidase
5071	ITPKC	0.708	5.118	0.37906	0.89843	inositol-trisphosphate 3-kinase C	Cytoplasm	kinase
5072	SLC12A7	0.706	5.360	0.37963	0.89843	solute carrier family 12 (potassium/chloride transporter), member 7	Plasma Membrane	transporter
5073	RIPK2	0.697	4.574	0.38005	0.89843	receptor interacting serine-threonine kinase 2	Plasma Membrane	other
5074	FLYWCH1	0.455	5.980	0.38005	0.89843	FLYWCH-type zinc finger 1	Other	other
5075	GMPS	0.447	7.294	0.38032	0.89843	guanine monophosphate synthase	Nucleus	enzyme
5076	ZBTB4	0.426	6.699	0.37923	0.89843	zinc finger and BTB domain containing 4	Nucleus	other
5077	AEBP2	0.423	6.109	0.38047	0.89843	AE binding protein 2	Nucleus	transcription regulator
5078	NARG2	0.398	6.750	0.37915	0.89843	interactor of little elongation complex ELL subunit 2	Nucleus	other
5079	TBCD	0.373	7.546	0.37951	0.89843	tubulin folding cofactor D	Cytoplasm	other
5080	FLNA	-0.312	8.410	0.38052	0.89843	filamin A, alpha	Cytoplasm	other
5081	PTCD3	-0.321	8.134	0.38027	0.89843	pentatricopeptide repeat domain 3	Cytoplasm	other
5082	ATG5	-0.420	6.774	0.38002	0.89843	autophagy related 5	Cytoplasm	other
5083	PCNA	-0.486	6.051	0.38051	0.89843	proliferating cell nuclear antigen	Nucleus	enzyme
5084	FAM21A	-0.554	6.171	0.37941	0.89843	family with sequence similarity 21, member C	Cytoplasm	other
5085	RCC1	-0.617	4.886	0.37977	0.89843	regulator of chromosome condensation 1	Cytoplasm	other
5086	SLC7A6	-0.644	5.359	0.38027	0.89843	solute carrier family 7 (amino acid transporter light chain, y+L system), member 6	Plasma Membrane	transporter
5087	C17orf80	-0.670	5.444	0.38052	0.89843	chromosome 17 open reading frame 80	Cytoplasm	other
5088	UBE2Q2P1	-0.825	3.966	0.37895	0.89843	ubiquitin-conjugating enzyme E2Q family member 2 pseudogene 1	Other	other
5089	METAP1D	-1.181	2.844	0.3804	0.89843	methionyl aminopeptidase type 1D (mitochondrial)	Cytoplasm	peptidase
5090	LINC00102	-1.410	2.883	0.38042	0.89843	long intergenic non-protein coding RNA 102	Other	other
5091	KCNK4	-1.745	3.957	0.3807	0.89866	potassium channel, calcium activated intermediate/small conductance subfamily N alpha, member 4	Plasma Membrane	ion channel
5092	MAPKBP1	1.024	3.671	0.38094	0.89906	mitogen-activated protein kinase binding protein 1	Other	other
5093	SPIRE1	1.214	3.215	0.38138	0.89954	spire-type actin nucleation factor 1	Cytoplasm	other
5094	DHX40	0.373	6.611	0.38166	0.89954	DEAH (Asp-Glu-Ala-His) box polypeptide 40	Other	enzyme
5095	BRK1	-0.316	7.844	0.38131	0.89954	BRICK1, SCAR/WAVE actin-nucleating complex subunit	Cytoplasm	other
5096	MPK1P	-0.451	6.202	0.38166	0.89954	MAP-kinase specific PLK3 interacting protein	Nucleus	other
5097	TRIT1	-0.512	6.155	0.38167	0.89954	RNA isopentenyltransferase 1	Cytoplasm	enzyme
5098	FANCB	-1.082	3.948	0.38164	0.89954	Fanconi anemia, complementation group B	Nucleus	other
5099	HLA-G	-1.249	2.466	0.38124	0.89954	major histocompatibility complex, class I, G	Plasma Membrane	other
5100	ZNF544	0.467	6.329	0.3818	0.89966	zinc finger protein 544	Nucleus	other
5101	C15orf57	0.483	5.928	0.38199	0.89995	chromosome 15 open reading frame 57	Other	other
5102	CLIC3	-0.793	4.709	0.38207	0.89996	chloride intracellular channel 3	Nucleus	ion channel
5103	DOCK6	1.392	2.490	0.38249	0.90061	dedicator of cytokinesis 6	Cytoplasm	other
5104	RARG	0.743	5.675	0.38317	0.90061	retinoic acid receptor, gamma	Nucleus	ligand-dependent nuclear receptor
5105	MTFAP	0.532	5.612	0.38298	0.90061	mitochondrial poly(A) polymerase	Cytoplasm	enzyme
5106	INADL	0.344	7.678	0.38256	0.90061	inad-like (Drosophila)	Plasma Membrane	other
5107	CD97	-0.386	7.337	0.38318	0.90061	adhesion G-protein-coupled receptor E5	Plasma Membrane	G-protein coupled receptor
5108	C11orf133	-0.419	6.433	0.38326	0.90061	chromosome 11 open reading frame 31	Nucleus	other
5109	COMMD1	-0.521	5.696	0.38285	0.90061	copper metabolism (Murr1) domain containing 1	Nucleus	transporter
5110	RABL6	-0.580	5.014	0.38306	0.90061	RAB, member RAS oncogene family-like 6	Cytoplasm	other
5111	HAUS6P1	-0.829	4.179	0.38302	0.90061	HAUS augmin-like complex, subunit 6 pseudogene 1	Other	other
5112	SNAPC4	-0.992	3.623	0.38284	0.90061	small nuclear RNA activating complex, polypeptide 4, 190kDa	Nucleus	transcription regulator
5113	MBLAC2	-1.014	4.036	0.38319	0.90061	metallo-beta-lactamase domain containing 2	Cytoplasm	other
5114	NETO2	-1.695	3.596	0.38305	0.90061	neuropilin (NRP) and tolloid (TLL)-like 2	Plasma Membrane	other
5115	LRCH4	0.710	4.527	0.38358	0.9012	leucine-rich repeats and calponin homology (CH) domain containing 4	Cytoplasm	transcription regulator
5116	UBE2Z	-0.326	7.268	0.38368	0.9012	ubiquitin-conjugating enzyme E2Z	Other	other
5117	KIF3B	-0.486	6.458	0.3838	0.9012	kinesin family member 3B	Cytoplasm	transporter
5118	SPTBN5	-1.493	2.629	0.38375	0.9012	spectrin, beta, non-erythrocytic 5	Plasma Membrane	other
5119	BACH1-IT1	1.199	2.659	0.38417	0.90124			
5120	ZNF738	0.933	3.721	0.38414	0.90124	zinc finger protein 738	Other	enzyme
5121	ZCMAHVL	0.897	4.467	0.38456	0.90124	zinc finger CCHC-type, antiviral 1-like	Other	other
5122	ZNF251	0.728	4.847	0.3844	0.90124	zinc finger protein 251	Nucleus	other
5123	PHF2	0.692	5.231	0.38409	0.90124	PHD finger protein 2	Nucleus	other
5124	HARS2	0.420	6.665	0.38449	0.90124	histidyl-tRNA synthetase 2, mitochondrial	Cytoplasm	enzyme
5125	RBMSA	-0.377	6.586	0.38451	0.90124	RNA binding motif protein 8A	Nucleus	other
5126	BATF	-0.456	6.504	0.38394	0.90124	basic leucine zipper transcription factor, ATF-like	Nucleus	transcription regulator
5127	BRAP	-0.459	6.825	0.38451	0.90124	BRCA1 associated protein	Cytoplasm	enzyme
5128	XXYL1	-1.031	3.602	0.38451	0.90124	xyloside xylosyltransferase 1	Other	other
5129	SLC38A4	1.603	2.058	0.3851	0.90132	solute carrier family 38, member 4	Plasma Membrane	transporter
5130	KHSRP	0.922	3.345	0.38512	0.90132	KH-type splicing regulatory protein	Nucleus	enzyme
5131	TCEAL1	0.749	4.162	0.38504	0.90132	transcription elongation factor A (SII)-like 1	Nucleus	transcription regulator
5132	USP8	-0.336	7.957	0.38504	0.90132	ubiquitin specific peptidase 8	Cytoplasm	peptidase
5133	PDCD5	-0.494	5.812	0.38491	0.90132	programmed cell death 5	Nucleus	other
5134	PHACTR4	-0.499	5.825	0.38494	0.90132	phosphatase and actin regulator 4	Plasma Membrane	other
5135	TPK1	-0.630	4.738	0.38501	0.90132	inositol-tetrakisphosphate 1-kinase	Cytoplasm	kinase
5136	TMEM101	-0.664	5.700	0.38537	0.90171	transmembrane protein 101	Extracellular Space	other
5137	GRP63	1.736	2.790	0.38563	0.90181	G-protein-coupled receptor 63	Plasma Membrane	G-protein coupled receptor
5138	DTX3	1.406	2.848	0.3855	0.90181	deltex 3, E3 ubiquitin ligase	Cytoplasm	other
5139	FOXK2	0.522	5.445	0.3856	0.90181	forkhead box K2	Nucleus	transcription regulator
5140	CSTF1	0.392	6.814	0.38573	0.90186	cleavage stimulation factor, 3' pre-RNA, subunit 1, 50kDa	Nucleus	other
5141	COL6A4P2	1.452	2.303	0.38657	0.90219	collagen, type VI, alpha 4 pseudogene 2	Other	other
5142	TMEM398	1.225	2.277	0.38598	0.90219	transmembrane protein 398	Cytoplasm	other
5143	CMTM8	0.961	3.977	0.38664	0.90219	CK1-like MARVEL transmembrane domain containing 8	Extracellular Space	cytokine
5144	MIDN	0.740	4.083	0.38665	0.90219	midolin	Nucleus</	

5148	BCAP31	-0.296	7.987	0.38684	0.90219	B-cell receptor-associated protein 31	Cytoplasm	transporter
5149	SRP54	-0.331	7.656	0.38642	0.90219	signal recognition particle 54kDa	Cytoplasm	other
5150	AGGF1	-0.400	6.964	0.38658	0.90219	angiogenic factor with G patch and FHA domains 1	Cytoplasm	other
5151	SOS2	-0.400	7.435	0.38664	0.90219	son of sevenless homolog 2 (Drosophila)	Cytoplasm	other
5152	TMEM64	-0.522	5.479	0.38654	0.90219	transmembrane protein 64	Cytoplasm	other
5153	CDAN1	-0.773	4.248	0.38679	0.90219	codanin 1	Nucleus	other
5154	PKD1L1	1.373	2.286	0.38783	0.90228	polycystic kidney disease 1 like 1	Plasma Membrane	ion channel
5155	DARDD3	0.522	5.514	0.38794	0.90228	DAR anticodon binding domain containing 3	Other	other
5156	TSPD	0.404	6.905	0.38791	0.90228	translocator protein (180Da)	Cytoplasm	transmembrane receptor
5157	NLR3	0.317	7.495	0.38751	0.90228	NLR family, CARD domain containing 3	Cytoplasm	other
5158	TERF2IP	-0.290	7.919	0.3873	0.90228	telomeric repeat binding factor 2, interacting protein	Nucleus	other
5159	PLEKHQ2	-0.398	6.411	0.38716	0.90228	pleckstrin homology domain containing, family O member 2	Cytoplasm	other
5160	ZER1	-0.399	6.799	0.38766	0.90228	zyg-11 related, cell cycle regulator	Other	enzyme
5161	MUL1	-0.456	6.544	0.3876	0.90228	mitochondrial E3 ubiquitin protein ligase 1	Cytoplasm	enzyme
5162	XRRA1	-0.579	5.716	0.38714	0.90228	X-ray radiation resistance associated 1	Cytoplasm	other
5163	COQ7	-0.655	4.736	0.38703	0.90228	coenzyme Q7 homolog, ubiquinone (yeast)	Cytoplasm	enzyme
5164	GMCL1P1	-0.839	3.333	0.38746	0.90228	germ cell-less, spermatogenesis associated 1 pseudogene 1	Nucleus	other
5165	ACOX3	-0.894	3.958	0.38737	0.90228	acyl-CoA oxidase 3, pristanoyl	Cytoplasm	enzyme
5166	ARPC3P1	-0.971	2.818	0.38756	0.90228	actin related protein 2/3 complex, subunit 3 pseudogene 1	Other	other
5167	FLNB	-1.066	5.339	0.38775	0.90228	fibrillin 9, beta	Cytoplasm	other
5168	LOXL1	0.973	3.141	0.38815	0.90236	lysyl oxidase like 1	Extracellular Space	enzyme
5169	GAUNT3	0.647	5.322	0.38834	0.90236	polypeptide N-acetyl-galactosaminyltransferase 3	Cytoplasm	enzyme
5170	CDCL4A	0.426	7.094	0.38849	0.90236	cell division cycle 14A	Nucleus	phosphatase
5171	CRY1	0.382	7.136	0.38842	0.90236	cryptochrome circadian clock 1	Nucleus	enzyme
5172	SNAPIN	-0.375	6.573	0.38845	0.90236	SNAP-associated protein	Plasma Membrane	other
5173	FBXW8	-0.922	3.914	0.38809	0.90236	F-box and WD repeat domain containing 8	Cytoplasm	other
5174	GDPGP1	-1.295	2.596	0.3884	0.90236	GDP-D-glucose phosphatase 1	Cytoplasm	other
5175	TMEM234	0.822	4.240	0.38862	0.90248	transmembrane protein 234	Other	other
5176	FNTB	0.942	3.804	0.3892	0.90262	farnesyltransferase, CAAX box, beta	Cytoplasm	enzyme
5177	ADHFE1	0.521	6.103	0.38923	0.90262	alcohol dehydrogenase, iron containing, 1	Cytoplasm	enzyme
5178	TMED3	0.506	5.761	0.38896	0.90262	transmembrane emp24 protein transport domain containing 3	Cytoplasm	transporter
5179	C21orf91	0.338	7.117	0.38825	0.90262	chromosome 21 open reading frame 91	Other	other
5180	SPF7	0.322	7.303	0.38892	0.90262	spastic paraplegia 7 (pure and complicated autosomal recessive)	Cytoplasm	peptidase
5181	TSFM	-0.614	5.442	0.38928	0.90262	Ts translation elongation factor, mitochondrial	Cytoplasm	translation regulator
5182	MAGEF1	-0.626	4.934	0.38909	0.90262	melanoma antigen family F1	Cytoplasm	other
5183	SNRPP1	-0.682	4.342	0.38918	0.90262	small nuclear ribonucleoprotein polypeptide F pseudogene 1	Other	other
5184	ZBTB17	0.647	5.409	0.3896	0.90318	zinc finger and BTB domain containing 17	Nucleus	transcription regulator
5185	ARL15	0.976	3.623	0.38984	0.90356	ADP-ribosylation factor-like 15	Cytoplasm	other
5186	WIPI1	0.476	6.134	0.38992	0.90357	WD repeat domain, phosphoinositide interacting 1	Cytoplasm	other
5187	MAFF	0.877	4.842	0.39019	0.9036	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog F	Nucleus	transcription regulator
5188	CHMP6	0.751	4.882	0.39031	0.9036	charged multivesicular body protein 6	Cytoplasm	other
5189	AP4B1	0.434	6.555	0.39038	0.9036	adaptor-related protein complex 4, beta 1 subunit	Cytoplasm	transporter
5190	UBAP2	-0.469	5.783	0.39012	0.9036	ubiquitin associated protein 2	Cytoplasm	other
5191	RPS28	-0.536	5.357	0.39025	0.9036	ribosomal protein S28	Cytoplasm	other
5192	ZNF433	-1.018	4.799	0.39034	0.9036	zinc finger protein 543	Other	other
5193	SXN19P2	1.376	1.838	0.39071	0.90366	sorting nexin 19 pseudogene 2	Other	other
5194	CAPN12	1.302	2.657	0.39064	0.90366	calpain 12	Other	peptidase
5195	PNRC2	-0.373	6.698	0.3906	0.90366	proline-rich nuclear receptor coactivator 2	Nucleus	other
5196	TMIGD2	-0.756	4.484	0.3906	0.90366	transmembrane and immunoglobulin domain containing 2	Other	other
5197	COP5P5	1.067	2.606	0.39096	0.90394	COP9 signalosome subunit 5 pseudogene 1	Other	other
5198	PPP1R13L	0.807	3.992	0.39143	0.90394	protein phosphatase 1, regulatory subunit 13 like	Nucleus	transcription regulator
5199	RPS19BP1	-0.373	6.611	0.39126	0.90394	ribosomal protein S19 binding protein 1	Nucleus	other
5200	COX14	-0.447	5.829	0.39134	0.90394	COX14 cytochrome c oxidase assembly factor	Cytoplasm	other
5201	TPRG1L	-0.509	6.085	0.39126	0.90394	tumor protein p63 regulated 1-like	Cytoplasm	other
5202	ZNF606	-0.622	5.427	0.39138	0.90394	zinc finger protein 606	Nucleus	other
5203	PHLD82	-0.676	4.632	0.39136	0.90394	pleckstrin homology-like domain, family 8, member 2	Cytoplasm	other
5204	TRAP	-1.074	3.346	0.39134	0.90394	cell-interleukin-1 receptor (TIR) domain containing adaptor protein	Cytoplasm	other
5205	HERC2P9	0.961	3.154	0.39157	0.90409	hect domain and RLD 2 pseudogene 9	Cytoplasm	other
5206	CCZHC1C	1.343	2.381	0.392	0.90432	zinc finger, C2HC-type containing 1C	Other	other
5207	TBC1D16	1.090	2.801	0.39219	0.90432	TBC1 domain family, member 16	Extracellular Space	other
5208	PKD1P6	0.997	3.050	0.39229	0.90432	polycystic kidney disease 1 (autosomal dominant) pseudogene 6	Other	other
5209	GUCY1A3	0.768	6.328	0.39197	0.90432	guanylate cyclase 1, soluble, alpha 3	Cytoplasm	enzyme
5210	PATZ1	0.641	4.831	0.39175	0.90432	POZ (BTB) and AT hook containing zinc finger 1	Nucleus	transcription regulator
5211	PEL1	0.546	5.296	0.39242	0.90432	pellino E3 ubiquitin protein ligase 1	Cytoplasm	enzyme
5212	RFX7	0.491	5.702	0.39242	0.90432	regulatory factor X, 7	Other	other
5213	GLIPR2	0.460	7.353	0.39211	0.90432	GLI pathogenesis-related 2	Cytoplasm	other
5214	RPS18P9	-0.765	4.147	0.3922	0.90432	ribosomal protein S18 pseudogene 9	Other	other
5215	BAIP2L1	-1.364	3.528	0.39229	0.90432	BAI1-associated protein 2-like 1	Cytoplasm	other
5216	SYNJ2	-0.502	6.319	0.39274	0.90471	synaptotagmin 2	Cytoplasm	phosphatase
5217	FAR1P1	-1.253	2.236	0.39274	0.90471	fatty acyl CoA reductase 1 pseudogene 1	Other	other
5218	FXN	0.480	5.539	0.39309	0.90533	frataxin	Cytoplasm	kinase
5219	CTSC	-0.366	6.853	0.39328	0.90559	cathepsin C	Cytoplasm	peptidase
5220	SLC20A1	-0.319	7.413	0.39354	0.90585	solute carrier family 20 (phosphate transporter), member 1	Plasma Membrane	transporter
5221	FAM91A2	-0.894	2.982	0.39352	0.90585			
5222	CSRN2	0.464	6.272	0.39466	0.9065	cysteine-serine-rich nuclear protein 2	Nucleus	transcription regulator
5223	AKAP8	0.389	6.644	0.39439	0.9065	A kinase (PRKA) anchor protein 8	Nucleus	other
5224	TRNT1	0.366	6.482	0.3944	0.9065	tRNA nucleotidyl transferase, CCA-adding, 1	Cytoplasm	enzyme
5225	PIK3IP1	0.349	9.174	0.39402	0.9065	phosphoinositide-3-kinase interacting protein 1	Cytoplasm	other
5226	ALDOA	0.297	9.799	0.3946	0.9065	aldolase A, fructose-bisphosphate	Cytoplasm	enzyme
5227	HSPA9	-0.295	8.627	0.39406	0.9065	heat shock 70kDa protein 9 (mortalin)	Cytoplasm	other
5228	MTFN	-0.341	6.817	0.39445	0.9065	myotrophin	Nucleus	transcription regulator
5229	MPHOSPH9	-0.459	6.666	0.39416	0.9065	M-phase phosphoprotein 9	Cytoplasm	other
5230	RNASEH1	-0.483	5.612	0.39454	0.9065	ribonuclease H1	Nucleus	enzyme
5231	HAVCR2	-0.948	4.921	0.39453	0.9065	hepatitis A virus cellular receptor 2	Plasma Membrane	other
5232	POLD1	-1.093	3.888	0.39473	0.9065	polymerase (DNA directed), delta 1, catalytic subunit	Nucleus	enzyme
5233	RSL24D1P1	-1.141	2.626	0.39442	0.9065	ribosomal L24 domain containing 1 pseudogene 1	Other	other
5234	CYP3A5	0.982	3.645	0.39534	0.90668	cytochrome P450, family 3, subfamily A, polypeptide 5	Cytoplasm	enzyme
5235	SMYD4	0.800	5.684	0.39536	0.90668	SET and MYND domain containing 4	Other	other
5236	FBXO9	0.305	7.870	0.39528	0.90668	F-box protein 9	Cytoplasm	enzyme
5237	GNIG2	-0.298	7.528	0.39562	0.90668	guanine nucleotide binding protein (G protein), gamma 2	Plasma Membrane	enzyme
5238	TRAPPC10	-0.446	6.230	0.3952	0.90668	trafficking protein particle complex 10	Cytoplasm	transporter
5239	UBXN28	-0.492	6.011	0.39565	0.90668	UBX domain protein 28	Other	other
5240	TMEM1264	-0.505	5.497	0.39578	0.90668	transmembrane protein 1264	Cytoplasm	other
5241	MAN1C1	-0.716	4.675	0.39548	0.90668	mannosidase, alpha, class 1C, member 1	Cytoplasm	enzyme
5242	GMPBP	-0.717	6.430	0.39545	0.90668	GDP-mannose pyrophosphorylase B	Cytoplasm	enzyme
5243	WRAP53	-0.737	4.469	0.39579	0.90668	WD repeat containing, antisense to TP53	Nucleus	other
5244	ANKK5	-1.028	4.810	0.39559	0.90668	ankyrin repeat and sterile alpha motif domain containing 6	Cytoplasm	other
5245	HMBG3P4	-1.565	2.657	0.39543	0.90668	high mobility group box 3 pseudogene 4	Other	other
5246	UNC138	-1.739	2.234	0.39502	0.90668	unc-13 homolog B (C. elegans)	Cytoplasm	other
5247	ADCY3	-1.180	3.009	0.39586	0.90668	adenylate cyclase 3	Plasma Membrane	enzyme
5248	UQC	-0.528	5.641	0.39603	0.9069	ubiquinol-cytochrome c reductase complex assembly factor 1	Cytoplasm	other
5249	C9orf41	0.632	5.014	0.3962	0.90696	chromosome 9 open reading frame 41	Other	other
5250	FERMT3	-0.467	7.541	0.39621	0.90696	fermitin family member 3	Cytoplasm	enzyme
5251	RALGPS2	-0.815	5.348	0.39631	0.90701	Rai GEF with PH domain and SH3 binding motif 2	Other	other
5252	PILRA	1.407	2.266	0.3966	0.90705	paired immunoglobulin-like type 2 receptor alpha	Plasma Membrane	other
5253	ZNF202	0.606	5.727	0.39662	0.90705	zinc finger protein 202	Nucleus	transcription regulator
5254	GAMT	-1.005	3.515	0.39663	0.90705	guanidinoacetate N-methyltransferase	Cytoplasm	enzyme
5255	FOXO2-AS1	-1.363	2.309	0.39644	0.90705	FOXO2 antisense RNA 1 (head to head)	Other	other
5256	TLL10	1.164	2.297	0.39761	0.90743	tubulin tyrosine ligase-like family member 10	Extracellular Space	other
5257	LINC00672	1.017	3.790	0.39711	0.90743	long intergenic non-protein coding RNA 672	Other	other
5258	SMG6	0.663	4.859	0.39734	0.90743	SMG6 nonsense mediated mRNA decay factor	Nucleus	enzyme
5259	ZNF585A	0.625	5.874	0.39712	0.90743	zinc finger protein 585A	Nucleus	other
5260	FKBP5	0.319	8.544	0.39764	0.90743	FK506 binding protein 5	Nucleus	enzyme
5261	WDR33	0.300	7.545	0.39736	0.90743	WD repeat domain 33	Nucleus	other
5262	CARS2	-0.389	6.658	0.3972	0.90743	cysteinylnl-RNA synthetase 2, mitochondrial (putative)	Cytoplasm	enzyme
5263	HEG1	-0.422	6.302	0.39688	0.90743	heart development protein with EGF-like domains 1	Plasma Membrane	other
5264	HINT1P1	-0.708	4.225	0.3977	0.90743	histidine triad nucleotide binding protein 1 pseudogene 1	Other	other
5265	RPPI4	-0.715	4.297	0.39753	0.90743	ribonuclease P/IMP 14kDa subunit	Nucleus	enzyme
5266	C10orf57	-1.008	4.079	0.39758	0.90743	transmembrane protein 254	Other	other
5267	RFWO2P1	-1.140	2.097	0.39718	0.90743	ring finger and WD repeat domain 2, E3 ubiquitin protein ligase pseudogene 1	Other	other
5268	IPK2	0.334	7.441	0.39786	0.90753	inositol hexakisphosphate kinase 2	Cytoplasm	kinase
5269	MEX3C	-0.472	5.839	0.39789	0.90753	mex-3 RNA binding family member C	Cytoplasm	other
5270	ICA1L	0.791	4.076	0.39808	0.90757	islet cell autoantigen 1,69kDa-like	Other	other
5271	TES	-0.290	8.547	0.39807	0.90757	testin LIM domain protein	Plasma Membrane	other
5272	ANKRD6	-0.717	4.745	0.39821	0.90757	ankyrin repeat domain 6	Nucleus	transcription regulator
5273	FCER2	-1.449	3.432	0.3982	0.90757	Fc fragment of IgE, low affinity II, receptor for (CD23)	Plasma Membrane	transmembrane receptor
5274	CALU	-0.387	7.797	0.39834	0.90758	calumenin	Cytoplasm	other
5275	KIF18	-0.593	5.194	0.39837	0.90758	kinesin family member 18	Cytoplasm	transporter
5276	NFATC1	0.550	5.261	0.39853	0.90761	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1	Nucleus	transcription regulator
5277	POLR3G	-1.054	2.793	0.39848</				

5280	AACS	0.688	4.800	0.39882	0.90801	acetoacetyl-CoA synthetase	Cytoplasm	enzyme
5281	MBTPS1	0.331	7.761	0.39914	0.90801	membrane-bound transcription factor peptidase, site 1	Cytoplasm	peptidase
5282	ORMDL1	0.295	8.364	0.39969	0.90801	ORMDL sphingolipid biosynthesis regulator 1	Cytoplasm	other
5283	BTBD6	-0.393	6.273	0.39931	0.90801	BTB (POZ) domain containing 6	Other	other
5284	TOR1AIP2	-0.440	5.936	0.3993	0.90801	torsin A interacting protein 2	Cytoplasm	other
5285	ZNRD1	-0.457	5.863	0.39935	0.90801	zinc ribbon domain containing 1	Nucleus	transcription regulator
5286	RANBP10	-0.461	5.678	0.39926	0.90801	RAN binding protein 10	Cytoplasm	other
5287	ATP2A2	-0.630	5.512	0.39946	0.90801	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2	Cytoplasm	transporter
5288	B3GALNT2	-0.863	4.070	0.39968	0.90801	beta-1,3-N-acetylglucosaminyltransferase 2	Cytoplasm	enzyme
5289	IAM2	-1.060	2.931	0.39948	0.90801	junctional adhesion molecule 2	Plasma Membrane	other
5290	C9orf91	-1.063	3.968	0.39906	0.90801	chromosome 9 open reading frame 91	Cytoplasm	other
5291	PIGA	0.476	5.757	0.4006	0.90963	phosphatidylinositol glycan anchor biosynthesis, class A	Cytoplasm	enzyme
5292	ERP44	-0.342	7.570	0.40058	0.90963	endoplasmic reticulum protein 44	Cytoplasm	enzyme
5293	STK24	-0.356	7.161	0.40063	0.90963	serine/threonine kinase 24	Cytoplasm	kinase
5294	AOAH	0.956	6.017	0.40077	0.90977	acyloxyacyl hydrolase (neutrophil)	Extracellular Space	enzyme
5295	ZBTB26	0.764	4.338	0.40094	0.90981	zinc finger and BTB domain containing 26	Nucleus	other
5296	C18orf8	-0.316	7.078	0.40088	0.90981	chromosome 18 open reading frame 8	Cytoplasm	other
5297	NUDCD2	-0.361	6.787	0.40102	0.90984	NuDC domain containing 2	Cytoplasm	other
5298	ZRANB3	0.830	4.135	0.4013	0.9101	zinc finger, RAN-binding domain containing 3	Nucleus	enzyme
5299	RGPI	-0.658	4.936	0.40137	0.9101	RGPI retrograde golgi transport homolog (S. cerevisiae)	Cytoplasm	other
5300	TMC23	1.516	3.560	0.40131	0.9101	transmembrane and coiled-coil domain family 3	Other	other
5301	NMNAT1	-0.877	4.229	0.40155	0.91035	nicotinamide nucleotide adenyllyltransferase 1	Nucleus	enzyme
5302	ZCRB1	0.601	5.011	0.4018	0.91039	zinc finger CCHC-type and RNA binding motif 1	Nucleus	other
5303	ZW10	-0.481	6.006	0.40166	0.91039	zw10 kinetochore protein	Nucleus	other
5304	SLC12A6	-0.594	5.538	0.40173	0.91039	solute carrier family 12 (potassium/chloride transporter), member 6	Plasma Membrane	transporter
5305	SEPT7L	1.527	2.005	0.4028	0.91067	septin 7 pseudogene 9	Other	other
5306	FAM129B	1.373	2.336	0.40434	0.91067	family with sequence similarity 129, member B	Cytoplasm	other
5307	TYVH2	1.355	2.876	0.40457	0.91067	twenty family member 2	Other	ion channel
5308	TXLNB	1.071	3.331	0.40435	0.91067	taxillin beta	Cytoplasm	other
5309	PPCDC	0.876	4.961	0.40317	0.91067	phosphoantithenocysteine decarboxylase	Cytoplasm	enzyme
5310	ALM1S1	0.772	5.704	0.40203	0.91067	Alstrom syndrome protein 1	Cytoplasm	other
5311	IRGQ	0.680	5.640	0.40447	0.91067	immunity-related GTPase family, Q	Other	other
5312	PHACTR2	0.546	7.338	0.40325	0.91067	phosphatase and actin regulator 2	Other	other
5313	PCBP1-AS1	0.514	5.465	0.40357	0.91067	PCBP1 antisense RNA 1	Other	other
5314	BTN2A2	0.507	5.535	0.40246	0.91067	butyrophilin, subfamily 2, member A2	Cytoplasm	other
5315	TBC1D20	0.433	6.603	0.40256	0.91067	TBC1 domain family, member 20	Nucleus	other
5316	ZAP70	0.413	7.164	0.40291	0.91067	zeta-chain (TCR) associated protein kinase 70kDa	Plasma Membrane	kinase
5317	ANKRD36B	0.375	7.103	0.4037	0.91067	ankyrin repeat domain 36B	Extracellular Space	other
5318	RPL22	0.366	6.375	0.40387	0.91067	ribosomal protein L22	Nucleus	other
5319	PNMA1	0.341	6.898	0.40414	0.91067	paraneoplastic Ma antigen 1	Nucleus	other
5320	GAB3	0.290	8.093	0.40457	0.91067	GRB2-associated binding protein 3	Other	other
5321	SS18	-0.325	7.710	0.40322	0.91067	synovial sarcoma translocation, chromosome 18	Nucleus	transcription regulator
5322	TBCB	-0.333	6.819	0.40335	0.91067	tubulin folding cofactor C	Cytoplasm	enzyme
5323	NUMB	-0.335	7.153	0.40369	0.91067	numb homolog (Drosophila)	Plasma Membrane	other
5324	POLR3GL	-0.377	6.510	0.40258	0.91067	polymyrase (RNA iii (DNA directed) polypeptide G (32kd)-like	Nucleus	enzyme
5325	REV1	-0.385	6.815	0.40412	0.91067	REV1, polymerase (DNA directed)	Nucleus	enzyme
5326	PTPN1	-0.408	6.695	0.40404	0.91067	protein tyrosine phosphatase, non-receptor type 1	Cytoplasm	phosphatase
5327	UBE2W	-0.421	6.152	0.40424	0.91067	ubiquitin-conjugating enzyme E2W (putative)	Nucleus	enzyme
5328	UBE3C	-0.452	6.100	0.4033	0.91067	ubiquitin protein ligase E3C	Nucleus	enzyme
5329	SMCR7L	-0.468	6.877	0.40294	0.91067	mitochondrial elongation factor 1	Cytoplasm	other
5330	LSM6	-0.537	5.403	0.40439	0.91067	LSM6 homolog, U6 small nuclear RNA associated (S. cerevisiae)	Nucleus	other
5331	CBX6	-0.565	5.152	0.40416	0.91067	chromobox homolog 6	Nucleus	other
5332	KLHL20	-0.575	6.054	0.40324	0.91067	kelch-like family member 20	Plasma Membrane	enzyme
5333	ZNF189	-0.624	5.429	0.40281	0.91067	zinc finger protein 189	Nucleus	transcription regulator
5334	ZNF282	-0.814	4.136	0.404	0.91067	zinc finger protein 282	Nucleus	transcription regulator
5335	METTL12	-0.830	3.900	0.40249	0.91067	methyltransferase like 12	Cytoplasm	other
5336	SCFD2	-0.849	4.124	0.40383	0.91067	scf1 family domain containing 2	Other	other
5337	NSDHL	-0.881	5.171	0.40213	0.91067	NAD(P) dependent steroid dehydrogenase-like	Cytoplasm	enzyme
5338	RHEBL1	-1.042	4.143	0.40255	0.91067	Ras homolog enriched in brain like 1	Cytoplasm	enzyme
5339	ZBED3-AS1	-1.621	2.004	0.40408	0.91067	ZBED3 antisense RNA 1	Other	other
5340	SAC3D1	-0.876	3.582	0.40473	0.91086	SAC3 domain containing 1	Cytoplasm	other
5341	DDX12P	1.900	1.753	0.40501	0.91106	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 12, pseudogene	Other	other
5342	TMEM42	0.751	4.438	0.40513	0.91106	transmembrane protein 42	Other	other
5343	FAHD1	-0.519	5.360	0.40509	0.91106	fumarylacetoacetate hydrolase domain containing 1	Cytoplasm	enzyme
5344	PSMA2P3	-0.625	4.660	0.40491	0.91106	proteasome (prosome, macropain) subunit, alpha type, 2 pseudogene 3	Other	other
5345	KIAA1467	1.510	2.372	0.407	0.91113	KIAA1467	Other	other
5346	CCDC173	1.235	2.097	0.40781	0.91113	coiled-coil domain containing 173	Other	other
5347	C18orf44	1.111	3.099	0.40839	0.91113	chromosome 19 open reading frame 44	Other	other
5348	C3AR1	0.878	4.681	0.40859	0.91113	complement component 3a receptor 1	Plasma Membrane	G-protein coupled receptor
5349	CRTC1	0.854	3.209	0.40709	0.91113	CREB regulated transcription coactivator 1	Nucleus	transcription regulator
5350	PON2	0.778	3.947	0.4095	0.91113	paraoxonase 2	Plasma Membrane	enzyme
5351	FAR2	0.759	4.604	0.40585	0.91113	fatty acyl CoA reductase 2	Cytoplasm	enzyme
5352	GAB2	0.626	6.499	0.40863	0.91113	GRB2-associated binding protein 2	Cytoplasm	other
5353	FAM222B	0.619	5.404	0.40663	0.91113	family with sequence similarity 222, member B	Nucleus	other
5354	CYP4V2	0.590	5.867	0.40915	0.91113	cytochrome P450, family 4, subfamily V, polypeptide 2	Cytoplasm	enzyme
5355	ING5	0.536	5.475	0.40934	0.91113	inhibitor of growth family, member 5	Nucleus	other
5356	METTL21A	0.469	6.196	0.4093	0.91113	methyltransferase like 21A	Other	enzyme
5357	KLC1	0.442	6.253	0.40757	0.91113	kinesin light chain 1	Cytoplasm	other
5358	CSDA	0.424	6.041	0.40571	0.91113	Y box binding protein 3	Nucleus	transcription regulator
5359	AHS42	0.389	6.611	0.40658	0.91113	AHA1, activator of heat shock 90kDa protein ATPase homolog 2 (yeast)	Other	other
5360	ABTB1	0.386	6.788	0.4057	0.91113	ankyrin repeat and BTB (POZ) domain containing 1	Cytoplasm	transcription regulator
5361	RNF167	0.375	6.442	0.40717	0.91113	ring finger protein 167	Cytoplasm	enzyme
5362	ERLEC1	0.335	7.317	0.40786	0.91113	endoplasmic reticulum lectin 1	Cytoplasm	other
5363	RBM48	0.332	6.922	0.40624	0.91113	RNA binding motif protein 48	Nucleus	other
5364	UBR5	0.313	7.505	0.407	0.91113	ubiquitin protein ligase E3 component n-recognin 5	Nucleus	enzyme
5365	KIAA0226	0.311	7.189	0.40925	0.91113	KIAA0226	Cytoplasm	other
5366	STAT5A	0.305	7.889	0.40963	0.91113	signal transducer and activator of transcription 5A	Nucleus	transcription regulator
5367	ARHGAP15	0.294	8.406	0.40614	0.91113	Rho GTPase activating protein 15	Cytoplasm	other
5368	WAC	0.290	8.353	0.40798	0.91113	WW domain containing adaptor with coiled-coil	Nucleus	other
5369	ZNF791	0.289	8.179	0.40915	0.91113	zinc finger protein 791	Other	other
5370	SLC30A7	0.269	8.743	0.4063	0.91113	solute carrier family 30 (zinc transporter), member 7	Cytoplasm	transporter
5371	FUBP1	-0.278	8.428	0.40703	0.91113	far upstream element (FUSE) binding protein 1	Nucleus	transcription regulator
5372	UBA3	-0.291	7.706	0.40842	0.91113	ubiquitin-like modifier activating enzyme 3	Cytoplasm	enzyme
5373	PCID2	-0.319	7.115	0.40909	0.91113	PCI domain containing 2	Nucleus	transcription regulator
5374	VAMP8	-0.334	6.842	0.407	0.91113	vesicle-associated membrane protein 8	Plasma Membrane	transporter
5375	PIK3C3	-0.352	7.622	0.40803	0.91113	phosphatidylinositol 3-kinase, catalytic subunit type 3	Cytoplasm	kinase
5376	NBEAL2	-0.365	7.267	0.4096	0.91113	neurobeachin-like 2	Cytoplasm	other
5377	TOPBP1	-0.382	6.529	0.40832	0.91113	topoisomerase (DNA) II binding protein 1	Nucleus	other
5378	C3orf38	-0.400	6.617	0.40619	0.91113	chromosome 3 open reading frame 38	Other	peptidase
5379	GNPAT	-0.424	6.985	0.40874	0.91113	glycerophosphate O-acyltransferase	Cytoplasm	enzyme
5380	RAC1P2	-0.460	5.625	0.40596	0.91113	ras-related C3 botulinum toxin substrate 1 pseudogene 2	Other	other
5381	HECTD3	-0.464	6.328	0.40674	0.91113	HECT domain containing E3 ubiquitin protein ligase 3	Cytoplasm	enzyme
5382	LANCL1	-0.470	6.334	0.40611	0.91113	LaNC1 lantibiotic synthetase component C-like 1 (bacterial)	Plasma Membrane	other
5383	SZT2	-0.470	5.642	0.4085	0.91113	seizure threshold 2 homolog (mouse)	Cytoplasm	other
5384	TRAPP1C2	-0.471	5.697	0.40928	0.91113	trafficking protein particle complex 12	Other	other
5385	TLRP2	-0.504	5.325	0.40925	0.91113	ferritin, light polypeptide pseudogene 2	Other	other
5386	SFA3P2	-0.513	5.221	0.40646	0.91113	splicing factor 3a, subunit 3 pseudogene 2	Other	other
5387	MED27	-0.626	4.771	0.4078	0.91113	mediator complex subunit 27	Nucleus	transcription regulator
5388	XPTOP1	-0.642	4.548	0.40534	0.91113	exportin, tRNA pseudogene 1	Other	other
5389	ARHGAP10	-0.647	4.654	0.4096	0.91113	Rho GTPase activating protein 10	Cytoplasm	other
5390	LYPLA2P1	-0.654	4.426	0.4074	0.91113	lysophospholipase II pseudogene 1	Other	enzyme
5391	MED9	-0.677	4.599	0.40686	0.91113	mediator complex subunit 9	Nucleus	other
5392	FAM86A	-0.706	3.939	0.40533	0.91113	eukaryotic elongation factor 2 lysine methyltransferase	Other	enzyme
5393	DNAH17	-0.730	4.260	0.40731	0.91113	dynein, axonemal, heavy chain 17	Cytoplasm	other
5394	FRG1B	-0.818	4.318	0.40756	0.91113	FSHD region gene 1 family, member 6	Other	other
5395	DRHS13	-0.854	3.664	0.40718	0.91113	dehydrogenase/reductase (SDR family) member 13	Other	enzyme
5396	ECT2L	-0.875	3.511	0.40896	0.91113	epithelial cell transforming 2 like	Other	other
5397	NIPP1	-0.893	3.115	0.40876	0.91113	nuclear pore complex interacting protein pseudogene 1	Other	other
5398	MIR570	-1.025	2.703	0.40943	0.91113	microRNA 548	Cytoplasm	microRNA
5399	C15orf48	-1.064	3.307	0.40565	0.91113	chromosome 15 open reading frame 48	Nucleus	other
5400	DAG1	-1.115	2.907	0.4074	0.91113	dystroglycan 1 (dystrophin-associated glycoprotein 1)	Plasma Membrane	transmembrane receptor
5401	MIR3654	-1.292	2.548	0.4063	0.91113	microRNA 3654	Cytoplasm	microRNA
5402	TRAJ38	-1.348	2.044	0.4094	0.91113	T cell receptor alpha joining 38	Other	other
5403	EMIL1	-1.389	2.002	0.4065	0.91113	echinoderm microtubule associated protein like 1	Cytoplasm	other
5404	VDAC1P1	-0.664	4.507	0.40971	0.91114	voltage-dependent anion channel 1 pseudogene 1	Other	other
5405	HIGD2A	-0.480	5.531	0.40987	0.91126	HIG1 hypoxia inducible domain family, member 2A	Cytoplasm	other
5406	U2AF1L4	-0.697	4.439	0.40991	0.91126	U2 small nuclear RNA auxiliary factor 1-like 4	Nucleus	other
5407	DOLPP1	-0.957	4.114	0.41018	0.91138	dolichylidiphosphatase 1	Cytoplasm	enzyme
5408	PTC02	-1.084	3.696	0.4102	0.91138	pentatricopeptide repeat domain 2	Cytoplasm	other
5409	RGS12	-1.450	3.2					

5412	NFIC	0.636	4.674	0.41077	0.9118	nuclear factor (Y/C (CCAAT-binding transcription factor)	Nucleus	transcription regulator
5413	RPL10	0.279	7.836	0.41054	0.9118	ribosomal protein L10	Cytoplasm	other
5414	ABHD8	-0.762	3.582	0.41076	0.9118	abhydrolase domain containing 8	Cytoplasm	enzyme
5415	GRP25	0.875	4.446	0.41088	0.9119	G protein-coupled receptor 25	Plasma Membrane	G-protein coupled receptor
5416	FKBP3	-0.486	5.455	0.41124	0.91244	FK506 binding protein 3, 25kDa	Nucleus	enzyme
5417	ZNF501	-1.106	2.816	0.41128	0.91244	zinc finger protein 501	Nucleus	other
5418	IFCN1	0.651	5.223	0.41147	0.91251	two pore segment channel 1	Plasma Membrane	ion channel
5419	POLR3K	-0.538	5.220	0.41145	0.91251	polymerase (RNA) III (DNA directed) polypeptide K, 12.3 kDa	Nucleus	transcription regulator
5420	ZNF623	0.883	4.838	0.41412	0.91315	zinc finger protein 623	Nucleus	other
5421	DDX50P2	0.759	3.783	0.41334	0.91315	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 50 pseudogene 2	Other	other
5422	BIVM	0.634	4.797	0.41216	0.91315	basic, immunoglobulin-like variable motif containing	Extracellular Space	other
5423	DNMT3A	0.572	5.086	0.41381	0.91315	DNA (cytosine-5)-methyltransferase 3 alpha	Nucleus	enzyme
5424	C12orf4	0.551	5.654	0.41413	0.91315	chromosome 12 open reading frame 4	Cytoplasm	other
5425	WDR35	0.474	6.120	0.41337	0.91315	WD repeat domain 35	Cytoplasm	other
5426	KIF16B	0.469	5.891	0.41234	0.91315	kinesin family member 16B	Cytoplasm	enzyme
5427	KIF2A	0.407	6.892	0.41408	0.91315	kinesin heavy chain member 2A	Cytoplasm	other
5428	SMC1A	0.306	7.900	0.41186	0.91315	structural maintenance of chromosomes 1A	Nucleus	transporter
5429	ATP5B	-0.263	9.518	0.41301	0.91315	ATP synthase, H+ transporting, mitochondrial F1 complex, beta polypeptide	Cytoplasm	transporter
5430	HLA-F	-0.282	7.753	0.41226	0.91315	major histocompatibility complex, class I, F	Plasma Membrane	transmembrane receptor
5431	COX6B1	-0.317	6.911	0.41397	0.91315	cytochrome c oxidase subunit VIb polypeptide 1 (ubiquitous)	Cytoplasm	enzyme
5432	NEDD8	-0.352	6.456	0.4136	0.91315	neural precursor cell expressed, developmentally down-regulated 8	Nucleus	enzyme
5433	ETFA	-0.371	6.587	0.41195	0.91315	electron-transfer-flavoprotein, alpha polypeptide	Cytoplasm	transporter
5434	FAM199X	-0.376	6.592	0.41419	0.91315	family with sequence similarity 199, X-linked	Other	other
5435	CXOC1	-0.402	6.892	0.41339	0.91315	CXC finger protein 1	Nucleus	transcription regulator
5436	CEPT1	-0.414	6.649	0.4137	0.91315	choline/ethanolamine phosphotransferase 1	Cytoplasm	enzyme
5437	TBC1D9B	-0.416	6.935	0.41398	0.91315	TBC1 domain family, member 9B (with GRAM domain)	Other	other
5438	MTM1	-0.450	6.021	0.41371	0.91315	myotubularin 1	Cytoplasm	phosphatase
5439	RANP1	-0.492	5.419	0.41382	0.91315	RAN, member RAS oncogene family pseudogene 1	Other	other
5440	PTGDR2	-0.513	6.709	0.41397	0.91315	prostaglandin D2 receptor 2	Plasma Membrane	G-protein coupled receptor
5441	ZFP1	-0.663	5.287	0.41253	0.91315	ZFP1 zinc finger protein	Nucleus	other
5442	RBBP4P2	-0.668	4.380	0.41381	0.91315	retinoblastoma binding protein 4 pseudogene 2	Other	other
5443	TNP02	-0.714	4.155	0.41391	0.91315	transcriptin 2	Nucleus	transporter
5444	ERP29P1	-0.793	3.361	0.41222	0.91315	endoplasmic reticulum luminal protein 29 pseudogene 1	Other	other
5445	C5orf62	-0.846	5.153	0.41381	0.91315	small integral membrane protein 3	Other	ion channel
5446	MLANA	-1.022	2.713	0.41257	0.91315	melan-A	Plasma Membrane	other
5447	DNAH10	-1.195	2.524	0.41415	0.91315	dynein, axonemal, heavy chain 10	Other	other
5448	WASH6P	-1.219	2.155	0.41288	0.91315	WAS protein family homolog 6 pseudogene	Other	other
5449	FAM185A	-1.310	2.618	0.41404	0.91315	family with sequence similarity 185, member A	Cytoplasm	other
5450	FLVCR2	-1.327	3.116	0.41204	0.91315	feline leukemia virus subgroup C cellular receptor family, member 2	Plasma Membrane	transporter
5451	TUBG1P	-1.408	1.924	0.41297	0.91315	tubulin, gamma 1 pseudogene	Other	other
5452	RALGDS	0.296	7.302	0.41431	0.91326	ral guanine nucleotide dissociation stimulator	Cytoplasm	other
5453	ZBTB39	-0.484	5.610	0.41457	0.91366	zinc finger and BTB domain containing 39	Nucleus	other
5454	PGA2	0.594	4.870	0.41471	0.91381	post-GPI attachment to proteins 2	Other	transporter
5455	ERC6C12	0.406	6.117	0.41514	0.91402	excision repair cross-complementation group 6-like 2	Other	enzyme
5456	WDR82	-0.388	6.916	0.41519	0.91402	WD repeat domain 82	Nucleus	enzyme
5457	STAMBP	-0.415	6.314	0.41506	0.91402	STAM binding protein	Nucleus	enzyme
5458	MT2A	-0.678	5.046	0.41499	0.91402	metallothionein 2A	Cytoplasm	other
5459	AP2A1	-0.788	3.915	0.41508	0.91402	adaptor-related protein complex 2, alpha 1 subunit	Cytoplasm	transporter
5460	AXIN1	0.632	4.903	0.41527	0.91403	axin 1	Cytoplasm	other
5461	PRIM1	0.513	5.492	0.41542	0.91404	primase, DNA, polypeptide 1 (49kDa)	Nucleus	enzyme
5462	IGBP1	0.322	7.329	0.41537	0.91404	(immunoglobulin (CD79A) binding protein 1	Cytoplasm	phosphatase
5463	KIAA1009	0.588	5.586	0.41561	0.91411	centrosomal protein 162kDa	Nucleus	other
5464	ERH	-0.604	4.805	0.41559	0.91411	enhancer of rudimentary homolog (Drosophila)	Nucleus	other
5465	TOP2B	0.327	7.963	0.4157	0.91416	topoisomerase (DNA) II beta 180kDa	Nucleus	enzyme
5466	NLRP3	1.073	4.278	0.41595	0.91439	NLR family, pyrin domain containing 3	Cytoplasm	other
5467	ARHGAP21	-0.495	5.402	0.41597	0.91439	Rho GTPase activating protein 21	Cytoplasm	other
5468	PAQR3	-0.684	4.975	0.41604	0.91439	progestin and aldosterone receptor family member III	Cytoplasm	other
5469	C16orf5	-0.639	4.743	0.41616	0.91448	cell death-inducing p53 target 1	Other	other
5470	VPS8	0.406	6.562	0.41627	0.91456	vacuolar protein sorting 8 homolog (S. cerevisiae)	Other	other
5471	GNAO1	1.701	1.799	0.41667	0.91517	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O	Plasma Membrane	enzyme
5472	ZFAND3	-0.952	3.177	0.4167	0.91517	zinc finger, AN1-type domain 3	Other	other
5473	DMXL2	1.039	4.262	0.417	0.91536	Dmx-like 2	Cytoplasm	other
5474	KDM1A	0.317	7.350	0.41693	0.91536	lysine (K)-specific demethylase 1A	Nucleus	enzyme
5475	PANK2	-0.363	6.711	0.41702	0.91536	pantothenate kinase 2	Cytoplasm	kinase
5476	LOXL1-AS1	0.770	4.786	0.41768	0.91615	LOXL1 antisense RNA 1	Other	other
5477	DEAF1	0.474	5.749	0.41746	0.91615	DEAF1 transcription factor	Nucleus	transcription regulator
5478	TRMT112	-0.345	6.535	0.41763	0.91615	tRNA methyltransferase 11-2 homolog (S. cerevisiae)	Cytoplasm	enzyme
5479	CNNYL1	-0.990	3.324	0.41755	0.91615	cyclin Y-like 1	Plasma Membrane	other
5480	PRMD8	0.483	5.512	0.41777	0.91617	PRMD domain containing 8	Other	other
5481	DBR1	0.578	5.529	0.41792	0.91619	debranching RNA ligase 1	Nucleus	enzyme
5482	ARSK	0.575	4.783	0.418	0.91619	arylsulfatase family, member K	Extracellular Space	enzyme
5483	PYCRL	-0.914	4.100	0.41798	0.91619	pyrroline-5-carboxylate reductase-like	Other	enzyme
5484	PKD2	0.568	5.252	0.41812	0.91628	polycystic kidney disease 2 (autosomal dominant)	Plasma Membrane	ion channel
5485	DUTP1	1.481	2.318	0.41881	0.91669	deoxyuridine triphosphatase pseudogene 1	Other	other
5486	IPMK	0.857	3.823	0.41879	0.91669	inositol polyphosphate multikinase	Nucleus	kinase
5487	RPS25	0.296	7.301	0.41852	0.91669	ribosomal protein S25	Cytoplasm	other
5488	ITGA10	-0.829	3.687	0.41872	0.91669	integrin, alpha 10	Plasma Membrane	other
5489	METTL15P	-0.981	2.894	0.41884	0.91669	methyltransferase like 15 pseudogene 1	Other	other
5490	FAM209A	-1.168	2.820	0.41865	0.91669	family with sequence similarity 209, member A	Other	other
5491	CCTB8	-1.961	1.798	0.41845	0.91669	chaperonin containing TCP1, subunit 6B (zeta 2)	Cytoplasm	transporter
5492	ADAT3	1.120	2.682	0.41916	0.91673	adenosine deaminase, tRNA-specific 3	Other	enzyme
5493	EEFLD3P	0.542	5.057	0.41923	0.91673	eukaryotic translation elongation factor 1, delta pseudogene 3	Other	other
5494	CHD8	0.430	6.186	0.41897	0.91673	chromodomain helicase DNA binding protein 8	Nucleus	enzyme
5495	CUL2	-0.374	6.424	0.41937	0.91673	cullin 2	Nucleus	enzyme
5496	TM2D1	-0.374	6.458	0.41902	0.91673	TM2 domain containing 1	Plasma Membrane	G-protein coupled receptor
5497	MYEOV2	-0.439	5.686	0.41939	0.91673	myeloma overexpressed 2	Other	other
5498	WDR81	-0.728	4.543	0.41938	0.91673	WD repeat domain 81	Plasma Membrane	other
5499	EEF2	0.266	9.046	0.41966	0.91698	eukaryotic translation elongation factor 2	Cytoplasm	translation regulator
5500	ZNF79	-0.566	5.326	0.4196	0.91698	zinc finger protein 79	Nucleus	other
5501	SLC44A2	0.283	8.058	0.41998	0.91752	solute carrier family 44 (choline transporter), member 2	Extracellular Space	transporter
5502	MAP1LC3A	-1.374	2.269	0.42014	0.9177	microtubule-associated protein 1 light chain 3 alpha	Cytoplasm	other
5503	TMBIM6	-0.251	10.053	0.42032	0.91776	transmembrane BAX inhibitor motif containing 6	Nucleus	other
5504	TGDS	-0.421	6.056	0.42026	0.91776	TDP-glucosyl 4,6-dehydratase	Extracellular Space	enzyme
5505	IC2HC1A	1.055	3.365	0.42041	0.91779	zinc finger, C2HC-type containing 1A	Other	other
5506	ZNF629	-0.907	4.470	0.42052	0.91786	zinc finger protein 629	Nucleus	other
5507	SLFN12	-1.295	3.591	0.42073	0.91816	schlafen family member 12	Other	enzyme
5508	PSD	-0.938	3.564	0.42088	0.91832	pleckstrin and Sec7 domain containing	Cytoplasm	other
5509	CYCSP55	-1.166	1.977	0.421	0.9184	cytochrome c, somatic pseudogene 55	Other	other
5510	VAMP7	-0.403	6.890	0.42115	0.91856	vesicle-associated membrane protein 7	Cytoplasm	transporter
5511	PEX3	0.333	6.577	0.42154	0.91859	peroxisomal biogenesis factor 3	Cytoplasm	other
5512	TAOK1	-0.393	7.496	0.42128	0.91859	TAO kinase 1	Cytoplasm	kinase
5513	C17orf85	-0.416	6.971	0.42148	0.91859	chromosome 17 open reading frame 85	Nucleus	other
5514	CMC1	-0.685	5.155	0.42146	0.91859	C-w(9)-C motif containing 1	Cytoplasm	other
5515	MCLP1	-0.982	4.315	0.42144	0.91859	multiple C2 domains, transmembrane 1	Other	other
5516	SLC31A2	1.170	2.246	0.42169	0.91868	solute carrier family 31 (copper transporter), member 2	Plasma Membrane	transporter
5517	MAPRE1P1	0.947	2.732	0.42119	0.91868	MAPRE1 pseudogene 1	Other	other
5518	PATL1	0.569	4.951	0.42212	0.91868	protein associated with topoisomerase II homolog 1 (yeast)	Cytoplasm	translation regulator
5519	ANKAR	0.561	4.857	0.42196	0.91868	ankyrin and armadillo repeat containing	Nucleus	transcription regulator
5520	ZNF426	0.506	6.166	0.42226	0.91868	zinc finger protein 426	Nucleus	other
5521	CNP	0.398	6.162	0.42208	0.91868	2',3'-cyclic nucleotide 3' phosphodiesterase	Cytoplasm	enzyme
5522	CDKSRAP1	0.344	6.844	0.42209	0.91868	CDK5 regulatory subunit associated protein 1	Extracellular Space	other
5523	HMOX2	0.338	7.220	0.42273	0.91868	heme oxygenase 2	Cytoplasm	enzyme
5524	SLTM	-0.270	8.290	0.42265	0.91868	SAFB-like, transcription modulator	Nucleus	other
5525	WDR43	-0.315	7.323	0.42228	0.91868	WD repeat domain 43	Nucleus	other
5526	CERKL	-0.451	5.639	0.42255	0.91868	ceramide kinase-like	Other	other
5527	EXOCSP1	-0.790	4.112	0.42268	0.91868	exocyst complex component 5 pseudogene 1	Other	other
5528	ZNF322	-1.031	3.437	0.42254	0.91868	zinc finger protein 322	Cytoplasm	other
5529	BBS1	-1.068	2.740	0.42224	0.91868	Bardet-Bied syndrome 1	Extracellular Space	other
5530	CLMP	-1.356	2.054	0.42248	0.91868	CADR-like membrane protein	Plasma Membrane	other
5531	ZNF33A	0.276	7.975	0.42289	0.91885	zinc finger protein 33A	Nucleus	transcription regulator
5532	ZNF137P	1.158	3.031	0.42346	0.91939	zinc finger protein 137, pseudogene	Nucleus	transcription regulator
5533	ELL2	0.710	5.184	0.42379	0.91939	elongation factor, RNA polymerase II, 2	Nucleus	transcription regulator
5534	MAPK8	0.555	5.105	0.4236	0.91939	mitogen-activated protein kinase 8	Cytoplasm	kinase
5535	MTAP	0.525	5.548	0.42382	0.91939	methylthiodenosine phosphorylase	Nucleus	enzyme
5536	STIM1	0.452	5.703	0.4237	0.91939	stromal interaction molecule 1	Plasma Membrane	ion channel
5537	NONO	0.259	8.636	0.42369	0.91939	non-POU domain containing, octamer-binding	Nucleus	other
5538	TMEM9B	-0.313	7.086	0.42322	0.91939	TMEM9 domain family, member 8	Other	other
5539	GANC	-0.519	5.521	0.42342	0.91939	glucosidase, alpha, neutral C	Extracellular Space	enzyme
5540	TMEM57	-0.564	5.161	0.42377	0.91939	transmembrane protein 57	Nucleus	other
5541	ENDOG	1.210	3.225	0.42321	0.91964	endonuclease G	Cytoplasm	enzyme
5542	C18orf54	1.						

5544	CTSK	0.809	4.284	0.42565	0.91964	cathepsin K		Cytoplasm	peptidase
5545	INSR	0.782	3.881	0.42585	0.91964	insulin receptor		Plasma Membrane	kinase
5546	LRRC37A16	0.668	4.005	0.42554	0.91964	leucine rich repeat containing 37, member A16, pseudogene		Other	other
5547	ALG12	0.597	5.109	0.42523	0.91964	ALG12, alpha-1,6-mannosyltransferase		Cytoplasm	enzyme
5548	INTS5	0.597	6.047	0.42512	0.91964	integrator complex subunit 5		Nucleus	other
5549	ARRB2	0.585	5.090	0.42566	0.91964	arrestin, beta 2		Cytoplasm	other
5550	WDK27	0.581	5.460	0.42584	0.91964	WD repeat domain 27		Nucleus	other
5551	VASP	0.532	5.334	0.42449	0.91964	vasodilator-stimulated phosphoprotein		Plasma Membrane	other
5552	SLC35E3	0.531	5.841	0.42515	0.91964	solute carrier family 35, member E3		Other	other
5553	CL1orf49	0.347	6.507	0.42458	0.91964	chromosome 11 open reading frame 49		Nucleus	other
5554	UBE2K	0.332	6.850	0.42489	0.91964	ubiquitin-conjugating enzyme E2K		Cytoplasm	transcription regulator
5555	DICER1	0.290	7.544	0.42465	0.91964	dicer 1, ribonuclease type III		Cytoplasm	enzyme
5556	CNOT7	0.266	8.143	0.42514	0.91964	CCR4-NOT transcription complex, subunit 7		Nucleus	transcription regulator
5557	EIF4A2	0.253	9.117	0.42561	0.91964	eukaryotic translation initiation factor 4A2		Cytoplasm	translation regulator
5558	EXOSC8	-0.280	7.512	0.42593	0.91964	exosome component 8		Nucleus	enzyme
5559	ATG13	-0.313	7.065	0.42593	0.91964	autophagy related 13		Cytoplasm	other
5560	BCCIP	-0.365	6.611	0.42457	0.91964	BRCA2 and CDKN1A interacting protein		Nucleus	other
5561	CHMP5	-0.405	6.341	0.42549	0.91964	charged multivesicular body protein 5		Cytoplasm	other
5562	TRMT11L	-0.653	5.185	0.42515	0.91964	tRNA methyltransferase 1 homolog (S. cerevisiae)-like		Other	enzyme
5563	CCTSP2	-0.740	3.969	0.42482	0.91964	chaperonin containing TCP1, subunit 5 (epsilon) pseudogene 2		Other	other
5564	SRF12	-0.924	3.890	0.42488	0.91964	serine/arginine-rich splicing factor 12		Nucleus	other
5565	RNLS	-0.929	2.968	0.4251	0.91964	renalsase, FAD-dependent amine oxidase		Extracellular Space	enzyme
5566	DHX37	-1.275	2.119	0.42434	0.91964	DEAH (Asp-Glu-Ala-His) box polypeptide 37		Other	enzyme
5567	CD47	-0.256	8.349	0.42608	0.9198	CD47 molecule		Plasma Membrane	transmembrane receptor
5568	HSD17B7P2	0.595	4.685	0.42635	0.91989	hydroxysteroid (17-beta) dehydrogenase 7 pseudogene 2		Other	other
5569	TYK2	-0.466	6.687	0.42631	0.91989	tyrosine kinase 2		Plasma Membrane	kinase
5570	NHP2	-0.538	5.305	0.4263	0.91989	NHP2 ribonucleoprotein		Nucleus	other
5571	PIK3AP1	0.388	6.685	0.4265	0.92006	phosphoinositide 3-kinase adaptor protein 1		Cytoplasm	other
5572	SPRN	1.517	2.528	0.42667	0.92025	shadow of prion protein homolog (zebrafish)		Other	other
5573	UBE3AP2	-0.818	3.297	0.42686	0.9205	ubiquitin protein ligase E3A pseudogene 2		Other	other
5574	SNTB1	0.731	4.570	0.42698	0.92052	syntrophin, beta 1 (dystrophin-associated protein A1, 590kDa, basic component 1)		Plasma Membrane	other
5575	UPF1	-0.389	6.482	0.42702	0.92052	UPF1 regulator of nonsense transcripts homolog (yeast)		Nucleus	enzyme
5576	EPN2A	0.625	4.948	0.42722	0.92078	epitaxial, progressive myoclonus type 2A, Lafora disease (taforin)		Cytoplasm	phosphatase
5577	APOE	1.535	1.820	0.42856	0.92098	apolipoprotein E		Extracellular Space	transporter
5578	TRIM46	1.154	2.753	0.43048	0.92098	tripartite motif containing 46		Cytoplasm	other
5579	COL5A1	1.122	2.958	0.42927	0.92098	collagen, type V, alpha 1		Extracellular Space	other
5580	HSF5	0.947	3.366	0.4297	0.92098	heat shock transcription factor family member 5		Other	other
5581	CHIC1	0.903	4.176	0.42837	0.92098	cysteine-rich hydrophobic domain 1		Plasma Membrane	other
5582	C6orf163	0.835	4.185	0.42832	0.92098	chromosome 6 open reading frame 163		Other	other
5583	TAOK2	0.788	3.255	0.42946	0.92098	TAO kinase 2		Cytoplasm	kinase
5584	ZBTB80SP2	0.783	3.418	0.43076	0.92098	zinc finger and BTB domain containing 8 opposite strand pseudogene 2		Other	other
5585	MTMR1	0.716	5.306	0.43045	0.92098	myotubularin related protein 1		Cytoplasm	phosphatase
5586	DVL2	0.486	5.448	0.43052	0.92098	dishevelled segment polarity protein 2		Cytoplasm	other
5587	SEN2	0.459	5.540	0.4289	0.92098	SUMO1/sentrin/SMN3 specific peptidase 2		Nucleus	peptidase
5588	KIA0439L	0.405	6.611	0.43291	0.92098	KIA0439-like		Cytoplasm	other
5589	CD2BP2	0.396	6.447	0.42889	0.92098	CD2 (cytoplasmic tail) binding protein 2		Cytoplasm	other
5590	KIA0586	0.388	6.316	0.42862	0.92098	KIA0586		Cytoplasm	other
5591	BTBD7	0.353	6.901	0.42844	0.92098	BTB (POZ) domain containing 7		Nucleus	other
5592	AAK1	0.321	7.972	0.42781	0.92098	AK2 associated kinase 1		Cytoplasm	kinase
5593	HNRNP1A1	0.298	7.074	0.43073	0.92098	heterogeneous nuclear ribonucleoprotein A1		Nucleus	other
5594	WASF2	0.287	7.349	0.43031	0.92098	WAS protein family, member 2		Plasma Membrane	other
5595	RP52	0.276	7.362	0.43065	0.92098	ribosomal protein S2		Cytoplasm	other
5596	RSU1	-0.275	7.649	0.42889	0.92098	Ras suppressor protein 1		Cytoplasm	other
5597	GCC2	-0.321	8.323	0.42865	0.92098	GRIP and coiled-coil domain containing 2		Cytoplasm	other
5598	COX7B	-0.403	6.292	0.43028	0.92098	cytochrome c oxidase subunit VIIb		Cytoplasm	enzyme
5599	NUPR5	-0.421	6.232	0.42914	0.92098	nucleoporin 85kDa		Cytoplasm	other
5600	GTF2H1	-0.421	7.248	0.42851	0.92138	general transcription factor IIH, polypeptide 1, 62kDa		Nucleus	transcription regulator
5601	PRED1	-0.422	5.796	0.43028	0.92098	PRED1 domain containing 1		Cytoplasm	other
5602	SEC22A	-0.441	5.901	0.42755	0.92098	SEC22 vesicle trafficking protein homolog A (S. cerevisiae)		Cytoplasm	transporter
5603	SEC24A	-0.450	6.221	0.42761	0.92098	SEC24 family member A		Cytoplasm	transporter
5604	DENND1B	-0.454	6.163	0.42896	0.92098	DENN/MADD domain containing 1B		Other	other
5605	DCAF12	-0.464	5.485	0.42956	0.92098	DOB1 and CUL4 associated factor 12		Cytoplasm	other
5606	ZSWIM7	-0.492	5.596	0.42761	0.92098	zinc finger, SWIM-type containing 7		Other	other
5607	ZNF552	-0.546	5.130	0.43069	0.92098	zinc finger protein 552		Other	other
5608	BLM	-0.553	5.060	0.42988	0.92098	Bloom syndrome, RecQ helicase-like		Nucleus	enzyme
5609	WBP1L	-0.596	5.427	0.42821	0.92098	WW domain binding protein 1-like		Other	other
5610	PATL2	-0.719	5.158	0.43018	0.92098	protein associated with topoisomerase II homolog 2 (yeast)		Cytoplasm	translation regulator
5611	CCN1	-0.760	4.087	0.43007	0.92098	cyclin 1		Nucleus	other
5612	TMC4	-0.779	4.936	0.42964	0.92098	transmembrane and coiled-coil domains 4		Other	other
5613	TME141	-0.780	3.767	0.4278	0.92098	transmembrane protein 141		Other	other
5614	NOP16	-0.798	5.977	0.42818	0.92098	NOP16 nucleolar protein		Nucleus	other
5615	BSC1L	-0.864	3.118	0.42819	0.92098	Berardinelli-Seip congenital lipodystrophy 2 (seipin)		Cytoplasm	other
5616	KBTBD6	-0.878	4.168	0.42827	0.92098	kelch repeat and BTB (POZ) domain containing 6		Other	other
5617	SNHG11	-0.971	3.963	0.42803	0.92098	small nucleolar RNA host gene 11		Other	other
5618	RP510	-0.981	2.371	0.42913	0.92098	ribosomal protein S10		Cytoplasm	other
5619	CEP112	-0.996	3.838	0.43013	0.92098	centrosomal protein 112kDa		Cytoplasm	other
5620	LRR12	-1.271	3.158	0.42984	0.92098	leucine rich repeat transmembrane neuronal 2		Plasma Membrane	other
5621	ZNF367	-1.487	1.850	0.42934	0.92098	zinc finger protein 367		Nucleus	transcription regulator
5622	SIN3A	0.419	7.395	0.43098	0.92129	SIN3 transcription regulator family member A		Nucleus	transcription regulator
5623	HK2P1	1.357	2.293	0.43134	0.92138	hexokinase 2 pseudogene 1		Other	other
5624	NEK10	1.351	1.956	0.43117	0.92138	NIMA-related kinase 10		Other	kinase
5625	PBX2	0.898	4.545	0.42155	0.92138	pen-B cell leukemia homeobox 3		Nucleus	transcription regulator
5626	TME67	0.787	4.401	0.43163	0.92138	transmembrane protein 67		Plasma Membrane	other
5627	CLorf50	0.477	5.392	0.43154	0.92138	chromosome 1 open reading frame 50		Other	other
5628	TBL1XR1	-0.271	8.539	0.43164	0.92138	transducin (beta)-like 1 X-linked receptor 1		Nucleus	transcription regulator
5629	Clorf58	-0.596	4.856	0.43122	0.92138	chromosome 3 open reading frame 58		Cytoplasm	other
5630	ZNF844	-0.805	4.647	0.43129	0.92138	zinc finger protein 844		Other	other
5631	ZNF680	0.567	4.811	0.43183	0.92146	zinc finger protein 680		Nucleus	other
5632	RABAC1	-0.267	7.601	0.43181	0.92146	Rab adaptor 1 (prenylated)		Cytoplasm	other
5633	RG511	1.580	2.213	0.43356	0.92154	regulator of G-protein signaling 11		Plasma Membrane	enzyme
5634	ECM2	1.143	2.345	0.43334	0.92154	extracellular matrix protein 2, female organ and adipocyte specific		Extracellular Space	other
5635	PAK3	1.084	3.280	0.43331	0.92154	p21 protein (Cdc42/Rac)-activated kinase 3		Cytoplasm	kinase
5636	USP35	0.946	2.903	0.43343	0.92154	ubiquitin specific peptidase 35		Extracellular Space	peptidase
5637	CRYBG3	0.944	4.705	0.43294	0.92154	beta-gamma crystallin domain-containing 3		Other	other
5638	EXT1	0.759	4.316	0.43368	0.92154	exostosin glycosyltransferase 1		Cytoplasm	enzyme
5639	CHD1	0.536	5.574	0.43284	0.92154	chitinase domain containing 1		Extracellular Space	other
5640	LATS2	0.517	5.144	0.43209	0.92154	large tumor suppressor kinase 2		Nucleus	kinase
5641	FAM210A	0.510	5.232	0.43291	0.92154	family with sequence similarity 210, member A		Cytoplasm	other
5642	PLXNC1	0.504	5.474	0.43201	0.92154	plexin C1		Plasma Membrane	transmembrane receptor
5643	ING3	0.444	6.692	0.43242	0.92154	inhibitor of growth family, member 3		Nucleus	other
5644	ATG16L2	0.426	6.585	0.43378	0.92154	autophagy related 16-like 2 (S. cerevisiae)		Extracellular Space	other
5645	ZNF528	0.422	6.036	0.43321	0.92154	zinc finger protein 528		Other	other
5646	FBXW2	0.317	7.194	0.43374	0.92154	F-box and WD repeat domain containing 2		Cytoplasm	enzyme
5647	ZNF622	0.315	7.024	0.43241	0.92154	zinc finger protein 622		Nucleus	other
5648	COG3	0.310	7.148	0.43321	0.92154	component of oligomeric golgi complex 3		Cytoplasm	transporter
5649	UR1	-0.384	6.633	0.43356	0.92154	UR1, perlecan-like chaperone		Nucleus	transcription regulator
5650	NUT7	-0.395	6.233	0.43215	0.92154	nuclear transport factor 2		Nucleus	transporter
5651	SLC35A5	-0.503	5.713	0.43322	0.92154	solute carrier family 35, member A5		Other	transporter
5652	WDR53	-0.523	5.275	0.43336	0.92154	WD repeat domain 53		Other	other
5653	INTS6-AS1	-0.613	4.583	0.43348	0.92154	INTS6 antisense RNA 1		Other	other
5654	FBXL12	-0.654	4.414	0.43314	0.92154	F-box and leucine-rich repeat protein 12		Cytoplasm	other
5655	CLHC1	-0.873	3.673	0.43245	0.92154	clathrin heavy chain linker domain containing 1		Other	other
5656	HAS2-AS1	-1.332	2.550	0.43279	0.92154	HAS2 antisense RNA 1		Other	other
5657	ARL6IP4	-1.397	1.828	0.43375	0.92154	ADP-ribosylation factor-like 6 interacting protein 4		Nucleus	other
5658	RNU1-16P	1.399	1.891	0.43398	0.92179	RNA, U1 small nuclear 16, pseudogene		Other	other
5659	ZDHHC14	1.153	2.619	0.43548	0.92197	zinc finger, DHHC-type containing 14		Cytoplasm	enzyme
5660	EIF4BP3	0.840	3.158	0.435	0.92197	eukaryotic translation initiation factor 4B pseudogene 3		Other	other
5661	CYTH3	0.655	5.043	0.43518	0.92197	cytohesin 3		Cytoplasm	other
5662	C16orf13	0.352	6.395	0.43458	0.92197	chromosome 16 open reading frame 13		Other	other
5663	ELP2	0.305	8.194	0.43505	0.92197	elongator acetyltransferase complex subunit 2		Cytoplasm	other
5664	ARPP19	-0.278	7.513	0.43443	0.92197	CAMP-regulated phosphoprotein, 19kDa		Cytoplasm	transporter
5665	STGAL1	-0.316	7.724	0.43539	0.92197	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1		Cytoplasm	enzyme
5666	ZDHHC4	-0.394	5.982	0.4356	0.92197	zinc finger, DHHC-type containing 4		Cytoplasm	other
5667	ITFG1	-0.416	5.930	0.43437	0.92197	integrin alpha FG-FAG repeat containing 1		Plasma Membrane	other
5668	NUP205	-0.474	6.437	0					

5676	HIP1R	-0.788	4.622	0.43507	0.92197	huntingtin interacting protein 1 related	Cytoplasm	other
5677	SLC25A43	-0.915	4.306	0.43467	0.92197	solute carrier family 25, member 43	Cytoplasm	transporter
5678	CD40	-1.040	3.746	0.43428	0.92197	CD40 molecule, TNF receptor superfamily member 5	Plasma Membrane	transmembrane receptor
5679	PXMP2	0.994	2.738	0.43585	0.92231	peroxisomal membrane protein 2, 22kDa	Cytoplasm	other
5680	GNAL	-1.098	2.664	0.43591	0.92231	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide, olfactory type	Cytoplasm	enzyme
5681	HIGD1AP16	0.965	3.063	0.43608	0.92225	HIG1 hypoxia inducible domain family, member 1A pseudogene 16	Other	other
5682	TFAP2E	1.189	2.727	0.43718	0.92227	transcription factor AP-2 epsilon (activating enhancer binding protein 2 epsilon)	Nucleus	other
5683	PET112	0.781	4.080	0.43693	0.92227	elav-like RNA(Gln) amidotransferase, subunit B	Cytoplasm	translation regulator
5684	CHBP111	0.573	4.984	0.43663	0.92227	EH domain binding protein 1-like 1	Other	other
5685	MRPS2	0.570	5.752	0.43661	0.92227	mitochondrial ribosomal protein S2	Cytoplasm	other
5686	MEPCE	0.470	5.652	0.43732	0.92227	methylphosphate capping enzyme	Other	enzyme
5687	BTRC	0.418	6.119	0.43657	0.92227	beta-transducin repeat containing E3 ubiquitin protein ligase	Cytoplasm	enzyme
5688	CD55	0.342	7.501	0.43729	0.92227	CD55 molecule, decay accelerating factor for complement (Cromer blood group)	Plasma Membrane	other
5689	USP9X	-0.330	8.054	0.43709	0.92227	ubiquitin specific peptidase 9, X-linked	Plasma Membrane	peptidase
5690	E2F4	-0.384	6.950	0.43726	0.92227	E2F transcription factor 4, p107/p130-binding	Nucleus	transcription regulator
5691	TMEM216	-0.397	6.079	0.43641	0.92227	transmembrane protein 216	Extracellular Space	other
5692	STX12	-0.443	5.845	0.43728	0.92227	syntaxin 12	Cytoplasm	other
5693	DUS2L	-0.744	4.420	0.4364	0.92227	dihydrouridine synthase 2	Cytoplasm	other
5694	RAB11FIP1	-0.775	3.507	0.43728	0.92227	RAB11 family interacting protein 1 (class I) pseudogene 1	Other	other
5695	WDR24	-0.883	3.551	0.4371	0.92227	WD repeat domain 24	Other	other
5696	NUSAP1	1.191	2.523	0.43714	0.92227	nucleolar and spindle associated protein 1	Nucleus	other
5697	SLCA0A1	0.709	6.641	0.43743	0.92276	solute carrier family 40 (iron-regulated transporter), member 1	Plasma Membrane	transporter
5698	BLVRB	0.622	4.585	0.43776	0.92279	biliverdin reductase B	Cytoplasm	enzyme
5699	ZNF398	0.455	5.892	0.43777	0.92279	zinc finger protein 398	Nucleus	transcription regulator
5700	MID1IP1	-0.632	4.639	0.43761	0.92279	MID1 interacting protein 1	Cytoplasm	other
5701	ZC3H11B	-0.830	3.091	0.4379	0.92279	zinc finger CCHC-type containing 11B pseudogene	Other	other
5702	HTR2B	-0.852	3.146	0.4377	0.92279	5-hydroxytryptamine (serotonin) receptor 2B, G protein-coupled	Plasma Membrane	G-protein coupled receptor
5703	KIF1C	-0.853	4.150	0.43784	0.92279	kinesin family member 1C	Cytoplasm	other
5704	RABL2A	0.771	3.655	0.43848	0.92302	RAB, member of RAS oncogene family-like 2A	Other	enzyme
5705	ZNF295	0.658	5.856	0.43869	0.92302	zinc finger and BTB domain containing 21	Nucleus	other
5706	WDR52	0.427	5.925	0.43874	0.92302	cilia and flagella associated protein 44	Extracellular Space	other
5707	SMG5	0.412	6.307	0.43889	0.92302	SMG5 nonsense mediated mRNA decay factor	Nucleus	other
5708	RUNX1	0.412	6.921	0.43849	0.92302	run-related transcription factor 1	Nucleus	transcription regulator
5709	TGFBI	0.368	6.831	0.43878	0.92302	transforming growth factor, beta 1	Extracellular Space	growth factor
5710	MED14	0.352	7.155	0.43829	0.92302	mediator complex subunit 14	Nucleus	transcription regulator
5711	ABHD2	-0.562	5.284	0.43892	0.92302	abhydrolase domain containing 2	Other	enzyme
5712	MRPS36P1	-0.677	3.787	0.43893	0.92302	mitochondrial ribosomal protein S36 pseudogene 1	Other	other
5713	SLA2	-0.845	4.041	0.43818	0.92302	Src-like-adapter 2	Plasma Membrane	other
5714	GMFBP1	-0.970	2.605	0.43813	0.92302	glia maturation factor, beta pseudogene 1	Other	other
5715	MOK	-1.461	2.859	0.43887	0.92302	MOK protein kinase	Plasma Membrane	kinase
5716	PNPLA2	0.546	4.963	0.4393	0.92316	patatin-like phospholipase domain containing 2	Cytoplasm	enzyme
5717	CDC37L1	0.449	5.588	0.4391	0.92316	cell division cycle 37-like 1	Cytoplasm	other
5718	EAPP	0.307	6.954	0.43929	0.92316	E2F-associated phosphoprotein	Cytoplasm	other
5719	TCEAL4	-0.560	5.066	0.43931	0.92316	transcription elongation factor A (SII)-like 4	Other	other
5720	ZNF787	1.055	2.221	0.43988	0.92324	zinc finger protein 787	Other	other
5721	CYP51A1	0.843	3.335	0.43978	0.92324	cytochrome P450, family 51, subfamily A, polypeptide 1	Cytoplasm	enzyme
5722	ZSCAN12	0.834	4.404	0.43988	0.92324	zinc finger and SCAN domain containing 12	Nucleus	transcription regulator
5723	CLICorf79	0.795	3.253	0.43964	0.92324	BRICHO5 domain containing 5	Other	enzyme
5724	SGSH	0.418	6.046	0.43954	0.92324	N-sulfoglucosamine sulfohydrolase	Cytoplasm	enzyme
5725	ZNF37A	-0.288	7.202	0.43975	0.92324	zinc finger protein 37A	Nucleus	transcription regulator
5726	PCSK6	-1.254	2.254	0.43944	0.92324	proprotein convertase subtilisin/kexin type 6	Extracellular Space	peptidase
5727	TTC17	0.282	8.617	0.4401	0.92353	tetratricopeptide repeat domain 17	Cytoplasm	other
5728	ZNF182	0.518	5.855	0.44034	0.92364	zinc finger protein 182	Nucleus	other
5729	RNMT	0.339	6.957	0.44046	0.92364	RNA (guanine-7-) methyltransferase	Nucleus	enzyme
5730	TESPA1	0.304	9.215	0.44028	0.92364	thymocyte expressed, positive selection associated 1	Cytoplasm	other
5731	RAB58	-0.326	6.842	0.44041	0.92364	RAB58, member RAS oncogene family	Cytoplasm	enzyme
5732	CBX5P1	1.570	2.001	0.44128	0.92382	chromobox homolog 5 pseudogene 1	Other	other
5733	NUBPL	0.761	4.489	0.44114	0.92382	nucleotide binding protein-like	Cytoplasm	other
5734	SURF1	0.395	6.083	0.44129	0.92382	surfeit 1	Cytoplasm	enzyme
5735	KLF13	0.283	7.244	0.44104	0.92382	Kruppel-like factor 13	Nucleus	transcription regulator
5736	CANX	0.262	9.423	0.44078	0.92382	calnexin	Cytoplasm	other
5737	MRPL13	-0.408	6.176	0.44131	0.92382	mitochondrial ribosomal protein L13	Cytoplasm	other
5738	OAS3	-0.487	6.174	0.44085	0.92382	2'-5'-oligoadenylate synthetase 3, 100kDa	Cytoplasm	enzyme
5739	TIMM9	-0.535	4.896	0.44115	0.92382	translocase of inner mitochondrial membrane 9 homolog (yeast)	Cytoplasm	transporter
5740	MED19	-0.592	5.077	0.44116	0.92382	mediator complex subunit 19	Nucleus	other
5741	MTMR9LP	-1.243	3.673	0.44077	0.92382	myotubularin related protein 9-like, pseudogene	Other	other
5742	CLP1	0.582	5.872	0.44153	0.92405	cleavage and polyadenylation factor I subunit 1	Nucleus	other
5743	TFAP9	-0.402	6.697	0.44158	0.92405	TFAP9 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 31kDa	Nucleus	transcription regulator
5744	LEPR	1.303	2.583	0.44199	0.92409	leptin receptor	Plasma Membrane	transmembrane receptor
5745	PXDNL	1.169	2.386	0.4422	0.92409	peroxidase-like	Extracellular Space	enzyme
5746	ZNF23	1.001	3.340	0.44267	0.92409	zinc finger protein 23	Nucleus	other
5747	DOK1	0.853	4.380	0.44219	0.92409	docking protein 1, 62kDa (downstream of tyrosine kinase 1)	Plasma Membrane	kinase
5748	LDHAP1	0.836	3.173	0.44213	0.92409	lactate dehydrogenase A pseudogene 1	Other	other
5749	POFUT2	0.771	4.157	0.44281	0.92409	protein O-fucosyltransferase 2	Cytoplasm	enzyme
5750	BZRAP1-AS	0.700	4.628	0.44182	0.92409	BZRAP1 antisense RNA 1	Other	other
5751	CXorf65	0.505	5.223	0.44232	0.92409	chromosome X open reading frame 65	Other	other
5752	TTC33	0.436	5.950	0.44236	0.92409	tetratricopeptide repeat domain 33	Other	other
5753	COMMD3	0.421	5.879	0.44193	0.92409	COMM domain containing 3	Other	other
5754	MED6	0.352	6.578	0.4425	0.92409	mediator complex subunit 6	Nucleus	transcription regulator
5755	MMAADHC	-0.283	7.378	0.44276	0.92409	methylmalonic aciduria (cobalamin deficiency) cblD type, with homocystinuria	Cytoplasm	other
5756	CD99	-0.315	7.659	0.44282	0.92409	CD99 molecule	Plasma Membrane	other
5757	ZNF225	-0.564	5.283	0.44239	0.92409	zinc finger protein 225	Nucleus	other
5758	FBXO8	-0.615	4.941	0.44234	0.92409	F-box protein 8	Cytoplasm	other
5759	KIF18A	-1.432	3.097	0.44257	0.92409	kinesin family member 18A	Cytoplasm	enzyme
5760	GPSM3	0.506	5.240	0.44301	0.92416	G-protein signaling, modulator 3	Cytoplasm	other
5761	NSA2	-0.399	6.005	0.44299	0.92416	NSA2 ribosome biogenesis homolog (S. cerevisiae)	Nucleus	other
5762	ZNF100	-0.648	4.640	0.44309	0.92417	zinc finger protein 100	Nucleus	other
5763	ZNF142	-0.457	5.687	0.44341	0.92451	zinc finger protein 142	Nucleus	transcription regulator
5764	ZNF439	-0.607	5.508	0.44335	0.92451	zinc finger protein 439	Nucleus	other
5765	CENPC1	0.333	6.612	0.44357	0.92453	centromere protein C pseudogene 1	Nucleus	other
5766	PHF23	-0.478	5.706	0.44351	0.92453	PHD finger protein 23	Other	other
5767	NAT10	-0.352	6.655	0.44377	0.92479	N-acetyltransferase 10 (GCN5-related)	Nucleus	enzyme
5768	CALM2P4	-0.836	2.853	0.44404	0.92518	calmodulin 2 pseudogene 4	Other	other
5769	HEATR4	0.843	2.933	0.44452	0.92522	HEAT repeat containing 4	Other	other
5770	ZFP82	0.368	6.349	0.44451	0.92522	ZFP82 zinc finger protein	Nucleus	other
5771	TXNL1	-0.292	7.599	0.44459	0.92522	thioredoxin-like 1	Cytoplasm	enzyme
5772	ZNF14	-0.318	7.266	0.44434	0.92522	zinc finger protein 14	Nucleus	transcription regulator
5773	OFD1	-0.320	7.611	0.44451	0.92522	oral-facial-digital syndrome 1	Plasma Membrane	other
5774	PPP2CB	-0.615	4.522	0.44448	0.92522	protein phosphatase 2, catalytic subunit, beta isozyme	Cytoplasm	phosphatase
5775	AMIGO2	-0.620	4.818	0.44472	0.92522	adhesion molecule with Ig-like domain 2	Plasma Membrane	other
5776	C14orf80	-0.755	3.908	0.44483	0.92522	chromosome 14 open reading frame 80	Other	other
5777	GRK4	-0.863	3.645	0.44478	0.92522	G protein-coupled receptor kinase 4	Plasma Membrane	kinase
5778	C8orf58	-0.882	4.282	0.44421	0.92522	chromosome 8 open reading frame 58	Nucleus	other
5779	RPS4XP16	1.300	2.609	0.44524	0.92582	ribosomal protein S4X pseudogene 16	Other	other
5780	NAPB	-0.509	5.108	0.44527	0.92582	N-ethylmaleimide-sensitive factor attachment protein, beta	Cytoplasm	transporter
5781	UBA52P3	1.102	2.457	0.44611	0.92608	ubiquitin A-52 residue ribosomal protein fusion product 1 pseudogene 3	Other	other
5782	SWIS	0.652	4.830	0.44567	0.92608	SWIS recombination repair homolog (yeast)	Nucleus	other
5783	CELF1	0.264	8.007	0.44592	0.92608	CUGBP, Elav-like family member 1	Cytoplasm	translation regulator
5784	ERGIC3	-0.256	7.965	0.44624	0.92608	ERGIC and golgi 3	Cytoplasm	other
5785	ARF6	-0.256	8.316	0.44604	0.92608	ADP-ribosylation factor 6	Plasma Membrane	transporter
5786	PRMT1	-0.350	7.580	0.44586	0.92608	protein arginine methyltransferase 1	Nucleus	enzyme
5787	LYPLA1	-0.361	6.244	0.44599	0.92608	lysophospholipase I	Cytoplasm	enzyme
5788	NKRF	-0.466	5.695	0.44558	0.92608	NFKB repressing factor	Nucleus	transcription regulator
5789	CE52	-0.555	5.699	0.446	0.92608	carboxylesterase 2	Cytoplasm	enzyme
5790	ACER3	-0.695	4.246	0.44597	0.92608	alkaline ceramidase 3	Cytoplasm	enzyme
5791	SLC16A14	-1.410	2.023	0.44622	0.92608	solute carrier family 16, member 14	Other	other
5792	ZNF326	0.315	7.009	0.44646	0.92625	zinc finger protein 326	Nucleus	transcription regulator
5793	PHC2	-0.491	6.057	0.44648	0.92625	polyhomeotic homolog 2 (Drosophila)	Nucleus	other
5794	C1orf73	1.038	3.004	0.44716	0.92639	chromosome 1 open reading frame 73	Extracellular Space	other
5795	FAM46C	0.407	6.177	0.44712	0.92639	family with sequence similarity 46, member C	Extracellular Space	other
5796	GOPC	-0.365	6.672	0.44678	0.92639	gagli-associated PDZ and coiled-coil motif containing	Cytoplasm	transporter
5797	MRPL10	-0.412	6.888	0.44669	0.92639	mitochondrial ribosomal protein L10	Cytoplasm	other
5798	PLA2G12A	-0.563	4.757	0.44696	0.92639	phospholipase A2, group XIA	Other	enzyme
5799	AKR1B1P2	-0.795	3.327	0.44728	0.92639	aldo-keto reductase family 1, member B1 pseudogene 2	Other	other
5800	UBE2SP1	-0.818	3.263	0.44732	0.92639	ubiquitin-conjugating enzyme E25 pseudogene 1	Other	other
5801	TTC12	-0.921	4.469	0.4471	0.92639	tetratricopeptide repeat domain 12	Other	other
5802	TMEM156	-0.995	3.624	0.44724	0.92639	transmembrane protein 156	Other	other
5803	EFCAB8	-1.099	2.258	0.447	0.92639	EF-hand calcium binding domain 8	Other	other
5804	ALAD	0.479	5.865	0.44775	0.92681	aminolevulinic acid dehydratase	Cytoplasm	enzyme
5805	NRC6	-0.258	8.110	0.44781	0.9268			

5808	PARK7	-0.259	7.807	0.44809	0.92703	parkinson protein 7		Nucleus	enzyme
5809	H56ST1	-0.638	4.422	0.44804	0.92703	heparan sulfate 6-O-sulfotransferase 1		Plasma Membrane	enzyme
5810	TCEANC2	-0.703	5.382	0.44818	0.92705	transcription elongation factor A (SII) N-terminal and central domain containing 2		Other	other
5811	TIAL1	0.372	6.402	0.44847	0.92744	TIA1 cytotoxic granule-associated RNA binding protein-like 1		Nucleus	transcription regulator
5812	TET3	-0.458	5.846	0.44852	0.92744	tet methylcytosine dioxygenase 3		Nucleus	other
5813	MANBA	0.509	6.387	0.44866	0.92748	mannosidase, beta A, lysosomal		Cytoplasm	enzyme
5814	CRKL	-0.302	7.351	0.44869	0.92748	v-crk avian sarcoma virus CT10 oncogene homolog-like		Cytoplasm	kinase
5815	CSNK2B	-0.426	6.509	0.44891	0.92777	casein kinase 2, beta polypeptide		Cytoplasm	kinase
5816	ROM1	1.247	3.318	0.449	0.92778	retinal outer segment membrane protein 1		Plasma Membrane	other
5817	ACBD5	0.443	5.853	0.44938	0.92784	acyl-CoA binding domain containing 5		Nucleus	other
5818	SIRT1	0.443	5.935	0.45011	0.92784	sirtuin 1		Nucleus	transcription regulator
5819	DDX20	0.439	6.288	0.44993	0.92784	DEAD (Asp-Glu-Ala-Asp) box polypeptide 20		Nucleus	transcription regulator
5820	CSTB	0.362	6.279	0.44922	0.92784	cystatin B (stefin B)		Cytoplasm	peptidase
5821	CAPZA1	0.251	8.449	0.45018	0.92784	capping protein (actin filament) muscle Z-line, alpha 1		Cytoplasm	other
5822	RPL3	0.244	9.389	0.45007	0.92784	ribosomal protein L3		Nucleus	other
5823	POLD2	-0.339	6.831	0.44998	0.92784	polymerase (DNA directed), delta 2, accessory subunit		Nucleus	enzyme
5824	C15orf29	-0.385	6.015	0.44981	0.92784	katanin p80 subunit B-like 1		Nucleus	other
5825	QTRT1	-0.397	5.916	0.45007	0.92784	queuine tRNA-ribosyltransferase 1		Cytoplasm	enzyme
5826	CASP2	-0.416	6.179	0.44973	0.92784	caspase 2, apoptosis-related cysteine peptidase		Cytoplasm	peptidase
5827	HN1	-0.446	5.845	0.44979	0.92784	hematological and neurological expressed 1		Nucleus	other
5828	DGKQ	-0.462	5.854	0.4502	0.92784	diacylglycerol kinase, theta 1100da		Cytoplasm	kinase
5829	CCDC6	-0.602	4.680	0.44963	0.92784	coiled-coil domain containing 6		Cytoplasm	other
5830	IL23A	-0.727	3.808	0.45016	0.92784	interleukin 23, alpha subunit p19		Extracellular Space	cytokine
5831	HMGNZP5	-1.008	2.417	0.45026	0.92784	high mobility group nucleosomal binding domain 2 pseudogene 5		Other	other
5832	FTH1P1	-1.344	1.937	0.44969	0.92784	ferritin, heavy polypeptide 1 pseudogene		Other	other
5833	KRT8P33	-1.080	2.721	0.45047	0.92811	keratin 8 pseudogene 33		Other	other
5834	BMS1P1	0.901	3.371	0.4508	0.92844	BMS1 ribosome biogenesis factor pseudogene 5		Other	other
5835	CRIM1	0.584	4.571	0.45105	0.92844	cysteine rich transmembrane BMP regulator 1 (chordin-like)		Extracellular Space	kinase
5836	MTHFD1	0.472	5.395	0.45089	0.92844	methylentetrahydrofolate dehydrogenase (NADP+ dependent) 1, methylenetetrahydrofolate cyclohydrolase, formyltetrahydrofolate synthetase		Cytoplasm	enzyme
5837	GATA3	0.429	8.776	0.45082	0.92844	GATA binding protein 3		Nucleus	transcription regulator
5838	BLOC1C53	-0.531	4.772	0.45105	0.92844	biogenesis of lysosomal organelles complex-1, subunit 3		Cytoplasm	other
5839	LDI1	-0.568	5.918	0.45109	0.92844	LIM domain binding 1		Nucleus	transcription regulator
5840	SCN2A	1.055	4.188	0.4517	0.92874	sodium channel, voltage gated, type II alpha subunit		Plasma Membrane	ion channel
5841	RNF31	0.845	4.166	0.45164	0.92874	ring finger protein 31		Cytoplasm	enzyme
5842	CDC40	0.370	6.263	0.45168	0.92874	cell division cycle 40		Nucleus	other
5843	FBXW5	-0.325	7.757	0.45162	0.92874	F-box and WD repeat domain containing 5		Cytoplasm	other
5844	SUMF1	-0.648	5.369	0.4517	0.92874	sulfatase modifying factor 1		Cytoplasm	enzyme
5845	CPPED1	-0.921	3.003	0.4516	0.92874	calcineurin-like phosphoesterase domain containing 1		Cytoplasm	enzyme
5846	PKP2	0.777	4.676	0.45269	0.92878	plakophilin 2		Plasma Membrane	other
5847	HCF2C	0.442	5.514	0.45245	0.92878	host cell factor C2		Nucleus	transcription regulator
5848	SNTB2	0.401	6.047	0.45253	0.92878	syntrophin, beta 2 (dystrophin-associated protein A1, 59kDa, basic component 2)		Plasma Membrane	other
5849	CAPN7	0.333	6.999	0.45237	0.92878	calpain 7		Cytoplasm	peptidase
5850	UBR1	0.286	7.651	0.45241	0.92878	ubiquitin protein ligase E3 component n-recognin 1		Cytoplasm	enzyme
5851	KDEL2	-0.324	7.401	0.45261	0.92878	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor 2		Cytoplasm	other
5852	ENSA	-0.380	6.307	0.4518	0.92878	endosulfine alpha		Cytoplasm	transporter
5853	PKNOX1	-0.384	6.291	0.45274	0.92878	PBX/knotted 1 homeobox 1		Nucleus	transcription regulator
5854	SLC25A1	-0.395	6.285	0.4528	0.92878	solute carrier family 25 (mitochondrial carrier, citrate transporter), member 1		Other	transporter
5855	SLFN13	-0.587	4.946	0.45202	0.92878	schlafen family member 13		Nucleus	enzyme
5856	PGDP1	-0.766	3.252	0.45248	0.92878	phosphogluconate dehydrogenase pseudogene 1		Other	other
5857	MINPP1	-0.971	3.107	0.4526	0.92878	multiple inositol-polyphosphate phosphatase 1		Cytoplasm	phosphatase
5858	INO80E	-0.986	2.572	0.45195	0.92878	INO80 complex subunit E		Nucleus	other
5859	RBM26-AS	-1.011	3.000	0.45218	0.92878	RBM26 antisense RNA 1		Other	other
5860	TOMM7	-0.391	6.239	0.453	0.92888	translocase of outer mitochondrial membrane 7 homolog (yeast)		Cytoplasm	transporter
5861	RAD51	-1.227	2.706	0.45294	0.92888	RAD51 recombinase		Nucleus	enzyme
5862	YJIC	-0.413	5.850	0.45316	0.92905	YdC homolog (bacterial)		Other	other
5863	KHDC1	1.059	3.351	0.45399	0.92923	KH homology domain containing 1		Other	other
5864	PSM1C	0.888	3.028	0.45452	0.92923	proteasome (prosome, macropain) 26S subunit, ATPase, 1		Nucleus	peptidase
5865	ZMYM3	0.799	5.257	0.45456	0.92923	zinc finger, MYM-type 3		Nucleus	other
5866	TRIOBP	0.661	4.305	0.45443	0.92923	TRIO and F-actin binding protein		Nucleus	other
5867	ATG10	0.593	4.620	0.45359	0.92923	autophagy related 10		Plasma Membrane	enzyme
5868	DNAJC27	0.574	5.018	0.45428	0.92923	DnaJ (Hsp40) homolog, subfamily C, member 27		Cytoplasm	enzyme
5869	USP45	0.571	5.090	0.45382	0.92923	ubiquitin specific peptidase 45		Other	peptidase
5870	PRKAG2	0.479	5.529	0.4541	0.92923	protein kinase, AMP-activated, gamma 2 non-catalytic subunit		Cytoplasm	kinase
5871	RNF168	0.264	7.365	0.454	0.92923	ring finger protein 168, E3 ubiquitin protein ligase		Nucleus	enzyme
5872	COPE	-0.279	7.543	0.45405	0.92923	costomer protein complex, subunit epsilon		Cytoplasm	transporter
5873	LTB	-0.320	8.472	0.45409	0.92923	lymphotxin beta (TNF superfamily, member 3)		Extracellular Space	cytokine
5874	DDX39A	-0.321	8.249	0.45398	0.92923	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39A		Nucleus	enzyme
5875	TMSFS2	-0.345	7.897	0.45442	0.92923	transmembrane 9 superfamily member 2		Plasma Membrane	transporter
5876	DCTN3	-0.372	6.284	0.45421	0.92923	dynactin 3 (p22)		Nucleus	other
5877	ATPAF1	-0.392	6.306	0.45435	0.92923	ATP synthase mitochondrial F1 complex assembly factor 1		Cytoplasm	other
5878	LVBL	-0.453	5.584	0.45391	0.92923	lvp (bacterial acetolactate synthase)-like		Cytoplasm	enzyme
5879	IRIG1	-0.649	4.506	0.45334	0.92923	leucine-rich repeats and immunoglobulin-like domains 1		Extracellular Space	other
5880	PAQR8	-0.724	4.977	0.45474	0.92944	progesterin and adipocQ receptor family member VIII		Plasma Membrane	other
5881	GALNT6	0.703	5.994	0.45506	0.92955	polypeptide N-acetylglucosaminyltransferase 6		Cytoplasm	enzyme
5882	ZNF559	0.343	6.523	0.45506	0.92955	zinc finger protein 559		Nucleus	other
5883	SNRBP	-0.280	7.274	0.45498	0.92955	small nuclear ribonucleoprotein polypeptides B and B1		Nucleus	other
5884	SH2D3C	-0.422	5.990	0.45511	0.92955	SH2 domain containing 3C		Cytoplasm	other
5885	RICTOR	0.314	7.862	0.45537	0.92993	RPTOR independent companion of MTOR, complex 2		Cytoplasm	other
5886	ZBED4	0.371	6.343	0.45549	0.93002	zinc finger, BED-type containing 4		Nucleus	other
5887	POLR21	-0.558	4.553	0.45571	0.93003	polymerase (RNA) II (DNA directed) polypeptide I, 14.5kDa		Nucleus	transcription regulator
5888	HGM	-0.501	5.899	0.45581	0.93036	phosphatidylinositol glycan anchor biosynthesis, class M		Cytoplasm	enzyme
5889	HMGGB1P14	1.018	3.289	0.45744	0.93081	high mobility group box 1 pseudogene 14		Other	other
5890	SNORD12C	0.808	3.342	0.45678	0.93081	small nuclear RNA, C/D box 12C		Other	other
5891	SSBP4	0.591	5.051	0.45646	0.93081	single stranded DNA binding protein 4		Nucleus	transcription regulator
5892	SIDT1	0.501	6.502	0.45636	0.93081	SID1 transmembrane family, member 1		Other	other
5893	MKL1	0.477	5.167	0.45658	0.93081	megakaryoblastic leukemia (translocation) 1		Nucleus	transcription regulator
5894	DHR53	0.448	6.245	0.45767	0.93081	dehydrogenase/reductase (SDR family) member 3		Cytoplasm	enzyme
5895	COX11	0.370	5.992	0.45752	0.93081	COX11 cytochrome c oxidase copper chaperone		Cytoplasm	enzyme
5896	MGEA5	0.275	9.272	0.45694	0.93081	meningioma expressed antigen 5 (hyaluronidase)		Cytoplasm	enzyme
5897	APBB1IP	0.269	7.570	0.45696	0.93081	amyloid beta (A4) precursor protein-binding, family 8, member 1 interacting protein		Cytoplasm	other
5898	RNF149	-0.257	8.049	0.45637	0.93081	ring finger protein 149		Cytoplasm	other
5899	MAP3K2	-0.266	8.263	0.45633	0.93081	mitogen-activated protein kinase kinase kinase 2		Cytoplasm	kinase
5900	PTPA1	-0.267	8.048	0.45751	0.93081	protein tyrosine phosphatase type IVA, member 1		Cytoplasm	phosphatase
5901	MEAF6	-0.297	7.267	0.45781	0.93081	MN17/Evi-1-associated factor 6		Nucleus	other
5902	ITFG2	-0.348	7.056	0.45761	0.93081	integrin alpha FG-GAP repeat containing 2		Other	other
5903	FOXO3	-0.363	6.292	0.45778	0.93081	forkhead box O3		Nucleus	transcription regulator
5904	ATP6V1E1	-0.363	6.288	0.45759	0.93081	ATPase, H+ transporting, lysosomal 31kDa, V1 subunit E1		Cytoplasm	transporter
5905	HSPA14	-0.369	6.128	0.45756	0.93081	heat shock 70kDa protein 14		Cytoplasm	peptidase
5906	RAB4A	-0.401	5.792	0.45782	0.93081	RAB4A, member RAS oncogene family		Cytoplasm	enzyme
5907	FAM108C1	-0.729	3.851	0.45752	0.93081	abhydrolase domain containing 17C		Other	enzyme
5908	TOMM22P	-0.844	2.936	0.45699	0.93081	TOMM22 pseudogene 5		Other	other
5909	HCG25	-0.899	2.757	0.45699	0.93081	HLA complex group 25 (non-protein coding)		Other	other
5910	NFE2L3	-1.024	5.163	0.45616	0.93081	nuclear factor, erythroid 2-like 3		Nucleus	transcription regulator
5911	TIGD5	-1.238	3.445	0.45713	0.93081	tigger transposable element derived 5		Other	other
5912	STARD9	-0.808	3.950	0.45794	0.9309	SMAR-related lipid transfer (START) domain containing 9		Cytoplasm	other
5913	NBP3	0.466	5.473	0.45814	0.93115	NECD4 binding protein		Cytoplasm	other
5914	ZFX	0.289	7.493	0.45823	0.93117	zinc finger protein, X-linked		Nucleus	transcription regulator
5915	TMED5	-0.285	7.239	0.45846	0.93149	transmembrane emp24 protein transport domain containing 5		Cytoplasm	other
5916	SLC25A29	-0.922	3.889	0.45859	0.93159	solute carrier family 25 (mitochondrial carnitine/acylcarnitine carrier), member 29		Cytoplasm	transporter
5917	BBS2	-0.386	6.980	0.45881	0.93174	Bardet-Biedl syndrome 2		Cytoplasm	other
5918	INTS6P1	-0.650	4.139	0.4588	0.93174	integrator complex subunit 6 pseudogene 1		Other	other
5919	FAM120C	0.672	4.034	0.459	0.93196	family with sequence similarity 120C		Other	other
5920	PKP4P1	1.436	1.712	0.4592	0.93221	plakophilin 4 pseudogene 1		Other	other
5921	RNF141	0.401	6.230	0.45947	0.93244	ring finger protein 141		Other	enzyme
5922	MTF2	-0.286	7.525	0.45944	0.93244	metal response element binding transcription factor 2		Nucleus	transcription regulator
5923	COX18	-0.698	3.888	0.45959	0.93253	COX18 cytochrome c oxidase assembly factor		Cytoplasm	transporter
5924	EIF4G2	-0.248	9.658	0.4597	0.93258	eukaryotic translation initiation factor 4 gamma, 2		Cytoplasm	translation regulator
5925	TMED9	-0.361	6.979	0.45988	0.93263	transmembrane emp24 protein transport domain containing 9		Cytoplasm	transporter
5926	TNIP3P8	-0.678	3.244	0.4598	0.93263	tropomyosin 3 pseudogene 8		Other	other
5927	P2RY11	1.050	2.375	0.46006	0.93273	purinergic receptor P2Y, G-protein coupled, 11		Plasma Membrane	G protein coupled receptor
5928	LMAN2L	0.549	5.896	0.46014	0.93273	lectin, mannose-binding 2-like		Cytoplasm	other
5929	MDC1	-0.393	6.401	0.46022	0.93273	mediator of DNA-damage checkpoint 1		Nucleus	other
5930	REXO4	-0.426	5.665	0.46023	0.93273				

5940	E1F4EBP2	-0.274	7.246	0.4614	0.93329	eukaryotic translation initiation factor 4E binding protein 2	Cytoplasm	translation regulator
5941	PRR13	-0.342	6.271	0.46144	0.93329	proline rich 13	Nucleus	other
5942	Y1EFN3	-1.019	2.417	0.46129	0.93329	Y1ef N-terminal domain containing 3	Other	other
5943	MMP19	1.349	5.707	0.46321	0.93346	matrix metalloproteinase 19	Extracellular Space	peptidase
5944	SCARNA4	1.268	1.732	0.46302	0.93346	small Cajal body-specific RNA 4	Other	other
5945	ZNF354C	1.006	2.959	0.46215	0.93346	zinc finger protein 354C	Nucleus	other
5946	RGS18	0.837	4.012	0.46252	0.93346	regulator of G-protein signaling 18	Cytoplasm	other
5947	RLG4	0.835	3.045	0.46242	0.93346	rat guanine nucleotide dissociation stimulator-like 4	Other	other
5948	ST7	0.803	4.522	0.46225	0.93346	suppression of tumorigenicity 7	Other	other
5949	ZNF524	0.645	4.307	0.46255	0.93346	zinc finger protein 524	Other	other
5950	ESRRA	0.617	4.142	0.4637	0.93346	estrogen-related receptor alpha	Nucleus	ligand-dependent nuclear receptor
5951	NUDT2	0.615	4.599	0.46334	0.93346	nudix (nucleoside diphosphate linked moiety X)-type motif 2	Plasma Membrane	phosphatase
5952	GOLGA6L9	0.569	4.565	0.46388	0.93346	golgin A6 family-like 9	Other	other
5953	IL18R1	0.559	8.434	0.46296	0.93346	interleukin 18 receptor 1	Plasma Membrane	transmembrane receptor
5954	SIN3B	0.546	4.952	0.46187	0.93346	SIN3 transcription regulator family member 8	Nucleus	transcription regulator
5955	TMED7	0.529	6.128	0.46188	0.93346	transmembrane emp24 protein transport domain containing 7	Cytoplasm	transporter
5956	PTOV1	0.418	5.854	0.46183	0.93346	prostate tumor overexpressed 1	Nucleus	other
5957	HDA7	0.369	6.111	0.46184	0.93346	histone deacetylase 7	Nucleus	transcription regulator
5958	APPL1	0.334	7.317	0.46379	0.93346	adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 1	Cytoplasm	other
5959	ZDHHC6	0.259	7.484	0.46198	0.93346	zinc finger, DHHC-type containing 6	Nucleus	enzyme
5960	ITK	0.257	8.917	0.46296	0.93346	IL2-inducible T-cell kinase	Cytoplasm	kinase
5961	E1F3L	0.238	8.392	0.46332	0.93346	eukaryotic translation initiation factor 3, subunit L	Cytoplasm	other
5962	SNX2	-0.275	7.642	0.46378	0.93346	sorting nexin 2	Cytoplasm	transporter
5963	DHX29	-0.357	6.075	0.46304	0.93346	DEAH (Asp-Glu-Ala-His) box polypeptide 29	Cytoplasm	enzyme
5964	BFAR	-0.368	6.701	0.46377	0.93346	bifunctional apoptosis regulator	Cytoplasm	other
5965	PIAS2	-0.372	6.283	0.46242	0.93346	protein inhibitor of activated STAT, 2	Nucleus	transcription regulator
5966	LRRCA1	-0.459	6.646	0.46353	0.93346	leucine rich repeat containing 41	Other	other
5967	TRIM24	-0.479	5.556	0.46327	0.93346	tripartite motif containing 24	Nucleus	transcription regulator
5968	POLE4	-0.481	5.148	0.46401	0.93346	polymerase (DNA-directed), epsilon 4, accessory subunit	Nucleus	enzyme
5969	CODK16	-0.528	5.283	0.46239	0.93346	cyclin-dependent kinase 16	Cytoplasm	kinase
5970	CCDC18	-0.546	5.148	0.46344	0.93346	coiled-coil domain containing 18	Other	other
5971	SCO2	-0.804	4.083	0.46344	0.93346	SCO2 cytochrome c oxidase assembly protein	Cytoplasm	other
5972	MTA1	-1.075	2.461	0.46381	0.93346	metastasis associated 1	Nucleus	transcription regulator
5973	DNAH7	-1.095	2.109	0.46364	0.93346	dynein, axonemal, heavy chain 7	Cytoplasm	other
5974	PLCB1-IT1	-1.634	1.687	0.46328	0.93346	PLCB1 intronic transcript 1	Other	other
5975	IFI44	0.388	6.974	0.46423	0.93362	interferon-induced protein 44	Cytoplasm	other
5976	SMARCE1P	-0.813	3.417	0.46424	0.93362	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1 pseudogene 6	Other	other
5977	ARHGGEF18	1.247	1.911	0.466	0.93369	rho/Rac guanine nucleotide exchange factor (GEF) 18	Cytoplasm	other
5978	KLF11	0.547	5.075	0.46637	0.93369	Kruppel-like factor 11	Nucleus	transcription regulator
5979	MOGS	0.506	5.833	0.46553	0.93369	mannosyl-oligosaccharide glucosidase	Cytoplasm	enzyme
5980	ZNF862	0.475	5.573	0.46526	0.93369	zinc finger protein 862	Other	other
5981	NSD1	0.304	7.217	0.46661	0.93369	nuclear receptor binding SET domain protein 1	Nucleus	transcription regulator
5982	R3HDM4	0.288	7.380	0.46518	0.93369	R3H domain containing 4	Other	other
5983	HERC4	0.281	7.553	0.46523	0.93369	HECT and RLD domain containing E3 ubiquitin protein ligase 4	Cytoplasm	enzyme
5984	CHTOP	0.275	7.585	0.46477	0.93369	chromatin target of PRMT1	Nucleus	other
5985	TMEM87A	-0.258	7.618	0.46558	0.93369	transmembrane protein 87A	Other	other
5986	MDH1	-0.258	8.089	0.46621	0.93369	malate dehydrogenase 1, NAD (soluble)	Cytoplasm	enzyme
5987	TNFRSF1B	-0.271	7.200	0.46541	0.93369	tumor necrosis factor receptor superfamily, member 1B	Plasma Membrane	transmembrane receptor
5988	NUP107	-0.279	7.449	0.46617	0.93369	nucleoporin 107kDa	Nucleus	transporter
5989	NDUFA6	-0.297	7.038	0.46453	0.93369	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 6, 14kDa	Cytoplasm	enzyme
5990	NDUFA12	-0.350	6.119	0.46581	0.93369	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 12	Cytoplasm	enzyme
5991	GTFC3C	-0.351	6.450	0.46466	0.93369	general transcription factor IIIC, polypeptide 3, 102kDa	Nucleus	transcription regulator
5992	ADSS	-0.356	6.182	0.46511	0.93369	adenylosuccinate synthase	Cytoplasm	enzyme
5993	GLRX5	-0.366	6.134	0.46594	0.93369	glutaredoxin 5	Cytoplasm	other
5994	VAMP3	-0.368	6.327	0.46506	0.93369	vesicle-associated membrane protein 3	Plasma Membrane	other
5995	APPL2	-0.399	6.905	0.46616	0.93369	adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing 2	Cytoplasm	other
5996	RPP30	-0.423	6.192	0.46587	0.93369	ribonuclease P/hMP 30kDa subunit	Nucleus	enzyme
5997	UPF3A	-0.471	5.424	0.46593	0.93369	UPF3 regulator of nonsense transcripts homolog A (yeast)	Nucleus	transporter
5998	ATGAD4	-0.512	5.104	0.46458	0.93369	autophagy related 4D, cysteine peptidase	Cytoplasm	peptidase
5999	ZDHHC16	-0.610	5.398	0.46651	0.93369	zinc finger, DHHC-type containing 16	Cytoplasm	enzyme
6000	RPL10AP2	-0.613	4.220	0.46495	0.93369	ribosomal protein L10a pseudogene 2	Other	other
6001	C21orf119	-0.741	3.717	0.46659	0.93369	URB1 antisense RNA 1 (head to head)	Other	other
6002	PPARG	-0.884	3.902	0.46524	0.93369	peroxisome proliferator-activated receptor gamma	Nucleus	ligand-dependent nuclear receptor
6003	LRFN1	-0.894	2.941	0.4664	0.93369	leucine rich repeat and fibronectin type III domain containing 1	Nucleus	other
6004	HSPD1P6	-0.938	2.330	0.46595	0.93369	heat shock 60kDa protein 1 (chaperonin) pseudogene 6	Other	other
6005	GGH	-1.007	3.681	0.46579	0.93369	gamma-glutamyl hydrolase (conjugase, folypolygamma[glutamyl] hydrolase)	Cytoplasm	peptidase
6006	RPP9	-1.061	2.491	0.46657	0.93369	retinitis pigmentosa 9 pseudogene	Other	other
6007	C11orf184	1.074	2.111	0.46677	0.93385	chromosome 11 open reading frame 84	Other	other
6008	CDK15	1.216	3.215	0.46758	0.934	cyclin-dependent kinase-like 5	Nucleus	kinase
6009	FAM194B	0.892	2.067	0.46761	0.934	glutamate-rich 68	Other	other
6010	FAM161A	0.578	4.523	0.46777	0.934	family with sequence similarity 161, member A	Cytoplasm	other
6011	AGPAT6	0.312	6.733	0.46744	0.934	1-acylglycerol-3-phosphate O-acyltransferase 6	Cytoplasm	enzyme
6012	TKT	0.282	8.162	0.46704	0.934	transketolase	Cytoplasm	enzyme
6013	COPB1	-0.270	8.744	0.46766	0.934	coatamer protein complex, subunit beta 1	Cytoplasm	transporter
6014	BRWD1	-0.285	8.820	0.46777	0.934	bromodomain and WD repeat domain containing 1	Nucleus	transcription regulator
6015	ARPC4	-0.386	5.919	0.46695	0.934	actin related protein 2/3 complex, subunit 4, 20kDa	Cytoplasm	other
6016	CINP	-0.396	6.124	0.46766	0.934	cyclin-dependent kinase 2 interacting protein	Nucleus	other
6017	PSMG3	-0.530	4.920	0.46755	0.934	proteasome (prosome, macropain) assembly chaperone 3	Other	other
6018	ZNF584	-0.678	4.856	0.46739	0.934	zinc finger protein 584	Nucleus	other
6019	RNASSP33	1.332	1.752	0.4679	0.93403	RNA, 5S ribosomal pseudogene 33	Other	other
6020	ZBTB45	0.784	3.509	0.46861	0.93403	zinc finger and BTB domain containing 45	Nucleus	other
6021	SKZ	0.620	4.132	0.46838	0.93403	salt-inducible kinase 2	Cytoplasm	kinase
6022	COX19	0.360	6.979	0.46816	0.93403	COX19 cytochrome c oxidase assembly factor	Cytoplasm	other
6023	RPS12	-0.273	7.319	0.46865	0.93403	ribosomal protein S12	Cytoplasm	other
6024	ARIH2	-0.282	7.524	0.46845	0.93403	ariadne RBR E3 ubiquitin protein ligase 2	Nucleus	enzyme
6025	WDR83OS	-0.360	6.152	0.46856	0.93403	WD repeat domain 83 opposite strand	Other	other
6026	CNEP1R1	-0.430	5.383	0.4684	0.93403	CTD nuclear envelope phosphatase 1 regulatory subunit 1	Nucleus	other
6027	ANKRD54	-0.459	6.036	0.46837	0.93403	ankyrin repeat domain 54	Nucleus	transcription regulator
6028	DLAT	-0.581	5.226	0.46788	0.93403	dihydrolipoamide S-acyltransferase	Cytoplasm	enzyme
6029	ATAD3B	-0.816	5.112	0.46804	0.93403	ATPase family, AAA domain containing 3B	Nucleus	other
6030	TRGV7	-1.365	1.755	0.4683	0.93403	T cell receptor gamma variable 7 (pseudogene)	Other	other
6031	TMEM14C	-0.320	6.463	0.46876	0.9341	transmembrane protein 14C	Plasma Membrane	other
6032	PKCSH	0.410	5.637	0.46887	0.93412	protein kinase C substrate 80K-H	Cytoplasm	enzyme
6033	ZBTB38	-0.406	7.108	0.46893	0.93412	zinc finger and BTB domain containing 38	Nucleus	transcription regulator
6034	TMEM41A	-0.403	5.618	0.46901	0.93413	transmembrane protein 41A	Other	other
6035	ZNF789	-0.589	5.126	0.46917	0.9343	zinc finger protein 789	Nucleus	other
6036	COX8A	-0.425	5.548	0.46933	0.93446	cytochrome c oxidase subunit VIIIA (ubiquitous)	Cytoplasm	enzyme
6037	HOXB-AS1	0.808	3.277	0.47004	0.93457	HOXB cluster antisense RNA 1	Other	other
6038	FAM98C	0.535	5.133	0.47028	0.93457	family with sequence similarity 98, member C	Other	other
6039	TPD52L2	0.517	6.991	0.47011	0.93457	tumor protein D52-like 2	Cytoplasm	other
6040	MRP535	0.342	6.367	0.47023	0.93457	mitochondrial ribosomal protein S35	Cytoplasm	other
6041	HMBOX1	0.305	6.673	0.46984	0.93457	homeobox containing 1	Nucleus	transcription regulator
6042	CREBZF	0.262	7.773	0.47063	0.93457	CREB/ATF bZIP transcription factor	Nucleus	transcription regulator
6043	SNX3	-0.249	7.636	0.47053	0.93457	sorting nexin 3	Cytoplasm	transporter
6044	SEC31A	-0.269	8.965	0.47033	0.93457	SEC31 homolog A (S. cerevisiae)	Cytoplasm	other
6045	TM6STNB	-0.365	6.132	0.47053	0.93457	TM6ST neighbor	Nucleus	other
6046	TTOC	-0.410	5.729	0.47063	0.93457	tetratricopeptide repeat domain 9C	Other	other
6047	HSOL2	-0.435	5.600	0.47029	0.93457	hydroxysteroid dehydrogenase-like 2	Cytoplasm	transporter
6048	RCCD1	-0.732	3.772	0.46971	0.93457	RCC1 domain containing 1	Other	other
6049	ATF4P4	-0.797	2.907	0.46967	0.93457	activating transcription factor 4 pseudogene 4	Other	other
6050	FAM60BP	-0.961	2.300	0.46965	0.93457	family with sequence similarity 60, member A pseudogene	Other	other
6051	EME2	-1.124	2.705	0.47005	0.93457	essential meiotic structure-specific endonuclease subunit 2	Other	other
6052	KRT7	-1.437	2.111	0.4705	0.93457	keratin 7, type II	Cytoplasm	other
6053	GTPBP8	0.437	5.437	0.47101	0.93464	GTP-binding protein 8 (putative)	Cytoplasm	other
6054	ZC3H8	0.287	6.837	0.47087	0.93464	zinc finger CCHC-type containing 8	Nucleus	transcription regulator
6055	RPL8	0.235	9.287	0.47105	0.93464	ribosomal protein L8	Other	other
6056	NUP153	-0.385	5.884	0.47082	0.93464	nucleoporin 153kDa	Nucleus	transporter
6057	ATAD3A	-0.850	3.965	0.47098	0.93464	ATPase family, AAA domain containing 3A	Cytoplasm	other
6058	RIZ1	0.696	3.820	0.47132	0.93471	RT3-interacting zinc finger 1	Nucleus	other
6059	SNRNP200	0.250	8.896	0.47126	0.93471	small nuclear ribonucleoprotein 200kDa (U5)	Nucleus	enzyme
6060	RM39	0.228	9.228	0.47121	0.93471	RNA binding motif protein 39	Nucleus	transcription regulator
6061	ZNF66P	0.924	3.100	0.47152	0.93482	zinc finger protein 66	Cytoplasm	other
6062	ARL6IP5	-0.231	8.408	0.47154	0.93482	ADP-ribosylation factor-like 6 interacting protein 5	Other	other
6063	CCDC28A	-0.364	6.013	0.47161	0.93482	coiled-coil domain containing 28A	Other	other
6064	MCM7	0.265	7.432	0.47177	0.93494	minichromosome maintenance complex component 7	Nucleus	enzyme
6065	PQBP1	0.260	7.434	0.47198	0.93494	polyglutamine binding protein 1	Nucleus	transcription regulator
6066	HNRNPF	-0.231	8.870	0.47188	0.93494	heterogeneous nuclear ribonucleoprotein F	Nucleus	other
6067	PHF8	-0.496	5.248	0.47197	0.93494	PHD finger protein 8	Nucleus	enzyme
6068	FRMD4A	0.926	2.874	0.47211	0.93505	FERM domain containing 4A	Plasma Membrane	other
6069	FBX83	0.255						

6072	WDR19	0.416	6.543	0.47263	0.93528	WD repeat domain 19	Extracellular Space	other
6073	DDX5	0.223	11.020	0.47274	0.93528	DEAD (Asp-Glu-Ala-Asp) box helicase 5	Nucleus	enzyme
6074	NUP210	-0.325	7.468	0.47251	0.93528	nucleoporin 210kDa	Nucleus	transporter
6075	SMCR5	-1.312	1.738	0.47277	0.93528	Smith-Magenis syndrome chromosome region, candidate 5 (non-protein coding)	Other	other
6076	MAML1	0.491	5.578	0.47294	0.93545	mastermind-like 1 (Drosophila)	Nucleus	transcription regulator
6077	MBTPS2	-0.682	4.632	0.4733	0.936	membrane-bound transcription factor peptidase, site 2	Cytoplasm	peptidase
6078	GTPBP4	-0.340	7.378	0.47354	0.93633	GTP binding protein 4	Nucleus	enzyme
6079	MGA	-0.263	7.589	0.47371	0.93651	MGA, MAX dimerization protein	Nucleus	transcription regulator
6080	RECQL5	0.660	5.441	0.47429	0.93678	RecQ protein-like 5	Nucleus	enzyme
6081	RAB24	0.539	4.849	0.47431	0.93678	RAB24, member RAS oncogene family	Other	other
6082	GFOD2	0.498	5.512	0.47396	0.93678	glucose-fructose oxidoreductase domain containing 2	Extracellular Space	enzyme
6083	WDFY1	0.278	7.563	0.47419	0.93678	WD repeat and FYVE domain containing 1	Cytoplasm	other
6084	HLA-E	0.227	10.542	0.47416	0.93678	major histocompatibility complex, class I, E	Plasma Membrane	transmembrane receptor
6085	GPW68	-0.734	4.366	0.4741	0.93678	glycoprotein M68	Plasma Membrane	other
6086	EFCAB7	0.583	4.604	0.47462	0.93723	EF-hand calcium binding domain 7	Extracellular Space	other
6087	MAP7D2	1.315	2.102	0.47555	0.93735	MAP7 domain containing 2	Other	other
6088	CPOX	0.673	4.371	0.4753	0.93735	coproporphyrinogen oxidase	Cytoplasm	enzyme
6089	ZNF592	0.415	6.016	0.47561	0.93735	zinc finger protein 592	Nucleus	other
6090	RPL10A	-0.252	7.317	0.47548	0.93735	ribosomal protein L10a	Nucleus	other
6091	NOF56	-0.255	8.063	0.47508	0.93735	NOF56 ribonucleoprotein	Nucleus	other
6092	IPD9	-0.257	7.946	0.47517	0.93735	importin 9	Nucleus	transporter
6093	TAGAP	-0.314	7.397	0.47515	0.93735	T-cell activation RhoGTPase activating protein	Cytoplasm	other
6094	EXOSC5	-0.491	6.041	0.47481	0.93735	exosome component 5	Nucleus	enzyme
6095	TATDN1	-0.514	4.910	0.47488	0.93735	TatD Ntrase domain containing 1	Extracellular Space	other
6096	ZNF275	-0.670	4.909	0.4753	0.93735	zinc finger protein 275	Nucleus	other
6097	WDR76	-0.866	3.557	0.47498	0.93735	WD repeat domain 76	Nucleus	other
6098	ESPN	-1.238	2.211	0.47561	0.93735	espin	Cytoplasm	other
6099	TXNDC5	-0.964	2.503	0.47583	0.93747	thioredoxin domain containing 5 (endoplasmic reticulum)	Cytoplasm	enzyme
6100	CYP2D6	-1.171	2.435	0.4758	0.93747	cytochrome P450, family 2, subfamily D, polypeptide 6	Cytoplasm	enzyme
6101	C6orf89	-0.272	7.209	0.47624	0.93783	chromosome 6 open reading frame 89	Other	other
6102	TPP2	-0.329	7.908	0.47625	0.93783	tripeptidyl peptidase II	Cytoplasm	peptidase
6103	NLR4	-1.294	1.787	0.47612	0.93783	NLR family, CARD domain containing 4	Cytoplasm	other
6104	SLC17A9	1.130	2.867	0.47649	0.93811	solute carrier family 17 (vesicular nucleotide transporter), member 9	Cytoplasm	other
6105	NOMO1	-0.657	4.224	0.47655	0.93811	NODAL modulator 1	Plasma Membrane	other
6106	URB2	0.935	3.972	0.47765	0.93813	URB2 ribosome biogenesis 2 homolog (S. cerevisiae)	Nucleus	other
6107	ENTPD7	0.892	3.462	0.47684	0.93813	ectonucleoside triphosphate diphosphohydrolase 7	Cytoplasm	enzyme
6108	ARHGAP18	0.840	4.101	0.47781	0.93813	Rho GTPase activating protein 18	Cytoplasm	other
6109	CCZ1B	0.661	3.917	0.47672	0.93813	CCZ1 vacuolar protein trafficking and biogenesis associated homolog B (S. cerevisiae)	Other	other
6110	XIST	0.636	6.454	0.47759	0.93813	X inactive specific transcript (non-protein coding)	Nucleus	other
6111	FAM69A	0.629	4.927	0.4776	0.93813	family with sequence similarity 69, member A	Other	other
6112	MOB2	0.400	5.728	0.47768	0.93813	MOB kinase activator 2	Nucleus	other
6113	TOP1	0.395	6.003	0.47754	0.93813	topoisomerase (DNA) I	Nucleus	enzyme
6114	ZFP91	0.380	6.354	0.47731	0.93813	ZFP91 zinc finger protein	Nucleus	transcription regulator
6115	HMGN3	0.301	6.633	0.47777	0.93813	high mobility group nucleosomal binding domain 3	Nucleus	other
6116	SSR4	0.265	7.863	0.47807	0.93813	signal sequence receptor, delta	Cytoplasm	other
6117	SPFO	0.263	8.786	0.47887	0.93813	splicing factor proline/glutamine-rich	Nucleus	other
6118	SRSF5	0.251	8.995	0.47773	0.93813	serine/arginine-rich splicing factor 5	Nucleus	other
6119	STAT6	-0.248	8.005	0.47757	0.93813	signal transducer and activator of transcription 6, interleukin-4 induced	Nucleus	transcription regulator
6120	B3GNT2	-0.342	6.376	0.47706	0.93813	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 2	Plasma Membrane	enzyme
6121	SLC12A9	-0.755	3.511	0.47744	0.93813	solute carrier family 12, member 9	Plasma Membrane	transporter
6122	HNRNPKP2	-0.596	4.327	0.47798	0.93817	heterogeneous nuclear ribonucleoprotein K pseudogene 2	Other	other
6123	FGL2	-0.714	3.308	0.47792	0.93817	fibronogen-like 2	Extracellular Space	peptidase
6124	TRIM39	0.422	5.830	0.47837	0.93853	tripartite motif containing 39	Cytoplasm	other
6125	PAZG4P1	-0.757	3.040	0.47826	0.93853	proliferation-associated ZG4 pseudogene 1	Other	other
6126	CKS1B	-0.869	2.785	0.4784	0.93853	CDC28 protein kinase regulatory subunit 1B	Other	kinase
6127	ZNF713	0.695	3.851	0.47885	0.93925	zinc finger protein 713	Nucleus	other
6128	MBNL3	0.650	5.035	0.47916	0.93925	muscleblind-like splicing regulator 3	Nucleus	other
6129	PPA2	0.317	6.671	0.47896	0.93925	pyrophosphatase (inorganic) 2	Cytoplasm	enzyme
6130	TAX1BP1	-0.237	8.800	0.47901	0.93925	Tax1 (human T-cell leukemia virus type I) binding protein 1	Cytoplasm	other
6131	BCAP29	-0.385	6.284	0.47911	0.93925	B-cell receptor-associated protein 29	Plasma Membrane	transporter
6132	TOMM22	-0.297	6.766	0.47929	0.93935	translocase of outer mitochondrial membrane 22 homolog (yeast)	Plasma Membrane	transporter
6133	TMCO3	-0.602	5.427	0.47941	0.93944	transmembrane and coiled-coil domains 3	Other	transporter
6134	KCNJ13	0.780	3.636	0.47951	0.93948	potassium channel, inwardly rectifying subfamily J, member 13	Plasma Membrane	ion channel
6135	C19orf47	-0.737	3.442	0.4796	0.9395	chromosome 19 open reading frame 47	Nucleus	other
6136	TCAIM	0.431	5.926	0.48006	0.94024	T cell activation inhibitor, mitochondrial	Cytoplasm	other
6137	ZNF3	-0.345	6.302	0.48026	0.9405	zinc finger protein 3	Nucleus	transcription regulator
6138	DYNLL1	-0.321	6.944	0.48047	0.94075	dynein, light chain, LC8-type 1	Cytoplasm	other
6139	VHL	-0.347	6.110	0.48065	0.94094	von Hippel-Lindau tumor suppressor, E3 ubiquitin protein ligase	Nucleus	transcription regulator
6140	ACTR8	-0.329	6.376	0.48084	0.94137	ACTR8 actin-related protein 8 homolog (yeast)	Nucleus	other
6141	FCGR1	0.665	4.253	0.48127	0.94127	Fc fragment of IgG, receptor, transporter, alpha	Plasma Membrane	transmembrane receptor
6142	FOXJ2	0.412	5.813	0.48126	0.94127	forkhead box J2	Nucleus	transcription regulator
6143	HMGCL	-0.322	6.471	0.48128	0.94127	3-hydroxymethyl-3-methylglutaryl-CoA lyase	Cytoplasm	enzyme
6144	OGFR	-0.368	6.355	0.48128	0.94127	oploid growth factor receptor	Plasma Membrane	other
6145	NR2C2AP	-0.510	5.154	0.48109	0.94127	nuclear receptor 2C2-associated protein	Nucleus	other
6146	CACAM1	0.897	4.224	0.483	0.94203	carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)	Plasma Membrane	other
6147	ZFPL1	0.829	2.687	0.48276	0.94203	zinc finger protein-like 1	Cytoplasm	other
6148	FBXO46	0.784	4.014	0.48191	0.94203	F-box protein 46	Other	other
6149	FAM43A	0.732	3.577	0.48365	0.94203	family with sequence similarity 43, member A	Other	other
6150	NAB2	0.609	4.759	0.48304	0.94203	NGF-A binding protein 2 (EGF1 binding protein 2)	Nucleus	transcription regulator
6151	SCMH1	0.609	5.224	0.48248	0.94203	sex comb on midline homolog 1 (Drosophila)	Nucleus	transcription regulator
6152	METTL10	0.561	4.596	0.48249	0.94203	methyltransferase like 10	Other	other
6153	NRF102	0.502	5.028	0.48246	0.94203	zinc finger protein 102	Cytoplasm	enzyme
6154	SLC26A2	0.452	5.314	0.48425	0.94203	solute carrier family 26 (anion exchanger), member 2	Plasma Membrane	transporter
6155	CLPX	0.307	6.536	0.4841	0.94203	caseinolytic mitochondrial matrix peptidase chaperone subunit	Cytoplasm	enzyme
6156	USP16	0.256	7.563	0.4833	0.94203	ubiquitin specific peptidase 16	Cytoplasm	peptidase
6157	PTMA	0.234	7.855	0.48279	0.94203	prothymosin, alpha	Nucleus	other
6158	SHISA5	-0.247	7.590	0.4835	0.94203	shisa family member 5	Nucleus	other
6159	IRF2	-0.292	7.215	0.48419	0.94203	interferon regulatory factor 2	Nucleus	transcription regulator
6160	ANKRD49	-0.305	6.629	0.48239	0.94203	ankyrin repeat domain 49	Nucleus	transcription regulator
6161	ARFIP2	-0.306	6.469	0.48303	0.94203	ADP-ribosylation factor interacting protein 2	Cytoplasm	other
6162	DNAJC2	-0.313	6.750	0.48357	0.94203	DnaJ (Hsp40) homolog, subfamily C, member 2	Nucleus	other
6163	SLC39A6	-0.329	6.476	0.48268	0.94203	solute carrier family 39 (zinc transporter), member 6	Plasma Membrane	transporter
6164	LY6E	-0.334	7.716	0.48336	0.94203	lymphocyte antigen 6 complex, locus E	Plasma Membrane	other
6165	FAM195B	-0.352	6.127	0.48183	0.94203	family with sequence similarity 195, member B	Other	other
6166	CLN8	-0.373	5.911	0.48376	0.94203	ceroid-lipofuscinosis, neuronal B (epilepsy, progressive with mental retardation)	Cytoplasm	other
6167	ATP6V1D	-0.380	6.101	0.48375	0.94203	ATPase, H ⁺ transporting, lysosomal 34kDa, V1 subunit D	Cytoplasm	transporter
6168	ZNF28	-0.386	6.059	0.48396	0.94203	zinc finger protein 28	Nucleus	other
6169	ALKBH1	-0.425	6.001	0.48434	0.94203	alkB, alkylation repair homolog 1 (E. coli)	Cytoplasm	enzyme
6170	DUSP23	-0.622	4.466	0.48427	0.94203	dual specificity phosphatase 23	Cytoplasm	phosphatase
6171	FARP2	-0.680	4.338	0.48388	0.94203	FERM, RhoGEF and pleckstrin domain protein 2	Cytoplasm	other
6172	CAPS	-0.772	3.909	0.48283	0.94203	calycophosine	Cytoplasm	other
6173	C19orf54	-0.816	3.281	0.48339	0.94203	chromosome 19 open reading frame 54	Other	other
6174	TYROBP	-0.817	4.595	0.48264	0.94203	TYRO protein tyrosine kinase binding protein	Plasma Membrane	transmembrane receptor
6175	PPAP2C	-0.830	3.316	0.48419	0.94203	phosphatidic acid phosphatase type 2C	Plasma Membrane	phosphatase
6176	AVEN	-0.886	4.308	0.4827	0.94203	apoptosis, caspase activation inhibitor	Nucleus	other
6177	ERBP1	-0.888	2.347	0.48425	0.94203	enhancer of rudimentary homolog (Drosophila) pseudogene 1	Other	other
6178	BCAS1	-0.954	3.690	0.4825	0.94203	breast carcinoma amplified sequence 1	Plasma Membrane	other
6179	CMTM4	-1.246	2.170	0.48262	0.94203	KLFL-like MARVEL transmembrane domain containing 4	Extracellular Space	cytokine
6180	HIST1H1D	1.163	2.631	0.48449	0.94204	histone cluster 1, H1d	Nucleus	other
6181	CDH24	1.026	2.275	0.48491	0.94204	cadherin 24, type 2	Plasma Membrane	other
6182	SH3GL1	0.569	4.613	0.48473	0.94204	SH3-domain GRB2-like 1	Cytoplasm	other
6183	DNTTIP1	0.446	5.990	0.48539	0.94204	deoxynucleotidyltransferase, terminal, interacting protein 1	Nucleus	ligand-dependent nuclear receptor
6184	C14orf129	0.368	6.527	0.48525	0.94204	GSK3B interacting protein	Other	other
6185	CDK2AP2	-0.291	7.944	0.48549	0.94204	cyclin-dependent kinase 2 associated protein 2	Nucleus	other
6186	BTBD10	-0.402	5.744	0.48536	0.94204	BTB (POZ) domain containing 10	Cytoplasm	other
6187	CEP97	-0.520	5.070	0.48451	0.94204	centrosomal protein 97kDa	Cytoplasm	other
6188	LETM2	-0.644	3.476	0.4847	0.94204	leucine zipper-ER-hand containing transmembrane protein 2	Other	other
6189	RNA1841	-0.702	4.314	0.48479	0.94204	RNA1841	Other	other
6190	WDR90	-0.761	4.094	0.48498	0.94204	WD repeat domain 90	Other	other
6191	CLCN5	-0.900	3.490	0.4853	0.94204	chloride channel, voltage-sensitive 5	Plasma Membrane	ion channel
6192	THRA	-0.906	2.770	0.48522	0.94204	thyroid hormone receptor, alpha	Nucleus	ligand-dependent nuclear receptor
6193	VDAC1P6	-0.992	2.298	0.48517	0.94204	voltage-dependent anion channel 1 pseudogene 6	Other	other
6194	MIRS480	-1.176	2.159	0.48552	0.94204	microRNA 548b	Cytoplasm	microRNA
6195	DEM1	0.723	4.808	0.48639	0.94207	exonuclease 5	Other	enzyme
6196	SNX11	0.457	6.317	0.48637	0.94207	sorting nexin 11	Cytoplasm	transporter
6197	SNRNP35	0.438	5.544	0.48624	0.94207	small nuclear ribonucleoprotein 35kDa (U11/U12)	Nucleus	other
6198	AP351	0.301	6.712	0.48628	0.94207	adaptor-related protein complex 3, sigma 1 subunit	Cytoplasm	transporter
6199	SCAMP2	-0.246	7.535	0.48612	0.94207	secretory carrier membrane protein 2	Cytoplasm	transporter
6200	COQ9	-0.391	5.790	0.4864	0.94207	coenzyme Q9	Cytoplasm	other
6201								

6204	MCM4	-0.677	4.423	0.48609	0.94207	minichromosome maintenance complex component 4	Nucleus	enzyme
6205	CLDN12	-1.378	3.223	0.48606	0.94207	claudin 12	Plasma Membrane	other
6206	ZNF717	0.871	3.554	0.48687	0.94212	zinc finger protein 717	Nucleus	other
6207	COP55	-0.283	7.106	0.48664	0.94212	COP9 signalosome subunit 5	Nucleus	transcription regulator
6208	EFHA1	-0.300	6.763	0.48678	0.94212	mitochondrial calcium uptake 2	Cytoplasm	other
6209	UOCR10	-0.326	6.319	0.48693	0.94212	ubiquinol-cytochrome c reductase, complex iii subunit X	Cytoplasm	enzyme
6210	DDM10	-0.326	6.585	0.48712	0.94212	DEAD (Asp-Glu-Ala-Asp) box polypeptide 10	Nucleus	enzyme
6211	CDIPT	-0.338	6.244	0.48713	0.94212	CDP-diacylglycerol-inositol 3-phosphatidytransferase	Cytoplasm	enzyme
6212	TMEM218	-0.463	5.165	0.48654	0.94212	transmembrane protein 218	Extracellular Space	other
6213	SAMD1	-0.571	4.597	0.48704	0.94212	sterile alpha motif domain containing 1	Other	other
6214	KANSL1L	-0.709	3.773	0.4871	0.94212	KAT8 regulatory NSL complex subunit 1-like	Other	other
6215	TRBV5-1	1.222	2.352	0.48725	0.94221	T cell receptor beta variable 5-1	Other	other
6216	RRP1	0.683	5.614	0.4878	0.94262	ribosomal RNA processing 1	Nucleus	other
6217	BUD13	-0.372	6.085	0.48774	0.94262	BUD13 homolog (S. cerevisiae)	Nucleus	other
6218	INTS9	-0.532	5.464	0.48768	0.94262	integrator complex subunit 9	Nucleus	other
6219	SRSF9P1	-1.011	2.454	0.48756	0.94262	serine/arginine-rich splicing factor 9 pseudogene 1	Other	other
6220	PPP1R37	-1.574	2.158	0.48786	0.94262	protein phosphatase 1, regulatory subunit 37	Other	other
6221	SUDS3	0.397	6.005	0.48804	0.94283	suppressor of defective silencing 3 homolog (S. cerevisiae)	Nucleus	other
6222	LRTOMT	0.542	4.627	0.48827	0.94296	leucine rich transmembrane and O-methyltransferase domain containing	Other	enzyme
6223	ONAC17	-0.266	7.127	0.48827	0.94296	Onco (Hsp40) homolog, subfamily C, member 7	Cytoplasm	other
6224	SLC25A28	-0.362	6.028	0.48835	0.94297	solute carrier family 25 (mitochondrial iron transporter), member 28	Cytoplasm	other
6225	GAPDHP44	1.129	2.021	0.48864	0.94308	glyceraldehyde 3 phosphate dehydrogenase pseudogene 44	Other	other
6226	LUPT1	-0.471	5.154	0.4885	0.94308	lipoyltransferase 1	Cytoplasm	enzyme
6227	HS3ST1	-1.307	2.630	0.48859	0.94308	heparan sulfate (glucosamine) 3-O-sulfotransferase 1	Cytoplasm	enzyme
6228	S100A4	0.361	6.566	0.48893	0.94333	S100 calcium binding protein A4	Cytoplasm	other
6229	TAF5	-0.905	4.106	0.48893	0.94333	TAF5 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 100kDa	Nucleus	transcription regulator
6230	ERIC1H	0.351	6.077	0.48919	0.94338	glutamate-rich 1	Other	other
6231	C17orf76-4	0.274	7.092	0.48911	0.94338	LRRC75A antisense RNA 1	Other	other
6232	ARL8A	-0.742	3.329	0.48916	0.94338	ADP-ribosylation factor-like 8A	Cytoplasm	enzyme
6233	PLEKHM2	-0.315	6.413	0.48949	0.94381	pleckstrin homology domain containing, family M (with RUN domain) member 2	Extracellular Space	other
6234	PTP4A2	-0.224	8.552	0.48961	0.94389	protein tyrosine phosphatase type IVA, member 2	Cytoplasm	phosphatase
6235	PHCS	0.307	6.680	0.49014	0.94385	phosphatidylinositol glycan anchor biosynthesis, class S	Cytoplasm	enzyme
6236	SLK	-0.241	7.586	0.49017	0.94405	STE20-like kinase	Nucleus	kinase
6237	PPP4R2	-0.305	6.463	0.48995	0.94405	protein phosphatase 4, regulatory subunit 2	Cytoplasm	other
6238	UTP11L	-0.369	5.956	0.48981	0.94405	UTP11-like, U3 small nuclear ribonucleoprotein (yeast)	Nucleus	other
6239	SLC26A11	-0.436	5.400	0.49006	0.94405	solute carrier family 26 (anion exchanger), member 11	Cytoplasm	transporter
6240	NUDT19	-0.656	3.837	0.4899	0.94405	nudix (nucleoside diphosphate linked moiety X)-type motif 19	Cytoplasm	other
6241	FHL3	-0.761	4.993	0.49032	0.9442	four and a half LIM domains 3	Plasma Membrane	other
6242	ANKRD50	1.016	3.450	0.49041	0.94422	ankyrin repeat domain 50	Other	other
6243	BRC41	0.586	4.477	0.49069	0.94423	breast cancer 1, early onset	Nucleus	transcription regulator
6244	ARMCK5	0.555	5.325	0.49081	0.94423	armadillo repeat containing, X-linked 5	Other	other
6245	UTP18	0.378	6.897	0.4907	0.94423	UTP18 small subunit (SSU) processome component homolog (yeast)	Nucleus	other
6246	ATP5O	-0.370	5.927	0.49065	0.94423	ATP synthase, H+ transporting, mitochondrial F1 complex, O subunit	Cytoplasm	transporter
6247	TMEM8A	-0.440	5.556	0.49078	0.94423	transmembrane protein 8A	Plasma Membrane	other
6248	CNT2	0.287	7.758	0.49093	0.9443	cystin 12	Nucleus	transcription regulator
6249	MALAT1	0.273	11.288	0.49108	0.9443	metastasis associated lung adenocarcinoma transcript 1 (non-protein coding)	Nucleus	other
6250	TESK2	-0.671	5.171	0.49102	0.9443	testis-specific kinase 2	Nucleus	kinase
6251	GHRLOS	0.719	3.944	0.49136	0.94433	ghrelin opposite strand/antisense RNA	Other	other
6252	STRAP	-0.271	7.302	0.49143	0.94433	serine/threonine kinase receptor associated protein	Plasma Membrane	other
6253	NDUF82	-0.298	6.482	0.49181	0.94433	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2, 8kDa	Cytoplasm	enzyme
6254	SUP7L7	-0.299	6.788	0.49163	0.94433	suppressor of Ty 7 (S. cerevisiae)-like	Nucleus	transcription regulator
6255	TNRC6A	-0.330	6.388	0.49173	0.94433	trinucleotide repeat containing 6A	Nucleus	other
6256	NOL10	-0.495	4.950	0.49171	0.94433	nucleolar protein 10	Nucleus	other
6257	CTU1	-0.702	3.913	0.49164	0.94433	cytosolic thiouridylase subunit 1	Cytoplasm	other
6258	FLIPL1	-0.856	3.221	0.49172	0.94433	flamin A interacting protein 1-like	Nucleus	other
6259	DOXA	-0.946	3.778	0.49147	0.94433	docking protein 4	Plasma Membrane	other
6260	NFYB	-0.432	5.727	0.49199	0.9444	nuclear transcription factor Y, beta	Nucleus	transcription regulator
6261	HEBP1	-0.779	4.183	0.492	0.9444	heme binding protein 1	Cytoplasm	other
6262	SLC35E2	0.955	2.430	0.49216	0.94457	solute carrier family 35, member E2	Other	other
6263	COPA	0.221	9.186	0.49234	0.94474	coatamer protein complex, subunit alpha	Cytoplasm	transporter
6264	TXNDC15	-0.408	6.104	0.49241	0.94474	thioredoxin domain containing 15	Other	enzyme
6265	IFITM10	1.003	2.835	0.49289	0.94492	interferon induced transmembrane protein 10	Other	other
6266	CCDC120	1.002	2.821	0.49329	0.94492	coiled-coil domain containing 120	Other	other
6267	MCAT	0.737	3.493	0.49326	0.94492	malonyl CoA:ACP acyltransferase (mitochondrial)	Cytoplasm	enzyme
6268	PHF11	-0.238	7.433	0.49303	0.94492	PHD finger protein 11	Other	other
6269	MRPL50	-0.334	6.823	0.49326	0.94492	mitochondrial ribosomal protein L50	Cytoplasm	other
6270	ZNF236	-0.369	6.195	0.49303	0.94492	zinc finger protein 236	Nucleus	transcription regulator
6271	TRAF1	-0.456	6.538	0.49327	0.94492	TNF receptor-associated factor 1	Cytoplasm	other
6272	C4orf46	-0.583	4.449	0.49316	0.94492	chromosome 4 open reading frame 46	Other	other
6273	SAMD4	-1.006	3.228	0.49302	0.94492	sterile alpha motif domain containing 4A	Cytoplasm	transcription regulator
6274	SEMA4G	-1.350	2.287	0.49267	0.94492	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4G	Plasma Membrane	other
6275	TLCD2	1.486	1.728	0.498	0.94508	TLC domain containing 2	Other	other
6276	FAM54A	1.416	2.526	0.49666	0.94508	mitochondrial fission regulator 2	Cytoplasm	other
6277	SEZ6	1.087	2.532	0.49498	0.94508	seizure related 6 homolog (mouse)	Extracellular Space	other
6278	MTMR8	0.939	3.385	0.49724	0.94508	myotubularin related protein 8	Nucleus	phosphatase
6279	MIR568	0.779	3.196	0.49499	0.94508	microRNA 568	Cytoplasm	microRNA
6280	EBLN2	0.600	4.945	0.49787	0.94508	endogenous Bornavirus-like nucleoprotein 2	Other	other
6281	KIAA0195	0.578	4.592	0.49618	0.94508	KIAA0195	Extracellular Space	other
6282	TMEM38B	0.539	5.242	0.49498	0.94508	transmembrane protein 38B	Nucleus	ion channel
6283	ACY1P	0.533	4.361	0.49435	0.94508	acylphosphatase 1, erythrocyte (common) type	Cytoplasm	enzyme
6284	FAM176C	0.498	5.202	0.49403	0.94508	eva-1 homolog C (C. elegans)	Other	other
6285	ZFYVE27	0.479	5.709	0.49293	0.94508	zinc finger, FYVE domain containing 27	Plasma Membrane	other
6286	CEP164	0.468	5.066	0.49708	0.94508	centrosomal protein 164kDa	Cytoplasm	other
6287	SUGP1	0.421	5.734	0.4964	0.94508	SURP and G patch domain containing 1	Nucleus	other
6288	RHOD1	0.393	5.657	0.49646	0.94508	formin homology 2 domain containing 1	Cytoplasm	other
6289	ATF1	0.384	5.668	0.49382	0.94508	activating transcription factor 1	Nucleus	transcription regulator
6290	USP19	0.354	6.533	0.49527	0.94508	ubiquitin specific peptidase 19	Cytoplasm	peptidase
6291	DGKE	0.333	6.967	0.49679	0.94508	diacylglycerol kinase, epsilon 64kDa	Cytoplasm	kinase
6292	RNPC3	0.333	6.814	0.49692	0.94508	RNA-binding region (RNPI, RRM) containing 3	Nucleus	other
6293	AAR2	0.318	7.142	0.49681	0.94508	AAR2 splicing factor homolog (S. cerevisiae)	Other	other
6294	MSL1	0.304	6.634	0.49674	0.94508	male-specific lethal 1 homolog (Drosophila)	Nucleus	other
6295	PPP2R2D	0.295	6.728	0.49458	0.94508	protein phosphatase 2, regulatory subunit B, delta	Nucleus	phosphatase
6296	LAPTM4A	0.284	7.169	0.49785	0.94508	lysosomal protein transmembrane 4 alpha	Cytoplasm	other
6297	FND3A	0.278	7.204	0.49762	0.94508	fibronectin type III domain containing 3A	Cytoplasm	other
6298	EMC3	0.273	6.908	0.49363	0.94508	ER membrane protein complex subunit 3	Nucleus	other
6299	BTA1	0.273	8.164	0.49427	0.94508	BTA1 RNA polymerase II, B-TFIIID transcription factor-associated, 170kDa	Nucleus	transcription regulator
6300	SPOP	0.269	7.570	0.49545	0.94508	speckle-type POZ protein	Extracellular Space	other
6301	CLK3	0.255	7.814	0.49704	0.94508	CDC-like kinase 3	Nucleus	kinase
6302	RARS2	0.250	7.155	0.49455	0.94508	arginyl-tRNA synthetase 2, mitochondrial	Cytoplasm	enzyme
6303	TACC1	0.227	8.848	0.49425	0.94508	transforming, acidic coiled-coil containing protein 1	Nucleus	other
6304	KPNA1	-0.245	7.366	0.49626	0.94508	karyopherin alpha 1 (importin alpha 5)	Nucleus	transporter
6305	ARAP2	-0.251	7.913	0.49531	0.94508	ARFgap with RhoGAP domain, ankyrin repeat and PH domain 2	Cytoplasm	other
6306	MYO1F	-0.267	7.681	0.49765	0.94508	myosin IF	Cytoplasm	other
6307	CTDSP2	-0.268	7.178	0.49504	0.94508	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 2	Nucleus	phosphatase
6308	ANP32B	-0.270	6.848	0.49768	0.94508	acidic (leucine-rich) nuclear phosphoprotein 32 family, member B	Nucleus	other
6309	KAT2B	-0.277	7.355	0.49865	0.94508	Klomyne) acetyltransferase 2B	Nucleus	transcription regulator
6310	RAD54L2	-0.329	6.288	0.49692	0.94508	RAD54-like 2 (S. cerevisiae)	Nucleus	transcription regulator
6311	CCDC66	-0.360	6.993	0.49692	0.94508	coiled-coil domain containing 66	Other	other
6312	KLHDC5	-0.368	6.111	0.49648	0.94508	kelch-like family member 42	Nucleus	other
6313	TBC1D4	-0.371	5.860	0.49773	0.94508	TBC1 domain family, member 4	Cytoplasm	other
6314	ANKRD44-1	-0.378	5.656	0.49721	0.94508	ANKRD44 intronic transcript 1	Other	other
6315	ZNF746	-0.443	5.627	0.49722	0.94508	zinc finger protein 746	Cytoplasm	transcription regulator
6316	PTS	-0.447	5.211	0.49503	0.94508	6-pyruvoyltetrahydropterin synthase	Cytoplasm	enzyme
6317	CEP78	-0.456	5.175	0.49595	0.94508	centrosomal protein 78kDa	Cytoplasm	other
6318	PHLPP2	-0.497	5.243	0.4953	0.94508	PH domain and leucine rich repeat protein phosphatase 2	Cytoplasm	enzyme
6319	RAB33B	-0.504	4.825	0.49349	0.94508	RAB33B, member RAS oncogene family	Cytoplasm	enzyme
6320	NFKBIB	-0.535	4.712	0.49458	0.94508	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	Nucleus	transcription regulator
6321	CT1	-0.566	4.865	0.49676	0.94508	mouse colon carcinoma transcript 1	Cytoplasm	enzyme
6322	DHFR1L1	-0.567	4.647	0.49727	0.94508	dihydrofolate reductase-like 1	Cytoplasm	enzyme
6323	SP140	-0.569	6.197	0.49665	0.94508	SP140 nuclear body protein	Nucleus	transcription regulator
6324	C4orf48	-0.595	3.876	0.49696	0.94508	chromosome 4 open reading frame 48	Other	other
6325	COX20P2	-0.739	2.918	0.49454	0.94508	COX20 cytochrome c oxidase assembly factor pseudogene 2	Other	other
6326	SCAF1	-0.833	2.904	0.4938	0.94508	SR-related CTD-associated factor 1	Extracellular Space	other
6327	CCDC102B	-0.933	3.272	0.49673	0.94508	coiled-coil domain containing 102B	Extracellular Space	other
6328	BUB1	-0.936	3.389	0.49423	0.94508	BUB1 mitotic checkpoint serine/threonine kinase	Nucleus	kinase
6329	TPRG1	-0.984	3.744	0.49785	0.94508	tumor protein p63 regulated 1	Cytoplasm	other
6330	CENPM	-1.004	3.393	0.49516	0.94508	centromere protein M	Cytoplasm	other
6331	ZNF578	-1.056	4.177	0.49801	0.94508	zinc finger protein 578	Nucleus	other
6332	LCTL	-1.256	2.219	0.49795	0.94508	lactase-like	Cytoplasm	enzyme
6333	PTCH1	-1.318	2.198	0.49577	0.94508	patched 1</		

6336	DCAF13	0.288	6.837	0.4986	0.94578	DOB1 and CUL4 associated factor 13	Nucleus	other
6337	EIF2A	0.262	7.967	0.49865	0.94578	eukaryotic translation initiation factor 2A, 65kDa	Cytoplasm	translation regulator
6338	CD247	0.230	7.962	0.49909	0.94578	CD247 molecule	Plasma Membrane	transmembrane receptor
6339	CSNK1A1	-0.237	7.499	0.49897	0.94578	casein kinase 1, alpha 1	Cytoplasm	kinase
6340	MAAT2A	-0.309	6.837	0.49872	0.94578	methionine adenosyltransferase II, alpha	Cytoplasm	enzyme
6341	MAP3K3	-0.313	6.486	0.49896	0.94578	mitogen-activated protein kinase kinase kinase 3	Cytoplasm	kinase
6342	WIPF3	-1.337	2.960	0.49872	0.94578	WAS/WASL interacting protein family, member 3	Plasma Membrane	other
6343	ZBP1	0.555	4.480	0.49925	0.94584	2'-5' DNA binding protein 1	Cytoplasm	other
6344	LTBP3	0.523	5.543	0.49934	0.94584	latent transforming growth factor beta binding protein 3	Extracellular Space	other
6345	C16orf80	0.311	6.591	0.49936	0.94584	cilia and flagella associated protein 20	Cytoplasm	other
6346	DUSP7	-0.568	4.309	0.49954	0.94603	dual specificity phosphatase 7	Cytoplasm	phosphatase
6347	ERO1L8	0.353	6.272	0.49987	0.94609	ERO1-like beta (S. cerevisiae)	Cytoplasm	enzyme
6348	SVPL1	0.245	8.030	0.49989	0.94609	synaptophysin-like 1	Plasma Membrane	transporter
6349	CAB39	-0.328	7.103	0.49982	0.94609	calcium binding protein 39	Cytoplasm	enzyme
6350	AGA	-0.405	5.471	0.49973	0.94609	aspartylglucosaminidase	Cytoplasm	enzyme
6351	TPD52	0.384	5.853	0.49998	0.94612	tumor protein D52	Cytoplasm	other
6352	SLC39A13	0.367	6.167	0.50019	0.94638	solute carrier family 39 (zinc transporter), member 13	Cytoplasm	transporter
6353	AKAP12	1.171	1.727	0.50143	0.94638	A kinase (PRKA) anchor protein 12	Cytoplasm	transporter
6354	TMPPRSS11	0.928	2.572	0.50096	0.94638	transmembrane protease, serine 11C, pseudogene	Other	other
6355	HRASL55	0.815	3.363	0.50031	0.94638	HRAS-like suppressor family, member 5	Other	other
6356	ZNF57	0.598	4.183	0.50121	0.94638	zinc finger protein 57	Other	other
6357	METT125	0.551	4.614	0.50104	0.94638	methyltransferase like 25	Extracellular Space	other
6358	TBC1D10B	0.441	5.494	0.50073	0.94638	TBC1 domain family, member 10B	Plasma Membrane	enzyme
6359	METT122	0.423	5.522	0.50136	0.94638	methyltransferase like 22	Other	enzyme
6360	PRRC2C	0.212	9.589	0.5016	0.94638	proline-rich coiled-coil 2C	Other	other
6361	MAP4	-0.279	7.108	0.50148	0.94638	microtubule-associated protein 4	Cytoplasm	other
6362	NUP88	-0.292	6.905	0.50161	0.94638	nucleoporin 88kDa	Nucleus	transporter
6363	ZFAND2B	-0.293	6.955	0.50143	0.94638	zinc finger, AN1-type domain 2B	Other	other
6364	KDSR	-0.304	7.084	0.50144	0.94638	3-ketodihydroxyphenylsine reductase	Plasma Membrane	enzyme
6365	TMEM60	-0.382	5.841	0.50161	0.94638	transmembrane protein 60	Other	other
6366	USF2	-0.387	6.073	0.50146	0.94638	upstream transcription factor 2, c-fos interacting	Nucleus	transcription regulator
6367	SOS1	-0.405	9.220	0.50109	0.94638	son of sevenless homolog 1 (Drosophila)	Cytoplasm	other
6368	NDRG1	-0.493	5.220	0.50068	0.94638	N-myc downstream regulated 1	Nucleus	kinase
6369	C9orf40	-0.800	2.775	0.50082	0.94638	chromosome 9 open reading frame 40	Other	other
6370	KATNAL1	-0.884	3.730	0.50109	0.94638	katanin p60 subunit A-like 1	Cytoplasm	enzyme
6371	GUSBP2	0.874	2.688	0.50275	0.94639	glucuronidase, beta pseudogene 2	Other	other
6372	LRRC33	0.692	3.864	0.5027	0.94639	negative regulator of reactive oxygen species	Cytoplasm	other
6373	TRAF3IP2	0.504	6.046	0.50315	0.94639	TRAF3 interacting protein 2	Cytoplasm	other
6374	OSBP11	0.475	4.984	0.50216	0.94639	oxysterol binding protein-like 11	Cytoplasm	other
6375	VPS33A	0.431	5.346	0.50294	0.94639	vacuolar protein sorting 33 homolog A (S. cerevisiae)	Cytoplasm	transporter
6376	AGK	0.328	6.707	0.50213	0.94639	acylglycerol kinase	Cytoplasm	kinase
6377	PTPLAD1	0.322	6.469	0.50243	0.94639	3-hydroxyacyl-CoA dehydratase 3	Cytoplasm	enzyme
6378	HNRNPC	0.222	8.277	0.50211	0.94639	heterogeneous nuclear ribonucleoprotein C (C1/C2)	Nucleus	other
6379	TUBA1A	0.221	8.035	0.5022	0.94639	tubulin, alpha 1a	Cytoplasm	other
6380	SCAMP3	-0.243	7.564	0.50264	0.94639	secretory carrier membrane protein 3	Cytoplasm	transporter
6381	FAM32A	-0.247	7.432	0.50335	0.94639	family with sequence similarity 32, member A	Nucleus	other
6382	DPPT	-0.263	7.201	0.5033	0.94639	dipeptidyl-peptidase 7	Cytoplasm	peptidase
6383	C7orf23	-0.287	6.824	0.50242	0.94639	transmembrane protein 243, mitochondrial	Other	other
6384	XPO4	-0.303	6.942	0.50232	0.94639	exportin 4	Nucleus	transporter
6385	ATP5SL	-0.329	6.770	0.50332	0.94639	ATP5S-like	Cytoplasm	other
6386	TNRC6C	-0.344	5.994	0.5026	0.94639	trinucleotide repeat containing 6C	Cytoplasm	other
6387	C11orf57	-0.381	5.993	0.50316	0.94639	chromosome 11 open reading frame 57	Other	other
6388	SMG8	-0.423	5.360	0.50326	0.94639	SMG8 nonsense mediated mRNA decay factor	Cytoplasm	enzyme
6389	C6orf170	-0.528	5.424	0.50192	0.94639	TBC1 domain family, member 32	Other	other
6390	CATSPERG	-0.863	3.071	0.50324	0.94639	catster channel auxiliary subunit gamma	Extracellular Space	other
6391	C2orf74	-1.077	2.572	0.50252	0.94639	chromosome 2 open reading frame 74	Other	other
6392	CRYBA1	-1.204	2.487	0.50178	0.94639	crystallin, beta A1	Other	other
6393	GTBPB10	0.498	5.000	0.50369	0.94658	GTP-binding protein 10 (putative)	Cytoplasm	other
6394	MVD	0.384	6.272	0.50369	0.94658	mevalonate (diphosphol) decarboxylase	Cytoplasm	enzyme
6395	SCAMP1	0.361	6.214	0.50359	0.94658	secretory carrier membrane protein 1	Cytoplasm	transporter
6396	PARP8	0.233	8.151	0.50387	0.94658	poly (ADP-ribose) polymerase family, member 8	Other	other
6397	NEK9	-0.317	6.454	0.50392	0.94658	NIMA-related kinase 9	Nucleus	kinase
6398	NFKB2	-0.406	8.082	0.50386	0.94658	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100)	Nucleus	transcription regulator
6399	STAP2	-1.340	2.298	0.50407	0.9467	signal transducing adaptor family member 2	Cytoplasm	other
6400	FBXO22	-0.301	6.718	0.50423	0.94685	F-box protein 22	Other	enzyme
6401	TRIM36	1.217	2.351	0.50448	0.94718	tripartite motif containing 36	Cytoplasm	other
6402	ARHGAP17	-0.337	6.320	0.50471	0.94718	Rho GTPase activating protein 17	Cytoplasm	other
6403	EBAG9	-0.398	5.627	0.50472	0.94718	estrogen receptor binding site associated, antigen, 9	Cytoplasm	other
6404	SERTAD2	-0.507	4.740	0.50462	0.94718	SERTA domain containing 2	Cytoplasm	transcription regulator
6405	FBX15	-0.397	5.521	0.50488	0.94733	F-box and leucine-rich repeat protein 15	Cytoplasm	other
6406	TORAA	-0.948	3.430	0.50499	0.9474	torin family 4, member A	Other	other
6407	SRSF10P1	1.476	1.724	0.50536	0.94755	serine/arginine-rich splicing factor 10 pseudogene 1	Other	other
6408	DDX55	0.358	6.532	0.50535	0.94755	DEAD (Asp-Glu-Ala-Asp) box polypeptide 55	Other	enzyme
6409	MAPK6	-0.400	6.490	0.50541	0.94755	mitogen-activated protein kinase 6	Cytoplasm	kinase
6410	TOP3A	-0.409	5.992	0.50527	0.94755	topoisomerase (DNA) III alpha	Nucleus	enzyme
6411	PFKM	-1.066	3.913	0.50547	0.94755	phosphofructokinase, muscle	Cytoplasm	kinase
6412	DGCR8	0.809	3.684	0.50643	0.94761	DGCR8 microprocessor complex subunit	Nucleus	enzyme
6413	C3orf71	0.634	3.804	0.50596	0.94761	ariadne domain 2 opposite strand	Other	other
6414	WDR55	0.593	5.132	0.50644	0.94761	WD repeat domain 55	Nucleus	other
6415	SLC25A33	0.458	5.131	0.50637	0.94761	solute carrier family 25 (pyrimidine nucleotide carrier), member 33	Cytoplasm	transporter
6416	PTPPE	0.375	6.215	0.50602	0.94761	protein tyrosine phosphatase, receptor type, E	Plasma Membrane	phosphatase
6417	RNAK38	0.296	7.408	0.50636	0.94761	RNA binding motif protein 38	Nucleus	other
6418	CNTRL	0.254	8.109	0.50569	0.94761	centrinin	Nucleus	transcription regulator
6419	ADD1	0.221	8.523	0.50629	0.94761	adducin 1 (alpha)	Cytoplasm	other
6420	NXPE3	-0.452	5.722	0.50599	0.94761	neurexophilin and PC-esterase domain family, member 3	Other	other
6421	WDR83	-0.603	4.107	0.50612	0.94761	WD repeat domain 83	Nucleus	other
6422	CENPQ	-0.883	3.158	0.5061	0.94761	centromere protein Q	Nucleus	other
6423	AMDP1	-1.186	1.906	0.50603	0.94761	adenosylmethionine decarboxylase 1 pseudogene 2	Other	other
6424	TSEN15P1	-1.031	3.007	0.50657	0.94769	TSEN15 tRNA splicing endonuclease subunit pseudogene 1	Other	other
6425	NKAPL	1.448	1.953	0.50681	0.94801	NFKB activating protein-like	Other	other
6426	SDF4	-0.310	7.487	0.50698	0.94802	stromal cell derived factor 4	Cytoplasm	other
6427	TMEM167B	-0.363	6.813	0.50697	0.94802	transmembrane protein 167B	Other	other
6428	ZNF502	0.743	4.928	0.50723	0.94835	zinc finger protein 502	Nucleus	other
6429	EEF1A1P8	0.937	2.204	0.50709	0.94887	eukaryotic translation elongation factor 1 alpha 1 pseudogene 8	Other	other
6430	UHRF1BP1	0.309	6.886	0.50772	0.94887	UHRF1 binding protein 1-like	Other	other
6431	USPL1	0.281	6.985	0.50767	0.94887	ubiquitin specific peptidase like 1	Extracellular Space	other
6432	TMEM123	0.218	9.243	0.50798	0.94887	transmembrane protein 123	Plasma Membrane	other
6433	ALS2	-0.471	5.620	0.50784	0.94887	amyotrophic lateral sclerosis 2 (juvenile)	Cytoplasm	other
6434	INCENP	-1.202	1.757	0.50799	0.94887	inner centromere protein antigens 135/155kDa	Nucleus	other
6435	NET1	1.286	2.287	0.50842	0.94939	neuroepithelial cell transforming 1	Nucleus	other
6436	ZNF626	0.742	3.000	0.50837	0.94939	zinc finger protein 626	Other	other
6437	HOTAIRM1	1.253	2.040	0.50891	0.94958	HOXA transcript antisense RNA, myeloid-specific 1	Other	other
6438	TGIF2	0.355	6.125	0.50897	0.94958	TGF-beta-induced factor homeobox 2	Nucleus	transcription regulator
6439	PHF17	0.290	7.116	0.50885	0.94958	jade family PHD finger 1	Nucleus	other
6440	SLC35B1	-0.375	6.441	0.50901	0.94958	solute carrier family 35, member B1	Cytoplasm	transporter
6441	NLE1	-0.533	4.905	0.50908	0.94958	notchless homolog 1 (Drosophila)	Nucleus	enzyme
6442	DPM3	-0.594	3.993	0.50894	0.94958	delcythyl-phosphate monooxygenase polypeptide 3	Cytoplasm	enzyme
6443	MEGF8	-0.820	4.001	0.50867	0.94958	multiple EGF-like domains 8	Extracellular Space	other
6444	EIF3B	-0.236	8.101	0.50917	0.94962	eukaryotic translation initiation factor 3, subunit B	Cytoplasm	translation regulator
6445	FBL	-0.256	6.940	0.50926	0.94964	fibrillarin	Nucleus	other
6446	ZC3H6	0.426	6.088	0.50942	0.94965	zinc finger CCHC-type containing 6	Other	other
6447	NAA10	-0.415	5.287	0.50943	0.94965	N[alpha]-acetyltransferase 10, NATA catalytic subunit	Nucleus	enzyme
6448	GMNN	-0.605	4.642	0.50954	0.9497	geminin, DNA replication inhibitor	Nucleus	transcription regulator
6449	EPHB6	-0.713	4.162	0.50975	0.94996	EPH receptor B6	Plasma Membrane	kinase
6450	NASEL	0.351	5.955	0.51012	0.95049	ribonuclease L (2'-5'-oligoadenylate synthetase-dependent)	Cytoplasm	enzyme
6451	CPT1A	-0.550	4.493	0.51032	0.95072	carntine palmitoyltransferase 1A (liver)	Cytoplasm	enzyme
6452	TLL11	1.178	2.532	0.51051	0.95086	tubulin tyrosine ligase-like family member 11	Other	other
6453	RNF7P1	0.636	3.454	0.51052	0.95086	ring finger protein 7 pseudogene 1	Other	other
6454	ZNF772	-0.793	3.924	0.51075	0.95107	zinc finger protein 772	Other	other
6455	DOCK5	0.855	4.539	0.51205	0.95167	dedicator of cytokinesis 5	Cytoplasm	other
6456	FAM131A	0.853	3.321	0.51306	0.95167	family with sequence similarity 131, member A	Other	transporter
6457	MANBAL	0.623	4.139	0.5117	0.95167	mannosidase, beta A, lysosomal-like	Other	other
6458	PRDM10	0.549	4.604	0.51196	0.95167	PR domain containing 10	Nucleus	transcription regulator
6459	ZNF410	0.513	4.852	0.5113	0.95167	zinc finger protein 410	Nucleus	other
6460	CCDC107	0.510	4.760	0.51143	0.95167	coiled-coil domain containing 107	Other	other
6461	RPL36A	0.469	5.136	0.51235	0.95167	ribosomal protein L36a	Cytoplasm	other
6462	RYK	0.387	5.648	0.51157	0.95167	receptor-like tyrosine kinase	Plasma Membrane	kinase
6463	MED8	0.307	6.289	0.51325	0.95167	mediator complex subunit 8	Nucleus	other
6464	WDR75	0.299	6.780	0.5128	0.95167	WD repeat domain 75	Nucleus	other
6465	SP1	0.265	7.044	0.51179	0.95167	Sp1 transcription factor	Nucleus	transcription regulator
6466	ATG12	0.246	7.13					

6468	EIF253	0.225	7.672	0.51344	0.95167	eukaryotic translation initiation factor 2, subunit 3 gamma, 52kDa	Cytoplasm	translation regulator
6469	HADHA	-0.220	8.115	0.51334	0.95167	hydroxyacyl-CoA dehydrogenase/3-ketoacyl-CoA thiolase/enoyl-CoA hydratase (trifunctional protein), alpha subunit	Cytoplasm	enzyme
6470	NDEL1	-0.245	7.739	0.51277	0.95167	nuclei neurodevelopment protein 1-like 1	Nucleus	other
6471	PKN2	-0.297	6.631	0.51288	0.95167	protein kinase N2	Cytoplasm	kinase
6472	STT3A	-0.342	8.026	0.51296	0.95167	STT3A, subunit of the oligosaccharyltransferase complex (catalytic)	Plasma Membrane	enzyme
6473	C1orf16	-0.354	5.930	0.51313	0.95167	chromosome 9 open reading frame 16	Other	other
6474	HN1L	-0.381	5.734	0.51341	0.95167	hematological and neurological expressed 1-like	Cytoplasm	other
6475	SLRP	-0.387	5.519	0.51269	0.95167	SLR stem-loop interacting RNA binding protein	Cytoplasm	other
6476	SFR1	-0.467	5.041	0.51321	0.95167	SWI5-dependent recombination repair 1	Nucleus	other
6477	PHLDA1	-0.564	6.838	0.51125	0.95167	pleckstrin homology-like domain, family A, member 1	Cytoplasm	other
6478	NGAMT2	-0.655	3.814	0.51275	0.95167	N-6 adenine-specific DNA methyltransferase 2 (putative)	Cytoplasm	enzyme
6479	ZBTB34	-0.703	4.605	0.51218	0.95167	zinc finger and BTB domain containing 34	Nucleus	other
6480	TAGLN	-0.914	3.679	0.51165	0.95167	transgelin	Cytoplasm	other
6481	VLDLR	-1.015	3.651	0.51277	0.95167	very low density lipoprotein receptor	Plasma Membrane	transporter
6482	TRGV2	-1.116	2.899	0.51199	0.95167	T cell receptor gamma variable 2	Other	other
6483	GLIPR1L1	-1.274	1.968	0.51174	0.95167	GLI pathogenesis-related 1 like 1	Cytoplasm	other
6484	LRRC46	-1.444	2.299	0.51288	0.95167	leucine rich repeat containing 46	Other	other
6485	FAM92A1	0.650	4.263	0.51358	0.95168	family with sequence similarity 92, member A1	Other	other
6486	SRR	0.627	3.881	0.51375	0.95168	serine racemase	Cytoplasm	enzyme
6487	CSNK2A2	-0.255	7.236	0.51367	0.95168	casein kinase 2, alpha prime polypeptide	Cytoplasm	kinase
6488	TSAC	-0.806	2.417	0.51377	0.95168	TSX66 activator co-chaperone	Cytoplasm	other
6489	TRAV1-1	1.252	2.365	0.51476	0.95232	T cell receptor alpha variable 1-1	Other	other
6490	BMP8B	1.072	2.568	0.51471	0.95232	bone morphogenetic protein 8b	Extracellular Space	growth factor
6491	GTFR2D2B	0.723	3.328	0.51504	0.95232	GTFR2 repeat domain containing 2	Other	other
6492	RPS17L	0.294	6.354	0.51475	0.95232	ribosomal protein S17	Cytoplasm	other
6493	METTL4	-0.380	5.747	0.51502	0.95232	methyltransferase like 4	Other	other
6494	RPS15A	-0.382	5.778	0.51489	0.95232	ribosomal protein S15a	Cytoplasm	other
6495	HDAC5	-0.385	5.706	0.51503	0.95232	histone deacetylase 5	Nucleus	transcription regulator
6496	ECE1	-0.424	5.955	0.51459	0.95232	endothelin converting enzyme 1	Plasma Membrane	peptidase
6497	LDLRAP1	-0.493	5.099	0.51506	0.95232	low density lipoprotein receptor adaptor protein 1	Cytoplasm	transporter
6498	SMOX	-0.536	5.488	0.51454	0.95232	spermine oxidase	Cytoplasm	enzyme
6499	MNR38	-0.670	3.608	0.51459	0.95232	mitochondrial ribosomal protein L38	Cytoplasm	other
6500	ABC86	-0.840	2.830	0.51474	0.95232	ATP-binding cassette, sub-family B (MDR/TAP), member 6 (Langerie blood group)	Cytoplasm	transporter
6501	BGAL17	0.555	5.213	0.51575	0.95242	xylosylprotein beta 1,4-galactosyltransferase, polypeptide 7	Cytoplasm	enzyme
6502	SGMS1	0.550	5.266	0.51615	0.95242	sphingomyelin synthase 1	Cytoplasm	enzyme
6503	RHDH13	0.498	4.879	0.51607	0.95242	retinol dehydrogenase 13 (all-trans/9-cis)	Cytoplasm	enzyme
6504	EHD4	0.431	5.453	0.51555	0.95242	EH-domain containing 4	Plasma Membrane	enzyme
6505	TNFRSF104	0.416	6.148	0.51607	0.95242	tumor necrosis factor receptor superfamily, member 10a	Plasma Membrane	transmembrane receptor
6506	RPL18A	0.379	5.488	0.51608	0.95242	ribosomal protein L18a	Cytoplasm	other
6507	DDX26B	0.379	6.075	0.51553	0.95242	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 26B	Nucleus	other
6508	C5orf24	0.325	6.264	0.51566	0.95242	chromosome 5 open reading frame 24	Other	other
6509	MSH6	0.301	7.182	0.51586	0.95242	mutS homolog 6	Nucleus	enzyme
6510	ZNF84	0.272	7.538	0.51535	0.95242	zinc finger protein 84	Cytoplasm	other
6511	ZNF672	-0.380	5.501	0.51591	0.95242	zinc finger protein 672	Other	other
6512	CYBS2D2	-0.647	4.179	0.51592	0.95242	cytochrome b5 domain containing 2	Extracellular Space	other
6513	SLC45A4	-0.945	3.156	0.51607	0.95242	solute carrier family 45, member 4	Other	other
6514	CLF2	0.350	5.937	0.51666	0.95312	cofilin 2 (muscle)	Extracellular Space	other
6515	RUSC1-AS1	0.558	4.621	0.51686	0.95341	RUSC1 antisense RNA 1	Other	other
6516	KIAAD247	0.351	6.038	0.51692	0.95341	sushi domain containing 6	Other	other
6517	ZNF829	0.627	4.155	0.51703	0.95346	zinc finger protein 829	Other	other
6518	SLC11A1	1.146	2.490	0.51977	0.95388	solute carrier family 11 (proton-coupled divalent metal ion transporter), member 1	Plasma Membrane	transporter
6519	MIR1296	1.026	1.922	0.51927	0.95388	microRNA 1296	Cytoplasm	microRNA
6520	PEBP1P3	0.968	3.837	0.52163	0.95388	phosphatidylethanolamine binding protein 1 pseudogene 3	Other	other
6521	TMEM150C	0.880	3.588	0.52324	0.95388	transmembrane protein 150C	Other	other
6522	SNORA66	0.839	2.736	0.52245	0.95388	small nucleolar RNA, H/ACA box 66	Other	other
6523	MSS51	0.790	3.560	0.52296	0.95388	MSS51 mitochondrial translational activator	Other	enzyme
6524	ALCAM	0.785	3.339	0.52084	0.95388	activated leukocyte cell adhesion molecule	Plasma Membrane	other
6525	RAX1BP1	0.726	4.228	0.52346	0.95388	interleukin-1 receptor-associated kinase 1 binding protein	Other	other
6526	PRKCE	0.723	3.955	0.51831	0.95388	protein kinase C, epsilon	Cytoplasm	kinase
6527	SETD8	0.671	3.201	0.52153	0.95388	SET domain containing (lysine methyltransferase) 8	Nucleus	enzyme
6528	CENPV	0.633	4.159	0.52381	0.95388	centromere protein V	Nucleus	other
6529	TMA16	0.606	3.981	0.51759	0.95388	translation machinery associated 16 homolog (S. cerevisiae)	Nucleus	other
6530	SCD	0.586	4.140	0.52033	0.95388	stearoyl-CoA desaturase (delta-9-desaturase)	Cytoplasm	enzyme
6531	HDDC3	0.574	4.430	0.52241	0.95388	HD domain containing 3	Other	other
6532	PTPN2P1	0.504	4.630	0.52009	0.95388	protein tyrosine phosphatase, non-receptor type 2 pseudogene 1	Other	other
6533	TGFBRA1P	0.430	6.487	0.52347	0.95388	transforming growth factor, beta receptor associated protein 1	Other	other
6534	IFT20	0.424	5.093	0.52021	0.95388	intraflagellar transport 20	Cytoplasm	other
6535	UPP	0.377	7.672	0.52089	0.95388	LIM domain containing preferred translocation partner in lipoma	Nucleus	other
6536	EFHA2	0.359	5.917	0.52226	0.95388	mitochondrial calcium uptake family, member 3	Other	other
6537	ZNF609	0.357	6.194	0.52164	0.95388	zinc finger protein 609	Nucleus	other
6538	RTF1	0.299	6.348	0.52194	0.95388	RTF1, PolI/RNA polymerase II complex component, homolog (S. cerevisiae)	Nucleus	other
6539	ZDHHC20	0.294	6.301	0.52356	0.95388	zinc finger, DHHC-type containing 20	Plasma Membrane	enzyme
6540	ZNF136	0.293	6.952	0.52168	0.95388	zinc finger protein 136	Nucleus	transcription regulator
6541	MAVS	0.293	6.496	0.52227	0.95388	mitochondrial antiviral signaling protein	Cytoplasm	other
6542	FAM214A	0.292	7.084	0.52108	0.95388	family with sequence similarity 214, member A	Other	other
6543	LRRCS8	0.280	7.117	0.51976	0.95388	leucine rich repeat containing 58	Other	other
6544	C15orf44	0.274	6.773	0.51859	0.95388	von Willebrand factor A domain containing 9	Cytoplasm	other
6545	TRAF3IP3	0.269	7.800	0.52283	0.95388	TRAF3 interacting protein 3	Other	other
6546	CALCOCO1	0.244	7.643	0.5216	0.95388	calcium binding and coiled-coil domain 1	Nucleus	transcription regulator
6547	PHF20	0.226	7.949	0.52133	0.95388	PHD finger protein 20	Nucleus	other
6548	ATRX	0.213	9.268	0.51926	0.95388	alpha thalassemia/mental retardation syndrome X-linked	Nucleus	transcription regulator
6549	SODCP	0.212	8.696	0.52386	0.95388	synedcan binding protein (synenin)	Plasma Membrane	enzyme
6550	PAPOLA	-0.212	8.410	0.51818	0.95388	poly(A) polymerase alpha	Nucleus	enzyme
6551	TNFAIP8	-0.227	8.645	0.52223	0.95388	tumor necrosis factor, alpha-induced protein 8	Cytoplasm	other
6552	DNAH11	-0.240	7.710	0.52054	0.95388	DnaI (Hsp40) homolog, subfamily B, member 11	Cytoplasm	other
6553	RPS6KB1	-0.243	7.117	0.52186	0.95388	ribosomal protein S6 kinase, 70kDa, polypeptide 1	Cytoplasm	kinase
6554	BRD4	-0.248	7.216	0.524	0.95388	bromodomain containing 4	Nucleus	kinase
6555	DEF6	-0.248	7.960	0.51861	0.95388	differentially expressed in FDCP 6 homolog (mouse)	Extracellular Space	other
6556	RPS24	-0.256	7.138	0.51983	0.95388	ribosomal protein S24	Cytoplasm	other
6557	APOBEC3C	-0.267	7.666	0.52063	0.95388	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3C	Other	enzyme
6558	RNF41	-0.267	7.617	0.5222	0.95388	ring finger protein 41, E3 ubiquitin protein ligase	Cytoplasm	enzyme
6559	SUMO1	-0.273	6.600	0.52362	0.95388	small ubiquitin-like modifier 1	Nucleus	enzyme
6560	IGD5-AS1	-0.281	6.819	0.52276	0.95388	IGD5 antisense RNA 1	Other	other
6561	HP55	-0.290	6.602	0.51898	0.95388	Hermansky-Pudlak syndrome 5	Cytoplasm	other
6562	IMP3	-0.296	6.315	0.52202	0.95388	IMP3, U3 small nucleolar ribonucleoprotein	Cytoplasm	other
6563	MCTP2	-0.313	6.311	0.52372	0.95388	multiple C2 domains, transmembrane 2	Other	other
6564	BTBD1	-0.316	6.553	0.51822	0.95388	BTB (POZ) domain containing 1	Cytoplasm	other
6565	MRPL47	-0.327	6.246	0.51772	0.95388	mitochondrial ribosomal protein L47	Cytoplasm	other
6566	SUMO3	-0.331	5.970	0.52262	0.95388	small ubiquitin-like modifier 3	Nucleus	other
6567	DESJ2	-0.338	6.370	0.51956	0.95388	desumoylating isopeptidase 2	Cytoplasm	other
6568	CRLS1	-0.351	6.177	0.52322	0.95388	cardiolipin synthase 1	Cytoplasm	enzyme
6569	BANP	-0.352	5.974	0.51839	0.95388	BTG3 associated nuclear protein	Nucleus	other
6570	C10orf128	-0.355	7.488	0.52144	0.95388	chromosome 10 open reading frame 128	Other	other
6571	C10orf137	-0.380	6.027	0.52216	0.95388	eynithoid differentiation regulatory factor 1	Other	other
6572	LMNBTL3	-0.380	5.609	0.52223	0.95388	(3)mbt-like 3 (Drosophila)	Nucleus	other
6573	PCID	-0.398	5.375	0.52357	0.95388	PC domain containing	Other	other
6574	C2orf69	-0.401	5.224	0.52334	0.95388	chromosome 2 open reading frame 69	Other	other
6575	MUS81	-0.409	6.008	0.52145	0.95388	MUS81 structure-specific endonuclease subunit	Nucleus	enzyme
6576	OGG1	-0.424	5.283	0.52392	0.95388	8-oxoguanine DNA glycosylase	Nucleus	enzyme
6577	TSC2D04	-0.461	4.754	0.52093	0.95388	TSC22 domain family, member 4	Nucleus	transcription regulator
6578	HSP90AB2	-0.479	4.724	0.5183	0.95388	heat shock protein 90kDa alpha (cytosolic), class B member 2, pseudogene	Cytoplasm	other
6579	PAWR	-0.512	5.364	0.5213	0.95388	PRKC, apoptosis, WT1, regulator	Nucleus	transcription regulator
6580	ATP6VOA1	-0.525	5.003	0.5211	0.95388	ATPase, H+ transporting, lysosomal VO subunit a1	Cytoplasm	transporter
6581	CDPF1	-0.544	4.664	0.5214	0.95388	cysteine-rich, DPF motif domain containing 1	Extracellular Space	other
6582	LINC00152	-0.549	4.182	0.52103	0.95388	long intergenic non-protein coding RNA 152	Other	other
6583	AUTS2	-0.603	4.459	0.52034	0.95388	autism susceptibility candidate 2	Nucleus	other
6584	CLIP2	-0.620	3.757	0.51946	0.95388	CAP-GLY domain containing linker protein 2	Cytoplasm	transcription regulator
6585	LMNB2	-0.645	3.771	0.52114	0.95388	lamin B2	Nucleus	other
6586	GNA4	-0.647	3.991	0.5219	0.95388	guanine nucleotide binding protein (G protein), beta polypeptide 4	Plasma Membrane	enzyme
6587	TAIF13	-0.647	3.614	0.52264	0.95388	TAIF13 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 18kDa	Nucleus	transcription regulator
6588	CENPB	-0.692	3.596	0.52377	0.95388	centromere protein B, 80kDa	Nucleus	other
6589	OSTF1P1	-0.698	3.211	0.52217	0.95388	osteoclast stimulating factor 1 pseudogene 1	Other	other
6590	LAP3P2	-0.716	3.130	0.52198	0.95388	leucine aminopeptidase 3 pseudogene 2	Other	other
6591	SELC1	-0.757	4.053	0.51843	0.95388	cytochrome c oxidase assembly factor 7 (putative)	Other	other
6592	DYNLT3P2	-0.812	2.787	0.51825	0.95388	dynein, light chain, Tctex-type 3 pseudogene 2	Other	other
6593	SNORD104	-0.872	2.516	0.52088	0.95388	small nucleolar RNA, C/D box 104	Other	other
6594	SLC48A1	-0.888	3.533	0.51744	0.95388	solute carrier family 48 (heme transporter), member 1	Other	other
6595	RPL31P52	-0.889	2.459	0.51842	0.95388	ribosomal protein L31 pseudogene 52	Other	other
6596	ATP1B1P1	-0.950	2.224	0.52297	0.95388	ATPase, Na+/K+ transporting, beta 1 polypeptide pseudogene 1		

6600	MAMSTR	-1.190	3.064	0.51813	0.95388	MEF2 activating motif and SAP domain containing transcriptional regulator	Nucleus	other
6601	TFAMP1	-1.203	1.828	0.519	0.95388	transcription factor A, mitochondrial pseudogene 1	Cytoplasm	transcription regulator
6602	YY2	-1.245	1.866	0.52353	0.95388	YY2 transcription factor	Other	other
6603	SLC22A5	-0.616	3.843	0.52429	0.95426	solute carrier family 22 (organic cation/carnitine transporter), member 5	Plasma Membrane	transporter
6604	TMEM185B	0.655	4.757	0.52451	0.95453	transmembrane protein 185B	Other	other
6605	EMC7	0.287	6.509	0.52492	0.95495	ER membrane protein complex subunit 7	Other	other
6606	PRKCD	-0.401	5.961	0.52493	0.95495	protein kinase C, delta	Cytoplasm	kinase
6607	CL4orf64	-1.065	3.802	0.52498	0.95495	long intergenic non-protein coding RNA 1550	Other	other
6608	HNRNPCL1	-0.634	3.306	0.52518	0.95507	heterogeneous nuclear ribonucleoprotein C-like 1	Nucleus	other
6609	PTBP1P	-0.820	2.919	0.52521	0.95507	polypyrimidine tract binding protein 1 pseudogene	Other	other
6610	MAL2	1.263	2.220	0.52542	0.95508	mal, T-cell differentiation protein 2 (gene/pseudogene)	Plasma Membrane	transporter
6611	PCNXL2	0.470	6.351	0.52541	0.95508	pecanex-like 2 (Drosophila)	Other	other
6612	XPNPEP1	-0.283	6.834	0.52545	0.95508	X-prolyl aminopeptidase (aminopeptidase P) 1, soluble	Cytoplasm	peptidase
6613	CCTBP1	-0.274	6.794	0.52559	0.95509	chaperonin containing TCP1, subunit 8 (theta) pseudogene 1	Other	other
6614	NAB1	-0.496	5.357	0.52578	0.95509	NGF-A binding protein 1 (EGF1 binding protein 1)	Nucleus	transcription regulator
6615	NECAP1P1	-0.651	2.872	0.52568	0.95509	NECAP endocytosis associated 1 pseudogene 1	Other	other
6616	TRAPPCL12	-0.767	2.979	0.52574	0.95509	TRAPPCL12 antisense RNA 1	Other	other
6617	MAP3K9	-0.986	4.299	0.526	0.95535	mitogen-activated protein kinase kinase kinase 9	Cytoplasm	kinase
6618	PPP1R10	-0.393	5.905	0.5262	0.95557	protein phosphatase 1, regulatory subunit 10	Nucleus	other
6619	ZNF238	0.669	4.081	0.52657	0.95596	zinc finger and BTB domain containing 18	Nucleus	transcription regulator
6620	PHF19	0.502	5.245	0.52666	0.95596	PHD finger protein 19	Nucleus	other
6621	SERPINF8	0.453	5.281	0.52696	0.95596	serpin peptidase inhibitor, clade B (ovalbumin), member 8	Cytoplasm	other
6622	GOLGA3	0.299	6.677	0.52726	0.95596	galglin A3	Cytoplasm	transporter
6623	DMTF1	0.245	8.566	0.5265	0.95596	cyclin D binding myb-like transcription factor 1	Nucleus	transcription regulator
6624	SELL	0.220	9.563	0.52705	0.95596	selectin L	Plasma Membrane	transmembrane receptor
6625	GIGYF2	-0.235	7.153	0.52711	0.95596	GRB10 interacting GYF protein 2	Cytoplasm	other
6626	PSMD7	-0.295	6.673	0.52732	0.95596	proteasome (prosome, macropain) 26S subunit, non-ATPase, 7	Cytoplasm	other
6627	WDR7	-0.341	6.352	0.52737	0.95596	WD repeat domain 7	Cytoplasm	other
6628	PDE6D	-0.350	5.944	0.52723	0.95596	phosphodiesterase 6D, cGMP-specific, rod, delta	Cytoplasm	enzyme
6629	PLSCR1	-0.378	6.274	0.52731	0.95596	phospholipid scramblase 1	Plasma Membrane	enzyme
6630	HAGH	-0.437	5.822	0.52677	0.95596	hydroxycylglutathione hydrolase	Cytoplasm	enzyme
6631	ZBTB80SP1	1.330	1.856	0.52777	0.95601	zinc finger and BTB domain containing 8 opposite strand pseudogene 1	Other	other
6632	MT-CYB	0.204	10.273	0.52779	0.95601	cytochrome b	Cytoplasm	enzyme
6633	SERPINF1	-0.231	7.338	0.52776	0.95601	serpin peptidase inhibitor, clade B (ovalbumin), member 1	Other	other
6634	LRP10	-0.235	7.534	0.52767	0.95601	low density lipoprotein receptor-related protein 10	Plasma Membrane	transmembrane receptor
6635	CL4orf102	-0.391	6.075	0.52747	0.95601	NRDE-2, necessary for RNA interference, domain containing	Other	other
6636	BEND5	1.200	2.903	0.52814	0.95632	BEN domain containing 5	Cytoplasm	other
6637	TCP11L2	0.470	6.692	0.52826	0.95632	t-complex 11, testis-specific-like 2	Other	other
6638	ZNF675	0.392	5.384	0.52849	0.95632	zinc finger protein 675	Nucleus	transcription regulator
6639	DEDD	0.280	6.397	0.52836	0.95632	death effector domain containing	Nucleus	other
6640	BOD1L1	0.221	8.801	0.52852	0.95632	biorientation of chromosomes in cell division 1-like 1	Nucleus	other
6641	HIF1A	0.202	8.948	0.52842	0.95632	hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	Nucleus	transcription regulator
6642	CYB561D2	-0.314	6.190	0.52829	0.95632	cytochrome b561 family, member D2	Other	enzyme
6643	AMN1	0.542	4.117	0.52898	0.95642	antagonist of mitotic exit network 1 homolog (S. cerevisiae)	Plasma Membrane	other
6644	FXD1	0.472	5.386	0.52823	0.95642	ferredoxin 1	Cytoplasm	transporter
6645	RRP8	0.340	6.179	0.52889	0.95642	ribosomal RNA processing 8, methyltransferase, homolog (yeast)	Nucleus	enzyme
6646	TARDBP	-0.252	6.979	0.52933	0.95642	TAR DNA binding protein	Nucleus	transcription regulator
6647	DNAH14	-0.274	7.472	0.52927	0.95642	DnaI (Hsp40) homolog, subfamily B, member 14	Other	enzyme
6648	CHMP3	-0.288	6.350	0.52913	0.95642	charged multivesicular body protein 3	Cytoplasm	other
6649	MRS2	-0.409	5.693	0.52902	0.95642	MRS2 magnesium transporter	Cytoplasm	transporter
6650	LSM12P1	-0.589	3.742	0.52933	0.95642	LSM12 pseudogene 1	Other	other
6651	GAB1	-0.802	4.167	0.52937	0.95642	GRB2-associated binding protein 1	Cytoplasm	other
6652	AXIN2	-1.066	3.111	0.52892	0.95642	axin 2	Cytoplasm	other
6653	THUMP2	-0.491	4.734	0.52959	0.95666	THUMP domain containing 2	Other	enzyme
6654	AP5S1	0.562	4.646	0.53007	0.95672	adaptor-related protein complex 5, sigma 1 subunit	Cytoplasm	other
6655	SON	0.202	9.808	0.53016	0.95672	SON DNA binding protein	Nucleus	other
6656	UROD	-0.257	6.770	0.53005	0.95672	urophyllinogen decarboxylase	Cytoplasm	enzyme
6657	TRAPPC4	-0.296	6.584	0.52983	0.95672	trafficking protein particle complex 4	Cytoplasm	other
6658	SLC35B2	-0.349	5.745	0.52999	0.95672	solute carrier family 35 (adenosine 3'-phospho 5'-phosphosulfate transporter), member B2	Cytoplasm	transporter
6659	METTL15	-0.540	4.232	0.53002	0.95672	methyltransferase like 15	Other	other
6660	RAB32	-0.885	3.029	0.53017	0.95672	RAB32, member RAS oncogene family	Cytoplasm	enzyme
6661	ZC3H12A	-0.361	7.507	0.53026	0.95673	zinc finger CCHC-type containing 12A	Cytoplasm	other
6662	FBXL5	0.212	8.144	0.53051	0.95704	F-box and leucine-rich repeat protein 5	Cytoplasm	enzyme
6663	FAM228B	-0.527	4.606	0.53079	0.9574	family with sequence similarity 228, member B	Other	other
6664	LMAN2	0.293	7.928	0.53087	0.9574	lectin, mannose-binding 2	Cytoplasm	transporter
6665	STK39	0.462	4.874	0.53102	0.95746	serine threonine kinase 39	Nucleus	kinase
6666	PSMC2	-0.271	7.551	0.53106	0.95746	proteasome (prosome, macropain) 26S subunit, ATPase, 2	Nucleus	peptidase
6667	DDX24	0.212	8.475	0.53134	0.95753	DEAD (Asp-Glu-Ala-Asp) box helicase 24	Nucleus	enzyme
6668	YY1	-0.238	8.038	0.53131	0.95753	YY1 transcription factor	Nucleus	transcription regulator
6669	ELOVL1	-0.505	6.086	0.53126	0.95753	ELOVL fatty acid elongase 1	Cytoplasm	enzyme
6670	PIEZO1	0.339	6.705	0.5315	0.95768	piezo-type mechanosensitive ion channel component 1	Cytoplasm	ion channel
6671	ASF1B	1.008	3.396	0.53175	0.95777	anti-silencing function 18 histone chaperone	Nucleus	other
6672	OMG	0.779	3.866	0.53188	0.95777	oligodendrocyte myelin glycoprotein	Plasma Membrane	G-protein coupled receptor
6673	CCDC14	0.340	6.397	0.53199	0.95777	coiled-coil domain containing 14	Cytoplasm	other
6674	CLOCK	-0.270	6.617	0.53198	0.95777	clock circadian regulator	Nucleus	transcription regulator
6675	SPATA21	-1.191	2.045	0.53203	0.95777	spermatogenesis associated 21	Other	other
6676	ROBO3	-1.312	2.053	0.53198	0.95777	roundabout, axon guidance receptor, homolog 3 (Drosophila)	Plasma Membrane	transmembrane receptor
6677	ARPC3	-0.250	6.819	0.53211	0.95777	actin related protein 2/3 complex, subunit 3, 21kDa	Cytoplasm	other
6678	GBE1	0.479	6.138	0.53247	0.95784	glucan (1,4-alpha)-, branching enzyme 1	Cytoplasm	enzyme
6679	RCD1	-0.328	5.935	0.53239	0.95784	RCD1 required for cell differentiation1 homolog (S. pombe)	Cytoplasm	other
6680	NODAL	-0.530	5.163	0.53234	0.95784	nucleolar complex associated 4 homolog (S. cerevisiae)	Nucleus	other
6681	SLCO4C1	-1.248	2.244	0.53246	0.95784	solute carrier organic anion transporter family, member 4C1	Plasma Membrane	transporter
6682	SYNGAP1	-1.106	2.367	0.53264	0.958	synaptic Ras GTPase activating protein 1	Plasma Membrane	other
6683	FUNDC1	0.703	4.454	0.53389	0.9581	FUN14 domain containing 1	Cytoplasm	other
6684	FAM213B	0.676	4.098	0.53379	0.9581	family with sequence similarity 213, member B	Cytoplasm	enzyme
6685	PRKACA	0.669	3.897	0.53384	0.9581	protein kinase, cAMP-dependent, catalytic, alpha	Cytoplasm	kinase
6686	ZNF382	0.481	4.803	0.53342	0.9581	zinc finger protein 382	Nucleus	transcription regulator
6687	SUCLG2	0.480	5.831	0.5339	0.9581	succinate-CoA ligase, GDP-forming, beta subunit	Cytoplasm	enzyme
6688	GLUD2	0.392	5.458	0.53364	0.9581	glutamate dehydrogenase 2	Cytoplasm	enzyme
6689	C12orf29	0.349	5.865	0.53338	0.9581	chromosome 12 open reading frame 29	Other	other
6690	POLR2H	0.291	6.615	0.53292	0.9581	polymerase (RNA) II (DNA directed) polypeptide H	Nucleus	enzyme
6691	LMAN1	0.265	7.757	0.53358	0.9581	lectin, mannose-binding, 1	Cytoplasm	other
6692	MBNL1	0.216	9.446	0.53397	0.9581	muscleblind-like splicing regulator 1	Nucleus	other
6693	SRT	-0.285	7.028	0.53324	0.9581	serate, RNA effector molecule	Nucleus	other
6694	EXOC5	-0.295	6.780	0.53344	0.9581	exocyst complex component 5	Cytoplasm	other
6695	DNAIC16	-0.455	4.820	0.53343	0.9581	DnaI (Hsp40) homolog, subfamily C, member 16	Other	other
6696	MRT04	-0.462	5.167	0.53302	0.9581	mRNA turnover 4 homolog (S. cerevisiae)	Cytoplasm	other
6697	TIAM2	-0.579	4.204	0.53346	0.9581	T-cell lymphoma invasion and metastasis 2	Cytoplasm	enzyme
6698	MARK4	-0.795	3.073	0.53319	0.9581	MAP/microtubule affinity-regulating kinase 4	Cytoplasm	kinase
6699	C19orf10	0.302	7.102	0.53407	0.95814	myeloid-derived growth factor	Extracellular Space	cytokine
6700	RBM14-RB	-1.036	2.029	0.53428	0.95837	RBM14-RBM4 readthrough	Other	other
6701	FAM45A	0.572	4.271	0.53506	0.95844	family with sequence similarity 45, member A	Other	other
6702	TMEM189	0.504	5.244	0.53503	0.95844	transmembrane protein 189	Other	other
6703	CCDC23	0.490	4.417	0.53498	0.95844	coiled-coil domain containing 23	Other	other
6704	ZFYVE9	0.463	4.823	0.53467	0.95844	zinc finger, FYVE domain containing 9	Cytoplasm	peptidase
6705	TIMM21	-0.322	6.079	0.53512	0.95844	translocase of inner mitochondrial membrane 21 homolog (yeast)	Cytoplasm	other
6706	DHRS4-AS1	-0.365	5.718	0.53495	0.95844	DHRS4 antisense RNA 1	Other	other
6707	PCBD1	-0.571	4.013	0.53478	0.95844	pterin-4 alpha-carbinolamine dehydratase/dimerization cofactor of hepatocyte nuclear factor 1 alpha	Nucleus	transcription regulator
6708	TRAK1	-0.586	5.013	0.5347	0.95844	trafficking protein, kinesin binding 1	Nucleus	other
6709	FAM86EP	-0.743	2.848	0.53466	0.95844	family with sequence similarity 86, member A pseudogene	Other	other
6710	ARMC10P1	-0.803	3.041	0.53454	0.95844	armadillo repeat containing 10 pseudogene 1	Other	other
6711	GPRIN1	1.163	2.211	0.53729	0.95853	G protein regulated inducer of neurite outgrowth 1	Plasma Membrane	other
6712	CENPE	0.953	2.779	0.53813	0.95853	centromere protein E, 312kDa	Nucleus	other
6713	ACTL10	0.940	2.733	0.53695	0.95853	actin-like 10	Extracellular Space	other
6714	C6orf57	0.868	2.317	0.53747	0.95853	succinate dehydrogenase complex assembly factor 4	Cytoplasm	other
6715	RAB27B	0.856	3.861	0.53825	0.95853	RAB27B, member RAS oncogene family	Cytoplasm	enzyme
6716	PRDM11	0.845	3.122	0.53831	0.95853	PR domain containing 11	Other	other
6717	BBS12	0.779	3.403	0.53852	0.95853	Bardet-Biedl syndrome 12	Extracellular Space	other
6718	MAPKAP2	0.632	3.506	0.53821	0.95853	mitogen-activated protein kinase-activated protein kinase 2	Nucleus	kinase
6719	SCAN21	0.622	4.283	0.53567	0.95853	zinc finger and SCAN domain containing 21	Nucleus	transcription regulator
6720	RAP1AP	0.581	3.452	0.53826	0.95853	RAP1A, member of RAS oncogene family pseudogene	Other	other
6721	ATP11A	0.579	4.348	0.53615	0.95853	ATPase, class VI, type 11A	Plasma Membrane	transporter
6722	FOXK1	0.538	4.907	0.53832	0.95853	forkhead box K1	Nucleus	transcription regulator
6723	RAD51B	0.482	4.848	0.53573	0.95853	RAD51, paralogs 8	Nucleus	enzyme
6724	TSYND1	0.452	5.248	0.53605	0.95853	trypsin domain containing 1	Cytoplasm	peptidase
6725	LENG1	0.447	4.986	0.53821	0.95853	leukocyte receptor cluster (LRC) member 1	Other	other
6726	TSEN34	0.408	5.162	0.53797	0.95853	TSEN34 tRNA splicing endonuclease subunit	Nucleus	enzyme
6727	VRK1	0.339	6.074	0.53793	0.95853	vaccinia related kinase 1	Nucleus	kinase
6728	TRIM14	0.334	6.401					

6732	RASA2	0.250	7.623	0.5378	0.95853	RAS p21 protein activator 2	Cytoplasm	other
6733	ARMHC	0.246	7.405	0.53564	0.95853	armadillo repeat containing 8	Nucleus	other
6734	CDC80C8C	0.245	7.133	0.53553	0.95853	coiled-coil domain containing 88C	Cytoplasm	other
6735	RSRC2	0.217	8.093	0.53679	0.95853	arginine/serine-rich coiled-coil 2	Other	other
6736	GTF2F1	-0.229	7.192	0.53837	0.95853	general transcription factor IIF, polypeptide 1, 74kDa	Nucleus	transcription regulator
6737	UBE2J1	-0.234	7.886	0.53718	0.95853	ubiquitin-conjugating enzyme E2, J1	Cytoplasm	enzyme
6738	CUEDC2	-0.251	6.874	0.53642	0.95853	CUE domain containing 2	Extracellular Space	other
6739	FBP2	-0.282	6.830	0.53641	0.95853	PK56 binding protein 2, 23kDa	Cytoplasm	enzyme
6740	LCMT1	-0.292	6.279	0.53844	0.95853	lysine carboxyl methyltransferase 1	Cytoplasm	enzyme
6741	HSBP1	-0.300	6.336	0.53814	0.95853	heat shock factor binding protein 1	Nucleus	transcription regulator
6742	KIAA0922	-0.304	7.305	0.53551	0.95853	KIAA0922	Other	other
6743	TMUB1	-0.396	5.543	0.5359	0.95853	transmembrane and ubiquitin-like domain containing 1	Extracellular Space	other
6744	DNAJC4	-0.419	5.560	0.5378	0.95853	DnaJ (Hsp40) homolog, subfamily C, member 4	Cytoplasm	other
6745	SMARCA11	-0.452	5.335	0.53575	0.95853	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	Nucleus	enzyme
6746	ZBTB49	-0.489	5.256	0.53769	0.95853	zinc finger and BTB domain containing 49	Nucleus	other
6747	USP8P1	-0.562	4.202	0.53746	0.95853	ubiquitin specific peptidase 8 pseudogene 1	Other	other
6748	CDC102A	-0.597	4.402	0.53588	0.95853	coiled-coil domain containing 102A	Other	other
6749	GHDG	-0.675	4.740	0.53599	0.95853	GH3 domain containing	Cytoplasm	other
6750	CTU2	-0.719	4.032	0.53662	0.95853	cytosolic thiouridylase subunit 2 homolog (S. pombe)	Cytoplasm	other
6751	BTSP13	-0.799	2.478	0.53604	0.95853	basic transcription factor 3 pseudogene 13	Other	other
6752	NCF1C	-0.852	2.690	0.53648	0.95853	neutrophil cytosolic factor 1C pseudogene	Cytoplasm	enzyme
6753	TGOLN2	0.199	8.370	0.53873	0.95876	trans-golgi network protein 2	Cytoplasm	other
6754	PPP3CB	-0.401	6.021	0.5388	0.95876	protein phosphatase 3, catalytic subunit, beta isozyme	Plasma Membrane	phosphatase
6755	RAB11FIP2	-0.422	5.768	0.53913	0.95877	RAB11 family interacting protein 2 (class I)	Cytoplasm	other
6756	C17orf89	-0.466	4.937	0.53905	0.95877	chromosome 17 open reading frame 89	Cytoplasm	other
6757	GNP3	-0.539	5.252	0.53905	0.95877	GNP-loop GTPase 3	Cytoplasm	other
6758	ZNF662	-0.804	2.826	0.53902	0.95877	zinc finger protein 662	Other	other
6759	SCN1B	1.187	2.051	0.54179	0.95882	sodium channel, voltage gated, type I beta subunit	Plasma Membrane	ion channel
6760	WASIR2	0.730	3.037	0.54059	0.95882	WASH and IL9R antisense RNA 2	Other	other
6761	ST3GAL3	0.655	3.304	0.54144	0.95882	ST3 beta-galactoside alpha-2,3-sialyltransferase 3	Cytoplasm	enzyme
6762	SS18L1	0.615	4.221	0.54162	0.95882	synovial sarcoma translocation gene on chromosome 18-like 1	Nucleus	transcription regulator
6763	C4orf21	0.248	5.080	0.54108	0.95882	Other	Other	other
6764	ALKB9B	0.478	3.365	0.5408	0.95882	alkB, alkylation repair homolog 8 (E. coli)	Cytoplasm	enzyme
6765	TXBAS1	0.417	6.477	0.54093	0.95882	thrombospondin synthase 1 (platelet)	Plasma Membrane	enzyme
6766	NF2	0.407	5.467	0.54008	0.95882	neurofibromin 2 (merlin)	Plasma Membrane	other
6767	RHNO1	0.400	5.316	0.54156	0.95882	RAD9-HUS1-RAD3 interacting nuclear orphan 1	Nucleus	other
6768	DCAF16	0.360	6.576	0.54057	0.95882	DOB1 and CUL4 associated factor 16	Other	other
6769	CWF19L2	0.307	6.600	0.54144	0.95882	CWF19-like 2, cell cycle control (S. pombe)	Other	other
6770	ANXA2R	0.294	6.493	0.54174	0.95882	annexin A2 receptor	Plasma Membrane	other
6771	OSBPL2	0.284	6.469	0.54035	0.95882	oxysterol binding protein-like 2	Cytoplasm	other
6772	ELF2	0.268	6.980	0.54135	0.95882	E74-like factor 2 (ets domain transcription factor)	Nucleus	transcription regulator
6773	CNOT4	0.260	6.974	0.54124	0.95882	CCR4-NOT transcription complex, subunit 4	Cytoplasm	enzyme
6774	EDH1	0.259	7.542	0.53938	0.95882	enhancer of zeste 1 polycomb repressive complex 2 subunit	Nucleus	enzyme
6775	PSMG2	0.248	7.073	0.53957	0.95882	proteasome (prosome, macropain) assembly chaperone 2	Nucleus	other
6776	COPB8	0.248	7.210	0.53952	0.95882	COP9 signalosome subunit 8	Nucleus	other
6777	ZFCH1	0.224	7.614	0.53962	0.95882	zinc finger, C3H1-type containing	Extracellular Space	other
6778	TRIM27	-0.230	7.796	0.54119	0.95882	tripartite motif containing 27	Nucleus	transcription regulator
6779	TRDC	-0.251	7.322	0.5407	0.95882	T cell receptor delta constant	Other	other
6780	CNC	-0.261	6.876	0.54092	0.95882	cyclin C	Nucleus	other
6781	MAP7D1	-0.278	6.573	0.54014	0.95882	MAP7 domain containing 1	Cytoplasm	other
6782	SDAD1	-0.285	6.486	0.54157	0.95882	SDA1 domain containing 1	Nucleus	other
6783	WDR70	-0.459	5.671	0.54163	0.95882	WD repeat domain 70	Other	other
6784	CETN2	-0.554	4.313	0.54108	0.95882	centrin, EF-hand protein, 2	Nucleus	enzyme
6785	UBXN6	-0.614	4.304	0.54087	0.95882	UBX domain protein 6	Cytoplasm	other
6786	ATF3	-0.637	4.274	0.54037	0.95882	activating transcription factor 3	Nucleus	transcription regulator
6787	RLN2	-0.687	3.122	0.54092	0.95882	relaxin 2	Extracellular Space	other
6788	MEITL20	-0.708	4.173	0.54027	0.95882	methyltransferase like 20	Cytoplasm	other
6789	PKIG	-0.784	4.262	0.53956	0.95882	protein kinase (cAMP-dependent, catalytic) inhibitor gamma	Other	other
6790	DFNB59	-0.840	2.456	0.53944	0.95882	deafness, autosomal recessive 59	Other	other
6791	EFCAB11	-1.022	3.184	0.54156	0.95882	EF-hand calcium binding domain 11	Other	other
6792	SRSF11	0.198	9.501	0.54193	0.95893	serine/arginine-rich splicing factor 11	Nucleus	other
6793	ZNF786	0.389	5.678	0.54215	0.95896	zinc finger protein 786	Nucleus	other
6794	SDHD	-0.267	6.761	0.54219	0.95896	succinate dehydrogenase complex, subunit D, integral membrane protein	Cytoplasm	enzyme
6795	ENOSF1	-0.336	6.564	0.54215	0.95896	enolase superfamily member 1	Other	enzyme
6796	SHROOM1	1.164	2.686	0.54256	0.95924	shroom family member 1	Other	other
6797	UQCRR	-0.285	6.185	0.54256	0.95924	ubiquinol-cytochrome c reductase hinge protein	Cytoplasm	enzyme
6798	DNAJA3	-0.295	6.628	0.54259	0.95924	DnaJ (Hsp40) homolog, subfamily A, member 3	Cytoplasm	other
6799	ARAF	-0.440	6.647	0.54282	0.95952	A-Raf proto-oncogene, serine/threonine kinase	Cytoplasm	kinase
6800	PTDS2	0.752	3.672	0.54612	0.95957	phosphatidylserine synthase 2	Cytoplasm	enzyme
6801	PPP1R3F	0.663	3.816	0.54387	0.95957	protein phosphatase 1, regulatory subunit 3F	Other	other
6802	VPS37B	0.490	4.642	0.54419	0.95957	vacuolar protein sorting 37 homolog B (S. cerevisiae)	Cytoplasm	other
6803	SDCCAG3	0.435	5.135	0.54397	0.95957	serologically defined colon cancer antigen 3	Cytoplasm	other
6804	IIFT52	0.410	5.475	0.54383	0.95957	intracellular transport 52	Cytoplasm	other
6805	AUH	0.384	5.348	0.54597	0.95957	AU RNA binding protein/enoyl-CoA hydratase	Cytoplasm	enzyme
6806	SLC35E2B	0.367	5.566	0.54645	0.95957	solute carrier family 35, member E2B	Other	other
6807	OXSR1	0.288	6.387	0.54644	0.95957	oxidative stress responsive 1	Nucleus	kinase
6808	STX10	0.267	6.653	0.5441	0.95957	syntaxin 10	Cytoplasm	other
6809	TTC14	0.257	7.414	0.54643	0.95957	tetratricopeptide repeat domain 14	Other	other
6810	IKZF5	0.251	6.934	0.54563	0.95957	IKAROS family zinc finger 5 (Pegasus)	Nucleus	other
6811	SASH3	0.242	7.729	0.54442	0.95957	SAM and SH3 domain containing 3	Cytoplasm	other
6812	AP3B1	0.239	7.429	0.54645	0.95957	adaptor-related protein complex 3, beta 1 subunit	Plasma Membrane	transporter
6813	RPL34	0.222	7.192	0.54655	0.95957	ribosomal protein L34	Cytoplasm	other
6814	PARP4	0.219	7.944	0.54447	0.95957	poly (ADP-ribose) polymerase family, member 4	Cytoplasm	enzyme
6815	IAK1	0.201	9.720	0.54365	0.95957	Janus kinase 1	Cytoplasm	kinase
6816	RPS6	0.199	9.159	0.54522	0.95957	ribosomal protein S6	Cytoplasm	other
6817	IL7R	0.197	10.674	0.54526	0.95957	interleukin 7 receptor	Plasma Membrane	transmembrane receptor
6818	CLIP1	-0.214	7.617	0.54494	0.95957	CAP-GLY domain containing linker protein 1	Cytoplasm	other
6819	FAM48A	-0.226	7.783	0.54637	0.95957	suppressor of Ty 20 homolog (S. cerevisiae)	Nucleus	other
6820	ATMIN	-0.231	6.959	0.54424	0.95957	ATM interactor	Nucleus	other
6821	NSMAF	-0.235	7.376	0.54475	0.95957	neutral sphingomyelinase (N-SMase) activation associated factor	Cytoplasm	other
6822	GDI1	-0.271	7.261	0.5456	0.95957	GDP dissociation inhibitor 1	Cytoplasm	other
6823	SMURF2	-0.286	6.696	0.54361	0.95957	SMAD specific E3 ubiquitin protein ligase 2	Cytoplasm	enzyme
6824	LYPLA2	-0.290	6.388	0.54574	0.95957	lysophospholipase II	Cytoplasm	enzyme
6825	TMEIM4B	-0.291	6.181	0.54365	0.95957	transmembrane protein 14B	Other	other
6826	PAICS	-0.298	6.298	0.54668	0.95957	phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase	Cytoplasm	enzyme
6827	INSIG2	-0.312	6.371	0.5444	0.95957	insulin induced gene 2	Cytoplasm	other
6828	RABGAP1	-0.339	6.614	0.54357	0.95957	RAB GTPase activating protein 1	Cytoplasm	other
6829	POU2F1	-0.345	5.604	0.54559	0.95957	POU class 2 homeobox 1	Nucleus	transcription regulator
6830	ETFDH	-0.376	5.999	0.54429	0.95957	electron-transferring-flavoprotein dehydrogenase	Cytoplasm	enzyme
6831	ZNF498	-0.386	5.235	0.54614	0.95957	zinc finger and SCAN domain containing 25	Other	other
6832	C10orf32	-0.435	5.152	0.54468	0.95957	chromosome 10 open reading frame 32	Other	other
6833	SSBP3	-0.471	4.945	0.54434	0.95957	single stranded DNA binding protein 3	Nucleus	transcription regulator
6834	C2CD2	-0.496	4.749	0.54594	0.95957	C2 calcium-dependent domain containing 2	Cytoplasm	other
6835	GMPPA	-0.517	5.979	0.54573	0.95957	GDP-mannose pyrophosphorylase A	Cytoplasm	enzyme
6836	FUK	-0.543	4.573	0.54648	0.95957	fukukinase	Other	kinase
6837	O2-mars	-0.555	5.015	0.54558	0.95957	Other	Other	other
6838	NPM1P6	-0.579	3.321	0.54618	0.95957	nucleophosmin 1 (nucleolar phosphoprotein P23, numatrin) pseudogene 6	Other	other
6839	CYCP2	-0.599	3.993	0.54668	0.95957	synaptonemal complex protein 2	Nucleus	other
6840	BIK	-0.726	3.987	0.54628	0.95957	BCL2-interacting killer (apoptosis-inducing)	Cytoplasm	other
6841	EPB41L2	-0.771	3.197	0.54445	0.95957	erythrocyte membrane protein band 4.1-like 2	Plasma Membrane	other
6842	AURKA	-0.839	3.573	0.54432	0.95957	aurora kinase A	Nucleus	kinase
6843	ZNF35	-0.926	3.604	0.54401	0.95957	zinc finger protein 35	Nucleus	transcription regulator
6844	ZNF835	-0.927	2.569	0.54329	0.95957	zinc finger protein 835	Other	other
6845	ZNF19	-0.959	3.796	0.5444	0.95957	zinc finger protein 19	Nucleus	transcription regulator
6846	CDKL3	-0.969	2.235	0.54538	0.95957	cyclin-dependent kinase-like 3	Cytoplasm	kinase
6847	FAM186B	-1.206	2.019	0.54641	0.95957	family with sequence similarity 186, member B	Other	other
6848	ZBTB5	0.517	5.340	0.54683	0.95957	zinc finger and BTB domain containing 5	Nucleus	other
6849	EIF2C1	0.358	5.636	0.54684	0.95957	argonaute RISC catalytic component 1	Cytoplasm	translation regulator
6850	VPS11	0.389	6.563	0.54692	0.95957	vacuolar protein sorting 11 homolog (S. cerevisiae)	Other	transporter
6851	P2RX1	1.156	1.891	0.54738	0.95985	purinergic receptor P2X, ligand gated ion channel, 1	Plasma Membrane	ion channel
6852	PECR	0.595	3.903	0.54779	0.95985	peroxisomal trans-2-enoyl-CoA reductase	Cytoplasm	enzyme
6853	OLEU1	0.577	4.394	0.54731	0.95985	deleted in lymphocytic leukemia 1 (non-protein coding)	Other	other
6854	FAM134B	0.439	5.111	0.54765	0.95985	family with sequence similarity 134, member B	Cytoplasm	other
6855	CENPT	0.435	6.511	0.54801	0.95985	centromere protein T	Cytoplasm	other
6856	WIP2	0.317	6.537	0.54913	0.95985	WD repeat domain, phosphoinositide interacting 2	Cytoplasm	other
6857	RPL3P2	0.296	6.126	0.54903	0.95985	ribosomal protein L3 pseudogene 2	Other	other
6858	TADA3	0.272	6.423	0.54924	0.95985	transcriptional adaptor 3	Nucleus	transcription regulator
6859	BACH1	0.237	6.994	0.54916	0.95985	BTB and CNC homology 1, basic leucine zipper transcription factor 1	Nucleus	transcription regulator
6860	RPL13P12	0.214	7.701	0.54769	0.95985	ribosomal protein L13 pseudogene 12	Other	other
6861	RNR2	0.214	7.953	0.54884	0.95985	S		

6864	S100A6	-0.235	7.552	0.549	0.95985	S100 calcium binding protein A6	Cytoplasm	transporter
6865	DERL1	-0.255	7.214	0.54768	0.95985	derlin 1	Cytoplasm	other
6866	CTBS	-0.291	6.200	0.54867	0.95985	chitinase, di-N-acetyl-	Cytoplasm	enzyme
6867	PSPC1	-0.305	6.417	0.54782	0.95985	paraspeckle component 1	Nucleus	other
6868	GNP1	-0.332	6.745	0.54901	0.95985	GNP-loop GTPase 1	Nucleus	transcription regulator
6869	USP21	-0.398	5.392	0.54909	0.95985	ubiquitin specific peptidase 21	Cytoplasm	peptidase
6870	ALG11	-0.447	5.234	0.54868	0.95985	ALG11, alpha-1,2-mannosyltransferase	Other	other
6871	UTP14A	-0.460	4.890	0.54978	0.95985	UTP14, U3 small nuclear ribonucleoprotein, homolog A (yeast)	Nucleus	other
6872	TNFRSF12A	-0.463	4.964	0.54901	0.95985	tumor necrosis factor receptor superfamily, member 12A	Plasma Membrane	transmembrane receptor
6873	PAZGAP2	-0.522	4.039	0.54724	0.95985	proliferation-associated 2G4 pseudogene 2	Other	other
6874	RPUSD1	-0.535	5.330	0.54922	0.95985	RNA pseudouridylylate synthase domain containing 1	Other	enzyme
6875	SOLH	-0.561	4.003	0.54808	0.95985	calpain 15	Other	peptidase
6876	UBE2V1	-0.625	3.751	0.5492	0.95985	ubiquitin-conjugating enzyme E2 variant 1	Nucleus	transcription regulator
6877	PCOLCE	-1.152	2.083	0.54821	0.95985	procollagen C-endopeptidase enhancer	Extracellular Space	other
6878	FAM127A	0.407	5.017	0.54939	0.95997	family with sequence similarity 127, member A	Plasma Membrane	other
6879	TNIP2	-0.291	7.125	0.54964	0.96022	TNFAIP3 interacting protein 2	Cytoplasm	other
6880	NOTCH2	-0.299	6.892	0.54977	0.96022	notch 2	Plasma Membrane	transcription regulator
6881	ZMYM4	-0.356	5.673	0.54986	0.96022	zinc finger, MYM-type 4	Nucleus	other
6882	MRPL4	-0.428	4.838	0.54993	0.96022	mitochondrial ribosomal protein L4	Cytoplasm	other
6883	C10orf88	-0.512	4.289	0.54972	0.96022	chromosome 10 open reading frame 88	Other	other
6884	ASMTL	-0.294	6.383	0.55005	0.96029	acetylserotonin O-methyltransferase-like	Cytoplasm	enzyme
6885	FAM208A	-0.231	7.889	0.55022	0.96046	family with sequence similarity 208, member A	Other	other
6886	SHF	0.916	2.909	0.55035	0.96054	Src homology 2 domain containing E	Cytoplasm	other
6887	MED25	0.636	3.617	0.55007	0.96087	mediator complex subunit 25	Nucleus	other
6888	TRA2A	0.240	6.939	0.55066	0.96087	transformer 2 alpha homolog (Drosophila)	Nucleus	other
6889	RPL30	0.214	7.475	0.55095	0.96117	ribosomal protein L30	Cytoplasm	other
6890	KANSL3	0.257	7.315	0.55105	0.96121	KAT8 regulatory NSL complex subunit 3	Nucleus	other
6891	ALDOAP1	0.799	2.304	0.55152	0.96133	aldolase A, fructose-bisphosphate pseudogene 1	Other	other
6892	RHOB	0.728	3.696	0.55128	0.96133	ras homolog family member 8	Cytoplasm	enzyme
6893	DPY19L1	0.453	5.345	0.5516	0.96133	dpy-19-like 1 (C. elegans)	Other	other
6894	SOC55	0.407	5.196	0.55159	0.96133	suppressor of cytokine signaling 5	Extracellular Space	cytokine
6895	STAM2	-0.403	5.424	0.55136	0.96133	signal transducing adaptor molecule (SH3 domain and ITAM motif) 2	Cytoplasm	other
6896	C20orf24	-0.418	4.960	0.5514	0.96133	chromosome 20 open reading frame 24	Cytoplasm	other
6897	TOXAP1	-0.517	4.058	0.55179	0.96152	TOX high mobility group box family member 4 pseudogene 1	Other	other
6898	PREP	-0.329	6.345	0.55207	0.96186	prolyl endopeptidase	Cytoplasm	peptidase
6899	R3HCC1	0.308	6.352	0.55219	0.96194	R3H domain and coiled-coil containing 1	Other	other
6900	CR1	1.250	2.666	0.5525	0.96205	complement component (3b/4b) receptor 1 (Knops blood group)	Plasma Membrane	transmembrane receptor
6901	SUCLA2P1	0.699	2.695	0.55447	0.96205	succinate-CoA ligase, ADP-forming, beta subunit pseudogene 1	Other	other
6902	FZD6	0.668	4.339	0.55497	0.96205	frizzled class receptor 6	Plasma Membrane	G-protein coupled receptor
6903	RGS9	0.652	4.624	0.55533	0.96205	regulator of G-protein signaling 9	Cytoplasm	enzyme
6904	SLC35F2	0.648	4.181	0.55388	0.96205	solute carrier family 35, member F2	Other	other
6905	ZG16B	0.635	4.469	0.55284	0.96205	zymogen granule protein 16B	Other	other
6906	RELL1	0.588	4.036	0.5546	0.96205	RELT-like 1	Plasma Membrane	other
6907	CEP99	0.496	4.908	0.55447	0.96205	centrosomal protein 89kDa	Cytoplasm	other
6908	GAPDHAP40	0.470	4.430	0.55425	0.96205	glyceraldehyde 3-phosphate dehydrogenase pseudogene 40	Other	other
6909	TNMD16	0.443	5.223	0.55249	0.96205	thioredoxin domain containing 16	Extracellular Space	enzyme
6910	TPM4	0.414	7.392	0.55471	0.96205	tropomyosin 4	Cytoplasm	other
6911	MTCH1	0.289	7.155	0.55259	0.96205	mitochondrial carrier 1	Cytoplasm	other
6912	IL10RA	0.265	9.266	0.5549	0.96205	interleukin 10 receptor, alpha	Plasma Membrane	transmembrane receptor
6913	MTO1	0.261	6.723	0.55284	0.96205	mitochondrial tRNA translation optimization 1	Cytoplasm	enzyme
6914	RNF216	0.256	7.974	0.55285	0.96205	ring finger protein 216	Cytoplasm	other
6915	ATPSD	0.252	6.793	0.55356	0.96205	ATP synthase, H+ transporting, mitochondrial F1 complex, delta subunit	Cytoplasm	transporter
6916	PRKAR1A	0.224	8.669	0.55287	0.96205	protein kinase, cAMP-dependent, regulatory, type I, alpha	Cytoplasm	kinase
6917	HCLS1	0.211	9.223	0.55456	0.96205	hematopoietic cell-specific Lyn substrate 1	Nucleus	other
6918	RPL3P4	0.210	7.633	0.55304	0.96205	ribosomal protein L3 pseudogene 4	Other	other
6919	E1F3F	0.202	7.812	0.55351	0.96205	eukaryotic translation initiation factor 3, subunit F	Cytoplasm	translation regulator
6920	PPNAC	-0.217	7.800	0.55316	0.96205	protein phosphatase A, catalytic subunit	Cytoplasm	phosphatase
6921	MAX	-0.249	6.702	0.55418	0.96205	Myc associated factor X	Nucleus	transcription regulator
6922	ADIPOR1	-0.258	7.822	0.55308	0.96205	adiponectin receptor 1	Plasma Membrane	transmembrane receptor
6923	NSMCE4A	-0.263	6.790	0.55327	0.96205	non-SMC element 4 homolog A (S. cerevisiae)	Nucleus	other
6924	SEC16A	-0.277	6.446	0.55432	0.96205	SEC16 homolog A (S. cerevisiae)	Cytoplasm	phosphatase
6925	BCL2L13	-0.299	5.928	0.55477	0.96205	BCL2-like 13 (apoptosis facilitator)	Cytoplasm	other
6926	TCEA1P2	-0.333	5.698	0.55376	0.96205	transcription elongation factor A (SII), 1 pseudogene 2	Other	other
6927	ACAD10	-0.432	4.907	0.55483	0.96205	acyl-CoA dehydrogenase family, member 10	Cytoplasm	enzyme
6928	PDZD11	-0.488	4.736	0.55484	0.96205	PDZ domain containing 11	Extracellular Space	other
6929	AGBL5	-0.515	5.315	0.55464	0.96205	ATP/GTP binding protein-like 5	Cytoplasm	peptidase
6930	GID4	-0.521	4.408	0.55501	0.96205	GID complex subunit 4	Nucleus	other
6931	OR-sept	-0.619	3.904	0.55431	0.96205	family with sequence similarity 86, member A pseudogene	Other	other
6932	FAM86BP	-0.903	2.223	0.55596	0.96205	family with sequence similarity 86, member A pseudogene	Other	other
6933	FANCC	-0.975	3.721	0.55298	0.96205	Fanconi anemia, complementation group C	Nucleus	other
6934	PTTG3P	-1.230	1.837	0.55402	0.96205	pituitary tumor-transforming 3, pseudogene	Other	other
6935	TMS9F4	0.351	5.475	0.55538	0.96234	transmembrane 9 superfamily protein member 4	Cytoplasm	transporter
6936	ATP5LP2	-0.906	2.263	0.55539	0.96234	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit g, pseudogene 2	Other	other
6937	RPS20P2	1.098	1.974	0.55556	0.96251	ribosomal protein S20 pseudogene 2	Other	other
6938	ZNF425	0.848	3.733	0.55589	0.96265	zinc finger protein 425	Other	other
6939	APH1B	0.615	4.464	0.55585	0.96265	APH1B gamma secretase subunit	Other	peptidase
6940	GPBP3	-0.581	4.011	0.55576	0.96265	GTP binding protein 3 (mitochondrial)	Cytoplasm	enzyme
6941	CDC45	1.105	2.281	0.56016	0.9631	cell division cycle associated 5	Cytoplasm	other
6942	CNN2P1	1.001	2.000	0.56061	0.9631	calponin 2 pseudogene 1	Other	other
6943	FAM65C	0.874	2.956	0.55657	0.9631	family with sequence similarity 65, member C	Other	other
6944	SPDYE3	0.840	3.035	0.55915	0.9631	speedy/WHNGO cell cycle regulator family member E3	Other	other
6945	FANCA	0.784	3.275	0.56044	0.9631	Fanconi anemia, complementation group A	Nucleus	other
6946	TWF1P1	0.740	3.039	0.55824	0.9631	twinstin 1 pseudogene 1	Other	other
6947	PLCD4	0.644	2.933	0.55593	0.9631	phospholipase C, delta 4	Cytoplasm	enzyme
6948	SLC15A2	0.594	4.757	0.55806	0.9631	solute carrier family 15 (oligopeptide transporter), member 2	Plasma Membrane	transporter
6949	RALGPS1	0.559	4.064	0.55825	0.9631	Ral GEF with PH domain and SH3 binding motif 1	Cytoplasm	other
6950	MTFHR	0.514	3.959	0.55876	0.9631	methylentetrahydrofolate reductase (NAD(P)H)	Cytoplasm	enzyme
6951	PLEKHA8	0.454	5.081	0.56071	0.9631	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 8	Extracellular Space	transporter
6952	NFXL1	0.387	5.331	0.55992	0.9631	nuclear transcription factor, X-box binding-like 1	Nucleus	transcription regulator
6953	ZFP14	0.383	5.692	0.55869	0.9631	ZFP14 zinc finger protein	Nucleus	other
6954	ADAM17	0.367	5.553	0.55733	0.9631	ADAM metallopeptidase domain 17	Plasma Membrane	peptidase
6955	SDHAF3	0.336	5.790	0.55775	0.9631	succinate dehydrogenase complex assembly factor 3	Cytoplasm	other
6956	NFXL	0.336	5.636	0.55823	0.9631	ring finger and FYVE-like domain containing E3 ubiquitin protein ligase	Cytoplasm	enzyme
6957	CEP192	0.318	6.717	0.56007	0.9631	centrosomal protein 192kDa	Cytoplasm	enzyme
6958	ACTL6A	0.269	6.544	0.55789	0.9631	actin-like 6A	Nucleus	other
6959	METAP1	0.243	7.138	0.55749	0.9631	methionyl aminopeptidase 1	Cytoplasm	peptidase
6960	PUM1	0.229	7.379	0.55844	0.9631	pumilio RNA-binding family member 1	Cytoplasm	other
6961	TNFRSF14	0.229	7.561	0.55674	0.9631	tumor necrosis factor receptor superfamily, member 14	Plasma Membrane	transmembrane receptor
6962	PPP2R5C	0.199	9.371	0.55735	0.9631	protein phosphatase 2, regulatory subunit B', gamma	Nucleus	other
6963	TLN1	-0.195	8.347	0.55688	0.9631	talin 1	Plasma Membrane	other
6964	INTS10	-0.202	7.754	0.56069	0.9631	integrator complex subunit 10	Nucleus	other
6965	SNHG1	-0.204	7.557	0.55961	0.9631	small nucleolar RNA host gene 1	Other	other
6966	MRPL32	-0.208	7.209	0.5595	0.9631	mitochondrial ribosomal protein L32	Cytoplasm	translation regulator
6967	TOX4	-0.215	7.656	0.55895	0.9631	TOX high mobility group box family member 4	Nucleus	other
6968	C19orf43	-0.221	7.236	0.55654	0.9631	chromosome 19 open reading frame 43	Nucleus	other
6969	METTL3	-0.228	7.324	0.55767	0.9631	methyltransferase like 3	Nucleus	enzyme
6970	FOXO21	-0.238	6.856	0.55764	0.9631	F-box protein 21	Extracellular Space	enzyme
6971	HEATRS8	-0.244	7.076	0.55761	0.9631	HEAT repeat containing 58	Cytoplasm	other
6972	KPNA5	-0.245	6.660	0.55972	0.9631	karyopherin alpha 5 (importin alpha 6)	Cytoplasm	other
6973	USP39	-0.247	7.106	0.56001	0.9631	ubiquitin specific peptidase 39	Nucleus	peptidase
6974	NCOA4	-0.248	8.319	0.55961	0.9631	nuclear receptor coactivator 4	Nucleus	transcription regulator
6975	SLAIN2	-0.251	6.590	0.5604	0.9631	SLAIN motif family, member 2	Cytoplasm	other
6976	TMX3	-0.259	7.130	0.55909	0.9631	thioredoxin-related transmembrane protein 3	Cytoplasm	enzyme
6977	ECHDC1	-0.268	6.743	0.55706	0.9631	ethylmalonyl-CoA decarboxylase 1	Cytoplasm	enzyme
6978	SUZ12	-0.288	6.571	0.55998	0.9631	SUZ12 polycomb repressive complex 2 subunit	Nucleus	enzyme
6979	FAM658	-0.295	8.447	0.56024	0.9631	family with sequence similarity 65, member 8	Cytoplasm	other
6980	ITC32	-0.330	5.559	0.56054	0.9631	tetratricopeptide repeat domain 32	Other	other
6981	RAA1432	-0.342	5.858	0.55864	0.9631	RAA6A GEF complex partner 1	Cytoplasm	other
6982	KTOR2	-0.348	6.102	0.56062	0.9631	SET domain, bifurcated 2	Nucleus	enzyme
6983	MTX2	-0.355	5.626	0.55998	0.9631	metaxin 2	Cytoplasm	transporter
6984	ZFP62	-0.362	6.275	0.55951	0.9631	ZFP62 zinc finger protein	Nucleus	other
6985	FAM76A	-0.381	5.468	0.5598	0.9631	family with sequence similarity 76, member A	Other	other
6986	E1F1AXP1	-0.389	5.200	0.55893	0.9631	eukaryotic translation initiation factor 1A, X-linked pseudogene 1	Other	other
6987	SLC9B2	-0.421	5.120	0.55979	0.9631	solute carrier family 9, subfamily B (NHA2, cation proton antiporter 2), member 2	Plasma Membrane	other
6988	PRCP	-0.449	5.538	0.55771	0.9631	prolylcarboxypeptidase (angiotensinase C)	Cytoplasm	peptidase
6989	CCPG1	-0.452	4.909	0.55884	0.9631	cell cycle progression 1	Other	other
6990	BOLA1	-0.502	4.357	0.55966	0.9631	boA family member 1	Cytoplasm	other
6991	SNRPEP4	-0.521	3.978	0.55763	0.9631	small nuclear ribonucleoprotein polypeptide E pseudogene 4	Other	other
6992	GKS	-0.548	4.565	0.55923	0.9631	glycerol kinase 5 (putative)	Other	kinase
6993	C17orf79	-0.565	4.327					

6996	C9orf3	-0.820	3.758	0.55898	0.9631	chromosome 9 open reading frame 3	Cytoplasm	peptidase
6997	BANF1P3	-0.883	2.151	0.55674	0.9631	barrier to autointegration factor 1 pseudogene 3	Other	other
6998	SRGAP3	0.905	3.361	0.56113	0.96354	SLIT-ROBO Rho GTPase activating protein 3	Cytoplasm	other
6999	RSRPY1	-0.245	6.662	0.56111	0.96354	ring finger and SPRY domain containing 1	Other	other
7000	IQCC	1.032	2.925	0.56122	0.96355	IQ motif containing C	Other	other
7001	RPS3A	0.446	4.691	0.5614	0.9636	ribosomal protein S3A	Nucleus	other
7002	CHPF	-0.627	5.228	0.56138	0.9636	chondroitin polymerizing factor	Cytoplasm	enzyme
7003	TS1D3	-1.066	2.160	0.56149	0.96361	thiosulfate sulfurtransferase (rhodanese)-like domain containing 3	Other	other
7004	CLIC1	0.222	8.399	0.56202	0.96438	chloride intracellular channel 1	Nucleus	ion channel
7005	NVL	0.302	5.940	0.56219	0.9644	nuclear VCP-like	Nucleus	other
7006	ZFP106	-0.210	7.988	0.56218	0.9644	zinc finger protein 106	Cytoplasm	other
7007	IARS2	0.237	6.892	0.56233	0.9645	isoleucyl-tRNA synthetase 2, mitochondrial	Cytoplasm	enzyme
7008	TARBP2	0.573	4.904	0.56312	0.96458	TAR (HIV-1) RNA binding protein 2	Nucleus	other
7009	WWOX	0.562	4.315	0.56311	0.96458	WW domain containing oxidoreductase	Cytoplasm	enzyme
7010	OBSN	0.562	4.903	0.56287	0.96458	obscurin, cytoskeletal calmodulin and titin-interacting RhoGEF	Cytoplasm	kinase
7011	ZNF318	0.334	5.666	0.56327	0.96458	zinc finger protein 318	Nucleus	other
7012	ANP32A	0.301	6.008	0.56323	0.96458	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A	Other	other
7013	BBIP1	0.271	6.620	0.56327	0.96458	BBsome interacting protein 1	Cytoplasm	other
7014	UBE2I	-0.257	6.650	0.56269	0.96458	ubiquitin-conjugating enzyme E2i	Nucleus	enzyme
7015	MRPS14	-0.307	6.253	0.56372	0.96458	mitochondrial ribosomal protein S14	Cytoplasm	other
7016	SNHG14	-0.320	7.558	0.56317	0.96458	Other	Other	Other
7017	FAM168B	-0.326	6.600	0.56335	0.96458	family with sequence similarity 168, member 8	Cytoplasm	other
7018	AKNA	-0.330	6.849	0.56266	0.96458	AT-hook transcription factor	Nucleus	other
7019	TEX30	-0.354	5.654	0.56316	0.96458	testis expressed 30	Other	other
7020	THBS3	-0.743	3.986	0.56342	0.96458	thrombospondin 3	Extracellular Space	other
7021	CYCSP34	1.285	1.850	0.564	0.96468	cytochrome c, somatic pseudogene 34	Other	other
7022	PRDM1	0.554	4.955	0.56362	0.96468	PR domain containing 1, with ZNF domain	Nucleus	transcription regulator
7023	AGPAT1	0.537	4.654	0.56399	0.96468	1-acylglycerol-3-phosphate O-acyltransferase 1	Cytoplasm	enzyme
7024	CNNM2	0.435	5.052	0.56407	0.96468	cyclin and CBS domain divalent metal cation transport mediator 2	Plasma Membrane	other
7025	GPX1	0.335	5.746	0.5641	0.96468	glutathione peroxidase 1	Cytoplasm	enzyme
7026	SEMA4D	0.283	7.740	0.56366	0.96468	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D	Plasma Membrane	transmembrane receptor
7027	ZKSCAN1	-0.204	8.940	0.56412	0.96468	zinc finger with KRAB and SCAN domains 1	Nucleus	other
7028	KIA02284	-0.900	2.174	0.564	0.96468	centrosomal protein 170B	Other	other
7029	PPIA3	1.058	2.080	0.56448	0.96487	protein tyrosine phosphatase, receptor type, 1 polypeptide (PTPRT), interacting protein (Ippin), alpha 3	Plasma Membrane	phosphatase
7030	SLCA1	0.872	3.141	0.56489	0.96487	solute carrier family 9, subfamily A (NHE1, cation proton antiporter 1), member 1	Plasma Membrane	ion channel
7031	CASBP1	0.518	4.131	0.56448	0.96487	carbonic anhydrase VB pseudogene 1	Other	other
7032	PHLPP1	0.503	4.696	0.56505	0.96487	PH domain and leucine rich repeat protein phosphatase 1	Cytoplasm	enzyme
7033	SYNJ1	0.465	5.721	0.56477	0.96487	synaptotagmin 1	Cytoplasm	phosphatase
7034	RXR8	0.319	5.923	0.56483	0.96487	retinoid X receptor, beta	Nucleus	ligand-dependent nuclear receptor
7035	HPS4	0.314	6.144	0.56501	0.96487	Hermansky-Pudlak syndrome 4	Cytoplasm	other
7036	HUS1	0.294	6.253	0.56456	0.96487	HUS1 checkpoint homolog (S. pombe)	Nucleus	kinase
7037	FYTTD1	0.223	7.985	0.56545	0.96487	forty-two-three domain containing 1	Nucleus	other
7038	KLHL36	-0.257	6.704	0.56517	0.96487	kelch-like family member 36	Cytoplasm	other
7039	TUBGCP6	-0.307	6.027	0.56543	0.96487	tubulin, gamma complex associated protein 6	Cytoplasm	other
7040	WRAP73	-0.332	6.163	0.56542	0.96487	WD repeat containing, antisense to TP73	Nucleus	other
7041	ACTR3P2	-0.513	4.144	0.56552	0.96487	ACTR3 pseudogene 2	Other	other
7042	METTL6	-0.523	4.262	0.56502	0.96487	methyltransferase like 6	Other	enzyme
7043	USP28	-0.588	4.856	0.56525	0.96487	ubiquitin specific peptidase 28	Nucleus	peptidase
7044	RGS17	-0.715	3.461	0.56521	0.96487	regulator of G-protein signalling 17	Cytoplasm	other
7045	HDLBP	-0.208	8.197	0.56572	0.96494	high density lipoprotein binding protein	Nucleus	transporter
7046	PGAM1	-0.441	4.779	0.56571	0.96494	phosphoglycerate mutase 1 (brain)	Cytoplasm	phosphatase
7047	RNR3P1	0.485	4.724	0.56711	0.96498	RNA polymerase I transcription factor homolog (S. cerevisiae) pseudogene 1	Other	other
7048	BMPR2	0.450	5.415	0.56707	0.96498	bone morphogenetic protein receptor, type II (serine/threonine kinase)	Plasma Membrane	kinase
7049	SFT2D1	0.393	5.959	0.5672	0.96498	SFT2 domain containing 1	Other	other
7050	ABLIM1	0.322	8.456	0.56655	0.96498	actin binding LIM protein 1	Cytoplasm	other
7051	GTFC3C5	0.312	6.818	0.56623	0.96498	general transcription factor IIIC, polypeptide 5, 63kDa	Nucleus	transcription regulator
7052	UTP23	0.303	6.018	0.56667	0.96498	UTP23, small subunit (SSU) processome component, homolog (yeast)	Other	other
7053	PHF12	0.241	6.654	0.56622	0.96498	PHD finger protein 12	Nucleus	transcription regulator
7054	ATP11B	0.218	7.403	0.56614	0.96498	ATPase, class VI, type 11B	Plasma Membrane	transporter
7055	PMPCB	0.218	7.984	0.56684	0.96498	peptidase (mitochondrial processing) beta	Cytoplasm	peptidase
7056	CIB1	0.194	7.625	0.56727	0.96498	calcium and integrin binding 1 (calmyrin)	Nucleus	other
7057	TNIP1	-0.270	7.304	0.56726	0.96498	TNFAIP3 interacting protein 1	Nucleus	other
7058	RNGT7	-0.297	6.147	0.56704	0.96498	RNA guanylyltransferase and 5'-phosphatase	Nucleus	phosphatase
7059	HDHD3	-0.363	5.524	0.56666	0.96498	haloacid dehalogenase-like hydrolase domain containing 3	Cytoplasm	enzyme
7060	VAMP5	-0.371	5.351	0.56701	0.96498	vesicle-associated membrane protein 5	Plasma Membrane	transporter
7061	FAM195A	-0.469	4.264	0.56699	0.96498	family with sequence similarity 195, member A	Other	other
7062	ZKSCAN4	-0.619	4.119	0.56684	0.96498	zinc finger with KRAB and SCAN domains 4	Nucleus	transcription regulator
7063	GSN	-0.732	4.267	0.5672	0.96498	gelsoxin	Extracellular Space	other
7064	RPL8P10	-1.208	2.414	0.56653	0.96498	ribosomal protein L18 pseudogene 10	Other	other
7065	SNORA5	-1.282	1.878	0.56591	0.96498	small nuclear RNA, H/ACA box 45B	Other	other
7066	ITGA2	0.666	3.072	0.56754	0.96518	Integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)	Plasma Membrane	transmembrane receptor
7067	CBWD3	-0.993	1.874	0.56748	0.96518	COBW domain containing 6	Other	other
7068	FBXO38	0.275	7.198	0.5678	0.96534	F-box protein 38	Other	other
7069	SAP18	-0.219	7.725	0.56777	0.96534	Sin3A-associated protein, 18kDa	Nucleus	transcription regulator
7070	SLC50A1	0.272	6.341	0.56818	0.96585	solute carrier family 50 (sugar efflux transporter), member 1	Plasma Membrane	transporter
7071	ADAMTS10	0.537	4.136	0.56832	0.96594	ADAM metalloproteinase with thrombospondin type 1 motif, 10	Extracellular Space	peptidase
7072	KCNK3	0.633	4.217	0.56853	0.96598	potassium channel, voltage gated shaker related subfamily A, member 3	Plasma Membrane	ion channel
7073	AUP1	-0.219	7.702	0.56874	0.96598	ancient ubiquitous protein 1	Cytoplasm	other
7074	ROMO1	-0.313	5.775	0.56846	0.96598	reactive oxygen species modulator 1	Cytoplasm	other
7075	PTPR4	-0.366	6.756	0.56872	0.96598	protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte)	Cytoplasm	phosphatase
7076	VANGL1	-0.768	3.493	0.56867	0.96598	VANGL, planar cell polarity protein 1	Cytoplasm	other
7077	TULP2	1.013	1.979	0.56896	0.96606	tubby like protein 2	Other	enzyme
7078	DOT1L	0.621	4.285	0.56914	0.96606	DOT1-like histone H3K79 methyltransferase	Nucleus	phosphatase
7079	SLC25A38P	0.565	3.537	0.56925	0.96606	solute carrier family 25, member 38 pseudogene 1	Other	other
7080	SLFN12L	0.323	5.583	0.56894	0.96606	schlafen family member 12-like	Other	enzyme
7081	SUPT5H	0.276	7.229	0.56927	0.96606	suppressor of Ty 5 homolog (S. cerevisiae)	Nucleus	transcription regulator
7082	TRAU33	-0.793	2.549	0.56912	0.96606	T cell receptor alpha joining 33	Other	other
7083	ZDHHC20P	0.747	2.525	0.56969	0.96631	zinc finger, DHHC-type containing 20 pseudogene 4	Other	other
7084	PDE6B	0.636	3.643	0.56965	0.96631	phosphodiesterase 6B, cGMP-specific, rod, beta	Cytoplasm	enzyme
7085	STMN1	-0.333	6.395	0.56982	0.96631	stathmin 1	Cytoplasm	other
7086	NSUN5	-0.394	5.100	0.56976	0.96631	NOP2/Sun domain family, member 5	Nucleus	other
7087	RFC5	-0.407	4.966	0.5697	0.96631	replication factor C (activator 1) 5, 36-5kDa	Nucleus	enzyme
7088	POLC1	0.487	4.570	0.56997	0.96631	PQ loop repeat containing 1	Other	other
7089	RNF111	-0.279	6.321	0.57006	0.96631	ring finger protein 111	Nucleus	other
7090	STX6	-0.372	5.413	0.57004	0.96631	syntaxin 6	Cytoplasm	transporter
7091	KCTD13	0.414	5.122	0.57018	0.96638	potassium channel tetramerization domain containing 13	Nucleus	ion channel
7092	ENTPD1	0.344	6.363	0.57046	0.96672	ectonucleoside triphosphate diphosphohydrolase 1	Plasma Membrane	enzyme
7093	WDR66	0.808	3.013	0.57194	0.96705	WD repeat domain 66	Other	other
7094	TMEM236	0.784	3.204	0.57163	0.96705	transmembrane protein 236	Other	other
7095	LIG1	0.465	6.005	0.57168	0.96705	ligase 1, DNA, ATP-dependent	Nucleus	enzyme
7096	SOX4	0.404	5.424	0.5718	0.96705	SRY (sex determining region Y)-box 4	Nucleus	transcription regulator
7097	PSMD9	0.396	4.905	0.57129	0.96705	proteasome (prosome, macropain) 26S subunit, non-ATPase, 9	Cytoplasm	transcription regulator
7098	RANBP9	0.335	5.905	0.5712	0.96705	RAN binding protein 9	Nucleus	other
7099	FOXN3	0.254	6.696	0.57178	0.96705	forkhead box N3	Nucleus	transcription regulator
7100	RANGAP1	-0.245	6.651	0.57194	0.96705	Ran GTPase activating protein 1	Nucleus	other
7101	LINC40	-0.342	5.897	0.57192	0.96705	leucine rich repeat containing 40	Nucleus	other
7102	EYA3	-0.349	5.600	0.57093	0.96705	EYA transcriptional coactivator and phosphatase 3	Nucleus	phosphatase
7103	FAM35A	-0.425	5.456	0.5719	0.96705	family with sequence similarity 35, member A	Extracellular Space	other
7104	TGFS1	-0.451	4.816	0.57121	0.96705	tubulin polyglutamylation complex subunit 1	Cytoplasm	other
7105	COX17P1	-0.593	3.837	0.57136	0.96705	COX17 cytochrome c oxidase copper chaperone pseudogene 1	Other	other
7106	RPL26L1	-0.653	3.034	0.57123	0.96705	ribosomal protein L26-like 1	Cytoplasm	other
7107	H1FX-AS1	-0.732	2.425	0.57166	0.96705	H1FX antisense RNA 1	Other	other
7108	COX5BP2	-1.058	2.304	0.57109	0.96705	cytochrome c oxidase subunit Vb pseudogene 2	Other	other
7109	CXCR6	0.317	7.350	0.57215	0.96713	chemokine (C-X-C motif) receptor 6	Plasma Membrane	G-protein coupled receptor
7110	C7orf55	-0.738	2.778	0.57211	0.96713	chromosome 7 open reading frame 55	Cytoplasm	other
7111	TECP1	-0.408	5.321	0.57228	0.9672	tectonin beta-propeller repeat containing 1	Cytoplasm	other
7112	RHOE	0.487	3.934	0.57251	0.96741	ras homolog family member F (in filipodia)	Cytoplasm	enzyme
7113	FAM116B	0.436	4.948	0.5728	0.96741	DDN/NAO domain containing 6B	Other	other
7114	GPX7	0.388	5.237	0.57269	0.96741	glutathione peroxidase 7	Cytoplasm	enzyme
7115	COPG1	-0.203	7.671	0.57279	0.96741	coatamer protein complex, subunit gamma 1	Cytoplasm	transporter
7116	R9P	-0.517	4.117	0.57269	0.96741	retinitis pigmentosa 9 (autosomal dominant)	Nucleus	other
7117	ALDH5A1	0.617	4.782	0.57312	0.96745	aldehyde dehydrogenase 5 family, member A1	Cytoplasm	enzyme
7118	ZNF836	0.579	4.497	0.57314	0.96745	zinc finger protein 836	Other	other
7119	TBC1D2B	-0.426	6.379	0.57295	0.96745	TBC1 domain family, member 2B	Other	other
7120	PDE1B	-0.878	3.121	0.57313	0.96745	phosphodiesterase 1B, calmodulin-dependent	Cytoplasm	enzyme
7121	CD53	0.200	9.274	0.57324	0.96747	CD53 molecule	Plasma Membrane	other
7122	SNORD89	0.753	2.011	0.57513	0.96768	small nucleolar RNA, C/D box 89	Other	other
7123	DUSP3	0.585	5.672	0.57437	0.96768	dual specificity phosphatase 3	Cytoplasm	phosphatase
7124	RAD1	0.365	5.435	0.57406				

7128	KIAA1715	0.270	6.538	0.57519	0.96768	KIAA1715	Cytoplasm	other
7129	TRAPP6A	0.245	6.531	0.57377	0.96768	trafficking protein particle complex 6A	Cytoplasm	other
7130	RABGGTB	0.232	6.874	0.57521	0.96768	Rab geranylgeranyltransferase, beta subunit	Cytoplasm	enzyme
7131	DIMT1	0.225	7.018	0.57417	0.96768	DIM1 dimethyladenosine transferase 1 homolog (S. cerevisiae)	Cytoplasm	enzyme
7132	EIF3FP3	0.211	7.452	0.57491	0.96768	eukaryotic translation initiation factor 3, subunit F pseudogene 3	Other	other
7133	RPL23	0.201	7.370	0.57377	0.96768	ribosomal protein L23	Cytoplasm	other
7134	RHOG	0.186	8.201	0.57371	0.96768	ras homolog family member G	Cytoplasm	enzyme
7135	DHIG	-0.221	6.951	0.57474	0.96768	isocitrate dehydrogenase 3 (NAD+) gamma	Cytoplasm	enzyme
7136	TRAPP3	-0.288	6.280	0.57494	0.96768	trafficking protein particle complex 3	Cytoplasm	other
7137	LCIAT1	-0.403	5.213	0.57404	0.96768	lysocardiolipin acyltransferase 1	Cytoplasm	enzyme
7138	KBTBD7	-0.412	4.878	0.57488	0.96768	kelch repeat and BTB (POZ) domain containing 7	Other	other
7139	MRPL19	-0.413	4.993	0.57493	0.96768	mitochondrial ribosomal protein L19	Cytoplasm	other
7140	FAM125A	-0.418	4.818	0.57388	0.96768	multivesicular body subunit 12A	Cytoplasm	other
7141	PINK1	-0.498	4.561	0.57464	0.96768	PTEN induced putative kinase 1	Cytoplasm	kinase
7142	RCN1P2	-0.666	2.837	0.57497	0.96768	reticulocalbin 1, EF-hand calcium binding domain pseudogene 2	Other	other
7143	PRKG1	-0.980	1.912	0.57391	0.96768	protein kinase, cGMP-dependent, type I	Cytoplasm	kinase
7144	CCDC17	-0.991	2.858	0.57471	0.96768	coiled-coil domain containing 17	Other	other
7145	NUP62CL	0.888	3.461	0.57591	0.96777	nucleoporin 62kDa C-terminal like	Other	other
7146	ARHGGEF38	0.819	2.194	0.57579	0.96777	Rho guanine nucleotide exchange factor (GEF) 38	Other	other
7147	PLN	0.529	3.963	0.57586	0.96777	phospholamban	Cytoplasm	transporter
7148	KT112	0.464	5.405	0.57613	0.96777	KT112 homolog, chromatin associated (S. cerevisiae)	Other	other
7149	DRD3	0.415	4.847	0.57598	0.96777	tudor domain containing 3	Nucleus	transcription regulator
7150	ZNF253	0.406	4.833	0.57585	0.96777	zinc finger protein 253	Nucleus	transcription regulator
7151	ECH1	0.212	7.176	0.57581	0.96777	enoyl CoA hydratase 1, peroxisomal	Cytoplasm	enzyme
7152	RHBD2	-0.408	5.756	0.57615	0.96777	rhomboid 5 homolog 2 (Drosophila)	Cytoplasm	other
7153	YIPF6	-0.452	5.881	0.57568	0.96777	Yip1 domain family, member 6	Cytoplasm	other
7154	ZNF736	-0.525	4.896	0.57567	0.96777	zinc finger protein 736	Other	other
7155	SMPD2	-0.780	4.831	0.57602	0.96777	sphingomyelin phosphodiesterase 2, neutral membrane (neutral sphingomyelinase)	Cytoplasm	enzyme
7156	STX5	-0.320	5.777	0.57629	0.96787	syntaxin 5	Cytoplasm	transporter
7157	MIPEP1	1.095	2.181	0.57769	0.96826	mitochondrial intermediate peptidase pseudogene 1	Other	other
7158	HMG83	0.751	3.066	0.57754	0.96826	high mobility group box 3	Nucleus	other
7159	OSBP1A	0.650	2.775	0.57789	0.96826	oxysterol binding protein-like 1A	Cytoplasm	other
7160	GNAT5	0.515	6.376	0.57728	0.96826	guanine nucleotide binding protein (G protein), alpha 15 (Gq class)	Plasma Membrane	enzyme
7161	ZNF827	0.345	5.649	0.57723	0.96826	zinc finger protein 827	Other	other
7162	CREB3L2	0.264	6.970	0.57776	0.96826	cAMP responsive element binding protein 3-like 2	Nucleus	other
7163	SMARCE1	0.213	7.171	0.57696	0.96826	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1	Nucleus	transcription regulator
7164	RPL19	0.187	8.583	0.57685	0.96826	ribosomal protein L19	Cytoplasm	other
7165	CYLD	0.184	9.519	0.57703	0.96826	cylindromatosis (turban tumor syndrome)	Nucleus	transcription regulator
7166	EIF3G	-0.203	7.755	0.57715	0.96826	eukaryotic translation initiation factor 3, subunit G	Cytoplasm	other
7167	PDIA3	-0.211	8.199	0.57782	0.96826	protein disulfide isomerase family A, member 3	Cytoplasm	peptidase
7168	TOMM70A	-0.246	6.815	0.57786	0.96826	translocase of outer mitochondrial membrane 70 homolog A (S. cerevisiae)	Cytoplasm	transporter
7169	ITPA	-0.278	6.387	0.57731	0.96826	inosine triphosphatase (nucleoside triphosphate pyrophosphatase)	Cytoplasm	enzyme
7170	AKBH7	-0.314	5.721	0.57747	0.96826	alkB, alkylation repair homolog 7 (E. coli)	Cytoplasm	other
7171	KAT8	-0.341	5.521	0.57779	0.96826	Kl(y)ine acetyltransferase 8	Nucleus	enzyme
7172	RHOQ	-0.374	5.048	0.57716	0.96826	ras homolog family member Q	Plasma Membrane	enzyme
7173	MYL6P3	-0.529	3.667	0.57716	0.96826	myosin, light chain 6 pseudogene 3	Other	other
7174	IPO11	0.384	5.322	0.57832	0.96883	importin 11	Nucleus	transporter
7175	USP7	-0.218	7.486	0.57858	0.96883	ubiquitin specific peptidase 7 (herpes virus-associated)	Nucleus	peptidase
7176	SEPT7P7	-0.405	4.661	0.57864	0.96883	septin 7 pseudogene 7	Other	other
7177	ADCK4	-0.634	3.786	0.57855	0.96883	aarF domain containing kinase 4	Cytoplasm	kinase
7178	RAB1C	-1.007	1.948	0.57841	0.96883	RAB1C, member RAS oncogene family pseudogene	Other	other
7179	ZNF445	0.377	4.973	0.57894	0.969	zinc finger protein 445	Nucleus	transcription regulator
7180	C17orf75	0.345	5.477	0.57922	0.969	chromosome 17 open reading frame 75	Extracellular Space	other
7181	CEP290	0.280	6.164	0.57892	0.969	centrosomal protein 290kDa	Cytoplasm	transcription regulator
7182	ZNF211	0.207	7.278	0.57916	0.969	zinc finger protein 211	Nucleus	transcription regulator
7183	HIST1H4C	-0.237	6.655	0.579	0.969	histone cluster 1, H4c	Nucleus	other
7184	TRB2-3	-0.504	3.941	0.57912	0.969	T cell receptor beta joining 2-3	Other	other
7185	TME1M9	0.949	2.000	0.58011	0.96903	transmembrane protein 9f	Other	other
7186	ZNF442	0.888	3.163	0.58055	0.96903	zinc finger protein 442	Nucleus	other
7187	CYSLTR1	0.543	8.118	0.57963	0.96903	cysteinyl leukotriene receptor 1	Plasma Membrane	G-protein coupled receptor
7188	MYO1C	0.441	4.441	0.58109	0.96903	myosin 1C	Cytoplasm	other
7189	SEC14L1	0.270	6.272	0.58062	0.96903	SEC14-like 1 (S. cerevisiae)	Cytoplasm	transporter
7190	MT-ND3	0.256	6.335	0.58102	0.96903	NADH dehydrogenase, subunit 3 (complex I)	Cytoplasm	enzyme
7191	DRGK1	0.255	6.393	0.57993	0.96903	DRGK domain containing 1	Extracellular Space	other
7192	RAE1	0.254	6.875	0.58105	0.96903	ribonucleic acid export 1	Nucleus	other
7193	NCL	-0.173	9.521	0.58029	0.96903	nucleolin	Nucleus	other
7194	ITM2B	-0.177	9.051	0.58019	0.96903	integral membrane protein 2B	Plasma Membrane	other
7195	HARS	-0.217	7.567	0.58105	0.96903	histidyl-tRNA synthetase	Cytoplasm	enzyme
7196	ACA2	-0.281	6.772	0.58039	0.96903	acetyl-CoA acyltransferase 2	Cytoplasm	enzyme
7197	MLXIP	-0.283	6.814	0.57996	0.96903	MLX interacting protein	Nucleus	other
7198	RUFY2	-0.284	6.001	0.58106	0.96903	RUN and FYVE domain containing 2	Nucleus	other
7199	C5orf22	-0.285	6.059	0.58048	0.96903	chromosome 5 open reading frame 22	Other	other
7200	BRAT1	-0.292	6.261	0.57962	0.96903	BRCA1-associated ATM activator 1	Nucleus	other
7201	DTWD1	-0.330	5.737	0.57947	0.96903	DTW domain containing 1	Other	other
7202	ZNF341	-0.500	4.063	0.57952	0.96903	zinc finger protein 341	Nucleus	other
7203	ST13P6	-0.527	3.687	0.58082	0.96903	suppression of tumorigenicity 13 (colon carcinoma) [Hsp70 interacting protein] pseudogene 6	Other	other
7204	PINX1	-0.534	4.163	0.58092	0.96903	PIN2/TERF1 interacting, telomerase inhibitor 1	Nucleus	other
7205	HSCB	-0.541	3.914	0.5806	0.96903	HscB mitochondrial iron-sulfur cluster co-chaperone	Cytoplasm	other
7206	TME1M97	-0.678	3.099	0.58105	0.96903	transmembrane protein 97	Extracellular Space	other
7207	RRS1	-0.709	3.513	0.57987	0.96903	RRS1 ribosome biogenesis regulator homolog (S. cerevisiae)	Nucleus	other
7208	RLT3LG	0.769	2.335	0.58169	0.9692	Tris-related tyrosine kinase 3 ligand	Extracellular Space	cytokine
7209	ZNF69	0.626	4.182	0.58182	0.9692	zinc finger protein 69	Nucleus	other
7210	PSTK	0.586	4.079	0.58164	0.9692	phosphoserine-threonine kinase	Cytoplasm	kinase
7211	WDFY2	0.237	7.021	0.58164	0.9692	WD repeat and FYVE domain containing 2	Other	other
7212	XRN1	0.180	8.330	0.58167	0.9692	5'-3' exonuclease 1	Cytoplasm	enzyme
7213	ATPBD4	-0.383	4.781	0.58147	0.9692	diphthamine biosynthesis 6	Cytoplasm	enzyme
7214	SLC22A23	-0.747	3.484	0.58184	0.9692	solute carrier family 22, member 23	Other	transporter
7215	NRP2	-1.130	2.071	0.58168	0.9692	neuropilin 2	Plasma Membrane	kinase
7216	TPSANA4	0.942	2.211	0.5821	0.96934	tetraspanin 4	Plasma Membrane	other
7217	HSP90B2P	-0.260	6.198	0.58221	0.96934	heat shock protein 90kDa beta (Grp94), member 2, pseudogene	Other	other
7218	PTBP1	-0.261	7.280	0.58223	0.96934	polypyrimidine tract binding protein 1	Nucleus	enzyme
7219	SRP72P2	-0.499	4.146	0.58225	0.96934	signal recognition particle 72kDa pseudogene 2	Other	other
7220	DOHH	-0.544	4.037	0.58251	0.96963	deoxyhypusine hydroxylase/monooxygenase	Cytoplasm	enzyme
7221	ANCY	0.511	5.862	0.58275	0.96968	adenylylhomocysteinase	Cytoplasm	enzyme
7222	GNPDAD2	0.332	5.607	0.5828	0.96968	glucosamine-5-phosphate deaminase 2	Nucleus	enzyme
7223	DYNLT3	-0.215	7.138	0.58286	0.96968	dynein, light chain, Tctex-type 3	Cytoplasm	other
7224	C1orf109	-0.406	5.049	0.58293	0.96968	chromosome 1 open reading frame 109	Other	other
7225	GNB2L1	0.177	10.079	0.58321	0.97	guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1	Cytoplasm	enzyme
7226	TME1M170f	-0.287	6.033	0.58318	0.97	transmembrane protein 170A	Other	other
7227	TRMT10A	0.813	3.422	0.58449	0.97006	tRNA methyltransferase 10 homolog A (S. cerevisiae)	Cytoplasm	other
7228	TKTL1	0.796	3.283	0.58346	0.97006	transketolase-like 1	Other	enzyme
7229	IGBP1P4	0.667	2.573	0.58404	0.97006	immunoglobulin (CD79A) binding protein 1 pseudogene 4	Other	other
7230	UBE3D	0.443	4.537	0.58486	0.97006	ubiquitin protein ligase E3D	Other	other
7231	ZNF540	0.434	5.021	0.58461	0.97006	zinc finger protein 540	Cytoplasm	translation regulator
7232	ACP12	0.416	5.432	0.58479	0.97006	2-phosphorylase phosphatase 1	Cytoplasm	phosphatase
7233	ANXA4	0.344	5.648	0.58413	0.97006	annexin A4	Plasma Membrane	other
7234	NAAA	0.333	6.079	0.58492	0.97006	N-acylphosphoramidate acid amidase	Cytoplasm	enzyme
7235	DCTN1	0.222	6.968	0.58381	0.97006	dynactin 1	Cytoplasm	other
7236	ITC37	0.215	8.276	0.58374	0.97006	tetratricopeptide repeat domain 37	Nucleus	other
7237	NCOA1	0.207	7.742	0.584	0.97006	nuclear receptor coactivator 1	Nucleus	transcription regulator
7238	SLC25A5	0.197	7.976	0.5842	0.97006	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5	Cytoplasm	transporter
7239	OSTC	-0.233	7.246	0.58424	0.97006	oligosaccharyltransferase complex subunit (non-catalytic)	Cytoplasm	enzyme
7240	ACAA1	-0.250	6.571	0.58494	0.97006	acetyl-CoA acyltransferase 1	Cytoplasm	enzyme
7241	NDUFA9	-0.293	5.820	0.58435	0.97006	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9, 39kDa	Cytoplasm	enzyme
7242	ARID3B	-0.357	5.323	0.58351	0.97006	AT rich interactive domain 3B (BRIGHT-like)	Nucleus	other
7243	HNRNPUL2	-0.397	4.861	0.58381	0.97006	heterogeneous nuclear ribonucleoprotein U-like 2	Nucleus	other
7244	DPP4	-0.445	8.519	0.58461	0.97006	dipeptidyl-peptidase 4	Plasma Membrane	peptidase
7245	PMS2P1	-0.470	4.111	0.58413	0.97006	postmeiotic segregation increased 2 pseudogene 1	Other	other
7246	TLL12	-0.682	3.679	0.58345	0.97006	tubulin tyrosine ligase-like family member 12	Other	other
7247	PSMD10P2	-0.747	2.345	0.58466	0.97006	proteasome 26S subunit, non-ATPase, 10 pseudogene 2	Other	other
7248	ICMT	0.447	5.190	0.5853	0.97031	isoprenylcysteine carboxyl methyltransferase	Cytoplasm	enzyme
7249	RPS29	0.260	6.216	0.58541	0.97031	ribosomal protein S29	Cytoplasm	other
7250	C5orf15	-0.291	6.303	0.58538	0.97031	chromosome 5 open reading frame 15	Other	other
7251	WDR34	-0.465	4.623	0.58531	0.97031	WD repeat domain 34	Cytoplasm	other
7252	RFWO2	0.286	5.831	0.58551	0.97034	ring finger and WD repeat domain 2, E3 ubiquitin protein ligase	Cytoplasm	enzyme
7253	DLEU2	-0.526	3.884	0.58559	0.97034	deleted in lymphocytic leukemia 2 (non-protein coding)	Other	other
7254	PRPF6	-0.199	7.682	0.58579	0.97054	pre-mRNA processing factor 6	Nucleus	transcription regulator
7255	CAMK4	0.236	7.728	0.58641	0.9709	calcium/calmodulin-dependent protein kinase IV	Nucleus	kinase
7256	ISCU	0.186	8.342	0.5862	0.9709	iron-sulfur cluster assembly enzyme	Other	other
7257								

7260	ALDH2	0.928	2.056	0.58678	0.97097	aldehyde dehydrogenase 2 family (mitochondrial)	Cytoplasm	enzyme
7261	TIMP2	0.914	2.699	0.58669	0.97097	TIMP metalloproteinase inhibitor 2	Extracellular Space	other
7262	DYRK4	-0.436	4.983	0.58667	0.97097	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 4	Nucleus	kinase
7263	LSM11	-0.520	4.238	0.58684	0.97097	LSM11, U7 small nuclear RNA associated	Nucleus	other
7264	SESN2	-0.596	3.537	0.58686	0.97097	sestrin 2	Cytoplasm	other
7265	CYP51P2	-0.634	3.436	0.58706	0.97116	cytochrome P450, family 51, subfamily A, polypeptide 1 pseudogene 2	Other	other
7266	MIR558	1.492	1.623	0.58728	0.97126	microRNA 558	Cytoplasm	microRNA
7267	CANR2D	-0.597	4.282	0.58725	0.97126	calcium/calmodulin-dependent protein kinase II delta	Cytoplasm	kinase
7268	ZNF212	0.449	4.912	0.58738	0.97129	zinc finger protein 212	Nucleus	other
7269	RNASSP48	1.066	1.673	0.59391	0.9714	RNA 5S ribosomal pseudogene 483	Other	other
7270	CTSZ	0.954	2.189	0.58949	0.9714	cathepsin Z	Cytoplasm	peptidase
7271	ACAN	0.792	2.645	0.59266	0.9714	aggrecan	Extracellular Space	other
7272	FOXN3P1	0.789	2.594	0.59553	0.9714	forkhead box N3 pseudogene 1	Other	other
7273	TRAJ44	0.775	2.171	0.59548	0.9714	T cell receptor alpha joining 44	Other	other
7274	DDX11	0.747	4.360	0.59089	0.9714	DEAD/H (Asp-Glu-Ala-Asp/His) box helicase 11	Cytoplasm	enzyme
7275	PDXP	0.651	3.405	0.5884	0.9714	pyridoxal (pyridoxine, vitamin B6) phosphatase	Plasma Membrane	phosphatase
7276	PKIB	0.643	4.073	0.59402	0.9714	protein kinase (cAMP-dependent, catalytic) inhibitor beta	Other	other
7277	ATN1	0.624	3.505	0.59218	0.9714	atrophin 1	Nucleus	transcription regulator
7278	RABGEF1	0.610	3.243	0.592	0.9714	RAB guanine nucleotide exchange factor (GEF) 1	Cytoplasm	other
7279	CSTF2T	0.593	5.612	0.592	0.9714	cleavage stimulation factor, 3' pre-RNA, subunit 2, 64kDa, tau variant	Nucleus	other
7280	PFN2	0.531	3.525	0.59473	0.9714	profilin 2	Cytoplasm	other
7281	CD200R1	0.519	7.515	0.59104	0.9714	CD200 receptor 1	Plasma Membrane	other
7282	TPS2AN2	0.505	6.348	0.59001	0.9714	tetraspanin 2	Extracellular Space	other
7283	ZNF273	0.504	3.566	0.58807	0.9714	zinc finger protein 273	Nucleus	other
7284	GPR160	0.501	4.500	0.5933	0.9714	G protein-coupled receptor 160	Plasma Membrane	G-protein coupled receptor
7285	LRR37B	0.479	4.756	0.59321	0.9714	leucine rich repeat containing 37B	Cytoplasm	other
7286	TSHZ1	0.473	4.867	0.59097	0.9714	teashirt zinc finger homeobox 1	Nucleus	transcription regulator
7287	GNL3L	0.462	5.084	0.59471	0.9714	guanine nucleotide binding protein-like 3 (nuclear)-like	Nucleus	other
7288	BCAS2P2	0.456	4.250	0.5889	0.9714	breast carcinoma amplified sequence 2 pseudogene 2	Other	other
7289	ZNF480	0.443	5.435	0.59441	0.9714	zinc finger protein 480	Nucleus	other
7290	LDHAP2	0.408	4.682	0.58794	0.9714	lactate dehydrogenase A pseudogene 2	Other	other
7291	RABL5	0.405	4.948	0.59154	0.9714	intracellular transport 22	Extracellular Space	other
7292	ZNF776	0.388	5.468	0.59451	0.9714	zinc finger protein 776	Other	other
7293	GPR18	0.369	5.291	0.58853	0.9714	G protein-coupled receptor 18	Plasma Membrane	G-protein coupled receptor
7294	HNRNP1A1L	0.364	5.195	0.5892	0.9714	heterogeneous nuclear ribonucleoprotein A1-like 2	Other	other
7295	DGCR6L	0.344	5.220	0.588	0.9714	DIGeorge syndrome critical region gene 6-like	Nucleus	other
7296	SNAP29	0.329	6.370	0.59444	0.9714	synaptosomal-associated protein, 29kDa	Cytoplasm	transporter
7297	NAMPT	0.327	7.564	0.59096	0.9714	nicotinamide phosphoribosyltransferase	Extracellular Space	cytokine
7298	LINC00324	0.327	5.786	0.59498	0.9714	long intergenic non-protein coding RNA 324	Other	other
7299	C19orf25	0.279	6.250	0.59144	0.9714	chromosome 19 open reading frame 25	Other	other
7300	CDK12	0.261	6.779	0.59352	0.9714	cyclin-dependent kinase 12	Nucleus	kinase
7301	POLR2C	0.261	6.381	0.59537	0.9714	polymrase (RNA) II (DNA directed) polypeptide C, 33kDa	Nucleus	enzyme
7302	MTFRF	0.252	6.722	0.59542	0.9714	mitochondrial transcription termination factor 1	Cytoplasm	transcription regulator
7303	TMEM41B	0.252	6.215	0.59041	0.9714	transmembrane protein 41B	Other	other
7304	KIAA2018	0.241	6.721	0.59513	0.9714	KIAA2018	Other	other
7305	MED1	0.234	7.009	0.58765	0.9714	mediator complex subunit 1	Nucleus	transcription regulator
7306	PNPLA8	0.206	7.166	0.59189	0.9714	patatin-like phospholipase domain containing 8	Cytoplasm	enzyme
7307	THEM4	0.204	7.692	0.58841	0.9714	thioesterase superfamily member 4	Plasma Membrane	enzyme
7308	EID1	0.193	7.445	0.58929	0.9714	EP300 interacting inhibitor of differentiation 1	Nucleus	transcription regulator
7309	SRGN	0.190	8.271	0.59365	0.9714	serglycin	Cytoplasm	other
7310	YPFL3	0.188	7.839	0.5923	0.9714	yippee-like 3 (Drosophila)	Other	other
7311	KLHL28	0.180	7.868	0.59071	0.9714	kelch-like family member 28	Other	other
7312	COX4I1	-0.171	8.852	0.59528	0.9714	cytochrome c oxidase subunit IV isoform 1	Cytoplasm	enzyme
7313	PWWD1	-0.181	7.702	0.59314	0.9714	peptidylprolyl isomerase domain and WD repeat containing 1	Nucleus	enzyme
7314	ATP5C1	-0.188	7.770	0.59182	0.9714	ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1	Cytoplasm	transporter
7315	SLC38A2	-0.188	8.790	0.58896	0.9714	solute carrier family 38, member 2	Plasma Membrane	transporter
7316	CCA1	-0.188	7.794	0.59503	0.9714	cell division cycle and apoptosis regulator 1	Nucleus	transcription regulator
7317	PPH1L1	-0.190	7.395	0.58809	0.9714	periplin 1	Nucleus	other
7318	NECAP2	-0.192	7.741	0.58862	0.9714	NECAP endocytosis associated 2	Cytoplasm	other
7319	S100A11	-0.203	7.916	0.59104	0.9714	S100 calcium binding protein A11	Cytoplasm	other
7320	DNMT1	-0.213	7.707	0.59274	0.9714	DNA (cytosine-5)-methyltransferase 1	Nucleus	enzyme
7321	NMRK1	-0.222	7.054	0.58869	0.9714	nicotinamide riboside kinase 1	Other	kinase
7322	NFAT5	-0.224	7.539	0.59475	0.9714	nuclear factor of activated T-cells 5, tonicity-responsive	Nucleus	transcription regulator
7323	MITD1	-0.225	6.894	0.59369	0.9714	MIT, microtubule interacting and transport, domain containing 1	Cytoplasm	other
7324	PABPC4	-0.230	6.848	0.59044	0.9714	poly(A) binding protein, cytoplasmic 4 (inducible form)	Cytoplasm	translation regulator
7325	IL17RA	-0.238	6.751	0.59447	0.9714	interleukin 17 receptor A	Plasma Membrane	transmembrane receptor
7326	ZNF830	-0.248	6.603	0.59097	0.9714	zinc finger protein 830	Nucleus	other
7327	PPP2R5E	-0.259	6.189	0.59347	0.9714	protein phosphatase 2, regulatory subunit B', epsilon isoform	Cytoplasm	phosphatase
7328	ZMIZ1	-0.274	6.106	0.59424	0.9714	zinc finger, LIM-type containing 1	Nucleus	other
7329	DOC9	-0.274	6.261	0.59007	0.9714	dedicator of cytokinesis 9	Other	other
7330	UGGT1	-0.278	6.374	0.58891	0.9714	UDP-glucose glucosyltransferase 1	Cytoplasm	enzyme
7331	AK3	-0.279	6.118	0.59254	0.9714	adenylate kinase 3	Cytoplasm	kinase
7332	TRAPPC11	-0.291	6.311	0.59342	0.9714	trafficking protein particle complex 11	Other	other
7333	DUT	-0.300	5.850	0.59514	0.9714	deoxyuridine triphosphatase	Nucleus	enzyme
7334	MAD2L1BP	-0.301	5.979	0.59358	0.9714	MAD2L1 binding protein	Nucleus	other
7335	TRMT2A	-0.307	5.721	0.58884	0.9714	tRNA methyltransferase 2 homolog A (S. cerevisiae)	Other	kinase
7336	PTGES3P1	-0.310	5.566	0.59008	0.9714	prostaglandin H synthase 3 (cytosolic) pseudogene 1	Other	other
7337	HMGCS1	-0.319	6.262	0.59033	0.9714	3-hydroxy-3-methylglutaryl-CoA synthase 1 (soluble)	Cytoplasm	enzyme
7338	MZT1	-0.330	5.484	0.58771	0.9714	mitotic spindle organizing protein 1	Cytoplasm	other
7339	DENN2D2	-0.333	7.567	0.59465	0.9714	DENN/MADD domain containing 2D	Cytoplasm	other
7340	SNRPF	-0.338	5.201	0.59357	0.9714	small nuclear ribonucleoprotein polypeptide F	Nucleus	other
7341	FAM160B2	-0.347	6.551	0.59449	0.9714	family with sequence similarity 160, member 82	Other	other
7342	CHPT1	-0.347	5.826	0.59436	0.9714	choline phosphotransferase 1	Cytoplasm	enzyme
7343	IFIT2	-0.351	6.277	0.58849	0.9714	interferon-induced protein with tetratricopeptide repeats 2	Cytoplasm	other
7344	SNRPE	-0.358	5.043	0.59094	0.9714	small nuclear ribonucleoprotein polypeptide E	Nucleus	other
7345	FEM1C	-0.362	5.906	0.59111	0.9714	fem-1 homolog c (C. elegans)	Nucleus	transcription regulator
7346	THG1L	-0.362	5.403	0.59251	0.9714	tRNA-histidine guanylyltransferase 1-like (S. cerevisiae)	Cytoplasm	enzyme
7347	ZNF230	-0.365	5.287	0.58988	0.9714	zinc finger protein 230	Nucleus	other
7348	DHDDS	-0.367	5.783	0.59088	0.9714	dehydrodolichyl diphosphate synthase	Cytoplasm	enzyme
7349	TMEM192	-0.371	5.860	0.59353	0.9714	transmembrane protein 192	Cytoplasm	other
7350	ATP5I	-0.383	4.906	0.58876	0.9714	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit E	Cytoplasm	transporter
7351	CDADC1	-0.410	5.278	0.59397	0.9714	cytidine and dCMP deaminase domain containing 1	Other	kinase
7352	PCNPP5	-0.426	4.271	0.58959	0.9714	PCST containing nuclear protein pseudogene 5	Other	other
7353	C20orf27	-0.435	4.534	0.59315	0.9714	chromosome 20 open reading frame 27	Other	other
7354	Cxor40A	-0.471	4.322	0.59107	0.9714	chromosome X open reading frame 40A	Other	other
7355	CLCN7	-0.471	4.868	0.59014	0.9714	chloride channel, voltage-sensitive 7	Plasma Membrane	ion channel
7356	PNPLA6	-0.493	4.173	0.59532	0.9714	patatin-like phospholipase domain containing 6	Cytoplasm	other
7357	DHRS4L2	-0.702	2.843	0.58946	0.9714	dehydrogenase/reductase (SDR family) member 4 like 2	Other	other
7358	PPP1R16A	-0.726	3.851	0.58901	0.9714	protein phosphatase 1, regulatory subunit 16A	Plasma Membrane	other
7359	TAF4B	-0.741	3.819	0.58963	0.9714	TAF4B RNA polymerase II, TATA box binding protein (TBP)-associated factor, 105kDa	Nucleus	transcription regulator
7360	TCTEX1D2	-0.812	2.608	0.59483	0.9714	Tctex1 domain containing 2	Other	other
7361	PPIAP2	-0.835	2.256	0.59033	0.9714	peptidylprolyl isomerase A (cyclophilin A) pseudogene 2	Other	other
7362	ERMAP	-0.871	3.208	0.59389	0.9714	erythroblast membrane-associated protein (Sciama blood group)	Cytoplasm	other
7363	MTND5P28	-0.912	2.687	0.59204	0.9714	MT-ND5 pseudogene 28	Other	other
7364	PPR1BP1	-0.991	2.141	0.59257	0.9714	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Plasma Membrane	other
7365	SOGA1	-0.996	1.873	0.59368	0.9714	suppressor of glucose, autophagy associated 1	Extracellular Space	other
7366	TPSN18	-1.026	2.337	0.58807	0.9714	tetraspanin 18	Other	other
7367	MTCP1	-1.032	2.008	0.59483	0.9714	mature T-cell proliferation 1	Cytoplasm	other
7368	C8orf37	-1.135	2.737	0.59399	0.9714	chromosome 8 open reading frame 37	Other	other
7369	TSNAX	0.249	6.240	0.59561	0.9714	translin-associated factor X	Nucleus	transporter
7370	CLDN15	0.470	4.166	0.59577	0.97152	claudin 15	Plasma Membrane	other
7371	PBRM1	0.184	8.218	0.59584	0.97152	polybromo 1	Nucleus	other
7372	PAPD4	0.228	7.367	0.59596	0.97158	PAP associated domain containing 4	Nucleus	enzyme
7373	SLC35F4	1.036	2.012	0.60113	0.97159	solute carrier family 35, member F4	Other	other
7374	AFB3	0.753	4.876	0.60026	0.97159	AF4/FMR2 family, member 3	Nucleus	transcription regulator
7375	VAV3	0.680	3.481	0.59901	0.97159	vav 3 guanine nucleotide exchange factor	Extracellular Space	cytokine
7376	ANKRD19P	0.678	3.005	0.59829	0.97159	ankyrin repeat domain 19, pseudogene	Other	other
7377	TRC1D2	0.604	4.138	0.59651	0.97159	TRC1 domain family, member 2	Cytoplasm	other
7378	SWA3	0.598	3.604	0.59885	0.97159	snail family zinc finger 3	Nucleus	transcription regulator
7379	PET117	0.542	3.176	0.60114	0.97159	PET117 homolog (S. cerevisiae)	Cytoplasm	other
7380	NKIRAS1	0.513	4.209	0.59918	0.97159	NFKB inhibitor interacting RAS-like 1	Other	enzyme
7381	GAPDHP60	0.463	4.059	0.59991	0.97159	glyceraldehyde-3-phosphate dehydrogenase pseudogene 60	Other	other
7382	GSK3A	0.462	4.163	0.60073	0.97159	glycogen synthase kinase 3 alpha	Nucleus	kinase
7383	C21orf2	0.433	4.586	0.59932	0.97159	chromosome 21 open reading frame 2	Other	other
7384	CAMKMT	0.388	4.810	0.59759	0.97159	calmodulin-lysine N-methyltransferase	Other	other
7385	PKN1	0.386	5.372	0.59922	0.97159	protein kinase N1	Cytoplasm	kinase
7386	APBA3	0.326	5.732	0.60002	0.97159	amyloid beta (A4) precursor protein-binding, family A, member 3	Cytoplasm	transporter
7387	GLYR1	0.318	5.531	0.60037	0.97159	glyoxylate reductase 1 homolog (Arabidopsis)	Other	other
7388	SNRNP48	0.309	5.607	0.59809	0.97159	small nuclear ribonucleoprotein 48kDa (U11/U12)	Nucleus	other
7389	POCK	0.299	6.864	0.5986	0.			

7392	RNF113A	0.254	6.166	0.59777	0.97159	ring finger protein 113A	Extracellular Space	other
7393	SPIN1	0.252	6.740	0.60079	0.97159	spindlin 1	Nucleus	other
7394	VMA21	0.250	6.463	0.59851	0.97159	VMA21 vacuolar H ⁺ -ATPase homolog (S. cerevisiae)	Cytoplasm	other
7395	EEF1B2P3	0.234	6.435	0.59789	0.97159	eukaryotic translation elongation factor 1 beta 2 pseudogene 3	Other	other
7396	TAF3	0.230	6.803	0.59804	0.97159	TAF3 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 140kDa	Nucleus	transcription regulator
7397	ANKRD28	0.217	8.330	0.59985	0.97159	ankyrin repeat domain 28	Cytoplasm	other
7398	OC1AD1	0.211	7.418	0.59863	0.97159	OC1A domain containing 1	Cytoplasm	other
7399	RCOR3	0.208	7.237	0.59828	0.97159	REST corepressor 3	Nucleus	other
7400	PCIF1	0.192	7.429	0.59902	0.97159	POX1 C-terminal inhibiting factor 1	Nucleus	other
7401	SERP1	0.186	8.566	0.60094	0.97159	stress-associated endoplasmic reticulum protein 1	Cytoplasm	other
7402	FTH1	0.183	7.747	0.59802	0.97159	ferritin, heavy polypeptide 1	Cytoplasm	enzyme
7403	PFN5	0.182	8.599	0.5969	0.97159	prefoldin subunit 5	Nucleus	transcription regulator
7404	ZC3HAV1	0.179	8.702	0.59782	0.97159	zinc finger CCHC-type, antiviral 1	Plasma Membrane	other
7405	BAG5	-0.185	7.694	0.59959	0.97159	BCL2-associated athanogene 5	Cytoplasm	other
7406	FOXJ3	-0.199	7.312	0.59852	0.97159	forkhead box j3	Nucleus	transcription regulator
7407	PAPOLG	-0.205	7.360	0.59718	0.97159	poly(A) polymerase gamma	Nucleus	enzyme
7408	ERAP1	-0.208	7.419	0.60056	0.97159	endoplasmic reticulum aminopeptidase 1	Extracellular Space	peptidase
7409	BAZ1B	-0.208	7.718	0.6006	0.97159	bromodomain adjacent to zinc finger domain, 1B	Nucleus	transcription regulator
7410	GIMAP7	-0.239	7.955	0.59973	0.97159	GTPase, IMAP family member 7	Cytoplasm	enzyme
7411	TNFRSF25	-0.245	8.692	0.59988	0.97159	tumor necrosis factor receptor superfamily, member 25	Plasma Membrane	transmembrane receptor
7412	MBP	-0.252	8.106	0.60023	0.97159	myelin basic protein	Extracellular Space	other
7413	MTIF3	-0.259	6.047	0.60025	0.97159	mitochondrial translational initiation factor 3	Cytoplasm	translation regulator
7414	NSF	-0.288	5.986	0.60111	0.97159	N-ethylmaleimide-sensitive factor	Cytoplasm	transporter
7415	PCYT2	-0.300	6.253	0.59702	0.97159	phosphate cytidyltransferase 2, ethanolamine	Cytoplasm	enzyme
7416	SKAP2	-0.332	5.565	0.60063	0.97159	src kinase associated phosphoprotein 2	Cytoplasm	other
7417	DDX49	-0.344	6.201	0.5998	0.97159	DEAD (Asp-Glu-Ala-Asp) box polypeptide 49	Nucleus	enzyme
7418	UBQLN4	-0.463	4.803	0.59789	0.97159	ubiquilin 4	Cytoplasm	other
7419	ASH1L-AS1	-0.474	4.591	0.59838	0.97159	ASH1L antisense RNA 1	Other	other
7420	CBX3P9	-0.485	6.656	0.5969	0.97159	chromobox homolog 3 pseudogene 9	Other	other
7421	TACO1	-0.521	4.128	0.59881	0.97159	translational activator of mitochondrially encoded cytochrome c oxidase I	Cytoplasm	other
7422	TAS2R18	-0.535	3.614	0.59816	0.97159			
7423	TNFRSF4	-0.543	4.996	0.60057	0.97159	tumor necrosis factor receptor superfamily, member 4	Plasma Membrane	transmembrane receptor
7424	RPLP32	-0.642	3.144	0.60052	0.97159	ribosomal protein L9 pseudogene 32	Other	other
7425	THRB	-0.667	3.420	0.60012	0.97159	thyroid hormone receptor, beta	Nucleus	ligand-dependent nuclear receptor
7426	ARHGAP32	-0.673	3.477	0.60101	0.97159	Rho GTPase activating protein 32	Cytoplasm	other
7427	CCDC146	-0.680	3.849	0.59706	0.97159	coiled-coil domain containing 146	Cytoplasm	other
7428	MT1P2	-0.693	2.966	0.59721	0.97159	metallothionein 1H-like 1	Other	other
7429	CDC42BPA	-0.698	3.252	0.60065	0.97159	CDC42 binding protein kinase alpha (DMPK-like)	Cytoplasm	kinase
7430	PVRL3	-0.713	3.656	0.60031	0.97159	polliovirus receptor-related 3	Plasma Membrane	other
7431	EHHADH	-0.758	3.111	0.60078	0.97159	enoyl-CoA hydratase/3-hydroxyacyl CoA dehydrogenase	Cytoplasm	enzyme
7432	ATXN7L2	-0.788	3.718	0.60078	0.97159	ataxin 7-like 2	Other	other
7433	CCDC157	-0.795	2.914	0.59906	0.97159	coiled-coil domain containing 157	Other	other
7434	ALOX12	-0.823	2.403	0.59664	0.97159	arachidonate 12-lipoxygenase	Cytoplasm	enzyme
7435	ADAM20P1	-0.863	3.022	0.59804	0.97159	ADAM metalloproteinase domain 20 pseudogene 1	Other	other
7436	C4orf36	-1.087	2.366	0.60109	0.97159	chromosome 4 open reading frame 36	Other	other
7437	MYO1E	0.932	2.620	0.60211	0.97168	myosin IE	Cytoplasm	enzyme
7438	COX7CP1	0.528	2.987	0.60217	0.97168	cytochrome c oxidase subunit VIc pseudogene 1	Other	other
7439	KIAA1407	0.484	4.724	0.60182	0.97168	KIAA1407	Other	other
7440	LIAS	0.472	4.914	0.60199	0.97168	lipic acid synthetase	Cytoplasm	enzyme
7441	MAP3K1	0.228	6.746	0.60189	0.97168	mitogen-activated protein kinase kinase kinase 1, E3 ubiquitin protein ligase	Cytoplasm	kinase
7442	CUL5	0.224	6.590	0.60169	0.97168	cullin 5	Nucleus	ion channel
7443	GAK	-0.221	6.834	0.60146	0.97168	cyclin G associated kinase	Nucleus	kinase
7444	NHLRC2	-0.276	5.970	0.60201	0.97168	NHL repeat containing 2	Other	enzyme
7445	SMS	-0.365	5.064	0.6015	0.97168	spermine synthase	Cytoplasm	enzyme
7446	ASB7	-0.441	5.023	0.60211	0.97168	ankyrin repeat and SOCS box containing 7	Other	other
7447	ULBP1	-1.054	2.530	0.60166	0.97168	UL16 binding protein 1	Plasma Membrane	transmembrane receptor
7448	ILDR2	-1.147	2.354	0.60136	0.97168	immunoglobulin-like domain containing receptor 2	Other	other
7449	POGLUT1	0.260	6.231	0.60203	0.97176	protein O-glucosyltransferase 1	Extracellular Space	enzyme
7450	PTPRM	1.031	2.206	0.60244	0.97186	protein tyrosine phosphatase, receptor type, M	Plasma Membrane	phosphatase
7451	ZNF365	0.683	3.538	0.60446	0.97212	zinc finger protein 365	Cytoplasm	other
7452	SRD5A3	0.682	3.617	0.60403	0.97212	steroid 5 alpha-reductase 3	Cytoplasm	enzyme
7453	PIN4P1	0.556	3.139	0.60393	0.97212	protein (peptidylprolyl cis/trans isomerase) NIMA-interacting, 4 pseudogene 1	Other	other
7454	CDK5R1	0.536	4.481	0.60393	0.97212	cyclin-dependent kinase 5, regulatory subunit 1 (p35)	Nucleus	kinase
7455	WDPCP	0.425	5.272	0.60461	0.97212	WD repeat containing planar cell polarity effector	Plasma Membrane	other
7456	RPRG	0.418	5.345	0.60405	0.97212	retinitis pigmentosa GTPase regulator	Cytoplasm	other
7457	HOXB2	0.384	5.027	0.60388	0.97212	homeobox B2	Nucleus	transcription regulator
7458	SEPT7P2	0.312	5.703	0.60488	0.97212	septin 7 pseudogene 2	Other	other
7459	TMBIM4	0.310	5.687	0.60423	0.97212	transmembrane BAX inhibitor motif containing 4	Nucleus	other
7460	MDM4	0.188	7.876	0.60443	0.97212	MDM4, p53 regulator	Nucleus	other
7461	USP15	0.178	8.902	0.60387	0.97212	ubiquitin specific peptidase 15	Cytoplasm	peptidase
7462	EIF3D	0.166	8.793	0.60491	0.97212	eukaryotic translation initiation factor 3, subunit D	Cytoplasm	other
7463	JTB	-0.169	8.079	0.60463	0.97212	jumping translocation breakpoint	Plasma Membrane	other
7464	ZNF146	-0.192	8.004	0.60478	0.97212	zinc finger protein 146	Nucleus	other
7465	HEBP2	-0.241	6.520	0.60306	0.97212	heme binding protein 2	Cytoplasm	other
7466	DDX58	-0.259	6.504	0.6027	0.97212	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58	Cytoplasm	enzyme
7467	SLC43A1	-0.279	6.103	0.60423	0.97212	solute carrier family 43 (amino acid system L transporter), member 1	Plasma Membrane	transporter
7468	ISCA2	-0.294	6.094	0.60466	0.97212	iron-sulfur cluster assembly 2	Cytoplasm	other
7469	SPRYD7	-0.412	4.553	0.60494	0.97212	SPRY domain containing 7	Other	other
7470	C8orf76	-0.444	4.213	0.60478	0.97212	chromosome 8 open reading frame 76	Other	other
7471	CZCD2L	-0.499	4.533	0.60355	0.97212	CZCD2-like	Cytoplasm	other
7472	PRIM2	-0.532	3.721	0.60339	0.97212	primase, DNA, polypeptide 2 (58kDa)	Nucleus	enzyme
7473	ZNF737	-0.567	3.692	0.60494	0.97212	zinc finger protein 737	Other	other
7474	LSM14B	-0.569	3.369	0.60404	0.97212	LSM14B, SCDE homolog B (S. cerevisiae)	Other	other
7475	TRGV4	-0.591	3.325	0.60491	0.97212	T cell receptor gamma variable 4	Other	other
7476	TEX2	-0.598	4.638	0.60373	0.97212	testis expressed 2	Other	other
7477	ALS2CL	-0.782	3.625	0.60383	0.97212	ALS2 C-terminal like	Cytoplasm	other
7478	SEMA4F	-0.834	4.278	0.60392	0.97212	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4F	Plasma Membrane	other
7479	FOXR	-0.884	3.269	0.604	0.97212	ferredoxin reductase	Cytoplasm	enzyme
7480	TRPS1	0.487	5.063	0.6051	0.97213	trichorhinophalangeal syndrome 1	Nucleus	transcription regulator
7481	NIP7	-0.308	6.132	0.60515	0.97213	NIP7, nucleolar pre-rRNA processing protein	Nucleus	other
7482	AMPD3	-0.418	5.256	0.60519	0.97213	adenosine monophosphate deaminase 3	Cytoplasm	enzyme
7483	ITSN2	0.174	8.824	0.60528	0.97214	intersectin 2	Cytoplasm	other
7484	LARC59	0.371	4.892	0.60546	0.97229	leucine rich repeat containing 59	Cytoplasm	other
7485	GRK1	-0.572	2.914	0.60569	0.97253	glutamate receptor, ionotropic, kainate 1	Plasma Membrane	ion channel
7486	PRKAG1	-0.206	7.080	0.60599	0.97268	protein kinase, AMP-activated, gamma 1 non-catalytic subunit	Nucleus	kinase
7487	OAS2	-0.290	7.177	0.60589	0.97268	2'-5'-oligoadenylate synthetase 2, 69/71kDa	Cytoplasm	enzyme
7488	DUTP5	-0.828	2.641	0.60603	0.97268	deoxyuridine triphosphatase pseudogene 5	Other	other
7489	DIAPH2	-0.463	4.513	0.60611	0.97269	diaphanous-related formin 2	Cytoplasm	other
7490	ARCN1	0.272	8.214	0.60629	0.97285	archain 1	Cytoplasm	other
7491	MUC20	-0.465	4.073	0.60638	0.97286	mucin 20, cell surface associated	Plasma Membrane	other
7492	CEP95	0.207	7.686	0.60647	0.97286	centrosomal protein 95kDa	Cytoplasm	other
7493	ABHD10	-0.290	5.837	0.60662	0.97286	abhydrolase domain containing 10	Cytoplasm	enzyme
7494	TMEM154	-0.445	5.603	0.60656	0.97286	transmembrane protein 154	Other	other
7495	TRAPP2P1	0.495	4.049	0.60688	0.97308	trafficking protein particle complex 28	Extracellular Space	other
7496	RPL3P12	0.426	4.088	0.60719	0.97308	ribosomal protein L3 pseudogene 12	Other	other
7497	GOLGA1	0.292	6.010	0.60725	0.97308	acgln A1	Cytoplasm	other
7498	NCBP2	0.197	7.623	0.60702	0.97308	nuclear cap binding protein subunit 2, 20kDa	Nucleus	other
7499	TMEM44-A	-0.527	3.520	0.60723	0.97308	TMEM44 antisense RNA 1	Other	other
7500	COQ3	-0.841	2.186	0.6071	0.97308	coenzyme Q3 methyltransferase	Cytoplasm	enzyme
7501	URM1	-0.226	6.408	0.60739	0.97318	ubiquitin related modifier 1	Cytoplasm	other
7502	RELB	0.336	6.585	0.60752	0.97326	v-rel avian reticuloendotheliosis viral oncogene homolog B	Nucleus	transcription regulator
7503	RPL4	0.171	8.220	0.60773	0.97347	ribosomal protein L4	Cytoplasm	enzyme
7504	SF3B5	0.192	7.335	0.60812	0.97354	splicing factor 3b, subunit 5, 10kDa	Nucleus	other
7505	SPS20	0.186	7.425	0.60802	0.97354	ribosomal protein S20	Cytoplasm	other
7506	HNRPDL	-0.164	9.251	0.60797	0.97354	heterogeneous nuclear ribonucleoprotein D-like	Nucleus	other
7507	WSB1	-0.196	8.882	0.60818	0.97354	WD repeat and SOCS box containing 1	Other	other
7508	PTGES3P4	-0.765	2.463	0.60788	0.97354			
7509	DPI19L4	0.387	4.885	0.60933	0.97378	dpr-19-like 4 (C elegans)	Other	other
7510	MAPKAPK3	0.342	6.473	0.60968	0.97378	mitogen-activated protein kinase-activated protein kinase 3	Nucleus	kinase
7511	ID3	0.323	5.349	0.61021	0.97378	inhibitor of DNA binding 3, dominant negative helix-loop-helix protein	Nucleus	transcription regulator
7512	SYNE1	0.280	7.964	0.60883	0.97378	spectrin repeat containing, nuclear envelope 1	Nucleus	other
7513	NDUFAF6	0.269	6.098	0.60954	0.97378	NADH dehydrogenase (ubiquinone) complex I, assembly factor 6	Cytoplasm	other
7514	TRAP1	0.229	6.559	0.60957	0.97378	TNF receptor-associated protein 1	Cytoplasm	enzyme
7515	GDAF2	0.222	6.509	0.60862	0.97378	ganglioside induced differentiation associated protein 2	Cytoplasm	other
7516	CYP20A1	0.193	7.370	0.60984	0.97378	cytochrome P450, family 20, subfamily A, polypeptide 1	Other	enzyme
7517	RNF114	0.183	7.626	0.60938	0.97378	ring finger protein 114	Extracellular Space	other
7518	PPP1R12A	0.180	8.644	0.61027	0.97378	protein phosphatase 1, regulatory subunit 12A	Cytoplasm	phosphatase
7519	TTC19	-0.173	8.272	0.60982	0.97378	tetratricopeptide repeat domain 19	Cytoplasm	other
7520	RALY	-0.182	7.614	0.60995	0.97378	RALY heterogeneous nuclear ribonucleoprotein	Nucleus	other
7521	MEIO4	-0.208	6.690	0.61013	0.97378</			

7524	ELK3	-0.250	6.402	0.60876	0.97378	ELK3, ETS-domain protein (SRF accessory protein 2)	Nucleus	transcription regulator
7525	FIS1	-0.284	6.107	0.60974	0.97378	fission 1 (mitochondrial outer membrane) homolog (S. cerevisiae)	Cytoplasm	other
7526	SLC35A3	-0.300	5.609	0.60991	0.97378	solute carrier family 35 (UDP-N-acetylglucosamine (UDP-GlcNAc) transporter), member A3	Cytoplasm	transporter
7527	PDP1	-0.305	5.905	0.60862	0.97378	pyruvate dehydrogenase phosphatase catalytic subunit 1	Cytoplasm	phosphatase
7528	CLSTN1	-0.309	5.598	0.6102	0.97378	calsynenin 1	Plasma Membrane	other
7529	LMNA	-0.314	7.656	0.60934	0.97378	lamin A/C	Nucleus	other
7530	MLLT1	-0.420	4.801	0.60962	0.97378	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 11	Cytoplasm	other
7531	SEXNA	-0.435	4.352	0.60926	0.97378	sexless 4	Cytoplasm	transporter
7532	PTPA1A1P1	-0.704	2.394	0.60992	0.97378	protein tyrosine phosphatase type IVA, member 1 pseudogene 1	Other	other
7533	GAPVD1	-0.200	7.531	0.61041	0.97387	GTPase activating protein and VPS9 domains 1	Cytoplasm	other
7534	RNF34	-0.186	7.592	0.61054	0.97395	ring finger protein 34, E3 ubiquitin protein ligase	Cytoplasm	enzyme
7535	PHF7	0.548	4.623	0.61101	0.97452	PHD finger protein 7	Nucleus	other
7536	HIVEP1	0.249	6.235	0.61117	0.97452	human immunodeficiency virus type 1 enhancer binding protein 1	Nucleus	transcription regulator
7537	MAP15	-0.405	5.332	0.61117	0.97452	microtubule-associated protein 15	Cytoplasm	enzyme
7538	C14orf182	-0.837	2.525	0.61123	0.97452	long intergenic non-protein coding RNA 1588	Other	other
7539	SETP18	1.374	1.590	0.61169	0.97455	SET-like protein	Other	other
7540	TRAP1	0.944	2.521	0.61191	0.97455	TRAF interacting protein	Cytoplasm	enzyme
7541	RGL1	0.893	3.472	0.61171	0.97455	ral guanine nucleotide dissociation stimulator-like 1	Cytoplasm	other
7542	NCOR2	0.394	5.402	0.61287	0.97455	nuclear receptor corepressor 2	Nucleus	transcription regulator
7543	MPP1E1	0.380	4.731	0.61146	0.97455	metallophosphoesterase 1	Cytoplasm	enzyme
7544	FI4AL	0.337	7.272	0.61293	0.97455	interferon-induced protein 44-like	Other	other
7545	PGGT1B	0.335	5.072	0.61262	0.97455	protein geranylgeranyltransferase type I, beta subunit	Cytoplasm	enzyme
7546	GIMAP5	0.270	8.036	0.61279	0.97455	GTPase, IMAAP family member 5	Cytoplasm	other
7547	MESDC2	0.213	7.109	0.61247	0.97455	mesoderm development candidate 2	Extracellular Space	other
7548	C2orf56	0.211	6.772	0.61171	0.97455	NADH dehydrogenase (ubiquinone) complex 1, assembly factor 7	Cytoplasm	other
7549	DLG1	0.200	7.044	0.61275	0.97455	discs, large homolog 1 (Drosophila)	Plasma Membrane	kinase
7550	ASCC3	-0.188	7.191	0.61218	0.97455	activating signal cointegrator 1 complex subunit 3	Cytoplasm	enzyme
7551	COPZ1	-0.220	7.598	0.61205	0.97455	coatamer protein complex, subunit zeta 1	Cytoplasm	transporter
7552	WDSUB1	-0.385	4.742	0.61256	0.97455	WD repeat, sterile alpha motif and U-box domain containing 1	Other	other
7553	SZRD1	-0.404	5.379	0.61145	0.97455	SUZ RNA binding domain containing 1	Other	other
7554	RFXAP	-0.459	4.415	0.61177	0.97455	regulatory factor X-associated protein	Nucleus	transcription regulator
7555	NAGLU	-0.514	4.421	0.61254	0.97455	N-acetylglucosaminidase, alpha	Cytoplasm	enzyme
7556	SRIF9	-0.837	2.074	0.61225	0.97455	corin pseudogene 3	Other	other
7557	TPST1	-0.841	3.790	0.61278	0.97455	tyrosylprotein sulfotransferase 1	Cytoplasm	enzyme
7558	USP51	-0.869	2.963	0.61276	0.97455	ubiquitin specific peptidase 51	Other	peptidase
7559	ZNF280C	-0.569	3.706	0.61297	0.97459	zinc finger protein 280C	Nucleus	other
7560	RPP40	-0.514	3.454	0.6131	0.97466	ribonuclease P/MRP 40kDa subunit	Nucleus	enzyme
7561	CASC4P1	0.964	2.124	0.61374	0.97492	cancer susceptibility candidate 4 pseudogene 1	Other	other
7562	SHPRH	0.186	7.211	0.61344	0.97492	SNF2 histone linker PHD RING helicase, E3 ubiquitin protein ligase	Nucleus	transcription regulator
7563	HBS1L	-0.185	7.296	0.61364	0.97492	HBS1-like translational GTPase	Cytoplasm	translation regulator
7564	RBM10	-0.211	6.705	0.61345	0.97492	RNA binding motif protein 10	Nucleus	other
7565	SEPT7P6	-0.339	5.117	0.61369	0.97492	septin 7 pseudogene 6	Other	other
7566	PARP1P1	-0.557	3.345	0.61373	0.97492	poly (ADP-ribose) polymerase family, member 1 pseudogene 1	Other	other
7567	ZNF826P	0.723	2.488	0.61445	0.9751	zinc finger protein 826, pseudogene	Other	other
7568	CCDC9	0.535	4.917	0.61438	0.9751	coiled-coil domain containing 9	Extracellular Space	other
7569	CCBL1	0.502	4.441	0.61428	0.9751	cysteine conjugate beta lyase, cytoplasmic	Cytoplasm	enzyme
7570	CUTA	0.197	7.014	0.61414	0.9751	cutA divalent cation tolerance homolog (E. coli)	Cytoplasm	other
7571	SRPK1	-0.226	7.061	0.61459	0.9751	SRSF protein kinase 1	Nucleus	kinase
7572	EPB41	-0.236	7.689	0.61448	0.9751	erythrocyte membrane protein band 4.1	Plasma Membrane	other
7573	CCDC90A	-0.349	5.260	0.61456	0.9751	mitochondrial calcium uniporter regulator 1	Cytoplasm	other
7574	TONMM4OL	-0.698	3.139	0.61414	0.9751	translocase of outer mitochondrial membrane 40 homolog (yeast)-like	Cytoplasm	other
7575	CLSPN	-0.728	2.910	0.61446	0.9751	claspin	Nucleus	other
7576	SMN2	0.761	2.362	0.61494	0.97523	survival of motor neuron 1, telomeric	Nucleus	other
7577	RPL9	0.368	5.304	0.61504	0.97523	ribosomal protein L9	Nucleus	other
7578	SNHG3	0.221	6.684	0.61515	0.97523	small nucleolar RNA host gene 3	Nucleus	other
7579	SLC38A1	-0.164	9.832	0.61493	0.97523	solute carrier family 38, member 1	Plasma Membrane	transporter
7580	ARL6IP6	-0.229	6.359	0.61516	0.97523	ADP-ribosylation factor-like 6 interacting protein 6	Other	other
7581	GPS2	-0.362	5.066	0.61495	0.97523	G protein pathway suppressor 2	Nucleus	transcription regulator
7582	TAGLN2	0.184	8.506	0.61526	0.97527	transgelin 2	Cytoplasm	other
7583	AGAP6	0.494	4.032	0.61563	0.97572	ArfGAP with GTPase domain, ankyrin repeat and PH domain 6	Other	other
7584	KIAA0664	0.588	3.771	0.6159	0.97574	clustered mitochondria (cluA/CLU1) homolog	Cytoplasm	translation regulator
7585	PMF1	0.311	5.325	0.61583	0.97574	polyamine-modulated factor 1	Nucleus	transcription regulator
7586	C14orf43	0.250	6.411	0.61617	0.97574	ELM2 and Myb/SANT-like domain containing 1	Nucleus	other
7587	RPLP2	0.170	8.022	0.61604	0.97574	ribosomal protein, large, P2	Cytoplasm	other
7588	GABARAPL1	-0.185	7.316	0.61629	0.97574	GABA(A) receptor-associated protein-like 2	Cytoplasm	other
7589	SEC13	-0.257	7.345	0.61623	0.97574	SEC13 homolog (S. cerevisiae)	Cytoplasm	transporter
7590	NUBP1	-0.420	4.386	0.61604	0.97574	nucleotide binding protein 1	Cytoplasm	other
7591	HLA-DPB1	-0.691	5.31	0.61627	0.97574	major histocompatibility complex, class II, DP beta 1	Plasma Membrane	transmembrane receptor
7592	ERC6L	0.723	3.694	0.61814	0.97578	excision repair cross-complementation group 6-like	Nucleus	other
7593	ZNF653	0.687	2.494	0.6179	0.97578	zinc finger protein 653	Other	other
7594	ACRBP	0.471	3.767	0.61732	0.97578	acrosin binding protein	Extracellular Space	other
7595	HOOK2	0.467	4.228	0.61819	0.97578	hook microtubule-tethering protein 2	Cytoplasm	other
7596	TRMT44	0.406	5.004	0.61686	0.97578	tRNA methyltransferase 44 homolog (S. cerevisiae)	Other	other
7597	LOH12CR1	0.346	5.221	0.61812	0.97578	loss of heterozygosity, 12, chromosomal region 1	Other	other
7598	NBAS	0.208	6.855	0.61764	0.97578	neuroblastoma amplified sequence	Nucleus	other
7599	PHF20L1	0.182	8.270	0.61802	0.97578	PHD finger protein 20-like 1	Other	other
7600	RPL36	0.176	7.793	0.61752	0.97578	ribosomal protein L36	Cytoplasm	other
7601	DDOST	-0.169	8.459	0.61673	0.97578	dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit (non-catalytic)	Cytoplasm	enzyme
7602	PRKACB	-0.175	7.878	0.6182	0.97578	protein kinase, cAMP-dependent, catalytic, beta	Cytoplasm	kinase
7603	NOL7	-0.204	7.006	0.61815	0.97578	nucleolar protein 7, 27kDa	Nucleus	other
7604	MRP39	-0.222	6.511	0.61754	0.97578	mitochondrial ribosomal protein L39	Cytoplasm	other
7605	RBM18	-0.226	6.757	0.61807	0.97578	RNA binding motif protein 18	Other	other
7606	ING4	-0.228	6.720	0.61659	0.97578	inhibitor of growth family, member 4	Nucleus	transcription regulator
7607	TF1	-0.268	6.410	0.61702	0.97578	transcription termination factor, RNA polymerase I	Nucleus	transcription regulator
7608	C9orf156	-0.284	6.383	0.61698	0.97578	chromosome 9 open reading frame 156	Other	other
7609	PQLC3	-0.286	5.863	0.61796	0.97578	PQ loop repeat containing 3	Other	other
7610	C9orf123	-0.350	5.154	0.6181	0.97578	transmembrane protein 261	Other	other
7611	BTBD9	-0.491	4.729	0.61808	0.97578	BTB (POZ) domain containing 9	Other	other
7612	CHCHD2P6	-0.510	3.554	0.61697	0.97578	coiled-coil-helix-coiled-coil-helix domain containing 2 pseudogene 6	Other	other
7613	GVG1P1	-0.737	2.669	0.61702	0.97578	glycogenin 1 pseudogene 1	Other	other
7614	RLN1	-0.823	2.303	0.61712	0.97578	relaxin 1	Extracellular Space	other
7615	ZC3H18	0.347	5.250	0.61833	0.97589	zinc finger CCHC-type containing 18	Nucleus	other
7616	DNAAF1	0.946	1.641	0.61906	0.97605	dynein, axonemal, assembly factor 1	Cytoplasm	other
7617	TTG4	0.720	2.716	0.61905	0.97605	teratocarcinoma repeat domain 4	Other	other
7618	ATXN7L1	0.406	5.027	0.61879	0.97605	ataxin 7-like 1	Other	other
7619	SVS1	0.279	6.693	0.61868	0.97605	Svs 1 golgi trafficking protein	Cytoplasm	other
7620	RUNC1	0.240	6.372	0.61925	0.97605	RUN domain containing 1	Other	other
7621	CIR1	0.225	6.369	0.61914	0.97605	corepressor interacting with RBP1, 1	Nucleus	transcription regulator
7622	TAOK3	0.166	7.918	0.61922	0.97605	TAO kinase 3	Cytoplasm	kinase
7623	ATG14	-0.250	6.572	0.61909	0.97605	autophagy related 14	Cytoplasm	other
7624	DUSP22	-0.272	5.817	0.61922	0.97605	dual specificity phosphatase 22	Cytoplasm	phosphatase
7625	PSMD3	-0.323	5.930	0.61863	0.97605	proteasome (prosome, macropain) 26S subunit, non-ATPase, 3	Cytoplasm	other
7626	VIPR1-AS1	1.018	1.660	0.61965	0.97627	VIPR1 antisense RNA 1	Other	other
7627	MTRNR2L3	0.830	3.104	0.6202	0.97627	MT-RNR2-like 3	Other	other
7628	TMEM119	0.812	2.437	0.6201	0.97627	transmembrane protein 119	Cytoplasm	other
7629	TRMT5	0.566	3.316	0.61948	0.97627	tRNA methyltransferase 5	Other	other
7630	HIAT1	-0.195	7.743	0.62014	0.97627	hippocampus abundant transcript 1	Other	transporter
7631	SOD2	-0.252	6.989	0.62016	0.97627	superoxide dismutase 2, mitochondrial	Cytoplasm	enzyme
7632	LIMD1	-0.425	4.721	0.61995	0.97627	LIM domains containing 1	Nucleus	transcription regulator
7633	CHKA	-0.454	4.280	0.61997	0.97627	choline kinase alpha	Cytoplasm	kinase
7634	SMARCE1P	-0.498	3.823	0.61961	0.97627	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1 pseudogene 5	Other	other
7635	ELOVL6	-1.159	2.003	0.61974	0.97627	ELOVL fatty acid elongase 6	Cytoplasm	enzyme
7636	PXMP4	0.526	3.681	0.62048	0.97651	peroxisomal membrane protein 4, 24kDa	Cytoplasm	other
7637	HNRNPKP1	-0.495	3.709	0.62051	0.97651	heterogeneous nuclear ribonucleoprotein K pseudogene 1	Other	other
7638	TMEM128	-0.348	4.998	0.62081	0.97685	transmembrane protein 128	Other	other
7639	MZF1	-0.349	5.699	0.62092	0.9769	myeloid zinc finger 1	Nucleus	transcription regulator
7640	SIAH2	0.273	5.915	0.62116	0.97702	siyah E3 ubiquitin protein ligase 2	Nucleus	transcription regulator
7641	MRP57	-0.237	6.562	0.62111	0.97703	mitochondrial ribosomal protein S7	Cytoplasm	other
7642	CTPS2	0.422	4.135	0.62213	0.97703	CTP synthase 2	Cytoplasm	enzyme
7643	MGRN1	0.374	4.847	0.62188	0.97703	mahogunin ring finger 1, E3 ubiquitin protein ligase	Cytoplasm	enzyme
7644	KLHL8	0.364	5.472	0.62244	0.97703	kelch-like family member 8	Nucleus	other
7645	PDE12	0.327	5.708	0.62226	0.97703	phosphodiesterase 12	Cytoplasm	other
7646	ZNF248	0.309	5.786	0.62232	0.97703	zinc finger protein 248	Nucleus	other
7647	TAF11	0.284	5.737	0.62147	0.97703	TAF11 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 28kDa	Nucleus	transcription regulator
7648	GPR65	0.244	6.850	0.62235	0.97703	G protein-coupled receptor 65	Plasma Membrane	G-protein coupled receptor
7649	ALG13	0.234	6.693	0.62186	0.97703	ALG13, UDP-N-acetylglucosaminyltransferase subunit	Cytoplasm	enzyme
7650	SF3A1	0.229	6.661	0.62173	0.97703	splicing factor 3a, subunit 1, 120kDa	Nucleus	other
7651	ZNF131	0.197	7.290	0.62222	0.97703	zinc finger protein 131	Nucleus	transcription regulator
7652	RAP1B	0.193	7.024	0.62224	0.97703	RAP1B, member of RAS oncogene family	Cytoplasm	enzyme
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7656	LIN7C	-0.206	6.869	0.62163	0.97703	lin-7 homolog C (C. elegans)	Cytoplasm	other
7657	SGOL2	-0.479	4.129	0.62228	0.97703	shugoshin-like 2 (S. pombe)	Nucleus	other
7658	SLC31A1	0.466	4.470	0.62296	0.97723	solute carrier family 31 (copper transporter), member 1	Plasma Membrane	transporter
7659	MEF2D	0.323	5.387	0.62295	0.97723	myocyte enhancer factor 2D	Nucleus	transcription regulator
7660	TRIM38	0.266	7.273	0.62295	0.97723	tripartite motif containing 38	Cytoplasm	other
7661	KPNAB	-0.249	6.820	0.62317	0.97723	karyopherin alpha 3 (importin alpha 4)	Nucleus	transporter
7662	YBEY	-0.427	4.346	0.62309	0.97723	yberY metalloproteinase (putative)	Cytoplasm	other
7663	TNFRSF1A	-0.437	4.956	0.62316	0.97723	tumor necrosis factor receptor superfamily, member 1A	Plasma Membrane	transmembrane receptor
7664	TMTCA	-0.642	3.700	0.62271	0.97723	transmembrane and tetrapeptide repeat containing 4	Other	other
7665	MIR4426	0.332	5.112	0.62332	0.97726	microRNA 4426	Cytoplasm	microRNA
7666	RNF7	0.239	6.286	0.62335	0.97726	ring finger protein 7	Nucleus	enzyme
7667	LINC00265	-0.719	2.682	0.62351	0.97738	long intergenic non-protein coding RNA 265	Other	other
7668	SH3BP1	0.670	3.240	0.62404	0.97753	SH3-domain binding protein 1	Other	other
7669	CCDC22	0.367	5.443	0.62413	0.97753	coiled-coil domain containing 22	Cytoplasm	other
7670	STX18	0.331	5.422	0.62385	0.97753	syntaxin 18	Cytoplasm	transporter
7671	SP4	0.310	5.698	0.62436	0.97753	Sp4 transcription factor	Nucleus	transcription regulator
7672	DERL2	-0.165	7.903	0.62426	0.97753	derlin 2	Cytoplasm	other
7673	DNAJB9	-0.192	7.871	0.6237	0.97753	dnal (Hsp40) homolog, subfamily B, member 9	Nucleus	other
7674	ADK	-0.228	6.518	0.62442	0.97753	adenosine kinase	Nucleus	kinase
7675	CHMP2B	-0.246	6.772	0.6245	0.97753	charged multivesicular body protein 2B	Cytoplasm	other
7676	PRR14	-0.309	5.511	0.62441	0.97753	proline rich 14	Other	other
7677	CIOTNF6	-0.519	3.511	0.62432	0.97753	Cla and tumor necrosis factor related protein 6	Extracellular Space	other
7678	SLC2A8	-0.550	4.423	0.62389	0.97753	solute carrier family 2 (facilitated glucose transporter), member 8	Plasma Membrane	transporter
7679	LINC00612	0.559	4.695	0.62469	0.97766	long intergenic non-protein coding RNA 612	Other	other
7680	DNASE1	-0.242	6.606	0.62474	0.97766	deoxyribonuclease I	Extracellular Space	enzyme
7681	RASAL3	0.207	8.267	0.62496	0.97788	RAS protein activator like 3	Cytoplasm	other
7682	DISC1	0.820	3.046	0.62566	0.9779	disrupted in schizophrenia 1	Cytoplasm	other
7683	BCORL1	0.692	2.098	0.62664	0.9779	BCL6 corepressor-like 1	Nucleus	transcription regulator
7684	FAM174A	0.590	3.305	0.62515	0.9779	family with sequence similarity 174, member A	Extracellular Space	other
7685	COX16	0.573	3.896	0.62647	0.9779	COX16 cytochrome c oxidase assembly homolog (S. cerevisiae)	Cytoplasm	other
7686	LPAR2	0.383	5.555	0.62652	0.9779	lysophosphatidic acid receptor 2	Plasma Membrane	G-protein coupled receptor
7687	SLC12A2	0.356	5.382	0.62636	0.9779	solute carrier family 12 (sodium/potassium/chloride transporter), member 2	Plasma Membrane	transporter
7688	UBE2O	0.279	5.880	0.62604	0.9779	ubiquitin-conjugating enzyme E2O	Nucleus	enzyme
7689	EDM2	0.234	6.504	0.62655	0.9779	E6 degradation enhancer, mannosidase alpha-like 2	Cytoplasm	enzyme
7690	ACIN1	0.203	6.885	0.62524	0.9779	apoptotic chromatin condensation inducer 1	Nucleus	enzyme
7691	UBQLN2	0.196	6.998	0.62633	0.9779	ubiquitin 2	Nucleus	other
7692	SF3B2	0.168	8.142	0.62583	0.9779	splicing factor 3b, subunit 2, 145kDa	Nucleus	other
7693	C20orf43	-0.189	7.263	0.62675	0.9779	replication termination factor 2 domain containing 1	Other	other
7694	PTGES2	-0.234	6.288	0.6255	0.9779	prostaglandin E synthase 2	Cytoplasm	transcription regulator
7695	O9-mars	-0.255	6.431	0.6251	0.9779			
7696	FKBP8	-0.297	5.813	0.62666	0.9779	FK506 binding protein 8, 38kDa	Cytoplasm	other
7697	FEN1	-0.337	6.157	0.62656	0.9779	flap structure-specific endonuclease 1	Nucleus	enzyme
7698	KIAA1328	-0.427	5.032	0.62574	0.9779	KIAA1328	Other	other
7699	C12orf45	-0.511	4.301	0.62647	0.9779	chromosome 12 open reading frame 45	Other	other
7700	LIN37	-0.587	3.726	0.62664	0.9779	lin-37 DREAM-Med6 core complex component	Nucleus	other
7701	SOS1-IT1	-0.625	3.694	0.62676	0.9779	SOS1 intronic transcript 1	Other	other
7702	HIST4HA	-0.762	2.861	0.62644	0.9779	histone cluster 4, H4	Nucleus	other
7703	CSAR1	-1.162	1.694	0.62666	0.9779	complement component 5a receptor 1	Plasma Membrane	G-protein coupled receptor
7704	CKB	0.675	3.014	0.62711	0.97792	creatine kinase, brain	Cytoplasm	kinase
7705	NMD3	0.197	6.917	0.62702	0.97792	NMD3 ribosome export adaptor	Nucleus	other
7706	TAPT1	-0.313	5.736	0.62708	0.97792	transmembrane anterior posterior transformation 1	Plasma Membrane	G-protein coupled receptor
7707	ZNF781	-0.730	3.089	0.62704	0.97792	zinc finger protein 781	Other	other
7708	RPA2	0.183	7.262	0.62729	0.97808	RNA polymerase II associated protein 2	Nucleus	enzyme
7709	LYG1	0.647	2.876	0.6275	0.97818	lysozyme G-like 1	Extracellular Space	other
7710	MFS06	-0.266	6.007	0.62751	0.97818	major facilitator superfamily domain containing 6	Other	other
7711	FADS3	0.346	5.123	0.62796	0.9785	fatty acid desaturase 3	Plasma Membrane	enzyme
7712	PP1B	0.203	7.126	0.62794	0.9785	peptidyl/tyrosyl isomerase B (cyclophilin B)	Cytoplasm	enzyme
7713	WBSCR22	0.178	7.361	0.62806	0.9785	Williams Beuren syndrome chromosome region 22	Nucleus	enzyme
7714	ZNF12	-0.221	6.983	0.62809	0.9785	zinc finger protein 12	Nucleus	transcription regulator
7715	ALKB3	-0.324	5.577	0.62813	0.9785	alkB, alkylation repair homolog 3 (E. coli)	Nucleus	enzyme
7716	RNA5H1P	-0.584	2.967	0.62829	0.97862	ribonuclease H1 pseudogene 2	Other	other
7717	C9orf85	0.396	4.466	0.62845	0.97875	chromosome 9 open reading frame 85	Other	other
7718	SLC39A11	0.653	3.591	0.62853	0.97875	solute carrier family 39, member 11	Other	transporter
7719	NRP1	-0.946	2.006	0.62871	0.9789	neuropilin 1	Plasma Membrane	transmembrane receptor
7720	TBC1D8	0.685	3.681	0.63062	0.97901	TBC1 domain family, member 8 (with GRAM domain)	Plasma Membrane	other
7721	NUDT1	0.591	4.045	0.62976	0.97901	nudix (nucleoside diphosphate linked moiety X)-type motif 1	Extracellular Space	phosphatase
7722	ABHD16A	0.578	3.228	0.62986	0.97901	abhydrolase domain containing 16A	Other	other
7723	ZGPAT	0.551	3.666	0.63053	0.97901	zinc finger, CCHC-type with G patch domain	Nucleus	transcription regulator
7724	ZNF551	0.509	5.256	0.63073	0.97901	zinc finger protein 551	Nucleus	other
7725	NID2	0.492	4.128	0.62991	0.97901	nidogen 2 (osteonidogen)	Extracellular Space	other
7726	MB21D2	0.474	5.196	0.63051	0.97901	Mab-21 domain containing 2	Other	other
7727	ACP6	0.454	4.726	0.63061	0.97901	acid phosphatase 6, lysophosphatidic	Cytoplasm	phosphatase
7728	TRAF2	0.416	6.041	0.6304	0.97901	TNF receptor-associated factor 2	Cytoplasm	enzyme
7729	UTP20	0.367	5.078	0.63048	0.97901	UTP20, small subunit (SSU) processome component, homolog (yeast)	Nucleus	other
7730	MRPL9	0.269	5.799	0.63053	0.97901	mitochondrial ribosomal protein L9	Cytoplasm	translation regulator
7731	CTR9	0.181	7.984	0.62961	0.97901	CTR9, Paf1/RNA polymerase II complex component	Nucleus	other
7732	SKP1	0.171	8.478	0.63054	0.97901	S-phase kinase-associated protein 1	Nucleus	transcription regulator
7733	C11orf58	-0.163	7.964	0.63074	0.97901	chromosome 11 open reading frame 58	Other	other
7734	RAC2	-0.166	8.981	0.63008	0.97901	ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)	Cytoplasm	enzyme
7735	APRT	-0.170	7.870	0.62948	0.97901	adenine phosphoribosyltransferase	Cytoplasm	enzyme
7736	MIR525	-0.207	6.929	0.62925	0.97901	mitochondrial ribosomal protein S25	Cytoplasm	other
7737	WDK6	-0.212	6.672	0.62989	0.97901	WD repeat domain 61	Nucleus	other
7738	PPOX	-0.303	5.597	0.63039	0.97901	protoporphyrinogen oxidase	Cytoplasm	enzyme
7739	POU4	-0.389	5.899	0.62911	0.97901	polymerase (DNA directed), eta	Nucleus	enzyme
7740	MAST2	-0.448	4.097	0.62991	0.97901	microtubule associated serine/threonine kinase 2	Cytoplasm	kinase
7741	GPAM	-0.579	4.186	0.63028	0.97901	glycerol 3-phosphate acyltransferase, mitochondrial	Cytoplasm	enzyme
7742	ST13P4	-0.962	1.832	0.63013	0.97901	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein) pseudogene 4	Cytoplasm	other
7743	CNN2P9	-1.025	1.712	0.62949	0.97901	calponin 2 pseudogene 9	Other	other
7744	HEATR3	0.660	3.054	0.63108	0.97914	HEAT repeat containing 3	Other	other
7745	DDX31	0.460	4.615	0.63109	0.97914	DEAD (Asp-Glu-Ala-Asp) box polypeptide 31	Nucleus	enzyme
7746	TAGLN2P1	0.281	5.786	0.63093	0.97914	transgelin 2 pseudogene 1	Other	other
7747	TMEM160	0.276	5.548	0.63118	0.97914	transmembrane protein 160	Cytoplasm	other
7748	SLMO2	-0.213	6.674	0.63122	0.97914	slmo2 homolog 2 (Drosophila)	Cytoplasm	other
7749	CFP	0.795	2.932	0.63283	0.97936	complement factor properdin	Extracellular Space	other
7750	FAM115A	0.457	3.435	0.63237	0.97936	TRPM8 channel-associated factor 1	Plasma Membrane	other
7751	AKAP1	0.428	4.900	0.6324	0.97936	A kinase (PRKA) anchor protein 1	Cytoplasm	other
7752	HCFC1	0.294	5.334	0.63192	0.97936	host cell factor C1	Nucleus	transcription regulator
7753	TRAPP2C	0.293	5.538	0.6325	0.97936	trafficking protein particle complex 2	Cytoplasm	other
7754	CASD1	0.280	5.915	0.63229	0.97936	CAS1 domain containing 1	Cytoplasm	enzyme
7755	POU5F2	0.268	5.836	0.6327	0.97936	POU domain class 5, transcription factor 2	Nucleus	transcription regulator
7756	CSPP1	0.263	6.249	0.63268	0.97936	centrosome and spindle pole associated protein 1	Cytoplasm	other
7757	GRAP2	0.214	7.191	0.63165	0.97936	GRB2-related adaptor protein 2	Cytoplasm	other
7758	CNST	0.213	6.999	0.63155	0.97936	consortin, connexin sorting protein	Cytoplasm	other
7759	RPLP1	0.163	8.575	0.63223	0.97936	ribosomal protein, large, P1	Cytoplasm	other
7760	CPSF3L	-0.181	7.153	0.63244	0.97936	cleavage and polyadenylation specific factor 3-like	Nucleus	other
7761	PP1A	-0.190	6.955	0.63217	0.97936	peptidyl/tyrosyl isomerase A (cyclophilin A)	Cytoplasm	enzyme
7762	POLR2A	-0.243	6.100	0.63281	0.97936	polymrase (RNA) II (DNA directed) polypeptide A, 220kDa	Nucleus	enzyme
7763	RGSTP1	-0.586	2.731	0.63249	0.97936	regulator of G-protein signaling 17 pseudogene 1	Other	other
7764	TMEM102	-0.600	3.665	0.63277	0.97936	transmembrane protein 102	Plasma Membrane	other
7765	GALM	-0.613	4.865	0.63246	0.97936	galactose mutarotase (aldose 1-epimerase)	Cytoplasm	enzyme
7766	KIAA1199	-0.711	2.879	0.63225	0.97936	cell migration inducing protein, hyaluronan binding	Cytoplasm	enzyme
7767	S100A10	0.161	7.844	0.63293	0.97938	S100 calcium binding protein A10	Cytoplasm	other
7768	RHCC1L	-0.209	7.071	0.63316	0.97948	R3H domain and coiled-coil containing 1-like	Other	other
7769	NAP1L2	-0.467	4.099	0.63315	0.97948	nucleosome assembly protein 1-like 2	Nucleus	other
7770	FAM60A	-0.240	6.186	0.63333	0.97962	family with sequence similarity 60, member A	Extracellular Space	other
7771	CEP128	0.488	4.334	0.63345	0.97968	centrosomal protein 128kDa	Cytoplasm	other
7772	TRIAP1	0.228	6.297	0.63396	0.98034	TP53 regulated inhibitor of apoptosis 1	Cytoplasm	other
7773	DDX3X	0.163	9.783	0.63431	0.98075	DEAD (Asp-Glu-Ala-Asp) box helicase 3, X-linked	Cytoplasm	enzyme
7774	MICA	-0.485	3.948	0.63439	0.98075	MHC class I polypeptide-related sequence A	Plasma Membrane	other
7775	HERC2	-0.272	5.963	0.63451	0.98081	HECT and RLD domain containing E3 ubiquitin protein ligase 2	Cytoplasm	enzyme
7776	IKZF1	0.171	9.096	0.63472	0.98083	IKAROS family zinc finger 1 (Ikaros)	Nucleus	transcription regulator
7777	ATPSG2P4	-0.307	5.206	0.63463	0.98083	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit C2 (subunit 9) pseudogene 4	Other	other
7778	OGFOD1P1	-0.681	3.378	0.63476	0.98083	2-oxoglutarate and iron-dependent oxygenase domain containing 1 pseudogene 1	Other	other
7779	CYP3A7	0.858	2.032	0.63485	0.98084	cytochrome P450, family 3, subfamily A, polypeptide 7	Cytoplasm	enzyme
7780	C19orf40	0.913	2.965	0.63578	0.98089	chromosome 19 open reading frame 40	Nucleus	other
7781	RPL13AP7	0.749	2.180	0.63549	0.98089	ribosomal protein L13a pseudogene 7	Other	other
7782	CARD9	0.670	3.438	0.63552	0.98089	caspase recruitment domain family, member 9	Cytoplasm	other
7783	NCSTN	0.243	6.912	0.63696	0.98089	nicastrin	Plasma Membrane	peptidase
7784	RPL15P3	0.223	6.215	0.63568	0.98089	ribosomal protein L15 pseudogene 3	Other	other
7785	WTAP	0.						

7788	CLK1	-0.155	8.973	0.63626	0.98089	CDK-like kinase 1	Nucleus	kinase
7789	DYNC1H1	-0.158	8.333	0.63692	0.98089	dynein, cytoplasmic 1, heavy chain 1	Cytoplasm	peptidase
7790	SCAF4	-0.191	6.849	0.63588	0.98089	SR-related CTD-associated factor 4	Nucleus	other
7791	C22orf32	-0.200	6.872	0.63545	0.98089	single-pass membrane protein with aspartate-rich tail 1	Extracellular Space	other
7792	METTL14	-0.204	6.740	0.63687	0.98089	methyltransferase like 14	Nucleus	enzyme
7793	PROSER1	-0.258	6.232	0.63658	0.98089	proline and serine rich 1	Other	other
7794	CHRAIC1	-0.263	6.287	0.63637	0.98089	chromatin accessibility complex 1	Nucleus	enzyme
7795	TPR1	-0.276	6.267	0.63594	0.98089	nositol 1,4,5-trisphosphate receptor, type 1	Cytoplasm	ion channel
7796	PPP9	-0.298	5.283	0.63772	0.98089	dipeptidyl-peptidase 9	Cytoplasm	peptidase
7797	UPRT	-0.300	5.611	0.63715	0.98089	uracil phosphoribosyltransferase (FUR1) homolog (S. cerevisiae)	Other	enzyme
7798	GTDC1	-0.301	5.936	0.63699	0.98089	glycosyltransferase-like domain containing 1	Other	other
7799	CAPG	-0.339	7.180	0.63625	0.98089	capping protein (actin filament), gelsolin-like	Nucleus	other
7800	TMEM48	-0.422	5.465	0.63709	0.98089	NDC1 transmembrane nucleoporin	Nucleus	other
7801	HEATR2	-0.424	4.235	0.63733	0.98089	dynein, axonemal, assembly factor 5	Cytoplasm	other
7802	CTDNEP1	-0.448	4.497	0.63701	0.98089	CTD nuclear envelope phosphatase 1	Extracellular Space	phosphatase
7803	C19orf55	-0.452	3.963	0.63553	0.98089	proline and serine rich 3	Other	other
7804	OSTCP1	-0.494	3.286	0.63731	0.98089	oligosaccharyltransferase complex subunit pseudogene 1	Other	other
7805	RIMKLBP2	-0.516	3.936	0.63724	0.98089	ribosomal modification protein rimk-like family member 8 pseudogene 2	Other	other
7806	BRD7P4	-0.580	2.969	0.63732	0.98089	bromodomain containing 7 pseudogene 4	Other	other
7807	FKBP7	-0.742	2.200	0.63556	0.98089	FK506 binding protein 7	Cytoplasm	enzyme
7808	BEND3	-0.855	3.289	0.63591	0.98089	BEK domain containing 3	Other	other
7809	ARHGAP11	-0.904	2.241	0.63709	0.98089	Rho GTPase activating protein 11A	Cytoplasm	other
7810	RRAGB	0.345	5.247	0.63801	0.98161	Ras-related GTP binding B	Cytoplasm	enzyme
7811	PPIF	-0.297	5.782	0.63812	0.98161	peptidylprolyl isomerase f	Cytoplasm	enzyme
7812	PCGF1	-0.332	5.220	0.63813	0.98161	polycomb group ring finger 1	Nucleus	other
7813	ZNFB61	-0.412	4.639	0.63791	0.98161	zinc finger protein 681	Other	other
7814	EID3	0.361	4.968	0.6385	0.98168	EP300 interacting inhibitor of differentiation 3	Cytoplasm	other
7815	MED31	0.324	5.065	0.63846	0.98168	mediator complex subunit 31	Nucleus	other
7816	PPP2R3C	-0.222	6.510	0.63843	0.98168	protein phosphatase 2, regulatory subunit B'', gamma	Cytoplasm	other
7817	COQ6	-0.380	4.750	0.63832	0.98168	coenzyme Q6 monooxygenase	Cytoplasm	enzyme
7818	SPAG5-AS1	0.504	4.413	0.63883	0.98205	SPAG5 antisense RNA 1	Other	other
7819	ITGAV	-0.386	4.682	0.63908	0.98231	integrin, alpha V	Plasma Membrane	ion channel
7820	YWHAZP3	0.401	4.130	0.63948	0.98245	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta pseudogene 3	Other	other
7821	PNL12	0.385	5.536	0.63955	0.98245	peptidylprolyl isomerase [cyclophilin]-like 2	Nucleus	enzyme
7822	SYNU2BP	0.253	6.020	0.63926	0.98245	synaptotagmin 2 binding protein	Cytoplasm	other
7823	TEX261	-0.200	6.747	0.63952	0.98245	testis expressed 261	Extracellular Space	other
7824	GPR98	-0.619	2.478	0.63957	0.98245	adhesion G protein-coupled receptor V1	Plasma Membrane	G-protein coupled receptor
7825	ANGPT2	0.479	4.477	0.63975	0.98257	angiopoietin 2	Extracellular Space	growth factor
7826	ZNFB78	-0.434	4.735	0.63982	0.98257	zinc finger protein 678	Nucleus	other
7827	CA11	0.672	3.117	0.63998	0.98265	carbonic anhydrase XI	Extracellular Space	enzyme
7828	AKT3	0.292	6.068	0.64013	0.98265	v-akt murine thymoma viral oncogene homolog 3	Cytoplasm	kinase
7829	FARS2	-0.278	5.622	0.64012	0.98265	phenylalanyl-tRNA synthetase 2, mitochondrial	Cytoplasm	enzyme
7830	ACO2	-0.328	6.816	0.6402	0.98265	aconitase 2, mitochondrial	Cytoplasm	enzyme
7831	RNF2P1	0.738	2.660	0.6423	0.98267	ring finger protein 2 pseudogene 1	Other	other
7832	TNXL4B	0.541	4.747	0.64272	0.98267	thioredoxin-like 4b	Nucleus	enzyme
7833	STRN4	0.464	5.592	0.64267	0.98267	stratist, calmodulin binding protein 4	Cytoplasm	other
7834	HIC2	0.395	4.438	0.64322	0.98267	hypermethylated in cancer 2	Nucleus	other
7835	AGPAT5	0.368	5.519	0.64241	0.98267	1-acylglycerol-3-phosphate O-acyltransferase 5	Cytoplasm	enzyme
7836	UBXN11	0.364	6.341	0.64319	0.98267	UBX domain protein 11	Cytoplasm	other
7837	C22orf29	0.332	5.392	0.6428	0.98267	chromosome 22 open reading frame 29	Cytoplasm	other
7838	TRIM8	0.330	5.395	0.64305	0.98267	tripartite motif containing 8	Nucleus	other
7839	ZNFS70	0.312	5.602	0.64221	0.98267	zinc finger protein 570	Nucleus	other
7840	ELP4	0.298	5.376	0.64095	0.98267	elongator acetyltransferase complex subunit 4	Cytoplasm	other
7841	HDAC8	0.284	5.641	0.64284	0.98267	histone deacetylase 8	Nucleus	transcription regulator
7842	C1orf174	0.241	6.214	0.64307	0.98267	chromosome 1 open reading frame 174	Nucleus	other
7843	PRM1	0.218	6.629	0.64219	0.98267	Prm-1 proto-oncogene, serine/threonine kinase	Cytoplasm	kinase
7844	JHDM1D	0.205	7.809	0.64213	0.98267	lysine (K)-specific demethylase 7A	Nucleus	enzyme
7845	RPS18	0.182	7.152	0.64243	0.98267	ribosomal protein S18	Cytoplasm	other
7846	MRPS18B	0.170	7.350	0.64066	0.98267	mitochondrial ribosomal protein S18b	Cytoplasm	other
7847	METTL9	0.169	7.468	0.64356	0.98267	methyltransferase like 9	Other	other
7848	UBA52	0.159	7.888	0.64332	0.98267	ubiquitin A-52 residue ribosomal protein fusion product 1	Cytoplasm	enzyme
7849	RSL1D1	0.157	8.627	0.64081	0.98267	ribosomal L1 domain containing 1	Nucleus	other
7850	SSR2	0.155	8.852	0.64127	0.98267	signal sequence receptor, beta (translocon-associated protein beta)	Cytoplasm	other
7851	BSG	-0.159	8.195	0.64081	0.98267	basigin (Ok blood group)	Plasma Membrane	transporter
7852	USP11	-0.171	7.658	0.64381	0.98267	ubiquitin specific peptidase 11	Nucleus	peptidase
7853	STK25	-0.180	7.076	0.6419	0.98267	serine/threonine kinase 25	Cytoplasm	kinase
7854	MDN1	-0.189	7.273	0.64197	0.98267	MDN1, midasin homolog (yeast)	Nucleus	other
7855	ZNFB32	-0.216	6.397	0.64087	0.98267	zinc finger protein 32	Nucleus	other
7856	TRAF2	-0.217	6.472	0.64311	0.98267	humanin actin-binding protein 2	Cytoplasm	kinase
7857	RAD17	-0.224	6.259	0.6437	0.98267	RAO17 homolog (S. pombe)	Nucleus	enzyme
7858	TIMMDC1	-0.235	6.439	0.64322	0.98267	translocase of inner mitochondrial membrane domain containing 1	Cytoplasm	other
7859	NDUFA8	-0.254	5.724	0.64296	0.98267	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 8, 190da	Cytoplasm	enzyme
7860	AHCTF1	-0.258	5.702	0.64161	0.98267	AT hook containing transcription factor 1	Nucleus	transcription regulator
7861	TTC27	-0.263	5.953	0.64346	0.98267	tetratricopeptide repeat domain 27	Other	other
7862	KNTC1	-0.271	6.187	0.64256	0.98267	kinetochore associated 1	Nucleus	other
7863	GEMIN5	-0.301	5.720	0.64379	0.98267	gem (nuclear organelle) associated protein 5	Nucleus	other
7864	ADCY10P1	-0.302	5.613	0.64339	0.98267	adenylate cyclase 10 (soluble) pseudogene 1	Other	other
7865	TUBD1	-0.322	5.383	0.64193	0.98267	tubulin, delta 1	Cytoplasm	other
7866	PTPN23	-0.333	5.123	0.64276	0.98267	protein tyrosine phosphatase, non-receptor type 23	Cytoplasm	phosphatase
7867	STK3	-0.356	4.917	0.64077	0.98267	serine/threonine kinase 3	Cytoplasm	kinase
7868	INCCO0662	-0.393	5.104	0.64204	0.98267	long intergenic non-protein coding RNA 662	Other	other
7869	ADC2	-0.434	4.278	0.64235	0.98267	saif-domain containing kinase 2	Cytoplasm	kinase
7870	ZNFA16	-0.535	4.391	0.64314	0.98267	zinc finger protein 416	Nucleus	other
7871	SPAG16	-0.568	3.348	0.64105	0.98267	sperm associated antigen 16	Cytoplasm	other
7872	KIAA1609	-0.636	3.815	0.64133	0.98267	TBC/LysM-associated domain containing 1	Cytoplasm	other
7873	RSPH4A	-0.821	2.396	0.64302	0.98267	radial spoke head 4 homolog A (Chlamydomonas)	Nucleus	other
7874	RAPSIN	-0.870	2.536	0.64215	0.98267	receptor-associated protein of the synapse	Plasma Membrane	other
7875	MT-ND4L	0.167	7.364	0.64391	0.98271	NADH dehydrogenase, subunit 4L (complex I)	Cytoplasm	enzyme
7876	PCNT	0.229	6.246	0.64408	0.98278	pericentrin	Cytoplasm	other
7877	PAH4	0.181	8.943	0.64417	0.98278	prolyl 4-hydroxylase, beta polypeptide	Cytoplasm	enzyme
7878	ST13P5	-0.408	3.965	0.6442	0.98278	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein) pseudogene 5	Cytoplasm	other
7879	LUCL7L3	0.165	9.211	0.64446	0.98293	LUCL7-like 3 (S. cerevisiae)	Nucleus	other
7880	CWC22	-0.200	7.338	0.64446	0.98293	CWC22 spliceosome-associated protein	Nucleus	other
7881	BAD	-0.324	5.027	0.64463	0.98293	BC12-associated agonist of cell death	Cytoplasm	other
7882	ZCCHC9	-0.382	5.299	0.64447	0.98293	zinc finger, CCHC domain containing 9	Other	other
7883	FAM92A1P	0.728	2.451	0.64478	0.98293	family with sequence similarity 92, member A2 (pseudogene)	Other	other
7884	MAN1A2	0.168	7.849	0.64479	0.98293	mannosidase, alpha, class 1A, member 2	Cytoplasm	enzyme
7885	CHMP4BP1	1.106	1.782	0.647	0.98306	charged multivesicular body protein 4B pseudogene 1	Other	other
7886	ACY1	0.722	1.825	0.64561	0.98306	aminocyclase 1	Cytoplasm	peptidase
7887	ORAI3	0.511	3.904	0.64645	0.98306	ORAI calcium release-activated calcium modulator 3	Other	other
7888	POLR2J	0.262	5.670	0.64626	0.98306	polymerase (RNA) II (DNA directed) polypeptide J, 13-340a	Other	enzyme
7889	TGIF1	0.221	6.686	0.64555	0.98306	TGFB-induced factor homeobox 1	Nucleus	transcription regulator
7890	EFTUD2	0.211	7.635	0.64671	0.98306	elongation factor Tu GTP binding domain containing 2	Nucleus	enzyme
7891	GGPS1	0.183	6.973	0.64696	0.98306	geranyl/geranyl diphosphate synthase 1	Cytoplasm	enzyme
7892	COX5B	-0.171	7.087	0.64522	0.98306	cytochrome c oxidase subunit Vb	Cytoplasm	enzyme
7893	PPN6R3	-0.173	7.465	0.64611	0.98306	protein phosphatase 6, regulatory subunit 3	Cytoplasm	other
7894	RFC1	-0.191	7.115	0.64559	0.98306	replication factor C (activator 1) 1, 145kDa	Nucleus	transcription regulator
7895	MPZL3	-0.200	7.991	0.647	0.98306	myelin protein zero-like 3	Other	other
7896	MLLT3	-0.201	7.544	0.64506	0.98306	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 3	Nucleus	other
7897	ATP6V1F	-0.208	6.532	0.64642	0.98306	ATPase, H+ transporting, lysosomal 14kDa, V1 subunit F	Cytoplasm	enzyme
7898	LRCH3	-0.214	7.308	0.64564	0.98306	leucine-rich repeats and calponin homology (CH) domain containing 3	Cytoplasm	other
7899	NOL9	-0.242	6.024	0.64611	0.98306	nucleolar protein 9	Nucleus	other
7900	C5orf28	-0.245	6.023	0.64685	0.98306	chromosome 5 open reading frame 28	Other	other
7901	GOT1	-0.303	5.778	0.64641	0.98306	glutamic-oxaloacetic transaminase 1, soluble	Cytoplasm	enzyme
7902	RIC8B	-0.368	5.250	0.64591	0.98306	RIC8 guanine nucleotide exchange factor B	Cytoplasm	other
7903	MCM3AP-A	-0.517	4.766	0.64563	0.98306	MCM3AP antisense RNA 1	Other	other
7904	RSL24D1P1	-0.536	3.064	0.64627	0.98306	ribosomal L24 domain containing 1 pseudogene 11	Other	other
7905	C17orf61	-0.538	3.068	0.64678	0.98306	transmembrane protein 256	Cytoplasm	other
7906	MKNRNP	-0.570	2.569	0.64663	0.98306	makorin ring finger protein 9, pseudogene	Other	other
7907	RRP12	-0.620	3.772	0.64671	0.98306	ribosomal RNA processing 12 homolog (S. cerevisiae)	Nucleus	other
7908	CDCP1	-0.765	3.240	0.64694	0.98306	CUB domain containing protein 1	Plasma Membrane	other
7909	ZNFB74	-0.817	2.408	0.64577	0.98306	zinc finger protein 674	Other	other
7910	HIST1H2BN	-0.871	2.129	0.64686	0.98306	histone cluster 1, H2bn	Nucleus	other
7911	C1orf101	0.769	2.370	0.64719	0.98309	chromosome 1 open reading frame 101	Other	other
7912	DNM2	0.172	7.715	0.64712	0.98309	dynamitin 2	Plasma Membrane	enzyme
7913	LRRC37A	0.955	1.805	0.65142	0.98314	leucine rich repeat containing 37, member A3	Other	other
7914	ETF1P1	0.708	2.125	0.65204	0.98314	eukaryotic translation termination factor 1 pseudogene 1	Other	other
7915	PLA2G12AF	0.657	2.916	0.65139	0.98314	phospholipase A2, group X1A pseudogene 1	Other	other
7916	KLHL15	0.570	4.505	0.65255	0.98			

7920	PHC1	0.507	3.457	0.64863	0.98314	polyhomeotic homolog 1 (Drosophila)	Nucleus	transcription regulator
7921	RKBS	0.487	3.793	0.65169	0.98314	ribonuclease	Cytoplasm	kinase
7922	TRIM35	0.472	4.658	0.65058	0.98314	tripartite motif containing 35	Cytoplasm	other
7923	BT3P12	0.471	3.306	0.64965	0.98314	basic transcription factor 3 pseudogene 12	Nucleus	transcription regulator
7924	SPATS2	0.465	3.739	0.65039	0.98314	spermatogenesis associated, serine-rich 2	Cytoplasm	other
7925	WEE1	0.463	4.444	0.6524	0.98314	WEE1 G2 checkpoint kinase	Nucleus	kinase
7926	ALDH6A1	0.417	4.997	0.65063	0.98314	aldehyde dehydrogenase 6 family, member A1	Cytoplasm	enzyme
7927	ACAP3	0.417	4.039	0.649	0.98314	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Nucleus	transcription regulator
7928	RADS1D	0.404	4.668	0.64928	0.98314	RAO51 paralogue D	Nucleus	enzyme
7929	CEANC	0.404	4.727	0.65057	0.98314	transcription elongation factor A (SII) N-terminal and central domain containing	Other	other
7930	EGOT	0.402	4.728	0.64844	0.98314	EGF domain-specific O-linked N-acetylglucosamine (GlcNAc) transferase	Extracellular Space	enzyme
7931	MLKL	0.385	5.215	0.65178	0.98314	mixed lineage kinase domain-like	Cytoplasm	kinase
7932	ALDOA2P	0.378	4.305	0.65102	0.98314	aldolase A, fructose-bisphosphate pseudogene 2	Other	other
7933	FRMD5	0.354	4.680	0.64971	0.98314	FERM domain containing 5	Other	other
7934	FAM98A	0.350	4.729	0.65275	0.98314	family with sequence similarity 98, member A	Other	other
7935	TTC7A	0.348	6.060	0.65276	0.98314	tetratricopeptide repeat domain 7A	Plasma Membrane	other
7936	MAGOH	0.346	4.791	0.64987	0.98314	mago-nashi homolog, proliferation-associated (Drosophila)	Nucleus	other
7937	ZNF783	0.328	5.839	0.65293	0.98314	zinc finger family member 783	Other	other
7938	MIRPS22	0.326	5.353	0.64774	0.98314	mitochondrial ribosomal protein S22	Cytoplasm	other
7939	BRWD3	0.314	6.042	0.65281	0.98314	brandomdomain and WD repeat domain containing 3	Other	other
7940	KIAA0000	0.286	6.301	0.6531	0.98314	KIAA0000	Other	other
7941	DDX6	0.232	8.086	0.65145	0.98314	DEAD (Asp-Glu-Ala-Asp) box/helicase 6	Nucleus	enzyme
7942	UBASH3A	0.190	6.756	0.6527	0.98314	ubiquitin-associated and SH3 domain containing A	Cytoplasm	enzyme
7943	TLK1	0.186	6.925	0.64799	0.98314	tousled-like kinase 1	Nucleus	kinase
7944	ECHS1	0.185	6.913	0.65197	0.98314	enoyl CoA hydratase, short chain, 1, mitochondrial	Cytoplasm	enzyme
7945	BPGM	0.183	6.972	0.6513	0.98314	2,3-bisphosphoglycerate mutase	Extracellular Space	phosphatase
7946	EIF4H	0.176	7.477	0.64911	0.98314	eukaryotic translation initiation factor 4H	Cytoplasm	translation regulator
7947	FIBP	0.176	7.146	0.64901	0.98314	fibroblast growth factor (acidic) intracellular binding protein	Nucleus	other
7948	RHOT2	0.175	7.598	0.64735	0.98314	ras homolog family member T2	Cytoplasm	enzyme
7949	CNNL2	0.171	9.041	0.6504	0.98314	cyclin L2	Nucleus	other
7950	COP56	0.170	7.657	0.65082	0.98314	COP9 signalosome subunit 6	Nucleus	other
7951	ARNTL	0.168	7.387	0.65088	0.98314	aryl hydrocarbon receptor nuclear translocator-like	Nucleus	transcription regulator
7952	CAPN2	0.167	7.979	0.65061	0.98314	calpain 2, (m//l) large subunit	Cytoplasm	peptidase
7953	SRP9	0.165	7.429	0.65081	0.98314	signal recognition particle 90da	Cytoplasm	other
7954	C4orf3	0.163	7.520	0.64802	0.98314	chromosome 4 open reading frame 3	Other	other
7955	SRSF4	0.156	7.853	0.64992	0.98314	serine/arginine-rich splicing factor 4	Nucleus	other
7956	MT-ND5	0.146	10.194	0.64824	0.98314	NADH dehydrogenase, subunit 5 (complex I)	Cytoplasm	enzyme
7957	HLA-B	0.146	9.808	0.65166	0.98314	major histocompatibility complex, class I, B	Plasma Membrane	transmembrane receptor
7958	PCF11	-0.146	8.242	0.65008	0.98314	PCF11 cleavage and polyadenylation factor subunit	Nucleus	other
7959	ZC3H11A	-0.149	8.114	0.64963	0.98314	zinc finger CCHC-type containing 11A	Nucleus	other
7960	SETX	-0.150	8.792	0.64835	0.98314	senataxin	Nucleus	enzyme
7961	NBR1	-0.150	7.949	0.65266	0.98314	neighbor of BRCA1 gene 1	Cytoplasm	other
7962	RBM17	-0.159	7.618	0.65021	0.98314	RNA binding motif protein 17	Nucleus	other
7963	BT33	-0.161	7.535	0.64839	0.98314	basic transcription factor 3	Nucleus	transcription regulator
7964	CDK9	-0.171	7.417	0.64975	0.98314	cyclin-dependent kinase 9	Nucleus	kinase
7965	ITGB1BP1	-0.180	6.950	0.65191	0.98314	integrin beta 1 binding protein 1	Plasma Membrane	transporter
7966	MKNK1	-0.200	6.492	0.65311	0.98314	MAP kinase interacting serine/threonine kinase 1	Cytoplasm	kinase
7967	MTSS1	-0.236	6.412	0.64848	0.98314	metastasis suppressor 1	Cytoplasm	other
7968	APC	-0.249	6.912	0.6528	0.98314	adenomatous polyposis coli	Nucleus	enzyme
7969	TSC2	-0.268	5.937	0.65243	0.98314	tuberous sclerosis 2	Cytoplasm	other
7970	PIA1	-0.274	5.788	0.64862	0.98314	praja ring finger 1, E3 ubiquitin protein ligase	Cytoplasm	other
7971	NDUFS7	-0.283	5.295	0.65009	0.98314	NADH dehydrogenase (ubiquinone) Fe-S protein 7, 20kDa (NADH-coenzyme Q reductase)	Cytoplasm	enzyme
7972	RNPS1P1	-0.301	5.164	0.6519	0.98314	RNA binding protein S1, serine-rich domain pseudogene 1	Other	other
7973	POLR2M	-0.304	5.232	0.65236	0.98314	polymerase (RNA) II (DNA directed) polypeptide M	Nucleus	other
7974	CCZ1	-0.401	4.196	0.65212	0.98314	CCZ1 vacuolar protein trafficking and biogenesis associated homolog B (S. cerevisiae)	Other	other
7975	TFEB	-0.442	4.275	0.65308	0.98314	transcription factor EB	Nucleus	transcription regulator
7976	SPATF1	-0.520	3.086	0.65192	0.98314	spermatogenesis associated 1	Other	other
7977	RTKCAP2	-0.540	3.112	0.64816	0.98314	keratinocyte associated protein 2	Plasma Membrane	enzyme
7978	SUV39H2	-0.579	3.225	0.64995	0.98314	suppressor of variegation 3-9 homolog 2 (Drosophila)	Nucleus	transcription regulator
7979	ZNF48	-0.587	3.591	0.65116	0.98314	zinc finger protein 48	Other	other
7980	ATP1A4	-0.611	3.715	0.64904	0.98314	ATPase, Na+/K+ transporting, alpha 4 polypeptide	Plasma Membrane	transporter
7981	ARSB	-0.679	4.164	0.6485	0.98314	arylsulfatase B	Cytoplasm	enzyme
7982	PPAPDC2	-0.714	3.408	0.6501	0.98314	phosphatidic acid phosphatase type 2 domain containing 2	Other	phosphatase
7983	LVG58B	-0.751	2.536	0.64924	0.98314	lymphocyte antigen 6 complex, locus G58	Other	other
7984	IGF1R1	-0.764	2.782	0.65088	0.98314	IGF-like family receptor 1	Plasma Membrane	other
7985	EEF1B2	0.165	7.226	0.65358	0.98314	eukaryotic translation elongation factor 1 beta 2	Cytoplasm	translation regulator
7986	SSBP1	-0.170	7.240	0.65374	0.98314	single-stranded DNA binding protein 1, mitochondrial	Cytoplasm	other
7987	EXOC3	-0.181	6.788	0.65365	0.98314	exocyst complex component 3	Plasma Membrane	transporter
7988	RNF26	-0.253	5.976	0.65329	0.98314	ring finger protein 26	Other	other
7989	LIZC	-0.280	5.477	0.65361	0.98314	leucine zipper and CTNBP1 domain containing	Other	other
7990	FAM104B	-0.443	3.939	0.65359	0.98314	family with sequence similarity 104, member B	Other	other
7991	XRC3	-0.478	4.085	0.65376	0.98314	X-ray repair complementing defective repair in Chinese hamster cells 3	Nucleus	enzyme
7992	TLLN2	-0.730	2.672	0.65376	0.98314	talin 2	Nucleus	other
7993	RBM11	0.801	2.548	0.65539	0.98321	RNA binding motif protein 11	Nucleus	other
7994	LEPREL4	0.726	2.732	0.65575	0.98321	prolyl 3-hydroxylase family member 4 (non-enzymatic)	Nucleus	other
7995	FAM20A	0.700	2.863	0.65478	0.98321	family with sequence similarity 20, member A	Extracellular Space	other
7996	BIN2P2	0.517	3.143	0.65577	0.98321	bridging integrator 2 pseudogene 2	Other	other
7997	ZNF286B	0.488	3.142	0.65454	0.98321	zinc finger protein 286B	Other	other
7998	SAA1L1	0.368	5.150	0.6553	0.98321	serum amyloid A-like 1	Other	other
7999	TBK2	0.335	5.326	0.65474	0.98321	tau tubulin kinase 2	Cytoplasm	kinase
8000	ZNF256	0.329	5.611	0.65562	0.98321	zinc finger protein 256	Nucleus	transcription regulator
8001	SLC35A1	0.318	5.062	0.65449	0.98321	solute carrier family 35 (CMP-sialic acid transporter), member A1	Cytoplasm	transporter
8002	ZNF429	0.275	5.544	0.65548	0.98321	zinc finger protein 429	Nucleus	other
8003	SEC24C	0.260	5.617	0.65411	0.98321	SEC24 family member C	Cytoplasm	transporter
8004	RAPGEF2	0.241	7.102	0.65457	0.98321	Rap guanine nucleotide exchange factor (GEF) 2	Cytoplasm	other
8005	RPS11P5	0.179	6.908	0.65563	0.98321	ribosomal protein S11 pseudogene 5	Other	other
8006	GSP11	0.161	7.926	0.65548	0.98321	G1 to S phase transition 1	Cytoplasm	translation regulator
8007	EIF5	-0.142	9.243	0.65428	0.98321	eukaryotic translation initiation factor 5	Cytoplasm	translation regulator
8008	PFBP1	-0.156	7.575	0.65575	0.98321	phosphatidylethanolamine binding protein 1	Cytoplasm	other
8009	PAFAH1B1	-0.161	7.507	0.65462	0.98321	platelet-activating factor acetylhydrolase 1b, regulatory subunit 1 (45kDa)	Cytoplasm	enzyme
8010	ILF2	-0.166	8.773	0.65499	0.98321	interleukin enhancer binding factor 2	Nucleus	transcription regulator
8011	SNAPC5	-0.266	5.743	0.65495	0.98321	small nuclear RNA activating complex, polypeptide 5, 19kDa	Nucleus	transcription regulator
8012	LEPRE1	-0.267	6.315	0.65463	0.98321	prolyl 3-hydroxylase 1	Nucleus	enzyme
8013	POB	-0.289	5.880	0.65539	0.98321	importin beta	Nucleus	transporter
8014	R3HOM2	-0.445	4.276	0.6551	0.98321	R3H domain containing 2	Nucleus	other
8015	SLC25A13	-0.549	3.664	0.65543	0.98321	solute carrier family 25 (aspartate/glutamate carrier), member 13	Cytoplasm	transporter
8016	TRIM16	-0.601	2.855	0.65497	0.98321	tripartite motif containing 16	Cytoplasm	transcription regulator
8017	MAD2L2	0.348	5.333	0.65617	0.98368	MAD2 mitotic arrest deficient-like 2 (yeast)	Nucleus	enzyme
8018	ATHL1	0.216	6.560	0.65628	0.98372	ATH1, acid trehalase-like 1 (yeast)	Other	other
8019	STARD5	0.599	3.063	0.65659	0.98407	STAR-related lipid transfer (START) domain containing 5	Cytoplasm	transporter
8020	SUGT1	-0.179	6.888	0.65671	0.98413	SGT1, suppressor of G2 allele of SKP1 (S. cerevisiae)	Nucleus	other
8021	ZADH2	-0.205	6.568	0.65689	0.98428	zinc binding alcohol dehydrogenase domain containing 2	Cytoplasm	enzyme
8022	TRABD	0.193	7.291	0.65702	0.98429	Trab domain containing	Extracellular Space	other
8023	RINL	-0.343	4.840	0.65707	0.98429	Ras and Rab interactor-like	Other	other
8024	SETD4	0.312	5.715	0.65753	0.98437	SET domain containing 4	Other	other
8025	C11orf73	0.266	5.826	0.65746	0.98437	chromosome 11 open reading frame 73	Cytoplasm	transporter
8026	FAU	0.163	7.233	0.65741	0.98437	Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV) ubiquitously expressed	Cytoplasm	other
8027	DRG2	-0.224	6.162	0.65748	0.98437	developmentally regulated GTP binding protein 2	Cytoplasm	other
8028	ZCWPW1	-0.466	4.586	0.65736	0.98437	zinc finger, CW type with PWWP domain 1	Other	other
8029	TMSB4X	0.163	7.392	0.65797	0.98466	thymosin beta 10	Cytoplasm	other
8030	SLC35C2	-0.197	6.884	0.65797	0.98466	solute carrier family 35 (GDP-fucose transporter), member C2	Other	transporter
8031	SLC37A3	-0.245	5.947	0.65782	0.98466	solute carrier family 37, member 3	Other	transporter
8032	SLCO4A1	0.298	6.156	0.65846	0.98527	solute carrier organic anion transporter family, member 4A1	Plasma Membrane	transporter
8033	ERRF1	-0.823	2.522	0.65864	0.98542	ERBB receptor feedback inhibitor 1	Cytoplasm	other
8034	CDK8	0.626	3.654	0.65883	0.9855	cyclin-dependent kinase 8	Nucleus	kinase
8035	MCM5	-0.271	6.553	0.65886	0.9855	minichromosome maintenance complex component 5	Nucleus	enzyme
8036	UBE2Q2	-0.171	7.194	0.65896	0.98554	ubiquitin-conjugating enzyme E2Q family member 2	Other	enzyme
8037	BDP1	0.167	8.577	0.65912	0.98565	8 double prime 1, subunit of RNA polymerase III transcription initiation factor IIIB	Nucleus	transcription regulator
8038	NKD1	-0.645	2.531	0.65924	0.98565	naked cuticle homolog 1 (Drosophila)	Nucleus	other
8039	ETFP2	0.505	2.897	0.65992	0.986	eukaryotic translation termination factor 1 pseudogene 2	Other	other
8040	WVASA	0.312	5.196	0.65965	0.986	von Willebrand factor A domain containing 5A	Nucleus	other
8041	LENG8	0.280	5.536	0.65991	0.986	leukocyte receptor cluster (LRC) member 8	Other	other
8042	STK38	-0.158	8.359	0.65993	0.986	serine/threonine kinase 38	Nucleus	kinase
8043	TRRAP	-0.245	6.049	0.65962	0.986	transformation/transcription domain-associated protein	Nucleus	transcription regulator
8044	PRMT7	-0.284	5.637	0.6599	0.986	protein arginine methyltransferase 7	Cytoplasm	enzyme
8045	FAM84B	0.321	5.263	0.66045	0.98602	family with sequence similarity 84, member B	Plasma Membrane	other
8046	EIF3EP1	0.238	5.762	0.66034	0.98602	eukaryotic translation initiation factor 3, subunit E pseudogene 1	Other	other
8047	TMX2	-0.200	6.497	0.66058	0.98602	thioredoxin-related transmembrane protein 2	Other	enzyme
8048	CK2	-0.238	5.874	0.66068	0.98602	CDC-like kinase 2	Nucleus	kinase
8049	MRPL44	-0.238						

8052	THAP8	-0.446	3.928	0.66076	0.98602	THAP domain containing 8	Other	other
8053	BACE2	-0.487	5.248	0.66013	0.98602	beta-site APP-cleaving enzyme 2	Cytoplasm	peptidase
8054	KIAA1211L	-0.716	2.366	0.66075	0.98602	KIAA1211-like	Other	other
8055	SNHG10	0.525	3.506	0.66089	0.98607	small nucleolar RNA host gene 10	Other	other
8056	PDLM1	-0.460	3.491	0.66096	0.98607	POZ and LIM domain 1	Cytoplasm	transcription regulator
8057	HMGN1P8	-0.603	2.237	0.66107	0.98611	high mobility group nucleosome binding domain 1 pseudogene 8	Other	other
8058	LOC1	0.311	4.944	0.66613	0.98663	leucine zipper, down-regulated in cancer 1	Nucleus	other
8059	ITCH	0.198	6.958	0.66136	0.98663	itch F3 ubiquitin protein ligase	Nucleus	enzyme
8060	JUP	0.960	2.529	0.66159	0.98634	junction plakoglobin	Plasma Membrane	other
8061	RFTN1	0.165	7.438	0.66161	0.98634	raftlin, lipid raft linker 1	Plasma Membrane	other
8062	PRG4	-0.776	2.212	0.66163	0.98634	proteoglycan 4	Extracellular Space	other
8063	STX11	0.430	5.400	0.66205	0.98655	syntaxin 11	Plasma Membrane	transporter
8064	ZNF250	0.362	4.840	0.66223	0.98655	zinc finger protein 250	Nucleus	other
8065	PRPSAP2	0.229	5.933	0.66255	0.98655	phosphoribosyl pyrophosphate synthetase-associated protein 2	Other	other
8066	RBM26	0.201	7.457	0.66278	0.98655	RNA binding motif protein 26	Other	other
8067	RPL5	0.143	8.827	0.66245	0.98655	ribosomal protein L5	Cytoplasm	other
8068	SP3	-0.155	7.764	0.66188	0.98655	Sp3 transcription factor	Nucleus	transcription regulator
8069	EIF1B	-0.177	6.757	0.66283	0.98655	eukaryotic translation initiation factor 1B	Cytoplasm	translation regulator
8070	MAGT1	-0.190	6.620	0.66291	0.98655	magnesium transporter 1	Plasma Membrane	enzyme
8071	PRRCM2	-0.217	5.985	0.66622	0.98655	progestin receptor membrane component 2	Nucleus	other
8072	PASTKD5	-0.251	6.720	0.66293	0.98655	PAST kinase domain 5	Cytoplasm	other
8073	EIF2C2	-0.281	5.593	0.66241	0.98655	arginosuccinate RISC catalytic component 2	Cytoplasm	translation regulator
8074	SNRPNP27	-0.293	5.143	0.66262	0.98655	small nuclear ribonucleoprotein 27kDa (U4/U6.L5)	Nucleus	other
8075	GABBR1	-0.305	4.857	0.66266	0.98655	gamma-aminobutyric acid (GABA) B receptor, 1	Plasma Membrane	G-protein coupled receptor
8076	USP49	-0.413	4.820	0.66241	0.98655	ubiquitin specific peptidase 49	Other	peptidase
8077	NABP1	0.202	7.915	0.66302	0.98656	nucleic acid binding protein 1	Nucleus	other
8078	KRR1	0.177	6.817	0.66317	0.98666	KRR1, small subunit (SSU) processome component, homolog (yeast)	Nucleus	other
8079	C8orf82	0.664	3.140	0.66385	0.98671	chromosome 8 open reading frame 82	Cytoplasm	other
8080	LRRC39	0.590	2.736	0.66442	0.98671	leucine rich repeat containing 39	Other	other
8081	BMP2K	0.582	3.153	0.6634	0.98671	BMP2 inducible kinase	Nucleus	kinase
8082	KBTBD3	0.402	4.482	0.66448	0.98671	kelch repeat and BTB (POZ) domain containing 3	Extracellular Space	other
8083	ANKK3	0.391	4.502	0.6635	0.98671	ankyrin repeat and sterile alpha motif domain containing 3	Nucleus	transcription regulator
8084	NFKBIE	0.264	6.189	0.66408	0.98671	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon	Nucleus	transcription regulator
8085	CHMP7	0.202	7.534	0.66431	0.98671	charged multivesicular body protein 7	Cytoplasm	transporter
8086	CPSF6	0.155	7.502	0.66387	0.98671	cleavage and polyadenylation specific factor 6, 68kDa	Nucleus	other
8087	GCFC1	0.154	7.886	0.66372	0.98671	PAX3 and PAX7 binding protein 1	Nucleus	other
8088	TFG	-0.154	7.403	0.66451	0.98671	TRK-fused gene	Cytoplasm	other
8089	STAT5B	-0.168	7.678	0.6643	0.98671	signal transducer and activator of transcription 5B	Nucleus	transcription regulator
8090	ELP3	-0.220	6.485	0.66424	0.98671	elongator acetyltransferase complex subunit 3	Nucleus	enzyme
8091	CLEC2D	-0.231	8.612	0.66377	0.98671	C-type lectin domain family 2, member D	Plasma Membrane	transmembrane receptor
8092	PIAS4	-0.373	5.151	0.66425	0.98671	protein inhibitor of activated STAT, 4	Nucleus	transcription regulator
8093	RHD	-0.400	3.410	0.6643	0.98671	Rh blood group, D antigen	Plasma Membrane	transporter
8094	CZCD4D	-0.696	2.442	0.66346	0.98671	C2 calcium-dependent domain containing 4D	Other	other
8095	RPS27P3	-0.882	2.363	0.66476	0.98696	ribosomal protein S7 pseudogene 3	Other	other
8096	U2AF2	0.392	4.589	0.66493	0.98697	U2 small nuclear RNA auxiliary factor 2	Nucleus	other
8097	BCL11B	0.239	6.692	0.66488	0.98697	B-cell CLL/lymphoma 11B (zinc finger protein)	Nucleus	other
8098	RGMB	0.783	2.124	0.66612	0.98702	repulsive guidance molecule family member b	Plasma Membrane	other
8099	TMTCD	0.780	3.258	0.66538	0.98702	transmembrane and tetraicopeptide repeat containing 2	Cytoplasm	other
8100	C6orf225	0.626	3.244	0.66593	0.98702	family with sequence similarity 229, member B	Other	other
8101	CORO1B	0.596	2.943	0.66548	0.98702	coronin, actin binding protein, 1B	Cytoplasm	other
8102	HNRPCP	0.534	3.406	0.66523	0.98702	heterogeneous nuclear ribonucleoprotein C pseudogene 1	Other	other
8103	GMPSP1	0.445	3.937	0.66603	0.98702	guanine monophosphate synthetase pseudogene 1	Other	other
8104	PEX13	0.383	5.426	0.66581	0.98702	peroxisomal biogenesis factor 13	Cytoplasm	transporter
8105	LPAT4A	0.374	4.709	0.6658	0.98702	lysophosphatidylcholine acyltransferase 4	Cytoplasm	enzyme
8106	PTPNM1	0.318	5.119	0.66579	0.98702	phosphatidylinositol transfer protein, membrane-associated 1	Cytoplasm	transporter
8107	NTSC3	0.182	6.679	0.66578	0.98702	5'-nucleotidase, cytosolic, IIIA	Cytoplasm	phosphatase
8108	RNPS1	-0.163	7.147	0.66544	0.98702	RNA binding protein S1, serine-rich domain	Nucleus	other
8109	KDMA	-0.173	8.848	0.66606	0.98702	lysine (O)-specific demethylase 5A	Nucleus	transcription regulator
8110	UBE2Q1	-0.218	5.971	0.66521	0.98702	ubiquitin-conjugating enzyme E2Q family member 1	Other	enzyme
8111	ZNF286A	-0.459	4.152	0.66603	0.98702	zinc finger protein 286A	Nucleus	other
8112	SLC41A2	-0.547	3.055	0.66627	0.98713	solute carrier family 41 (magnesium transporter), member 2	Plasma Membrane	transporter
8113	FMNL1	-0.179	7.416	0.66639	0.98719	formin-like 1	Cytoplasm	other
8114	WDR78	0.682	2.632	0.6667	0.98734	WD repeat domain 78	Other	other
8115	ZNF805	0.613	4.097	0.66693	0.98734	zinc finger protein 805	Other	other
8116	CBY1	0.396	4.261	0.66733	0.98734	chibby homolog 1 (Drosophila)	Cytoplasm	other
8117	TNKL1	0.374	4.273	0.66725	0.98734	tyrosine kinase, non-receptor, 1	Cytoplasm	kinase
8118	NDUF84	0.199	6.357	0.66717	0.98734	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 4, 15kDa	Cytoplasm	transporter
8119	GLD04	-0.161	7.033	0.66683	0.98734	glyoxalase domain containing 4	Cytoplasm	enzyme
8120	LA72	0.172	7.521	0.66672	0.98734	linker for activation of T cells family, member 2	Plasma Membrane	other
8121	DENND4B	-0.240	6.298	0.6674	0.98734	DENN/MADD domain containing 4B	Extracellular Space	other
8122	TBCD1	-0.242	5.983	0.66696	0.98734	TBC domain containing 1	Cytoplasm	other
8123	CCDC53	-0.249	6.030	0.66701	0.98734	coiled-coil domain containing 53	Cytoplasm	other
8124	LYPLAL1	-0.347	4.825	0.66734	0.98734	lysophospholipase-like 1	Cytoplasm	enzyme
8125	13MBTL2	-0.229	6.334	0.66752	0.9874	I(3)mbt-like 2 (Drosophila)	Nucleus	transcription regulator
8126	EF1DP1	0.166	7.103	0.66766	0.98748	eukaryotic translation elongation factor 1 delta pseudogene 1	Other	other
8127	BACH2	-0.153	7.728	0.66789	0.9877	BTB and CNC homology 1, basic leucine zipper transcription factor 2	Nucleus	transcription regulator
8128	LONRF3	0.501	3.585	0.66816	0.98778	LON peptidase N-terminal domain and ring finger 3	Other	other
8129	ZNF419	0.310	5.301	0.66814	0.98778	zinc finger protein 419	Nucleus	other
8130	HYAL1	-0.865	3.122	0.66819	0.98778	hyaluronoglucosaminidase 1	Cytoplasm	enzyme
8131	TMEM98B-A	0.827	2.376	0.66856	0.9881	TMEM98 antisense RNA 1	Other	other
8132	SCA1	0.391	4.369	0.66857	0.9881	suppressor of cancer cell invasion	Nucleus	transcription regulator
8133	CPZF3	0.215	6.240	0.66869	0.98816	cleavage and polyadenylation specific factor 3, 73kDa	Nucleus	enzyme
8134	C1orf216	-0.406	5.366	0.66915	0.98859	chromosome 1 open reading frame 216	Other	other
8135	ITGAX	-0.666	2.949	0.66913	0.98859	integrin, alpha X (complement component 3 receptor 4 subunit)	Plasma Membrane	transmembrane receptor
8136	UBA7	0.190	7.056	0.66929	0.98868	ubiquitin-like modifier activating enzyme 7	Cytoplasm	enzyme
8137	SCLY	0.575	2.567	0.66995	0.98881	selenocysteine lyase	Cytoplasm	enzyme
8138	TMEM205	0.300	5.109	0.66991	0.98881	transmembrane protein 205	Cytoplasm	other
8139	TRFC	0.201	7.560	0.66963	0.98881	transferin receptor	Plasma Membrane	transporter
8140	MGAT4A	0.185	7.743	0.67012	0.98881	mannosyl (alpha-1,3)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme A	Cytoplasm	enzyme
8141	IQCB1	-0.192	6.837	0.66975	0.98881	IQ motif containing B1	Extracellular Space	other
8142	POM121	-0.391	3.775	0.66985	0.98881	POM121 transmembrane nucleoporin	Nucleus	other
8143	NHP4	-0.464	4.382	0.67011	0.98881	nephrophtosis 4	Cytoplasm	other
8144	CTAGE7P	-0.522	2.319	0.66996	0.98881	CTAGE family, member 7, pseudogene	Other	other
8145	ONAH12	-1.001	2.022	0.67011	0.98881	dywain, axonemal, heavy chain 12	Other	other
8146	NPEPP5	-0.199	6.858	0.67031	0.98897	aminopeptidase puromycin sensitive	Cytoplasm	peptidase
8147	E1F3KP2	-0.644	2.352	0.67049	0.98912	eukaryotic translation initiation factor 3, subunit K pseudogene 2	Other	other
8148	KRT8P12	0.857	2.733	0.67081	0.98924	keratin 8 pseudogene 12	Other	other
8149	TMPO	0.208	6.229	0.67067	0.98924	thymopoietin	Nucleus	other
8150	PREPL	-0.206	6.610	0.67083	0.98924	prolyl endopeptidase-like	Other	peptidase
8151	PIK3R3	0.746	1.798	0.6727	0.98947	phosphoinositide-3-kinase, regulatory subunit 3 (gamma)	Cytoplasm	kinase
8152	C17orf104	0.670	2.500	0.67152	0.98947	chromosome 17 open reading frame 104	Other	other
8153	CCDC170	0.625	2.366	0.67279	0.98947	coiled-coil domain containing 170	Extracellular Space	other
8154	GTF2IRD2	0.526	2.950	0.67246	0.98947	GTF2i repeat domain containing 2	Other	other
8155	KLF	0.467	2.952	0.67348	0.98947	chemokine-like factor	Extracellular Space	cytokine
8156	RWD3	0.393	4.095	0.67263	0.98947	RWD domain containing 3	Other	other
8157	GPR107	0.259	5.559	0.67254	0.98947	G-protein-coupled receptor 107	Plasma Membrane	G-protein coupled receptor
8158	ASXL2	0.240	6.523	0.67174	0.98947	additional sex combs like transcriptional regulator 2	Extracellular Space	other
8159	FASTK	0.191	6.863	0.67305	0.98947	Fas-activated serine/threonine kinase	Cytoplasm	kinase
8160	ABCF3	0.190	6.892	0.67331	0.98947	ATP-binding cassette, sub-family F (GCN20), member 3	Other	transporter
8161	FAM192A	0.190	6.757	0.67124	0.98947	family with sequence similarity 192, member A	Nucleus	other
8162	FAM111A	0.160	7.280	0.67149	0.98947	family with sequence similarity 111, member A	Nucleus	other
8163	YTHDF2	0.144	8.039	0.67252	0.98947	YTH (N6)-methyladenosine RNA binding protein 2	Other	other
8164	SEC23IP	-0.167	7.022	0.67338	0.98947	SEC23 interacting protein	Cytoplasm	other
8165	TAPBPL	-0.174	6.719	0.67347	0.98947	TAP binding protein-like	Cytoplasm	other
8166	ATAD1	-0.175	7.224	0.6734	0.98947	ATPase family, AAA domain containing 1	Other	enzyme
8167	FUBP3	-0.187	6.520	0.67349	0.98947	far upstream element (FUSE) binding protein 3	Nucleus	transcription regulator
8168	SPT2D1	-0.188	6.586	0.67267	0.98947	SPT2, Suppressor of Ty, domain containing 1 (S. cerevisiae)	Other	other
8169	MAP2K3	-0.190	7.095	0.67149	0.98947	mitogen-activated protein kinase kinase 3	Cytoplasm	kinase
8170	AHCYL1	-0.216	6.826	0.67295	0.98947	adenophthomycinase-like 1	Cytoplasm	enzyme
8171	DVL3	-0.226	6.184	0.67361	0.98947	dishevelled segment polarity protein 3	Cytoplasm	other
8172	UBAC1	-0.228	5.986	0.67221	0.98947	UBA domain containing 1	Nucleus	other
8173	LIG3	-0.243	5.844	0.67271	0.98947	ligase III, DNA, ATP-dependent	Nucleus	enzyme
8174	RIPK3	-0.243	5.700	0.6722	0.98947	receptor-interacting serine-threonine kinase 3	Plasma Membrane	kinase
8175	PIK3CG	-0.264	6.355	0.67359	0.98947	phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit gamma	Cytoplasm	kinase
8176	RUFY3	-0.283	5.377	0.67234	0.98947	RUN and FYVE domain containing 3	Plasma Membrane	other
8177	NTSDC2	-0.433	6.239	0.67243	0.98947	5'-nucleotidase domain containing 2	Cytoplasm	other
8178	GDI2P1	-0.502	3.014	0.67312	0.98947	GDP dissociation inhibitor 2 pseudogene 1	Other	other
8179	HS3ST3B1	-0.550	3.237	0.6719	0.98947	heparan sulfate (glucosamine) 3-O-sulfotransferase 3B1	Cytoplasm	enzyme
8180	ABCA1	-0.626	3.228	0.67226	0.98947	ATP-binding cassette, sub-family A (ABC1), member 1	Plasma Membrane	transporter

8184	ADAM20	0.830	2.257	0.67429	0.99011	ADAM metalloproteinase domain 20	Plasma Membrane	peptidase
8185	MAP1LC3B	-0.140	8.267	0.67423	0.99011	microtubule-associated protein 1 light chain 3 beta	Cytoplasm	other
8186	ZNF81	0.457	4.356	0.67456	0.99016	zinc finger protein 81	Nucleus	transcription regulator
8187	PHOSPHO2	-0.441	3.562	0.67446	0.99016	phosphatase, orphan 2	Other	other
8188	RCOR1	-0.501	4.148	0.67458	0.99016	REST corepressor 1	Nucleus	transcription regulator
8189	TIGD1	0.330	4.533	0.67475	0.99029	tigger transposable element derived 1	Other	other
8190	SAE	0.866	2.118	0.67613	0.99047	salic acid acetyltransferase	Cytoplasm	enzyme
8191	ADC1	0.721	6.320	0.67757	0.99047	anif domain containing kinase 1	Cytoplasm	kinase
8192	NOD2	0.712	2.879	0.67567	0.99047	nucleotide binding oligomerization domain containing 2	Cytoplasm	other
8193	FAM108A4	0.627	2.226	0.67903	0.99047	aldehyde dehydrogenase domain containing 17A pseudogene 3	Other	other
8194	BRAF1	0.574	2.601	0.67798	0.99047	BRAF pseudogene 1	Other	other
8195	XRCC6BP1	0.475	3.488	0.678	0.99047	XRCC6 binding protein 1	Other	kinase
8196	TRGV3	0.456	3.387	0.6758	0.99047	T cell receptor gamma variable 3	Other	other
8197	TRAF3IP1	0.381	4.530	0.67919	0.99047	TNF receptor-associated factor 3 interacting protein 1	Cytoplasm	other
8198	TMEM186	0.380	4.406	0.67582	0.99047	transmembrane protein 186	Cytoplasm	other
8199	C14orf1142	0.332	4.692	0.67898	0.99047	chromosome 14 open reading frame 142	Other	other
8200	IPP	0.299	5.564	0.67783	0.99047	intracisternal A particle-promoted polypeptide	Cytoplasm	other
8201	HEMK1	0.275	6.490	0.67886	0.99047	Henk methyltransferase family member 1	Nucleus	enzyme
8202	CSorf42	0.265	5.818	0.67741	0.99047	chromosome 5 open reading frame 42	Other	other
8203	RRP9	0.262	5.613	0.67909	0.99047	ribosomal RNA processing 9, small subunit (SSU) processome component, homolog (yeast)	Nucleus	other
8204	RPRD1A	0.254	5.719	0.67776	0.99047	regulation of nuclear pre-mRNA domain containing 1A	Extracellular Space	other
8205	CPEB4	0.230	5.888	0.67833	0.99047	cytoplasmic polyadenylation element binding protein 4	Plasma Membrane	other
8206	SENP1	0.214	5.950	0.6763	0.99047	SUMO1/sentin specific peptidase 1	Nucleus	peptidase
8207	ADPRHL2	0.184	6.729	0.67522	0.99047	ADP-ribosylhydrolase like 2	Cytoplasm	enzyme
8208	S1PR4	0.180	7.538	0.67573	0.99047	sphingosine-1-phosphate receptor 4	Plasma Membrane	G-protein coupled receptor
8209	SMARCAD1	0.167	6.892	0.67838	0.99047	SWI/SNF-related, matrix-associated actin-dependent regulator of chromatin, subfamily a, containing DEAD/H box 1	Nucleus	enzyme
8210	WIPF1	0.167	8.078	0.67864	0.99047	WAS/WASL interacting protein family, member 1	Cytoplasm	other
8211	BUB3	0.139	8.772	0.67677	0.99047	BUB3 mitotic checkpoint protein	Nucleus	other
8212	TH1L	-0.149	7.632	0.67561	0.99047	negative elongation factor complex member C/D	Nucleus	other
8213	UBE2D2	-0.155	7.206	0.67505	0.99047	ubiquitin-conjugating enzyme E2D 2	Cytoplasm	enzyme
8214	C20orf111	-0.158	7.275	0.67923	0.99047	oxidative stress responsive serine-rich 1	Other	enzyme
8215	NEPS1	-0.169	7.261	0.67736	0.99047	RABP1 associated Eps domain containing 1	Plasma Membrane	other
8216	CLNS1A	-0.171	7.034	0.67788	0.99047	chloride channel, nucleotide-sensitive, 1A	Plasma Membrane	ion channel
8217	PMMA1	-0.173	7.230	0.67789	0.99047	protein phosphatase, Mg2+/Mn2+ dependent, 1A	Cytoplasm	phosphatase
8218	TPP1	-0.176	8.149	0.67763	0.99047	tripeptidyl peptidase 1	Cytoplasm	peptidase
8219	FBXL4	-0.232	5.990	0.67907	0.99047	F-box and leucine-rich repeat protein 4	Nucleus	other
8220	MED30	-0.239	5.706	0.67924	0.99047	mediator complex subunit 30	Nucleus	transcription regulator
8221	THAP1	-0.254	5.890	0.67806	0.99047	THAP domain containing, apoptosis associated protein 1	Nucleus	other
8222	NIPSNAP3A	-0.259	5.706	0.67792	0.99047	nipsnap homolog 3A (C. elegans)	Nucleus	other
8223	PPIAP22	-0.263	5.151	0.67609	0.99047	peptidylprolyl isomerase A (cyclophilin A) pseudogene 22	Other	enzyme
8224	PRPS1	-0.299	4.860	0.67793	0.99047	phosphoribosyl pyrophosphate synthetase 1	Cytoplasm	kinase
8225	CAP1P2	-0.304	4.613	0.6786	0.99047	CAP1 pseudogene 2	Other	other
8226	ZFYVE26	-0.326	4.967	0.67793	0.99047	zinc finger, FYVE domain containing 26	Cytoplasm	other
8227	ETS2	-0.337	5.474	0.67575	0.99047	v-ets avian erythroblastosis virus E26 oncogene homolog 2	Nucleus	transcription regulator
8228	DNAL1	-0.337	4.369	0.67552	0.99047	dynamin associated, light chain 1	Other	other
8229	TOMM1L2	-0.365	4.692	0.67851	0.99047	target of myb1-like 2 (chicken)	Cytoplasm	transporter
8230	TAF6	-0.373	4.613	0.67851	0.99047	TAF6 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 80kDa	Nucleus	transcription regulator
8231	RM1L	-0.376	4.468	0.67573	0.99047	RecQ mediated genome instability 1	Nucleus	other
8232	ACRC	-0.426	4.127	0.67639	0.99047	acidic repeat containing	Other	other
8233	BBS10	-0.446	4.170	0.67516	0.99047	Bardet-Biedl syndrome 10	Other	other
8234	ATP5J1	-0.452	3.014	0.67589	0.99047	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit f6 pseudogene 1	Other	other
8235	CENPH	-0.462	3.709	0.67808	0.99047	centromere protein H	Nucleus	other
8236	TRBV25-1	-0.496	2.865	0.67656	0.99047	T cell receptor beta variable 25-1	Other	other
8237	PHACTR1	-0.522	4.069	0.67703	0.99047	phosphatase and actin regulator 1	Cytoplasm	other
8238	TM9SF1	-0.533	4.285	0.67506	0.99047	transmembrane 9 superfamily member 1	Plasma Membrane	transporter
8239	NEURL4	-0.556	2.908	0.67601	0.99047	neutralized E3 ubiquitin protein ligase 4	Other	other
8240	HLA-DQB2	-0.663	2.194	0.67641	0.99047	major histocompatibility complex, class II, DQ beta 2	Plasma Membrane	transmembrane receptor
8241	ITCC2L	-0.989	2.113	0.6784	0.99047	tetratricopeptide repeat domain 23-like	Other	other
8242	BAGALT6	-1.098	2.012	0.679	0.99047	UDP-gal-beta(1-4)GlcNAc beta 1-4: galactosyltransferase, polypeptide 6	Cytoplasm	enzyme
8243	RSG1	0.690	2.581	0.67961	0.99055	REM2 and RAB-like small GTPase 1	Cytoplasm	other
8244	SCLTASP1	0.419	3.606	0.67942	0.99055	solute carrier family 7 (amino acid transporter light chain, L system), member 5 pseudogene 1	Other	other
8245	LNCC0641	0.261	5.329	0.6811	0.99055	long intergenic non-protein coding RNA 641	Other	other
8246	NEDD1	0.213	6.885	0.68082	0.99055	neural precursor cell expressed, developmentally down-regulated 1	Cytoplasm	other
8247	MKRN2	0.208	6.378	0.68074	0.99055	makorin ring finger protein 2	Other	other
8248	SMAD4	0.195	6.400	0.67989	0.99055	SMAD family member 4	Nucleus	transcription regulator
8249	PMPCA	0.186	7.151	0.68056	0.99055	peptidase (mitochondrial processing) alpha	Cytoplasm	peptidase
8250	AKIRIN1	-0.153	7.320	0.68041	0.99055	akirin 1	Cytoplasm	enzyme
8251	FYVL	-0.169	7.584	0.68072	0.99055	FRY-like	Other	other
8252	F3B4	-0.169	6.793	0.6799	0.99055	salivary factor 3b, subunit 4, 490da	Nucleus	other
8253	CLBL	-0.203	7.096	0.67963	0.99055	Chi proto-oncogene B, E3 ubiquitin protein ligase	Nucleus	other
8254	RAB3IP	-0.220	6.134	0.68114	0.99055	RAB3A interacting protein	Cytoplasm	other
8255	ERCC1	-0.235	5.826	0.68113	0.99055	excision repair cross-complementation group 1	Nucleus	enzyme
8256	ARFGAP1	-0.256	5.669	0.68034	0.99055	ADP-ribosylation factor GTPase activating protein 1	Cytoplasm	transporter
8257	E1FA1P10	-0.274	5.228	0.68107	0.99055	eukaryotic translation initiation factor 4A1 pseudogene 10	Other	other
8258	FAM73A	-0.274	5.599	0.68024	0.99055	family with sequence similarity 73, member A	Other	other
8259	TLE3	-0.311	4.967	0.68103	0.99055	transducin-like enhancer of split 3	Nucleus	other
8260	PMS2	-0.451	3.634	0.68102	0.99055	PMS2 postmeiotic segregation increased 2 (S. cerevisiae)	Nucleus	enzyme
8261	MBD6	-0.458	3.765	0.68034	0.99055	methyl-CpG binding domain protein 6	Nucleus	other
8262	LSM12	-0.543	2.935	0.67956	0.99055	LSM12 homolog (S. cerevisiae)	Other	other
8263	ADORA2B	-0.607	3.056	0.68075	0.99055	adenosine A2b receptor	Plasma Membrane	G-protein coupled receptor
8264	FOXPI1-AS1	-0.710	2.465	0.68048	0.99055	FOXPI antisense RNA 1	Other	other
8265	ROA3-AS1	-0.757	2.242	0.68119	0.99055	ROA3 antisense RNA 1 (head to head)	Other	other
8266	SCOL1	0.498	3.450	0.68226	0.99081	shagshin-like 1 (S. pombe)	Nucleus	other
8267	DGKZP1	0.464	3.478	0.68228	0.99081	diacylglycerol kinase, zeta pseudogene 1	Other	other
8268	PIAS3	0.319	5.684	0.68167	0.99081	protein inhibitor of activated STAT_3	Nucleus	transcription regulator
8269	MAP3K7	0.158	7.031	0.68194	0.99081	mitogen-activated protein kinase kinase kinase 7	Cytoplasm	kinase
8270	PDIA3P	-0.160	7.852	0.68215	0.99081	protein disulfide isomerase family A, member 3 pseudogene 1	Other	other
8271	CHFR	-0.164	6.766	0.68175	0.99081	checkpoint with forkhead and ring finger domains, E3 ubiquitin protein ligase	Nucleus	enzyme
8272	STAT2	-0.201	6.399	0.68173	0.99081	signal transducer and activator of transcription 2, 113kDa	Nucleus	transcription regulator
8273	PRCC	-0.222	6.118	0.68218	0.99081	papillary renal cell carcinoma (translocation-associated)	Nucleus	other
8274	ATG9A	-0.250	5.991	0.68158	0.99081	autophagy related 9A	Cytoplasm	other
8275	SMPD1	-0.357	4.625	0.68212	0.99081	sphingomyelin phosphodiesterase 1, acid lysosomal	Cytoplasm	enzyme
8276	SMG1P1	-0.574	1.922	0.68182	0.99081	SMG1 pseudogene 1	Other	other
8277	TRFRSF10C	0.516	4.645	0.68243	0.99091	tumor necrosis factor receptor superfamily, member 10d, decoy with truncated death domain	Plasma Membrane	transmembrane receptor
8278	RRR24	0.640	2.291	0.68273	0.99112	Inaf-motif containing 1	Other	other
8279	SLC25A4P	-0.895	1.833	0.68267	0.99112	solute carrier family 25 (mitochondrial carrier, brain), member 14 pseudogene 1	Other	other
8280	PGBD1	0.519	3.551	0.68409	0.99145	piiggylac transposable element derived 1	Extracellular Space	enzyme
8281	POU1	0.212	5.974	0.68387	0.99145	polymerase (DNA directed) Iota	Nucleus	enzyme
8282	TOE1	0.194	6.412	0.68372	0.99145	target of EGR1, member 1 (nuclear)	Nucleus	other
8283	TMEM50B	0.175	7.995	0.68399	0.99145	transmembrane protein 50B	Plasma Membrane	other
8284	ZCHC6	0.167	7.625	0.68316	0.99145	zinc finger, CCHC domain containing 6	Other	enzyme
8285	PCNP	-0.133	8.140	0.68325	0.99145	PEST proteolytic signal containing nuclear protein	Nucleus	other
8286	MKKS	-0.205	6.301	0.68368	0.99145	McKusick-Kaufman syndrome	Cytoplasm	other
8287	COG5	-0.220	6.409	0.68412	0.99145	component of oligomeric golgi complex 5	Cytoplasm	transporter
8288	NDB1	-0.238	5.672	0.68335	0.99145	NIH1/RNP12 binding protein 1 homolog (S. cerevisiae)	Nucleus	other
8289	HMGXB3	-0.285	6.094	0.68318	0.99145	HMG box domain containing 3	Nucleus	other
8290	NBP15	-0.402	4.542	0.68368	0.99145	neuroblastoma breakpoint family, member 15	Nucleus	other
8291	TRIGP1	-0.639	2.251	0.68376	0.99145	T cell receptor gamma joining P1	Other	other
8292	NOXA1	-0.748	1.913	0.68387	0.99145	NADPH oxidase activator 1	Other	other
8293	PLEKHN1	-0.872	2.274	0.68341	0.99145	pleckstrin homology domain containing, family N member 1	Other	other
8294	RORC	0.766	2.919	0.6869	0.99149	RAR-related orphan receptor C	Nucleus	ligand-dependent nuclear receptor
8295	RPL18P13	0.500	2.922	0.68477	0.99149	ribosomal protein L18 pseudogene 13	Other	other
8296	NEK4	0.364	4.493	0.68561	0.99149	NIMA-related kinase 4	Nucleus	kinase
8297	POMT1	0.335	5.561	0.68647	0.99149	protein O-mannosyltransferase 1	Cytoplasm	enzyme
8298	ZNF692	0.237	5.788	0.68589	0.99149	zinc finger protein 692	Other	other
8299	PPP3CA	0.223	6.417	0.68485	0.99149	protein phosphatase 3, catalytic subunit, alpha isozyme	Cytoplasm	phosphatase
8300	CCDC25	0.222	6.046	0.68724	0.99149	coiled-coil domain containing 25	Cytoplasm	other
8301	PARP10	0.208	6.571	0.68745	0.99149	poly (ADP-ribose) polymerase family, member 10	Cytoplasm	enzyme
8302	ZNFK1-AS1	0.200	6.218	0.68457	0.99149	ZNFK1 antisense RNA 1	Other	other
8303	CREB3	0.188	6.794	0.6851	0.99149	cAMP responsive element binding protein 3	Nucleus	transcription regulator
8304	DHX8	0.186	6.385	0.68679	0.99149	DEAH (Glu-Ala-His) box polypeptide 8	Nucleus	enzyme
8305	ZNF644	0.155	8.024	0.687	0.99149	zinc finger protein 644	Nucleus	other
8306	RPL18AP3	0.145	7.286	0.68721	0.99149	ribosomal protein L18a pseudogene 3	Other	other
8307	RPL32	0.143	7.750	0.68623	0.99149	ribosomal protein L32	Cytoplasm	other
8308	MYL6	0.134	8.438	0.6873	0.99149	myosin, light chain 6, alkali, smooth muscle and non-muscle	Cytoplasm	other
8309	ATP6AP2	-0.132	8.181	0.68526	0.99149	ATPase, H+ transporting, lysosomal accessory protein 2	Cytoplasm	transporter
8310	UQCRC1	-0.137	7.822	0.6873	0.99149	ubiquinol-cytochrome c reductase core protein I	Cytoplasm	enzyme
8311	RPL29	-0.147	7.347	0.6849	0.99149	ribosomal protein L29	Cytoplasm	other
8312	PIPAK2A	-0.153	7.644	0.684				

8316	KIF20B	-0.191	6.734	0.68625	0.99149	kinesin family member 20B	Nucleus	enzyme
8317	SSRP1	-0.191	6.438	0.68476	0.99149	structure specific recognition protein 1	Nucleus	other
8318	ISOC1	-0.235	6.003	0.68741	0.99149	isochorismatase domain containing 1	Cytoplasm	enzyme
8319	C8orf59	-0.242	5.488	0.68537	0.99149	chromosome 8 open reading frame 59	Other	other
8320	CCDC41	-0.270	5.586	0.68467	0.99149	centrosomal protein 83kDa	Extracellular Space	other
8321	ECST	-0.282	5.655	0.68624	0.99149	ECST signalling integrator	Nucleus	transcription regulator
8322	GNB2	-0.287	5.151	0.68609	0.99149	guanine nucleotide binding protein (G protein), beta polypeptide 2	Plasma Membrane	enzyme
8323	ARF3	-0.294	5.109	0.68614	0.99149	ADP-ribosylation factor 3	Cytoplasm	enzyme
8324	WWC2	-0.320	4.499	0.68501	0.99149	WW and C2 domain containing 2	Cytoplasm	other
8325	TRMT61A	-0.370	4.975	0.6867	0.99149	tRNA methyltransferase 61A	Other	enzyme
8326	NTPCR	-0.390	4.562	0.68559	0.99149	nucleoside-triphosphatase, cancer-related	Cytoplasm	other
8327	CYSLTR2	-0.409	3.525	0.68698	0.99149	cysteinyl leukotriene receptor 2	Plasma Membrane	G-protein coupled receptor
8328	FZD3	-0.539	4.392	0.68436	0.99149	frizzled class receptor 3	Plasma Membrane	G-protein coupled receptor
8329	PRADC1	-0.550	3.375	0.68686	0.99149	protease-associated domain containing 1	Extracellular Space	other
8330	SMARCD3	-0.716	3.336	0.68641	0.99149	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 3	Nucleus	transcription regulator
8331	ZN7F10	-0.731	2.637	0.68477	0.99149	zinc finger protein 710	Nucleus	other
8332	CYB5RL	-0.745	3.677	0.6858	0.99149	cytochrome b5 reductase-like	Nucleus	other
8333	VSIG10L	-0.746	2.551	0.68639	0.99149	V-set and immunoglobulin domain containing 10 like	Other	other
8334	ZN4F31	-0.195	6.245	0.68756	0.99154	zinc finger protein 431	Nucleus	other
8335	DPI19L3	0.392	4.071	0.68773	0.99167	dpy-19-like 3 (C. elegans)	Other	other
8336	RAB11RIP5	0.474	3.784	0.68813	0.99171	RAB11 family interacting protein 5 (class I)	Cytoplasm	other
8337	TNFAIP8L1	0.274	5.449	0.68808	0.99171	tumor necrosis factor, alpha-induced protein 8-like 1	Cytoplasm	other
8338	WDR45L	0.221	6.609	0.68839	0.99171	WD repeat domain 45B	Other	other
8339	CLINT1	0.142	7.895	0.68808	0.99171	clathrin interactor 1	Cytoplasm	other
8340	EIF3M	0.140	8.193	0.68842	0.99171	eukaryotic translation initiation factor 3, subunit M	Other	other
8341	DHTKD1	-0.291	5.078	0.6884	0.99171	dehydrogenase E1 and transketolase domain containing 1	Cytoplasm	enzyme
8342	CTC1	-0.310	5.937	0.6884	0.99171	CTS telomere maintenance complex component 1	Nucleus	other
8343	NCALD	-0.608	4.086	0.68803	0.99171	neurocalcin delta	Cytoplasm	other
8344	STAB1	-0.673	2.362	0.68859	0.99184	stabilin 1	Plasma Membrane	transporter
8345	DCAF13P1	0.529	2.812	0.68886	0.99198	DOB1 and CUL4 associated factor 13 pseudogene 1	Other	other
8346	VEZD1	0.157	7.309	0.6891	0.99198	vascular endothelial zinc finger 1	Nucleus	transcription regulator
8347	ZNFS18A	-0.181	6.435	0.68901	0.99198	zinc finger protein 518A	Other	other
8348	WBP11P1	-0.404	3.463	0.6891	0.99198	WW domain binding protein 11 pseudogene 1	Other	other
8349	DCLEIRE1B	-0.621	3.933	0.68885	0.99198	DNA cross-link repair 1B	Nucleus	enzyme
8350	CCT6P3	0.377	4.043	0.68927	0.99208	chaperonin containing TCP1, subunit 6 (beta) pseudogene 3	Other	other
8351	ST13P19	-0.519	2.773	0.68934	0.99208	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein) pseudogene 19	Other	other
8352	ZNFB41	-0.250	5.805	0.68962	0.99236	zinc finger protein 841	Other	other
8353	FABP3	1.091	1.827	0.69603	0.99246	fatty acid binding protein 3, muscle and heart	Cytoplasm	transporter
8354	ALMS1-IT1	0.983	1.794	0.69614	0.99246	ALMS1 intronic transcript 1	Other	other
8355	TGM2	0.924	1.777	0.69587	0.99246	transglutaminase 2	Cytoplasm	enzyme
8356	RHBDL2	0.894	1.767	0.69452	0.99246	rhomoid, veinlet-like 2 (Drosophila)	Plasma Membrane	peptidase
8357	GNGL10	0.705	1.980	0.69553	0.99246	guanine nucleotide binding protein (G protein), gamma 10	Plasma Membrane	enzyme
8358	PRRT3	0.676	1.947	0.69678	0.99246	proline-rich transmembrane protein 3	Other	other
8359	SPEG	0.663	2.258	0.69099	0.99246	SPEG complex locus	Nucleus	kinase
8360	NCTD9P1	0.645	2.227	0.69095	0.99246	potassium channel tetramerization domain containing 9 pseudogene 1	Other	other
8361	TAFL1	0.619	2.873	0.69713	0.99246	TAFL1 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 210kDa-like	Nucleus	transcription regulator
8362	IGF2R2P2	0.612	1.920	0.69542	0.99246	insulin-like growth factor 2 mRNA binding protein 2	Cytoplasm	translation regulator
8363	C8orf201	0.597	2.234	0.69584	0.99246	chromosome 6 open reading frame 201	Other	other
8364	PALLD	0.564	2.824	0.69345	0.99246	palladin, cytoskeletal associated protein	Plasma Membrane	other
8365	RN7SK	0.525	1.946	0.69418	0.99246	RNA, 7SK small nuclear	Nucleus	other
8366	PCDH9	0.509	4.220	0.69316	0.99246	protocadherin 9	Plasma Membrane	other
8367	NR1H3	0.507	3.461	0.69707	0.99246	nuclear receptor subfamily 1, group H, member 3	Nucleus	ligand-dependent nuclear receptor
8368	UBTD2	0.493	3.799	0.69851	0.99246	ubiquitin domain containing 2	Other	other
8369	PPP1R9B	0.460	3.609	0.69421	0.99246	protein phosphatase 1, regulatory subunit 9B	Cytoplasm	enzyme
8370	ST3GAL2	0.436	4.140	0.69123	0.99246	ST3 beta-galactoside alpha-2,3-sialyltransferase 2	Cytoplasm	enzyme
8371	FAM100B	0.432	3.682	0.69491	0.99246	UBA-like domain containing 2	Other	other
8372	SLX4	0.415	4.123	0.69718	0.99246	SLX4 structure-specific endonuclease subunit	Nucleus	other
8373	MORC2	0.401	4.732	0.69701	0.99246	MORC family CW-type zinc finger 2	Nucleus	other
8374	ACVR2B	0.391	4.218	0.69469	0.99246	activin A receptor, type IIB	Plasma Membrane	kinase
8375	PTPMT1	0.388	4.138	0.69772	0.99246	protein tyrosine phosphatase, mitochondrial 1	Cytoplasm	phosphatase
8376	LRRC14	0.382	5.650	0.69261	0.99246	leucine rich repeat containing 14	Other	other
8377	MAP3K14	0.372	5.124	0.69407	0.99246	mitogen-activated protein kinase kinase kinase 14	Cytoplasm	kinase
8378	PIK3C2B	0.371	4.202	0.69319	0.99246	phosphatidylinositol-4-phosphate 3-kinase, catalytic subunit type 2 beta	Cytoplasm	kinase
8379	PTMAP2	0.358	3.903	0.69557	0.99246	prothymosin, alpha pseudogene 2	Other	other
8380	DHRS12	0.355	4.811	0.6902	0.99246	dehydrogenase/reductase (SDR family) member 12	Nucleus	other
8381	GCDH	0.343	4.474	0.69794	0.99246	glutaryl-CoA dehydrogenase	Cytoplasm	enzyme
8382	GAR1	0.339	4.173	0.69265	0.99246	GAR1 ribonucleoprotein	Nucleus	ion channel
8383	MSANTD3	0.324	4.823	0.69522	0.99246	Myb/SANT-like DNA-binding domain containing 3	Other	other
8384	ABHD14A	0.285	5.296	0.69221	0.99246	abhydrolase domain containing 14A	Cytoplasm	enzyme
8385	APOPT1	0.284	4.711	0.6955	0.99246	apoptogenic 1, mitochondrial	Cytoplasm	other
8386	GMP	0.270	5.561	0.69709	0.99246	GFM interacting protein	Cytoplasm	enzyme
8387	RP56KC1	0.267	5.784	0.698	0.99246	ribosomal protein S6 kinase, 52kDa, polypeptide 1	Cytoplasm	kinase
8388	PARP16	0.246	5.888	0.69697	0.99246	poly (ADP-ribose) polymerase family, member 16	Cytoplasm	enzyme
8389	GEMIN8	0.238	5.490	0.698	0.99246	gem (nuclear organelle) associated protein 8	Other	other
8390	PPME1	0.237	6.330	0.6979	0.99246	protein phosphatase methyltransferase 1	Other	enzyme
8391	TRMT11	0.235	5.370	0.69486	0.99246	tRNA methyltransferase 11 homolog (S. cerevisiae)	Other	other
8392	ABHD4	0.223	6.641	0.69208	0.99246	abhydrolase domain containing 4	Other	peptidase
8393	FAM13B	0.220	6.682	0.69334	0.99246	family with sequence similarity 13, member 8	Cytoplasm	other
8394	CHD1L	0.213	6.757	0.69616	0.99246	chromodomain helicase DNA binding protein 1-like	Nucleus	enzyme
8395	NOC2L	0.211	6.365	0.69698	0.99246	nucleolar complex associated 2 homolog (S. cerevisiae)	Nucleus	transcription regulator
8396	METTL6	0.204	6.328	0.69245	0.99246	methyltransferase like 16	Other	other
8397	OXC1T	0.202	6.515	0.69825	0.99246	3-oxoacid CoA transferase 1	Cytoplasm	enzyme
8398	LAMTOR3	0.199	6.592	0.69655	0.99246	late endosomal/lysosomal adaptor, MAPK and MTOR activator 3	Cytoplasm	other
8399	GLTRD1	0.183	6.900	0.69471	0.99246	glycosyltransferase 8 domain containing 1	Cytoplasm	enzyme
8400	KIAA0141	0.175	6.633	0.6939	0.99246	KIAA0141	Cytoplasm	other
8401	UBAC2	0.170	7.085	0.69024	0.99246	UBA domain containing 2	Cytoplasm	enzyme
8402	BCAS2	0.165	6.804	0.6983	0.99246	breast carcinoma amplified sequence 2	Nucleus	other
8403	PPII4	0.161	7.082	0.69548	0.99246	peptidylprolyl isomerase (cyclophilin)-like 4	Nucleus	enzyme
8404	DHX15	0.157	8.311	0.69179	0.99246	DEAH (Asp-Glu-Ala-His) box helicase 15	Nucleus	enzyme
8405	UBE4A	0.155	7.222	0.69236	0.99246	ubiquitination factor 4A	Cytoplasm	other
8406	TTC39C	0.151	7.658	0.69429	0.99246	tetratricopeptide repeat domain 39C	Other	other
8407	PNN	0.149	8.198	0.69367	0.99246	pinin, desmosome associated protein	Plasma Membrane	other
8408	CNOD3	0.141	7.903	0.69215	0.99246	cyclin D3	Nucleus	other
8409	GPK4	0.131	7.833	0.69548	0.99246	glutathione peroxidase 4	Cytoplasm	enzyme
8410	DENNDA4	0.130	8.560	0.69764	0.99246	DENN/MADD domain containing 4A	Nucleus	enzyme
8411	TINF2	0.129	8.393	0.69188	0.99246	TERF1 (TRF1)-interacting nuclear factor 2	Nucleus	other
8412	ZC3H13	-0.131	8.322	0.6972	0.99246	zinc finger CCHC-type containing 13	Extracellular Space	other
8413	EIF3K	-0.135	7.722	0.69433	0.99246	eukaryotic translation initiation factor 3, subunit K	Cytoplasm	translation regulator
8414	ZNFA51	-0.143	7.576	0.69216	0.99246	zinc finger protein 451	Nucleus	other
8415	RSF1	-0.146	7.906	0.69149	0.99246	remodeling and spacing factor 1	Nucleus	transcription regulator
8416	REV3L	-0.148	7.554	0.69561	0.99246	REV3-like, polymerase (DNA directed), zeta, catalytic subunit	Nucleus	enzyme
8417	KLHDC2	-0.154	7.336	0.69266	0.99246	kelch domain containing 2	Cytoplasm	other
8418	FUS	-0.154	7.859	0.6951	0.99246	FUS RNA binding protein	Nucleus	transcription regulator
8419	PEX2	-0.164	6.887	0.69742	0.99246	peroxisomal biogenesis factor 2	Cytoplasm	other
8420	MOSPD2	-0.179	6.744	0.69804	0.99246	mottle sperm domain containing 2	Other	other
8421	MAU2	-0.179	7.082	0.6919	0.99246	MAU2 sister chromatid cohesion factor	Nucleus	other
8422	GRK6	-0.182	6.885	0.69252	0.99246	G protein-coupled receptor kinase 6	Plasma Membrane	kinase
8423	TAZ	-0.188	6.782	0.69824	0.99246	tafazzin	Nucleus	enzyme
8424	RNF139	-0.193	6.509	0.69285	0.99246	ring finger protein 139	Cytoplasm	enzyme
8425	IER3IP1	-0.212	6.301	0.69852	0.99246	immediate early response 3 interacting protein 1	Cytoplasm	other
8426	GALNT11	-0.214	6.604	0.69476	0.99246	polypeptide N-acetylglucosaminyltransferase 11	Cytoplasm	enzyme
8427	WDR46	-0.219	6.351	0.69552	0.99246	WD repeat domain 46	Nucleus	enzyme
8428	MEF2A	-0.225	5.902	0.69544	0.99246	myocyte enhancer factor 2A	Nucleus	transcription regulator
8429	TBC1	-0.225	5.641	0.69802	0.99246	tubulin folding cofactor E	Cytoplasm	other
8430	CD28	-0.228	6.422	0.69099	0.99246	CD28 molecule	Plasma Membrane	transmembrane receptor
8431	TERF1	-0.234	5.827	0.69153	0.99246	telomeric repeat binding factor (NIMA-interacting) 1	Nucleus	other
8432	MRPS11	-0.257	5.205	0.69455	0.99246	mitochondrial ribosomal protein S11	Cytoplasm	other
8433	LINC00493	-0.263	5.117	0.69486	0.99246	long intergenic non-protein coding RNA 493	Other	other
8434	MDP7	-0.275	5.693	0.69683	0.99246	exportin 7	Nucleus	transporter
8435	FAM58A	-0.277	5.637	0.69113	0.99246	family with sequence similarity 58, member A	Other	other
8436	XRC1	-0.298	5.669	0.69275	0.99246	X-ray repair complementing defective repair in Chinese hamster cells 1	Nucleus	other
8437	SMARCD1	-0.299	4.624	0.69692	0.99246	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 1	Nucleus	transcription regulator
8438	PRM1C1	-0.300	5.100	0.6945	0.99246	progesterone receptor membrane component 1	Plasma Membrane	transmembrane receptor
8439	CIDECP	-0.304	4.942	0.69652	0.99246	cell death-inducing DFFA-like effector c pseudogene	Other	other
8440	KIAA1731	-0.309	5.676	0.69318	0.99246	centrosomal protein 295kDa	Cytoplasm	other
8441	SNRPGP2	-0.318	4.404	0.69616	0.99246	small nuclear ribonucleoprotein polypeptide G pseudogene 2	Other	other
8442	PEX6	-0.341	4.632	0.69241	0.99246	peroxisomal biogenesis factor 6	Cytoplasm	enzyme
8443	BCR	-0.360	5.102	0.69431	0.99246	breakpoint cluster region	Cytoplasm	kinase
8444	DLS1	-0.375	4.190	0.69516	0.99246	dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex)	Cytoplasm	enzyme

8448	TRIM41	-0.418	3.463	0.69852	0.99246	tripartite motif containing 41		Cytoplasm	other
8449	BAK1P1	-0.432	3.370	0.69092	0.99246	BCL2-antagonist/Killer 1 pseudogene 1		Other	other
8450	BCL2L12	-0.445	3.208	0.69106	0.99246	BCL2-like 12 (proline rich)		Nucleus	other
8451	TRAM2	-0.456	4.163	0.69273	0.99246	translocation associated membrane protein 2		Other	other
8452	ANAPC10P	-0.484	2.872	0.69831	0.99246	anaphase promoting complex subunit 10 pseudogene 1		Other	other
8453	DDX18P5	-0.521	2.991	0.69314	0.99246	DEAD (Asp-Glu-Ala-Asp) box polypeptide 18 pseudogene 5		Other	other
8454	RPL39L	-0.589	2.796	0.69793	0.99246	ribosomal protein L39-like		Other	other
8455	MCOLN2	-0.654	3.171	0.69437	0.99246	microtubule 2		Plasma Membrane	ion channel
8456	TRD13	-0.714	1.971	0.69662	0.99246	T cell receptor delta joining 3		Other	other
8457	SPAG4	-0.805	2.194	0.69278	0.99246	sperm associated antigen 4		Cytoplasm	other
8458	IFI30	-0.904	2.245	0.69672	0.99246	interferon, gamma-inducible protein 30		Cytoplasm	enzyme
8459	HAUS1P1	-0.973	1.936	0.69231	0.99246	HAUS augmin-like complex, subunit 1 pseudogene 1		Other	other
8460	RPS16P5	0.718	1.798	0.69993	0.99275	ribosomal protein S16 pseudogene 5		Other	other
8461	RPL7AP66	0.537	2.413	0.69938	0.99275	ribosomal protein L7a pseudogene 66		Cytoplasm	other
8462	CD27-AS1	0.336	4.412	0.69991	0.99275	CD27 antisense RNA 1		Other	other
8463	PGAP1	0.196	6.311	0.69936	0.99275	post-GPI attachment to proteins 1		Cytoplasm	enzyme
8464	PRRC1	-0.156	7.095	0.69901	0.99275	proline-rich coiled-coil 1		Other	other
8465	SGK3	-0.287	4.691	0.69893	0.99275	serum/glucocorticoid regulated kinase family, member 3		Cytoplasm	kinase
8466	CAMKK2	-0.306	5.382	0.69926	0.99275	calcium/calmodulin-dependent protein kinase kinase 2, beta		Cytoplasm	kinase
8467	ZNF684	-0.377	4.546	0.69921	0.99275	zinc finger protein 684		Nucleus	other
8468	MRPL54	0.227	5.597	0.69953	0.99284	mitochondrial ribosomal protein L54		Cytoplasm	other
8469	BANF1P4	0.725	1.949	0.70103	0.99303	barrier to autointegration factor 1 pseudogene 4		Other	other
8470	ZNF876P	0.725	2.536	0.70197	0.99303	zinc finger protein 876, pseudogene		Other	other
8471	MFG8	0.494	3.797	0.70151	0.99303	milk fat globule-EGF factor 8 protein		Extracellular Space	other
8472	PABPC1P1	0.485	3.379	0.70202	0.99303	poly(A) binding protein, cytoplasmic 1 pseudogene 1		Other	other
8473	CHUK	0.204	6.195	0.70111	0.99303	conserved helix-loop-helix ubiquitin kinase		Cytoplasm	kinase
8474	RSBN1L	0.170	6.849	0.70086	0.99303	round spermatid basic protein 1-like		Other	other
8475	AMZ2	0.153	7.136	0.70023	0.99303	archaelysin family metalloproteinase 2		Other	other
8476	IFNAR1	0.145	7.162	0.70056	0.99303	interferon (alpha, beta and omega) receptor 1		Plasma Membrane	transmembrane receptor
8477	MORF4L2	0.136	7.953	0.70031	0.99303	mortality factor 4 like 2		Nucleus	other
8478	PPP2CA	0.133	8.417	0.70138	0.99303	protein phosphatase 2, catalytic subunit, alpha isozyme		Cytoplasm	phosphatase
8479	UAA0494	0.131	8.149	0.70193	0.99303	EF-hand calcium binding domain 14		Other	other
8480	SREK1	0.126	8.621	0.70001	0.99303	splicing regulatory glutamine/tyrosine-rich protein 1		Nucleus	other
8481	VYHAB	0.120	9.636	0.70186	0.99303	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta		Cytoplasm	transcription regulator
8482	RBBP6	-0.131	8.094	0.70206	0.99303	retinoblastoma binding protein 6		Nucleus	enzyme
8483	TMEM1616	-0.191	6.611	0.70201	0.99303	transmembrane protein 1616		Other	other
8484	RDX	-0.204	5.825	0.70099	0.99303	radixin		Cytoplasm	other
8485	C12orf10	-0.207	6.553	0.70006	0.99303	chromosome 12 open reading frame 10		Nucleus	other
8486	XPNPEP3	-0.248	5.652	0.7015	0.99303	X-prolyl aminopeptidase 3, mitochondrial		Cytoplasm	peptidase
8487	PRPS2	-0.270	5.171	0.70116	0.99303	phosphoribosyl pyrophosphate synthetase 2		Cytoplasm	kinase
8488	ATAD5	-0.299	5.270	0.70022	0.99303	ATPase family, AAA domain containing 5		Extracellular Space	other
8489	BAG2	-0.347	4.356	0.70047	0.99303	BCL2-associated athanogene 2		Cytoplasm	other
8490	TCF20	-0.386	4.129	0.70125	0.99303	transcription factor 20 (AR1)		Nucleus	transcription regulator
8491	S100A11P1	-0.398	3.508	0.70053	0.99303	S100 calcium binding protein A11 pseudogene 1		Other	other
8492	SEPT2P1	-0.422	3.292	0.7009	0.99303	septin 2 pseudogene 1		Other	other
8493	TREB2-2P	-0.438	3.639	0.70155	0.99303	T cell receptor beta joining 2-2P (non-functional)		Other	other
8494	TATON2P2	-0.484	4.863	0.70158	0.99303	TarD DNase domain containing 2 pseudogene 2		Other	other
8495	IPO4	-0.546	2.313	0.70017	0.99303	importin 4		Nucleus	transporter
8496	TIGD2	-0.739	3.561	0.70117	0.99303	tigger transposable element derived 2		Other	other
8497	TSYP26P	-0.743	3.256	0.70041	0.99303	testis specific protein, Y-linked 26, pseudogene		Other	other
8498	ZBTB6	0.306	5.369	0.70236	0.9931	zinc finger and BTB domain containing 6		Nucleus	other
8499	NENF	-0.225	5.528	0.70236	0.9931	neudensin neurotrophic factor		Extracellular Space	growth factor
8500	SNORA84	-0.434	3.483	0.70224	0.9931	small nucleolar RNA, H/ACA box 84		Other	other
8501	RPL13	-0.128	8.779	0.70255	0.99326	ribosomal protein L13		Nucleus	other
8502	CLCC1	0.264	5.483	0.70281	0.99347	chloride channel CLIC-like 1		Cytoplasm	ion channel
8503	TPANS	-0.520	3.781	0.70295	0.99347	tetraspanin 5		Plasma Membrane	other
8504	STPG1	-0.768	2.525	0.70293	0.99347	sperm-tail PG-rich repeat containing 1		Other	other
8505	SCML2	-0.685	2.388	0.70315	0.99363	sex comb on midleg like 2 (Drosophila)		Nucleus	transcription regulator
8506	SERPINH1	0.757	2.648	0.70346	0.99364	serpin peptidase inhibitor, clade H (heat shock protein 47), member 1, (collagen binding protein 1)		Extracellular Space	other
8507	NCR3	0.478	4.562	0.70354	0.99364	natural cytotoxicity triggering receptor 3		Plasma Membrane	transmembrane receptor
8508	MPC2	0.198	5.978	0.70353	0.99364	mitochondrial pyruvate carrier 2		Plasma Membrane	other
8509	ACSF3	-0.187	6.501	0.70357	0.99364	acyl-CoA synthetase family member 3		Cytoplasm	enzyme
8510	ANKHD1-E1	-0.435	4.013	0.70331	0.99364	ankyrin repeat and KH domain containing 1		Other	other
8511	TYMS	0.460	3.776	0.7044	0.99379	thymidylate synthetase		Nucleus	enzyme
8512	EMILIN2	0.410	3.899	0.70377	0.99379	elastin microfibril interfacer 2		Extracellular Space	other
8513	RTN3P1	0.295	4.838	0.70402	0.99379	reticulon 3 pseudogene 1		Other	other
8514	THOC5	0.259	5.943	0.70475	0.99379	THO complex 5		Cytoplasm	other
8515	ANXA6	0.170	6.462	0.70405	0.99379	annexin A6		Plasma Membrane	ion channel
8516	NEAT1	0.157	10.840	0.70454	0.99379	nuclear paraspeckle assembly transcript 1 (non-protein coding)		Other	other
8517	AP1G1	-0.166	7.041	0.70473	0.99379	adaptor-related protein complex 1, gamma 1 subunit		Cytoplasm	transporter
8518	TCOF1	-0.201	6.130	0.70474	0.99379	Treacher Collins-Franceschetti syndrome 1		Nucleus	transporter
8519	UPF3B	-0.204	6.007	0.7045	0.99379	UPF3 regulator of nonsense transcripts homolog B (yeast)		Nucleus	transporter
8520	ZFAND2A	-0.249	6.358	0.70465	0.99379	zinc finger, AN1-type domain 2A		Other	other
8521	TMEM106A	-0.393	3.947	0.70444	0.99379	transmembrane protein 106A		Cytoplasm	other
8522	FRS3	-0.792	2.198	0.70425	0.99379	fibroblast growth factor receptor substrate 3		Plasma Membrane	other
8523	HNRNPALF	-0.874	1.836	0.70399	0.99379	heterogeneous nuclear ribonucleoprotein A1 pseudogene 15		Other	other
8524	SRRM1P3	0.339	4.321	0.70491	0.9939	serine/arginine repetitive matrix 1 pseudogene 3		Other	other
8525	FDXACB1	-0.356	4.313	0.70511	0.99406	ferredoxin-fold anticodon binding domain containing 1		Other	other
8526	KTN1-AS1	0.885	1.849	0.70644	0.99415	KTN1 antisense RNA 1		Other	other
8527	ASAH2B	0.797	1.882	0.70577	0.99415	N-acylsphingosine amidohydrolase (non-lysosomal ceramidase) 2B		Cytoplasm	other
8528	DTX2P1	0.724	1.986	0.70538	0.99415	prickle homolog 3 (Drosophila)		Other	other
8529	PRICKLE3	0.611	2.879	0.70602	0.99415	prickle homolog 3 (Drosophila)		Other	other
8530	STRADA	0.405	3.986	0.70577	0.99415	STE20-related kinase adaptor alpha		Nucleus	kinase
8531	TRIM62	0.356	4.151	0.70551	0.99415	tripartite motif containing 62		Cytoplasm	enzyme
8532	FAM210B	0.281	5.505	0.70552	0.99415	family with sequence similarity 210, member 8		Extracellular Space	other
8533	AGAP2	0.273	4.663	0.70649	0.99415	ArfGAP with GTPase domain, ankyrin repeat and PH domain 2		Nucleus	enzyme
8534	CAAP1	0.244	5.407	0.70636	0.99415	caspase activity and apoptosis inhibitor 1		Other	other
8535	PTDSS1	-0.128	8.007	0.70534	0.99415	phosphatidylserine synthase 1		Cytoplasm	enzyme
8536	DUSP11	-0.137	7.410	0.70567	0.99415	dual specificity phosphatase 11 (RNA/RNP complex 1-interacting)		Nucleus	phosphatase
8537	NEU1	-0.158	6.875	0.70639	0.99415	sialidase 1 (lysosomal sialidase)		Cytoplasm	enzyme
8538	PARP12	-0.187	7.791	0.70636	0.99415	poly (ADP-ribose) polymerase family, member 12		Nucleus	other
8539	MMGT1	-0.211	5.637	0.70611	0.99415	membrane magnesium transporter 1		Cytoplasm	transporter
8540	ZNF444	-0.339	4.480	0.70642	0.99415	zinc finger protein 444		Nucleus	transcription regulator
8541	STGALNAA	-0.489	3.900	0.706	0.99415	STG (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetyl-galactosaminide alpha-2,6-sialyltransferase 2		Cytoplasm	enzyme
8542	LACSL	0.810	2.462	0.70684	0.99452	Leber congenital amaurosis 5-like		Extracellular Space	other
8543	SLC35A2	0.348	4.231	0.70722	0.9946	solute carrier family 35 (UDPGalactose transporter), member A2		Cytoplasm	other
8544	MRP518A	0.315	4.503	0.70717	0.9946	mitochondrial ribosomal protein S18A		Cytoplasm	other
8545	SREK1IP1	-0.250	5.687	0.70709	0.9946	SREK1-interacting protein 1		Other	other
8546	NOP9	-0.499	3.499	0.70716	0.9946	NOP9 nucleolar protein		Nucleus	other
8547	C16orf58	0.286	4.667	0.70747	0.99466	chromosome 16 open reading frame 58		Other	other
8548	HIPK1	-0.153	7.152	0.70752	0.99466	homeodomain interacting protein kinase 1		Nucleus	kinase
8549	ZNF845	-0.217	5.938	0.70744	0.99466	zinc finger protein 845		Other	other
8550	ETF1	-0.179	6.438	0.70767	0.99476	eukaryotic translation termination factor 1		Cytoplasm	translation regulator
8551	C16orf77	0.588	3.626	0.70992	0.99496	VPS9 domain containing 1		Other	transporter
8552	APC8EC3D	0.540	3.312	0.70924	0.99496	apoptin protein B mRNA editing enzyme, catalytic polypeptide-like 3D		Cytoplasm	other
8553	FBXO44	0.539	2.894	0.70992	0.99496	F-box protein 44		Other	other
8554	NEDD4L	0.494	3.022	0.71038	0.99496	neural precursor cell expressed, developmentally down-regulated 4-like, E3 ubiquitin protein ligase		Cytoplasm	enzyme
8555	PRR3	0.444	3.899	0.71219	0.99496	proline-rich 3		Other	other
8556	ZNF222	0.383	4.649	0.70872	0.99496	zinc finger protein 222		Nucleus	other
8557	TTYH3	0.352	3.170	0.71047	0.99496	twenty family member 3		Plasma Membrane	ion channel
8558	FAHD2A	0.351	4.380	0.70853	0.99496	fumarylacetoacetate hydrolase domain containing 2A		Other	enzyme
8559	DHODH	0.313	4.814	0.71154	0.99496	dihydroorotate dehydrogenase (quinone)		Cytoplasm	enzyme
8560	TMEM194B	0.289	5.378	0.71136	0.99496	transmembrane protein 194B		Other	other
8561	C2orf43	0.288	4.992	0.71031	0.99496	lipid droplet associated hydrolase		Other	enzyme
8562	TADA2B	0.277	5.394	0.71017	0.99496	transcriptional adaptor 2B		Nucleus	other
8563	GIMAP4	0.255	7.741	0.70967	0.99496	GTPase, IMAP family member 4		Nucleus	other
8564	RBBP8	0.226	5.707	0.71036	0.99496	retinoblastoma binding protein 8		Nucleus	enzyme
8565	SPIC1	0.220	5.570	0.71093	0.99496	spindle and centriole associated protein 1		Cytoplasm	other
8566	PPF6R2	0.215	5.757	0.71229	0.99496	protein phosphatase 6, regulatory subunit 2		Other	other
8567	PKRIP1	0.189	6.316	0.71228	0.99496	PKR interacting protein 1 (IL11 inducible)		Nucleus	other
8568	NUPL1	0.187	6.536	0.70819	0.99496	nucleoporin like 1		Nucleus	transporter
8569	GRIPAP1	0.158	7.016	0.71015	0.99496	GRIP1 associated protein 1		Plasma Membrane	other
8570	POLK	0.153	7.030	0.711	0.99496	polymerase (DNA directed) kappa		Nucleus	enzyme
8571	MORF4L1	0.145	7.135	0.71015					

8580	FAM177A1	-0.155	6.904	0.71121	0.99496	family with sequence similarity 177, member A1	Other	other
8581	C1orf123	-0.168	6.582	0.70926	0.99496	chromosome 1 open reading frame 123	Cytoplasm	other
8582	HEXA	-0.169	6.321	0.70995	0.99496	hexosaminidase A (alpha polypeptide)	Cytoplasm	enzyme
8583	RPL26	-0.178	6.247	0.71225	0.99496	ribosomal protein L26	Cytoplasm	other
8584	THAP11	-0.181	6.292	0.71253	0.99496	THAP domain containing 11	Nucleus	other
8585	POLR3C	-0.189	6.977	0.71232	0.99496	polymerase (RNA) III (DNA directed) polypeptide C (62kD)	Nucleus	enzyme
8586	HMA20A	-0.201	6.135	0.70905	0.99496	high mobility group 20A	Nucleus	transcription regulator
8587	S100PBP	-0.204	6.200	0.71193	0.99496	S100P binding protein	Nucleus	other
8588	RAB1F	-0.214	5.889	0.71239	0.99496	RAB interacting factor	Other	transporter
8589	ISY1	-0.216	5.814	0.71071	0.99496	ISY1 splicing factor homolog (S. cerevisiae)	Nucleus	other
8590	RNASEH2B	-0.222	5.694	0.70916	0.99496	ribonuclease H2, subunit B	Nucleus	enzyme
8591	MRP536	-0.247	5.202	0.70827	0.99496	mitochondrial ribosomal protein S36	Cytoplasm	other
8592	TRGC2	-0.258	5.503	0.70884	0.99496	T cell receptor gamma constant 2	Other	other
8593	C16orf87	-0.284	4.704	0.70944	0.99496	chromosome 16 open reading frame 87	Other	other
8594	CAB39L	-0.288	5.335	0.71083	0.99496	calcium binding protein 39-like	Cytoplasm	kinase
8595	PLEKH8P1	-0.324	4.751	0.70811	0.99496	pleckstrin homology domain containing, family A member 8 pseudogene 1	Other	other
8596	SNRPGP10	-0.332	3.822	0.70892	0.99496	small nuclear ribonucleoprotein polypeptide G pseudogene 10	Other	other
8597	CFL1P2	-0.333	3.623	0.70935	0.99496	cofilin 1 (non-muscle) pseudogene 2	Other	other
8598	ARPC3P5	-0.359	3.173	0.71209	0.99496	actin related protein 2/3 complex, subunit 3 pseudogene 5	Other	other
8599	DVL1	-0.371	4.108	0.7124	0.99496	dishevelled segment polarity protein 1	Cytoplasm	other
8600	PRKRIRP7	-0.468	3.244	0.7089	0.99496	protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor) pseudogene 7	Other	other
8601	ZNF598	-0.468	3.466	0.71247	0.99496	zinc finger protein 598	Extracellular Space	other
8602	NDUFAF2	-0.481	3.365	0.71245	0.99496	NADH dehydrogenase (ubiquinone) complex 1, assembly factor 2	Cytoplasm	enzyme
8603	AGBL3	-0.498	3.352	0.70998	0.99496	ATP/GTP binding protein-like 3	Other	peptidase
8604	C21orf7	-0.564	3.612	0.70857	0.99496	MAP3K7 C-terminal like	Other	other
8605	FAM24B	-0.659	2.055	0.71144	0.99496	family with sequence similarity 24, member 8	Other	other
8606	HSD11B1L	-0.712	2.138	0.71168	0.99496	hydroxysteroid (11-beta) dehydrogenase 1-like	Other	other
8607	ATPSG1P5	-0.715	2.074	0.71138	0.99496	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit C1 (subunit 9) pseudogene 5	Other	other
8608	LPHN1	0.363	4.457	0.71272	0.99499	adhesion G protein-coupled receptor L1	Plasma Membrane	G-protein coupled receptor
8609	ZNF581	-0.187	6.326	0.71269	0.99499	zinc finger protein 581	Nucleus	other
8610	COX5AP2	0.634	2.359	0.7128	0.995	cytochrome c oxidase subunit Va pseudogene 2	Other	other
8611	PHF16	-0.637	2.446	0.71292	0.99505	jade family PHD finger 3	Nucleus	other
8612	COPG2	0.666	2.612	0.71368	0.99525	costumer protein complex, subunit gamma 2	Cytoplasm	transporter
8613	BTBD3	0.506	4.112	0.71342	0.99525	BTB (POZ) domain containing 3	Other	other
8614	CSDAP1	0.453	3.296	0.71472	0.99525	Y box binding protein 3 pseudogene 1	Other	other
8615	RRP7B	0.413	4.168	0.71414	0.99525	ribosomal RNA processing 7 homolog B (S. cerevisiae), pseudogene	Other	other
8616	CUL9	0.360	4.921	0.71498	0.99525	culin 9	Cytoplasm	other
8617	CPQ	0.335	4.468	0.71396	0.99525	carboxypeptidase Q	Extracellular Space	peptidase
8618	HAU55	0.303	4.750	0.71472	0.99525	HAUS augmin-like complex, subunit 5	Cytoplasm	other
8619	SLAIN1	0.283	4.650	0.71449	0.99525	SLAIN motif family, member 1	Other	other
8620	ZNF141	0.209	5.775	0.71391	0.99525	zinc finger protein 141	Nucleus	other
8621	SACM1L	0.162	7.652	0.7142	0.99525	SAC1 suppressor of actin mutations 1-like (yeast)	Cytoplasm	phosphatase
8622	ZNF266	0.129	7.988	0.71455	0.99525	zinc finger protein 266	Nucleus	other
8623	TCF25	0.125	7.993	0.71473	0.99525	transcription factor 25 (basic helix-loop-helix)	Nucleus	transcription regulator
8624	AKAP9	0.124	9.278	0.71484	0.99525	A kinase (PRK) anchor protein 9	Cytoplasm	other
8625	MYL17B	-0.119	8.490	0.71441	0.99525	myosin, light chain 12B, regulatory	Cytoplasm	other
8626	ADNP	-0.165	7.031	0.71395	0.99525	activity-dependent neuroprotector homeobox	Nucleus	transcription regulator
8627	TDP2	-0.194	6.168	0.71343	0.99525	tyrosyl-DNA phosphodiesterase 2	Cytoplasm	transcription regulator
8628	UBE2E3	-0.282	5.327	0.71395	0.99525	ubiquitin-conjugating enzyme E2E 3	Nucleus	enzyme
8629	TMEM187	-0.296	4.714	0.71452	0.99525	transmembrane protein 187	Cytoplasm	other
8630	UQCRCF51P	-0.403	3.390	0.71393	0.99525	ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1 pseudogene 1	Cytoplasm	other
8631	RBMS2	-0.497	3.708	0.71458	0.99525	RNA binding motif, single stranded interacting protein 2	Nucleus	other
8632	RPL35P1	-0.597	2.051	0.71496	0.99525	ribosomal protein L35 pseudogene 1	Other	other
8633	LIN7B	-0.637	3.223	0.7133	0.99525	lin-7 homolog B (C. elegans)	Cytoplasm	other
8634	QRSL1P1	-0.791	2.058	0.71341	0.99525	glutaminyl-tRNA synthase (glutamine-hydrolyzing)-like 1 pseudogene 1	Other	other
8635	FAM174B	0.808	2.509	0.71584	0.99529	family with sequence similarity 174, member 8	Other	other
8636	KRR1P1	0.661	2.130	0.71707	0.99529	KRR1, small subunit (SSU) processome component, homolog (yeast) pseudogene 1	Other	other
8637	SYNPO2	0.606	2.103	0.71595	0.99529	synaptogodin 2	Cytoplasm	other
8638	ZCAH2	0.543	4.235	0.71657	0.99529	zinc finger, C4H2 domain containing	Other	other
8639	FAHD2CP	0.482	2.704	0.71589	0.99529	fumarylacetoacetate hydrolase domain containing 2C, pseudogene	Other	other
8640	FRMD6	0.415	4.014	0.7164	0.99529	FERM domain containing 6	Cytoplasm	other
8641	RTTN	0.253	5.550	0.71648	0.99529	rotatin	Other	other
8642	RNF2	0.217	6.046	0.71554	0.99529	ring finger protein 2	Nucleus	transcription regulator
8643	MED29	0.180	6.172	0.71517	0.99529	mediator complex subunit 29	Nucleus	other
8644	REL	0.158	6.676	0.71552	0.99529	v-rel avian reticuloendotheliosis viral oncogene homolog	Nucleus	transcription regulator
8645	HECA	0.151	7.288	0.71665	0.99529	headcase homolog (Drosophila)	Other	other
8646	HMI13	0.144	8.461	0.7156	0.99529	histocompatibility (minor) 13	Cytoplasm	peptidase
8647	RPL14	0.138	7.523	0.71607	0.99529	ribosomal protein L14	Cytoplasm	other
8648	G3BP2	-0.120	8.285	0.7179	0.99529	GTPase activating protein (SH3 domain) binding protein 2	Cytoplasm	enzyme
8649	CALM1	-0.121	9.228	0.71572	0.99529	calmodulin 1 (phosphorylase kinase, delta)	Cytoplasm	other
8650	DNAIB6	-0.125	7.764	0.71528	0.99529	DnaI (Hsp40) homolog, subfamily B, member 6	Nucleus	transcription regulator
8651	SMU1	-0.146	6.958	0.71755	0.99529	smu-1 suppressor of mec-8 and unc-52 homolog (C. elegans)	Nucleus	other
8652	SDF2	-0.147	7.002	0.71782	0.99529	stromal cell-derived factor 2	Extracellular Space	enzyme
8653	DCLE1C	-0.157	6.871	0.71657	0.99529	DNA cross-link repair 1C	Nucleus	enzyme
8654	SNX5	-0.160	6.592	0.71742	0.99529	sorting nexin 5	Cytoplasm	transporter
8655	GGA1	-0.174	6.548	0.71774	0.99529	golgi-associated, gamma adaptin ear containing, ARF binding protein 1	Cytoplasm	transporter
8656	MPC1	-0.192	5.898	0.71614	0.99529	mitochondrial pyruvate carrier 1	Cytoplasm	other
8657	PNP1T1	-0.193	5.942	0.71758	0.99529	polynucleotide nucleotidyltransferase 1	Cytoplasm	enzyme
8658	MED21	-0.214	6.150	0.71733	0.99529	mediator complex subunit 21	Nucleus	transcription regulator
8659	NDUFAF1	-0.220	5.751	0.71697	0.99529	NADH dehydrogenase (ubiquinone) complex 1, assembly factor 1	Cytoplasm	other
8660	TMEM115	-0.229	5.189	0.71748	0.99529	transmembrane protein 115	Cytoplasm	other
8661	MAN2A2	-0.256	6.161	0.71656	0.99529	mannosidase, alpha, class 2A, member 2	Cytoplasm	enzyme
8662	KIAA1737	-0.310	4.618	0.71693	0.99529	CLOCK-interacting pacemaker	Nucleus	other
8663	EMD	-0.336	4.138	0.71777	0.99529	emerin	Nucleus	other
8664	ABHD11	-0.365	4.631	0.71565	0.99529	abhydrolase domain containing 11	Cytoplasm	enzyme
8665	BRI3BP	-0.376	4.398	0.71688	0.99529	BRI3 binding protein	Extracellular Space	other
8666	SUB1P3	-0.442	3.171	0.71757	0.99529			
8667	PDF	-0.623	2.817	0.7166	0.99529	peptide deformylase (mitochondrial)	Cytoplasm	enzyme
8668	FBXL2	-0.646	3.175	0.71747	0.99529	F-box and leucine-rich repeat protein 2	Cytoplasm	enzyme
8669	SPRYD3	-0.163	6.723	0.71796	0.99537	SPRY domain containing 3	Other	other
8670	INSL6	0.425	2.504	0.71823	0.99551	insulin-like 6	Extracellular Space	other
8671	NFATC2	-0.168	7.382	0.7182	0.99551	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2	Nucleus	transcription regulator
8672	NIPF1	-0.246	5.320	0.71845	0.99571	NF1 domain family, member 1	Cytoplasm	other
8673	RPS3AP5	0.739	2.065	0.71893	0.99579	ribosomal protein S3A pseudogene 5	Other	other
8674	WDYHV1	0.359	3.793	0.719	0.99579	WDYHV motif containing 1	Cytoplasm	other
8675	RELT	0.285	4.415	0.71895	0.99579	RELT tumor necrosis factor receptor	Plasma Membrane	transmembrane receptor
8676	PLAA	-0.205	6.644	0.71883	0.99579	phospholipase A2-activating protein	Cytoplasm	other
8677	THNSL1	-0.294	4.864	0.7187	0.99579	threonine synthase-like 1 (S. cerevisiae)	Nucleus	kinase
8678	FUNDG2P2	-0.440	2.492	0.71892	0.99579	FUN14 domain containing 2 pseudogene 2	Other	other
8679	HNRNPUL1	0.160	6.819	0.71929	0.99588	heterogeneous nuclear ribonucleoprotein U-like 1	Nucleus	other
8680	CDK10	-0.158	6.816	0.71932	0.99588	cyclin-dependent kinase 10	Nucleus	kinase
8681	LRP2BP	-0.451	3.716	0.71923	0.99588	LRP2 binding protein	Cytoplasm	other
8682	SCP2	-0.153	6.956	0.71955	0.99593	sterol carrier protein 2	Cytoplasm	transporter
8683	MRPL43	-0.203	5.800	0.71954	0.99593	mitochondrial ribosomal protein L43	Cytoplasm	translation regulator
8684	C12orf60	-0.447	3.209	0.7196	0.99593	chromosome 12 open reading frame 60	Extracellular Space	other
8685	MACROD1	-0.720	1.922	0.7197	0.99595	MACRO domain containing 1	Cytoplasm	enzyme
8686	SECG1A1	0.149	8.836	0.72011	0.99619	Sec61 alpha 1 subunit (S. cerevisiae)	Cytoplasm	transporter
8687	CIZ1	-0.213	5.749	0.72002	0.99619	CDKN1A interacting zinc finger protein 1	Nucleus	transporter
8688	MRPL22	-0.218	5.985	0.72013	0.99619	mitochondrial ribosomal protein L22	Cytoplasm	other
8689	MIRLET7F3	0.783	1.958	0.72046	0.99622	microRNA let-7a-1	Cytoplasm	microRNA
8690	ZMAT5	0.378	3.897	0.72047	0.99622	zinc finger, matrix-type 5	Nucleus	other
8691	DYNLT3P1	-0.422	3.186	0.72029	0.99622	dynein, light chain, Tctex-type 3 pseudogene 1	Other	other
8692	CNTD1	-0.474	3.350	0.72044	0.99622	cyclin N-terminal domain containing 1	Other	other
8693	HECTD2	0.704	2.726	0.72277	0.99629	HECT domain containing E3 ubiquitin protein ligase 2	Other	enzyme
8694	ODF3B	0.597	3.216	0.72088	0.99629	outer dense fiber of sperm tails 3B	Other	enzyme
8695	PCCA	0.484	4.034	0.72202	0.99629	propionyl CoA carboxylase, alpha polypeptide	Cytoplasm	enzyme
8696	ZNF839	0.453	2.877	0.72126	0.99629	zinc finger protein 839	Other	other
8697	NOX1	0.421	4.505	0.72239	0.99629	nuclear protein with MIF4G domain 1	Nucleus	other
8698	CLPB5	0.313	4.661	0.72144	0.99629	centrosomal protein 89kDa	Nucleus	other
8699	PYRDXD1	0.231	5.284	0.72217	0.99629	pyridine nucleotide-disulphide oxidoreductase domain 1	Other	other
8700	TRIB2	0.209	7.237	0.72123	0.99629	tribbles pseudokinase 2	Plasma Membrane	kinase
8701	ACTR6	0.189	5.982	0.72273	0.99629	ARPG actin-related protein 6 homolog (yeast)	Other	transporter
8702	IKBKAP	0.184	6.423	0.72269	0.99629	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase complex-associated protein	Cytoplasm	other
8703	PMS1	0.179	6.552	0.72301	0.99629	PMS1 postmeiotic segregation increased 1 (S. cerevisiae)	Nucleus	enzyme
8704	ZCCHC8	0.174	6.577	0.72193	0.99629	zinc finger, CCH domain containing 8	Nucleus	other
8705	RPL27A	0.148	6.778	0.72272	0.99629	ribosomal protein L27a	Cytoplasm	other
8706	INPP5D	0.143	7.862	0.72138	0.99629	inositol polyphosphate-5-phosphatase, 145kDa	Cytoplasm	phosphatase
8707	TXLNA	0.126	7.828	0.72175	0.99629	taxilin alpha	Extracellular Space	cytokine
8708	DAXX	0.124	7.589	0.72202	0.99629	death-domain associated protein	Nucleus	transcription regulator

8712	CIGALT1	-0.142	6.974	0.72213	0.99629	core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1	Plasma Membrane	enzyme
8713	NBN	-0.144	6.908	0.72298	0.99629	nibrin	Nucleus	other
8714	CLT8	-0.152	6.599	0.72136	0.99629	clathrin, light chain 8	Plasma Membrane	other
8715	FRG1	-0.214	5.463	0.72283	0.99629	F3HD region gene 1	Nucleus	transporter
8716	MB1	-0.250	6.303	0.72195	0.99629	mindbomb E3 ubiquitin protein ligase 1	Cytoplasm	other
8717	SFA2	-0.268	6.461	0.72242	0.99629	splicing factor 3A, subunit 2, 66kDa	Nucleus	other
8718	DCAF17	-0.280	4.801	0.72224	0.99629	DOB1 and CUL4 associated factor 17	Other	other
8719	PCD2	-0.284	4.704	0.72123	0.99629	perlin-4 alpha-carbodiimine dehydratase/dimerization cofactor of hepatocyte nuclear factor 1 alpha (TCF1) 2	Other	enzyme
8720	CCDC127	-0.288	4.899	0.72247	0.99629	coiled-coil domain containing 127	Other	other
8721	STK19	-0.378	4.759	0.72285	0.99629	serine/threonine kinase 19	Nucleus	kinase
8722	CATSPER2H	-0.441	3.057	0.72096	0.99629	cation channel, sperm associated 2 pseudogene 1	Other	other
8723	SAP30BP	0.145	7.396	0.72323	0.99647	SAP30 binding protein	Nucleus	transcription regulator
8724	RPS18P12	0.204	5.616	0.72359	0.99651	ribosomal protein S18 pseudogene 12	Other	other
8725	ATPSA1	-0.114	8.865	0.72353	0.99651	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1, cardiac muscle	Cytoplasm	transporter
8726	TECRP1	-0.212	5.593	0.72359	0.99651	trans-2,3-enoyl-CoA reductase pseudogene 1	Other	other
8727	RNF123	-0.350	4.469	0.72346	0.99651	ring finger protein 123	Cytoplasm	other
8728	HEY1	0.833	2.354	0.73115	0.99669	hes-related family bHLH transcription factor with YRPW motif 1	Nucleus	transcription regulator
8729	TRBJ2-2	0.736	2.064	0.72467	0.99669	T cell receptor beta joining 2-2	Other	other
8730	CXCR7	0.609	2.615	0.72695	0.99669	atypical chemokine receptor 3	Plasma Membrane	G-protein coupled receptor
8731	CKOH4A	0.593	2.482	0.72899	0.99669	branched chain keto acid dehydrogenase E1, alpha polypeptide	Cytoplasm	enzyme
8732	FAM209B	0.523	2.617	0.72928	0.99669	family with sequence similarity 209, member 8	Nucleus	other
8733	PROX2P1	0.489	2.898	0.72966	0.99669	peroxisomal 2 pseudogene 1	Other	other
8734	TLR2	0.485	3.925	0.72426	0.99669	tolll-like receptor 2	Plasma Membrane	transmembrane receptor
8735	FUT4	0.470	4.052	0.72747	0.99669	fucosyltransferase 4 (alpha 1,3) fucosyltransferase, myeloid specific	Cytoplasm	enzyme
8736	SERPIND1	0.447	2.522	0.72556	0.99669	serpin peptidase inhibitor, clade D (heparin cofactor), member 1	Extracellular Space	other
8737	EEF1A1P9	0.420	3.209	0.72832	0.99669	eukaryotic translation elongation factor 1 alpha 1 pseudogene 9	Other	other
8738	DCAF15	0.413	3.629	0.73055	0.99669	DOB1 and CUL4 associated factor 15	Other	other
8739	RWDD4	0.392	3.575	0.73045	0.99669	RWD domain containing 4	Other	other
8740	ATAT1	0.390	4.176	0.72387	0.99669	alpha tubulin acetyltransferase 1	Cytoplasm	enzyme
8741	LCAT	0.373	3.539	0.72422	0.99669	lecithin-cholesterol acyltransferase	Extracellular Space	enzyme
8742	EIFSAL1	0.316	4.188	0.72813	0.99669	eukaryotic translation initiation factor 5A-like 1	Other	other
8743	BCDN3D	0.311	4.261	0.729	0.99669	BCDN3 domain containing	Cytoplasm	enzyme
8744	PPH	0.278	4.478	0.7229	0.99669	peptidyl/tyrosyl isomerase H (cyclophilin H)	Nucleus	enzyme
8745	ZBTB33	0.271	6.423	0.73184	0.99669	zinc finger and BTB domain containing 33	Nucleus	other
8746	KATNB1	0.261	5.096	0.72723	0.99669	katanin p80 (WD repeat containing) subunit B 1	Cytoplasm	enzyme
8747	PPP2R5D	0.248	5.378	0.73218	0.99669	protein phosphatase 2, regulatory subunit B', delta	Nucleus	phosphatase
8748	PTRH2	0.240	5.592	0.7266	0.99669	peptidyl-L-arginine hydrolase 2	Cytoplasm	enzyme
8749	SCYL3	0.213	6.079	0.7286	0.99669	SCY1-like 3 (S. cerevisiae)	Cytoplasm	kinase
8750	ZNF566	0.211	5.875	0.72875	0.99669	zinc finger protein 566	Nucleus	other
8751	ZNF600	0.209	6.871	0.72979	0.99669	zinc finger protein 600	Other	other
8752	RCAN3	0.204	6.496	0.72814	0.99669	RCAN family member 3	Other	other
8753	SLC38A10	0.199	6.408	0.73007	0.99669	solute carrier family 38, member 10	Cytoplasm	other
8754	EIF2C4	0.197	6.509	0.73029	0.99669	argonauts RISC catalytic component 4	Nucleus	translation regulator
8755	AKO1	0.196	5.843	0.73107	0.99669	adenylate kinase 9	Nucleus	kinase
8756	NPK1L1	0.192	6.345	0.72929	0.99669	hypoxanthine phosphoribosyltransferase 1	Cytoplasm	enzyme
8757	SECSBP2L	0.190	6.446	0.73183	0.99669	SECS binding protein 2-like	Other	other
8758	PHF14	0.186	6.099	0.7288	0.99669	PHD finger protein 14	Nucleus	other
8759	PLEKHA3	0.180	6.027	0.72906	0.99669	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 3	Cytoplasm	other
8760	NRF1	0.177	6.257	0.72732	0.99669	nuclear respiratory factor 1	Nucleus	transcription regulator
8761	CPSF1	0.176	6.417	0.72642	0.99669	cleavage and polyadenylation specific factor 1, 160kDa	Nucleus	other
8762	FAM122B	0.175	6.106	0.72954	0.99669	family with sequence similarity 122B	Other	other
8763	RPS2P5	0.173	6.086	0.7242	0.99669	ribosomal protein S2 pseudogene 5	Other	other
8764	COQ10B	0.166	7.175	0.72501	0.99669	coenzyme Q10 homolog B (S. cerevisiae)	Cytoplasm	other
8765	NDUFB9	0.151	6.572	0.73084	0.99669	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 9, 22kDa	Cytoplasm	enzyme
8766	FOPNL	0.149	6.599	0.73107	0.99669	GFGR1OP N-terminal like	Cytoplasm	other
8767	SRI	0.144	7.279	0.72889	0.99669	sarcin	Cytoplasm	transporter
8768	SLC25A36	0.144	7.395	0.7242	0.99669	solute carrier family 25 (pyrimidine nucleotide carrier), member 36	Cytoplasm	transporter
8769	PTEN	0.139	7.125	0.72927	0.99669	phosphatase and tensin homolog	Cytoplasm	phosphatase
8770	DEK	0.125	7.853	0.72526	0.99669	DEK proto-oncogene	Nucleus	transcription regulator
8771	WHSC1L1	0.119	8.128	0.72865	0.99669	Wolf-Hirschhorn syndrome candidate 1-like 1	Nucleus	enzyme
8772	PRPF38A	0.117	8.091	0.72789	0.99669	pre-mRNA processing factor 38A	Nucleus	other
8773	MKRN1	0.115	7.995	0.72782	0.99669	makorin ring finger protein 1	Other	enzyme
8774	RPS4X	0.114	8.667	0.72583	0.99669	ribosomal protein S4, X-linked	Cytoplasm	other
8775	UBXN4	-0.111	8.942	0.73191	0.99669	UBX domain protein 4	Extracellular Space	other
8776	SCAF11	-0.111	9.381	0.72833	0.99669	SR-related CTD-associated factor 11	Nucleus	other
8777	PPP1R2	-0.129	7.765	0.72656	0.99669	protein phosphatase 1, regulatory (inhibitor) subunit 2	Cytoplasm	phosphatase
8778	CAPZB	-0.130	7.641	0.72994	0.99669	capping protein (actin filament) muscle Z-line, beta	Cytoplasm	other
8779	PPM1K	-0.131	7.664	0.72836	0.99669	protein phosphatase, Mg2+/Mn2+ dependent, 1k	Cytoplasm	phosphatase
8780	NSRP1	-0.146	6.778	0.73034	0.99669	nuclear specific splicing regulatory protein 1	Nucleus	other
8781	PSMD5	-0.157	6.671	0.73185	0.99669	prosome (prosome, macropain) 26S subunit, non-ATPase, 5	Other	other
8782	CHCHD7	-0.158	6.478	0.72961	0.99669	coiled-coil-helix-coiled-coil-helix domain containing 7	Cytoplasm	other
8783	ZC3H14	-0.175	6.941	0.72494	0.99669	zinc finger CCHC-type containing 14	Nucleus	other
8784	CTNBL1	-0.176	6.716	0.73212	0.99669	catenin, beta like 1	Nucleus	other
8785	NDUFB8	-0.188	5.882	0.72981	0.99669	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 8, 19kDa	Cytoplasm	enzyme
8786	POP5	-0.193	5.704	0.73056	0.99669	processing of precursor 5, ribonuclease P/MRP subunit (S. cerevisiae)	Nucleus	enzyme
8787	WDR37	-0.211	5.944	0.72709	0.99669	WD repeat domain 37	Other	other
8788	GTPBP2	-0.216	5.811	0.72468	0.99669	GTP binding protein 2	Extracellular Space	enzyme
8789	FAM110A	-0.217	5.464	0.73193	0.99669	family with sequence similarity 110, member A	Other	other
8790	MAST3	-0.230	5.445	0.72599	0.99669	microtubule associated serine/threonine kinase 3	Other	kinase
8791	TDRK1	-0.234	5.785	0.72653	0.99669	tudor and KH domain containing	Cytoplasm	other
8792	DDA1	-0.234	5.018	0.7321	0.99669	DETT and DOB1 associated 1	Other	other
8793	CTDP1	-0.236	5.242	0.72956	0.99669	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase, subunit 1	Nucleus	phosphatase
8794	DONSON	-0.241	5.200	0.72523	0.99669	downstream neighbor of SON	Extracellular Space	other
8795	PSMA2	-0.246	4.790	0.72543	0.99669	proteasome (prosome, macropain) subunit, alpha type, 2	Cytoplasm	peptidase
8796	SRP9P1	-0.249	4.706	0.73012	0.99669	signal recognition particle 9 pseudogene 1	Cytoplasm	other
8797	ZNF354B	-0.253	4.941	0.73017	0.99669	zinc finger protein 354B	Other	other
8798	ZNF260	-0.256	5.481	0.72477	0.99669	zinc finger protein 260	Nucleus	other
8799	IFFO1	-0.262	5.943	0.72935	0.99669	intermediate filament family orphan 1	Other	other
8800	NAP1L1P1	-0.268	4.478	0.72821	0.99669	nucleosome assembly protein 1-like 1 pseudogene 1	Other	other
8801	ACOT2	-0.296	4.699	0.73057	0.99669	acyl-CoA thioesterase 2	Cytoplasm	enzyme
8802	C1orf37	-0.300	4.822	0.72857	0.99669	ARRDC1 antisense RNA 1	Other	other
8803	DHR54	-0.315	3.893	0.7284	0.99669	dehydrogenase/reductase (SDR family) member 4	Cytoplasm	enzyme
8804	ARA3P	-0.319	4.328	0.73037	0.99669	ARFAP with RhoGAP domain, ankyrin repeat and PH domain 3	Cytoplasm	other
8805	RPS6KA2	-0.321	4.241	0.73054	0.99669	ribosomal protein S6 kinase, 90kDa, polypeptide 2	Nucleus	kinase
8806	PPAP2A	-0.332	3.438	0.7308	0.99669	phosphatidic acid phosphatase type 2A	Plasma Membrane	phosphatase
8807	PPP1R2P3	-0.357	3.273	0.7319	0.99669	protein phosphatase 1, regulatory (inhibitor) subunit 2 pseudogene 3	Other	other
8808	FDPSP8	-0.359	2.908	0.73185	0.99669	farnesyl diphosphate synthase pseudogene 8	Other	other
8809	MTX1	-0.361	3.344	0.72955	0.99669	metaxin 1	Cytoplasm	transporter
8810	AK1	-0.385	4.225	0.7266	0.99669	adenylate kinase 1	Cytoplasm	kinase
8811	ATRIP	-0.388	4.945	0.72492	0.99669	ATR interacting protein	Nucleus	kinase
8812	SBF2-AS1	-0.394	4.245	0.72558	0.99669	SBF2 antisense RNA 1	Other	other
8813	CLEC11A	-0.402	3.529	0.73105	0.99669	C-type lectin domain family 11, member A	Extracellular Space	growth factor
8814	CENPB01	-0.420	3.852	0.73169	0.99669	CENPB DNA-binding domains containing 1	Other	other
8815	GNRH1	-0.425	3.600	0.73076	0.99669	gonadotropin-releasing hormone 1 (luteinizing-releasing hormone)	Extracellular Space	other
8816	AHDC4	-0.426	2.913	0.7269	0.99669	AT hook, DNA binding motif, containing 1	Other	other
8817	IMP1	-0.436	4.265	0.73148	0.99669	lipase maturation factor 1	Cytoplasm	other
8818	ALG14	-0.436	3.206	0.72558	0.99669	ALG14, UDP-N-acetylglucosaminyltransferase subunit	Cytoplasm	enzyme
8819	SMTNL1	-0.439	3.121	0.73038	0.99669	smoothelin-like 1	Cytoplasm	other
8820	TRIM3	-0.441	3.967	0.72537	0.99669	tripartite motif containing 3	Cytoplasm	enzyme
8821	ELOVL4	-0.447	3.190	0.72723	0.99669	ELOVL fatty acid elongase 4	Plasma Membrane	enzyme
8822	LACC1	-0.454	4.270	0.72492	0.99669	laccase (multicopper oxidoreductase) domain containing 1	Other	other
8823	C21orf58	-0.517	2.565	0.72932	0.99669	chromosome 21 open reading frame 58	Other	other
8824	C16orf48	-0.533	3.071	0.72578	0.99669	enkurin domain containing 1	Cytoplasm	other
8825	NIPSNAP38	-0.643	2.223	0.73006	0.99669	nipsnap homolog 38 (C. elegans)	Other	other
8826	KIAA0825	-0.651	3.320	0.72798	0.99669	KIAA0825	Extracellular Space	enzyme
8827	B3GNT4	-0.662	2.402	0.72812	0.99669	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 4	Plasma Membrane	enzyme
8828	FTSL3	-0.722	2.186	0.72919	0.99669	folliculin-like 3 (secreted glycoprotein)	Extracellular Space	other
8829	C16orf45	-0.826	2.213	0.73127	0.99669	chromosome 16 open reading frame 45	Other	other
8830	SGTB	-0.886	4.587	0.73217	0.99675	small glutamine-rich tetratricopeptide repeat (TPR)-containing, beta	Other	other
8831	NSL1	-0.162	6.562	0.73257	0.997	NSL1, MIS12 kinetochore complex component	Nucleus	other
8832	SP3P	0.519	2.487	0.73267	0.99702	Sp3 transcription factor pseudogene	Other	other
8833	PABPC1P3	0.280	4.604	0.73278	0.99705	poly(A) binding protein, cytoplasmic 1 pseudogene 3	Other	other
8834	RPL35AP32	0.385	3.451	0.73294	0.99716	ribosomal protein L35a pseudogene 32	Other	other
8835	POLG2	0.219	5.334	0.73308	0.99724	polymerase (DNA directed), gamma 2, accessory subunit	Cytoplasm	enzyme
8836	TM2D2	-0.199	5.790	0.7332	0.9973	TM2 domain containing 2	Extracellular Space	other
8837	RPL24P2	-0.375	3.485	0.73341	0.99747	ribosomal protein L24 pseudogene 2	Other	other
8838	POLG	-0.154	6.545	0.73357	0.99757	polymerase (DNA directed), gamma	Cytoplasm	enzyme
8839	NDST2	0.629	2.433	0.7343				

8844	TRPV2	-0.191	6.695	0.73414	0.99767	transient receptor potential cation channel, subfamily V, member 2	Plasma Membrane	ion channel
8845	WDR47	-0.298	5.791	0.73425	0.99767	WD repeat domain 47	Other	other
8846	CEP41	-0.335	4.352	0.73418	0.99767	centrosomal protein 41kDa	Cytoplasm	other
8847	C18orf21	-0.312	4.417	0.73439	0.99767	chromosome 18 open reading frame 21	Other	other
8848	HNRNPA2B	-0.106	9.974	0.73475	0.99799	heterogeneous nuclear ribonucleoprotein A2/B1	Nucleus	other
8849	NAMPTL	-0.210	6.352	0.73471	0.99799	nicotinamide phosphoribosyltransferase pseudogene 1	Other	other
8850	ACCS	-0.364	4.056	0.73481	0.99799	1-aminocyclopropane-1-carboxylate synthase homolog [Arabidopsis](non-functional)	Other	enzyme
8851	JSOD2	-0.324	3.725	0.7351	0.99807	Josephin domain containing 2	Other	enzyme
8852	CCDC61	-0.432	3.778	0.73506	0.99807	coiled-coil domain containing 61	Cytoplasm	other
8853	MYH3	0.421	3.791	0.73527	0.99808	myosin, heavy chain 3, skeletal muscle, embryonic	Cytoplasm	enzyme
8854	TRMT10B	-0.211	5.588	0.73528	0.99808	tRNA methyltransferase 10 homolog B (S. cerevisiae)	Other	other
8855	CBWD1	-0.342	4.210	0.73563	0.99845	COBW domain containing 1	Other	other
8856	SLC9A3R2	0.463	2.555	0.73627	0.9986	solute carrier family 9, subfamily A (NHE3, cation proton antiporter 3), member 3 regulator 2	Plasma Membrane	transporter
8857	METTL7A	0.358	3.590	0.73657	0.9986	methyltransferase like 7A	Cytoplasm	other
8858	OPA3	0.211	5.716	0.73655	0.9986	optic atrophy 3 (autosomal recessive, with chorea and spastic paraplegia)	Cytoplasm	other
8859	MT-ND2	0.113	8.954	0.73646	0.9986	MTND2	Cytoplasm	enzyme
8860	UBE2J2	-0.165	6.388	0.73622	0.9986	ubiquitin-conjugating enzyme E2, J2	Cytoplasm	enzyme
8861	ATP13A2	-0.174	6.156	0.7364	0.9986	ATPase type 13A2	Cytoplasm	transporter
8862	SSSCA1	-0.205	5.358	0.73646	0.9986	Sjogren syndrome/scleroderma autoantigen 1	Other	other
8863	UQCRCP1	-0.277	4.331	0.73604	0.9986	ubiquinol-cytochrome c reductase binding protein pseudogene 1	Other	other
8864	TMEM164	-0.306	4.283	0.73592	0.9986	transmembrane protein 164	Other	other
8865	EML5	-0.372	3.920	0.73615	0.9986	echinoderm microtubule associated protein like 5	Cytoplasm	other
8866	PURB	0.262	6.237	0.73666	0.9986	purine-rich element binding protein 8	Nucleus	transcription regulator
8867	NGFRAP1	0.329	4.400	0.73758	0.99872	nerve growth factor receptor (TNFRSF16) associated protein 1	Cytoplasm	other
8868	NOD1	0.304	4.560	0.7374	0.99872	nucleotide-binding oligomerization domain containing 1	Cytoplasm	other
8869	SWT1	0.262	5.490	0.73761	0.99872	SWT1 RNA endonuclease homolog (S. cerevisiae)	Extracellular Space	other
8870	PRPF4B	0.115	8.052	0.73735	0.99872	pre-mRNA processing factor 4B	Nucleus	kinase
8871	EMC4	-0.131	7.394	0.73764	0.99872	ER membrane protein complex subunit 4	Other	other
8872	METTL17	-0.147	7.077	0.73734	0.99872	methyltransferase like 17	Nucleus	other
8873	DRG1	-0.149	6.765	0.73751	0.99872	developmentally regulated GTP binding protein 1	Cytoplasm	other
8874	CD2AP	-0.169	6.169	0.73712	0.99872	CD2-associated protein	Cytoplasm	other
8875	AASDH	-0.219	5.858	0.73774	0.99872	aminoadipate-semialdehyde dehydrogenase	Other	enzyme
8876	POL	-0.240	5.944	0.73772	0.99872	polymerase (DNA directed), lambda	Nucleus	enzyme
8877	C16orf91	-0.317	4.741	0.73737	0.99872	chromosome 16 open reading frame 91	Other	other
8878	CYBD1	-0.364	4.803	0.73694	0.99872	cytochrome b reductase 1	Cytoplasm	enzyme
8879	CARD8	0.121	7.595	0.73788	0.9988	caspase recruitment domain family, member 8	Nucleus	other
8880	FAM108A3	0.455	2.598	0.73826	0.99883	abhydrolase domain containing 17A pseudogene 1	Other	other
8881	UCHL3	0.369	3.470	0.73849	0.99883	ubiquitin carboxyl-terminal esterase L3 (ubiquitin thioesterase)	Cytoplasm	peptidase
8882	EXOQ	0.222	5.225	0.73838	0.99883	endo/exonuclease (5'-3'), endonuclease G-like	Cytoplasm	enzyme
8883	ZNF568	-0.187	6.321	0.73822	0.99883	zinc finger protein 568	Other	other
8884	ANAPC1	-0.313	4.364	0.7382	0.99883	anaphase promoting complex subunit 1	Nucleus	other
8885	BEX5	-0.353	3.656	0.73843	0.99883	brain expressed, X-linked 5	Cytoplasm	other
8886	TPM1	-0.383	3.488	0.73835	0.99883	tropomyosin 1 (alpha)	Cytoplasm	other
8887	FAM190A	0.557	3.147	0.73889	0.99888	coiled-coil serine-rich protein 1	Other	other
8888	MON1A	0.431	4.573	0.73952	0.99888	MON1 secretory trafficking family member A	Other	other
8889	JAM3	0.375	3.835	0.73926	0.99888	junctional adhesion molecule 3	Plasma Membrane	other
8890	MTND2P28	0.230	4.935	0.73913	0.99888	MT-ND2 pseudogene 28	Other	other
8891	ZNF605	0.208	5.916	0.73923	0.99888	zinc finger protein 605	Extracellular Space	other
8892	ACTN4	0.199	6.001	0.73901	0.99888	actinin, alpha 4	Cytoplasm	transcription regulator
8893	OTUB1	-0.111	8.114	0.73881	0.99888	OTU deubiquitinase, ubiquitin aldehyde binding 1	Cytoplasm	enzyme
8894	MSL3	-0.147	7.037	0.73939	0.99888	male-specific lethal 3 homolog (Drosophila)	Nucleus	transcription regulator
8895	UNKL	-0.252	4.711	0.7391	0.99888	unkempt family zinc finger-like	Other	other
8896	BRF2	-0.383	4.071	0.73932	0.99888	BRF2, RNA polymerase III transcription initiation factor 50 kDa subunit	Nucleus	transcription regulator
8897	ATF4P3	-0.427	2.957	0.73944	0.99888	activating transcription factor 4 pseudogene 3	Other	other
8898	GOT2P2	-0.535	2.588	0.73936	0.99888	glutamic-oxaloacetic transaminase 2 pseudogene 2	Other	other
8899	SPR1D1	0.474	2.426	0.73967	0.99888	spouty-related, EVH1 domain containing 1	Plasma Membrane	other
8900	ZRANB2-AS	-0.706	2.071	0.73969	0.99888	ZRANB2 antisense RNA 1	Other	other
8901	DNAI2	-0.121	7.412	0.73987	0.99902	Dnal (Hsp40) homolog, subfamily A, member 2	Nucleus	enzyme
8902	RING1	0.257	4.806	0.74012	0.99921	ring finger protein 1	Nucleus	transcription regulator
8903	HYOU1	-0.255	5.408	0.74018	0.99921	hypoxia up-regulated 1	Cytoplasm	other
8904	C7orf29	-0.530	3.410	0.74027	0.99921	ZBED6 C-terminal like	Other	other
8905	HIATL2	0.356	4.271	0.74045	0.99922	hippocampus abundant transcript-like 2	Other	other
8906	POLB	0.210	5.494	0.74091	0.99922	polymerase (DNA directed), beta	Nucleus	enzyme
8907	RBM4	0.184	6.132	0.74055	0.99922	RNA binding motif protein 4	Nucleus	other
8908	LMO4	0.182	5.901	0.74133	0.99922	LIM domain only 4	Nucleus	transcription regulator
8909	THAP6	0.158	6.339	0.74076	0.99922	THAP domain containing 6	Other	other
8910	VP51A3	0.126	7.167	0.74077	0.99922	vacuolar protein sorting 13 homolog A (S. cerevisiae)	Cytoplasm	transporter
8911	RPLP0P6	0.116	7.838	0.74127	0.99922	ribosomal protein, large, P0 pseudogene 6	Cytoplasm	other
8912	CNBP	0.108	9.226	0.74087	0.99922	COH-type zinc finger, nucleic acid binding protein	Nucleus	transcription regulator
8913	CNOPH1	-0.164	6.547	0.74128	0.99922	endocytic phosphatase 1	Cytoplasm	enzyme
8914	STM2	-0.188	6.315	0.74087	0.99922	stromal interaction molecule 2	Plasma Membrane	transporter
8915	ZSCAN29	-0.294	5.198	0.74044	0.99922	zinc finger and SCAN domain containing 29	Nucleus	other
8916	APP	-0.468	3.369	0.74124	0.99922	amyloid beta (A4) precursor protein	Plasma Membrane	other
8917	GEM	-0.642	2.714	0.74135	0.99922	GTP binding protein overexpressed in skeletal muscle	Plasma Membrane	enzyme
8918	VP541	-0.176	6.467	0.74159	0.99942	vacuolar protein sorting 41 homolog (S. cerevisiae)	Cytoplasm	transporter
8919	TRMT6	-0.222	6.033	0.74166	0.99942	tRNA methyltransferase 6	Other	other
8920	GPR157	0.703	2.164	0.74344	0.99946	G protein-coupled receptor 157	Plasma Membrane	G-protein coupled receptor
8921	TRO	0.632	4.236	0.74303	0.99946	throphinin	Plasma Membrane	other
8922	ERIZ	0.556	2.633	0.74243	0.99946	ER1 exonuclease family member 2	Other	other
8923	NEK8	0.487	3.409	0.74225	0.99946	NIMA-related kinase 8	Nucleus	kinase
8924	CAC1IN	0.328	3.917	0.74364	0.99946	catrin, spliceosome C complex subunit	Nucleus	other
8925	SRF72P1	0.326	3.728	0.7421	0.99946	signal recognition particle 72kDa pseudogene 1	Other	other
8926	C20orf94	0.253	4.937	0.74322	0.99946	SLK4 interacting protein	Other	other
8927	WIBG	0.189	5.757	0.74183	0.99946	within bgcn homolog (Drosophila)	Nucleus	other
8928	MED16	0.166	6.921	0.74378	0.99946	mediator complex subunit 16	Nucleus	transcription regulator
8929	GALC	0.154	6.395	0.74319	0.99946	galactosylceramidase	Cytoplasm	enzyme
8930	ZNF76	0.146	6.596	0.74278	0.99946	zinc finger protein 76	Nucleus	other
8931	UCHL5	0.136	6.741	0.7439	0.99946	ubiquitin carboxyl-terminal hydrolase L5	Nucleus	peptidase
8932	RBMS1	0.130	7.358	0.7438	0.99946	RNA binding motif, single stranded interacting protein 1	Nucleus	other
8933	RPL11	0.112	8.350	0.74213	0.99946	ribosomal protein L11	Cytoplasm	other
8934	PRPF8	-0.107	8.738	0.74307	0.99946	pre-mRNA processing factor 8	Nucleus	other
8935	CERS2	-0.159	6.841	0.74383	0.99946	ceramide synthase 2	Nucleus	transcription regulator
8936	LACTB	-0.159	6.269	0.74281	0.99946	lactase, beta	Cytoplasm	other
8937	C6orf106	-0.170	6.488	0.74238	0.99946	chromosome 6 open reading frame 106	Other	other
8938	TNKG2	-0.191	5.655	0.74311	0.99946	tyrosine kinase, non-receptor, 2	Cytoplasm	kinase
8939	MMAB	-0.235	5.135	0.74232	0.99946	methylmalonic aciduria (cobalamin deficiency) cblB type	Cytoplasm	enzyme
8940	GTF3C1	-0.238	5.298	0.74341	0.99946	general transcription factor IIIC, polypeptide 1, alpha 220kDa	Nucleus	transcription regulator
8941	CKAP2	-0.244	6.378	0.74378	0.99946	cytoskeleton associated protein 2	Cytoplasm	other
8942	RAB39B	-0.245	4.995	0.74273	0.99946	RAB39B, member RAS oncogene family	Plasma Membrane	enzyme
8943	F2R	-0.268	6.021	0.74261	0.99946	coagulation factor II (thrombin) receptor	Plasma Membrane	G-protein coupled receptor
8944	RBMPX2	-0.286	4.020	0.74217	0.99946	RNA binding motif protein, X-linked pseudogene 2	Other	other
8945	POLD4	-0.306	4.395	0.74394	0.99946	polymerase (DNA-directed), delta 4, accessory subunit	Nucleus	enzyme
8946	CLN3	-0.319	3.700	0.74335	0.99946	ceroid-lipofuscinosis, neuronal 3	Cytoplasm	other
8947	SNRPB1	0.529	2.185	0.74431	0.99949	small nuclear ribonucleoprotein polypeptides B and B1 pseudogene 1	Other	other
8948	MAP2K7	0.293	4.640	0.74422	0.99949	mitogen-activated protein kinase kinase 7	Cytoplasm	kinase
8949	PET100	0.286	3.810	0.74438	0.99949	PET100 homolog (S. cerevisiae)	Other	other
8950	SLC39A7	0.208	6.341	0.74422	0.99949	solute carrier family 39 (zinc transporter), member 7	Plasma Membrane	transporter
8951	E4F1	0.194	5.954	0.74406	0.99949	E4F transcription factor 1	Nucleus	transcription regulator
8952	ATF5	0.464	2.901	0.74447	0.99949	activating transcription factor 5	Nucleus	transcription regulator
8953	CUX1	0.139	6.822	0.7448	0.99949	cut-like homeobox 1	Nucleus	transcription regulator
8954	BLOC156	-0.152	6.752	0.74472	0.99949	biogenesis of lysosomal organelles complex-1, subunit 6, pallidin	Cytoplasm	other
8955	NCK2	-0.181	6.479	0.74475	0.99949	NCK adaptor protein 2	Cytoplasm	kinase
8956	SBF1P1	-0.628	2.174	0.74466	0.99949	SET binding factor 1 pseudogene 1	Other	other
8957	NID1	0.715	2.845	0.76176	0.99956	nidogen 1	Extracellular Space	other
8958	SNRPGP4	0.713	2.161	0.76145	0.99956	small nuclear ribonucleoprotein polypeptide G pseudogene 4	Other	other
8959	PARPBP	0.710	2.423	0.74645	0.99956	PARP1 binding protein	Nucleus	other
8960	LCAS	0.707	2.552	0.74717	0.99956	Leber congenital amaurosis 5	Extracellular Space	other
8961	WBXP5	0.669	2.336	0.75456	0.99956	WW domain binding protein 5	Other	other
8962	CCDC24	0.605	2.779	0.76192	0.99956	coiled-coil domain containing 24	Other	other
8963	DNA2	0.571	3.179	0.7616	0.99956	DNA replication helicase/nuclease 2	Cytoplasm	enzyme
8964	TMEM180	0.566	2.767	0.75079	0.99956	transmembrane protein 180	Other	other
8965	CD274	0.551	3.506	0.77462	0.99956	CD274 molecule	Plasma Membrane	enzyme
8966	LRRC1	0.542	2.600	0.75114	0.99956	leucine rich repeat and coiled-coil centrosomal protein 1	Nucleus	transporter
8967	TRAJ49	0.537	2.067	0.74555	0.99956	T cell receptor alpha joining 49	Other	other
8968	ARG1	0.521	2.569	0.76674	0.99956	arginase 1	Cytoplasm	enzyme
8969	CACNB3	0.520	2.890	0.76001	0.99956	calcium channel, voltage-dependent, beta 3 subunit	Plasma Membrane	ion channel
8970	RAD54B	0.514	2.524	0.75019	0.99956	RAD54 homolog B (S. cerevisiae)	Nucleus	enzyme
8971	NECAB1	0.512	2.954	0.76669	0.99956	N-terminal EF-hand calcium binding protein 1	Cytoplasm	other
8972	FMR1-IT1	0.502	2.156	0.76705	0.99956			
8973	ACACB	0.492	3.996	0.76931	0.99956	acetyl-CoA carboxylase beta	Cytoplasm	enzyme
8974	ZNF660	0.491	3.879					

8976	SLC19A1	0.488	2.863	0.75277	0.99956	solute carrier family 19 (folate transporter), member 1	Plasma Membrane	transporter
8977	DFNB31	0.475	3.911	0.76604	0.99956	deafness, autosomal recessive 31	Plasma Membrane	other
8978	RPS15AP24	0.473	2.662	0.74702	0.99956	ribosomal protein S15a pseudogene 24	Other	other
8979	SIRT4	0.473	3.046	0.75324	0.99956	sirtuin 4	Cytoplasm	enzyme
8980	MORN1	0.470	3.101	0.76195	0.99956	MORN repeat containing 1	Other	other
8981	GRICH2	0.470	3.720	0.76109	0.99956	glutamine rich 2	Extracellular Space	other
8982	SLC3A1	0.467	3.409	0.75601	0.99956	solute carrier family 3 (amino acid transporter heavy chain), member 1	Plasma Membrane	transporter
8983	SEMA4C	0.467	3.126	0.75181	0.99956	semaphorin domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4C	Plasma Membrane	other
8984	RNF121	0.465	3.475	0.74637	0.99956	ring finger protein 121	Other	other
8985	BMS1P4	0.453	2.913	0.76722	0.99956	BMS1 ribosome biogenesis factor pseudogene 4	Other	other
8986	CBX3P5	0.439	2.172	0.74599	0.99956	chromobox homolog 3 pseudogene 5	Other	other
8987	APOM	0.428	2.180	0.7751	0.99956	apolipoprotein M	Plasma Membrane	transporter
8988	CALM2P1	0.425	2.281	0.7631	0.99956	calmodulin 2 pseudogene 1	Other	other
8989	SNAPC1	0.417	3.249	0.74746	0.99956	small nuclear RNA activating complex, polypeptide 1, 43kDa	Nucleus	other
8990	TET2-AS1	0.414	2.504	0.74842	0.99956		Other	other
8991	IGBP1P3	0.405	2.676	0.76068	0.99956	immunoglobulin (CD79A) binding protein 1 pseudogene 3	Other	other
8992	BTFLAP2	0.395	3.327	0.7541	0.99956	basic transcription factor 3-like 4 pseudogene 2	Other	other
8993	CDK5	0.393	3.902	0.75661	0.99956	cyclin-dependent kinase 5	Nucleus	kinase
8994	AEBP1	0.383	4.266	0.76478	0.99956	AE binding protein 1	Nucleus	peptidase
8995	PNNM3	0.381	3.916	0.75925	0.99956	paraneoplastic Mo onigen 3	Extracellular Space	other
8996	DAK	0.372	4.129	0.76851	0.99956	trikinase/RMN cyclase	Cytoplasm	kinase
8997	REM2	0.365	3.227	0.77013	0.99956	RAS (RAD and GEM)-like GTP binding 2	Plasma Membrane	enzyme
8998	MATN2	0.361	2.730	0.77395	0.99956	matrilin 2	Extracellular Space	other
8999	ZNF702P	0.356	3.443	0.75385	0.99956	zinc finger protein 702, pseudogene	Nucleus	other
9000	BRMS1L	0.350	4.061	0.75575	0.99956	breast cancer metastasis-suppressor 1-like	Other	other
9001	CDKL1	0.348	3.685	0.76249	0.99956	cyclin-dependent kinase-like 1 (CDC2-related kinase)	Nucleus	kinase
9002	CDC138	0.343	3.928	0.75523	0.99956	coiled-coil domain containing 138	Other	other
9003	NMRAL1	0.335	4.149	0.76034	0.99956	NmrA-like family domain containing 1	Nucleus	other
9004	NBPF3	0.335	4.077	0.76084	0.99956	neuroblastoma breakpoint family, member 3	Other	other
9005	SEPHS1P4	0.330	3.330	0.74609	0.99956	selenophosphate synthetase 1 pseudogene 4	Other	other
9006	RAB40C	0.323	4.490	0.76091	0.99956	RAB40C, member RAS oncogene family	Plasma Membrane	enzyme
9007	SLC25ASP1	0.322	3.408	0.77803	0.99956	solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 5 pseudogene 1	Other	other
9008	ZNF283	0.317	3.804	0.75475	0.99956	zinc finger protein 283	Nucleus	other
9009	PANK1	0.315	4.436	0.76131	0.99956	pantothenin 1	Plasma Membrane	transporter
9010	SLC25ASP2	0.315	3.447	0.77196	0.99956	solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 5 pseudogene 2	Other	other
9011	ZNF764	0.309	4.060	0.76272	0.99956	zinc finger protein 764	Other	other
9012	ZFP30	0.308	4.497	0.75744	0.99956	ZFP30 zinc finger protein	Extracellular Space	other
9013	PDIA5	0.307	3.994	0.74922	0.99956	protein disulfide isomerase family A, member 5	Cytoplasm	enzyme
9014	PRRC2A	0.303	3.687	0.76682	0.99956	proline-rich coiled-coil 2A	Cytoplasm	other
9015	HCS1	0.302	3.503	0.77397	0.99956	hematopoietic cell signal transducer	Plasma Membrane	transmembrane receptor
9016	BRCA2	0.301	4.674	0.75001	0.99956	breast cancer 2, early onset	Nucleus	transcription regulator
9017	SLC25A12	0.299	5.127	0.7553	0.99956	solute carrier family 25 (aspartate/glutamate carrier), member 12	Cytoplasm	transporter
9018	RPL31P2	0.296	4.155	0.76725	0.99956	ribosomal protein L31 pseudogene 2	Other	other
9019	ZFN1	0.295	4.620	0.75786	0.99956	h2y2/cell division cycle 20 related 1 (Drosophila)	Nucleus	kinase
9020	TFDP2	0.294	3.691	0.76446	0.99956	transcription factor Dp-2 (E2F dimerization partner 2)	Nucleus	transcription regulator
9021	ICK	0.292	4.521	0.76435	0.99956	intestinal cell (MAK-like) kinase	Cytoplasm	kinase
9022	ZNF793	0.285	4.177	0.75926	0.99956	zinc finger protein 793	Other	other
9023	CD5	0.282	5.336	0.75221	0.99956	CD5 molecule	Plasma Membrane	transmembrane receptor
9024	DNAJC25	0.278	4.847	0.76444	0.99956	DnaJ (Hsp40) homolog, subfamily C, member 25	Other	other
9025	TMEM175	0.277	5.118	0.76491	0.99956	transmembrane protein 175	Cytoplasm	other
9026	SLC25AP2	0.275	3.911	0.76042	0.99956	solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 6 pseudogene 2	Other	other
9027	CSAD	0.270	4.617	0.74886	0.99956	cysteine sulfinic acid decarboxylase	Cytoplasm	enzyme
9028	DIABLO	0.266	4.240	0.7696	0.99956	diablo, IAP-binding mitochondrial protein	Cytoplasm	other
9029	UCK2	0.254	5.027	0.76158	0.99956	uridine-cytidine kinase 2	Cytoplasm	kinase
9030	ZCCHC2	0.250	5.708	0.75413	0.99956	zinc finger, CCHC domain containing 2	Cytoplasm	other
9031	DGK2	0.247	4.375	0.76551	0.99956	diacylglycerol kinase, zeta	Cytoplasm	kinase
9032	ZNF138	0.246	5.542	0.74959	0.99956	zinc finger protein 138	Nucleus	transcription regulator
9033	OCLE1	0.246	4.685	0.7586	0.99956	occludin/ELL domain containing 1	Other	other
9034	ABCC10	0.245	5.475	0.75269	0.99956	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Plasma Membrane	transporter
9035	XCOR157	0.245	4.350	0.75843	0.99956	chromosome X open reading frame 57	Other	other
9036	ABHD12	0.241	4.511	0.77193	0.99956	abhydrolase domain containing 12	Other	enzyme
9037	PRKD2	0.237	5.863	0.74958	0.99956	protein kinase D2	Cytoplasm	kinase
9038	ZRANB1	0.237	5.254	0.74949	0.99956	zinc finger, RAN-binding domain containing 1	Nucleus	peptidase
9039	AIFM1	0.232	5.499	0.76963	0.99956	apoptosis-inducing factor, mitochondrion-associated, 1	Cytoplasm	enzyme
9040	BIN2P1	0.232	4.742	0.76864	0.99956	bridging integrator 2 pseudogene 1	Other	other
9041	ITM2C	0.231	5.691	0.75334	0.99956	integral membrane protein 2C	Cytoplasm	other
9042	DNAJC18	0.229	5.030	0.77154	0.99956	DnaJ (Hsp40) homolog, subfamily C, member 18	Other	enzyme
9043	HLTF	0.226	5.879	0.7619	0.99956	helicase-like transcription factor	Nucleus	transcription regulator
9044	KAL1L43	0.225	4.555	0.77179	0.99956	KAL1L43	Other	other
9045	NCLN	0.222	5.405	0.76182	0.99956	ncalrin	Cytoplasm	peptidase
9046	SHC1	0.222	5.110	0.76495	0.99956	SHC (Src homology 2 domain containing) transforming protein 1	Cytoplasm	kinase
9047	KIT	0.219	7.288	0.76031	0.99956	y-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog	Plasma Membrane	transmembrane receptor
9048	CARHSP1	0.218	4.810	0.77499	0.99956	calcium regulated heat stable protein 1, 24kDa	Cytoplasm	other
9049	CASK	0.215	5.764	0.77024	0.99956	calcium/calmodulin-dependent serine protein kinase (MAGUK family)	Plasma Membrane	kinase
9050	CDR2	0.214	5.834	0.7473	0.99956	cerebellar degeneration-related protein 2, 62kDa	Cytoplasm	other
9051	GCFC2	0.209	5.194	0.75502	0.99956	GC-rich sequence DNA-binding factor 2	Nucleus	transcription regulator
9052	USP37	0.208	5.694	0.74665	0.99956	ubiquitin specific peptidase 37	Nucleus	peptidase
9053	TTC28-AS1	0.205	5.281	0.76698	0.99956	TTC28 antisense RNA 1	Other	other
9054	EAF1	0.203	5.445	0.77471	0.99956	ELL associated factor 1	Nucleus	transcription regulator
9055	ETFB	0.203	5.265	0.7655	0.99956	electron-transfer-flavoprotein, beta polypeptide	Cytoplasm	transporter
9056	ANKHD1	0.198	5.293	0.76759	0.99956	ankyrin repeat and KH domain containing 1	Other	other
9057	UTP3	0.195	5.502	0.76961	0.99956	UTP3, small subunit (SSU) processome component, homolog (S. cerevisiae)	Nucleus	other
9058	RNF5	0.195	5.338	0.77448	0.99956	ring finger protein 5, E3 ubiquitin protein ligase	Cytoplasm	enzyme
9059	INPP5B	0.195	5.372	0.77471	0.99956	inositol polyphosphate-5-phosphatase, 75kDa	Plasma Membrane	phosphatase
9060	VPS54	0.193	6.259	0.76404	0.99956	vacuolar protein sorting 54 homolog (S. cerevisiae)	Extracellular Space	other
9061	PNO1	0.192	5.667	0.76285	0.99956	partner of NOB1 homolog (S. cerevisiae)	Nucleus	other
9062	WDR74	0.191	6.128	0.75025	0.99956	WD repeat domain 74	Nucleus	other
9063	PCYOX1	0.189	5.833	0.74649	0.99956	prenylcysteine oxidase 1	Cytoplasm	enzyme
9064	NIT2	0.186	6.098	0.75607	0.99956	nitrilase family, member 2	Cytoplasm	enzyme
9065	EEA1	0.186	5.712	0.75502	0.99956	early endosome antigen 1	Cytoplasm	other
9066	TPT1-AS1	0.185	5.703	0.75698	0.99956	TPT1 antisense RNA 1	Other	other
9067	NITS2	0.184	5.799	0.75769	0.99956	5'-nucleotidase, cytosolic II	Cytoplasm	phosphatase
9068	DDX54	0.184	5.448	0.77029	0.99956	DEAD (Asp-Glu-Ala-His) box polypeptide 54	Nucleus	transcription regulator
9069	DNAJC11	0.182	5.714	0.7742	0.99956	DnaJ (Hsp40) homolog, subfamily C, member 11	Cytoplasm	other
9070	MCEE	0.181	5.939	0.749	0.99956	methylmalonyl CoA epimerase	Cytoplasm	enzyme
9071	ZNF775	0.180	5.861	0.75109	0.99956	zinc finger protein 775	Other	other
9072	FBXO28	0.180	6.079	0.75213	0.99956	F-box protein 28	Other	other
9073	GABPB2	0.179	5.920	0.77148	0.99956	GA binding protein transcription factor, beta subunit 2	Nucleus	transcription regulator
9074	SDF2L1	0.177	6.620	0.75509	0.99956	stromal cell-derived factor 2-like 1	Cytoplasm	other
9075	ETHE1	0.177	5.857	0.76222	0.99956	ethylmalonic encephalopathy 1	Cytoplasm	enzyme
9076	LARP1B	0.174	5.939	0.77123	0.99956	La ribonucleoprotein domain family, member 1B	Extracellular Space	other
9077	INTS12	0.173	5.681	0.76786	0.99956	integrator complex subunit 12	Nucleus	other
9078	FBXL20	0.171	6.418	0.76402	0.99956	F-box and leucine-rich repeat protein 20	Cytoplasm	other
9079	YARS2	0.168	5.666	0.77106	0.99956	tyrosyl-tRNA synthetase 2, mitochondrial	Cytoplasm	enzyme
9080	ZNF10	0.167	5.895	0.76647	0.99956	zinc finger protein 10	Cytoplasm	other
9081	CROCCP2	0.166	6.194	0.76116	0.99956	ciliary rootlet coiled-coil, rosetlin pseudogene 2	Other	other
9082	TCF7	0.165	7.663	0.74654	0.99956	transcription factor 7 (T-cell specific, HMG-box)	Nucleus	transcription regulator
9083	LTV1	0.164	5.840	0.76952	0.99956	LTV1 ribosome biogenesis factor	Other	other
9084	AKAP11	0.164	6.206	0.76941	0.99956	A kinase (PKA) anchor protein 11	Cytoplasm	other
9085	TRAPP8	0.163	6.681	0.74541	0.99956	trafficking protein particle complex 8	Cytoplasm	transporter
9086	ZNF641	0.160	6.109	0.77402	0.99956	zinc finger protein 641	Other	other
9087	PRAF2	0.159	5.894	0.76516	0.99956	PRA1 domain family, member 2	Other	other
9088	BZW2	0.154	6.338	0.75222	0.99956	basic leucine zipper and W2 domains 2	Cytoplasm	translation regulator
9089	EIF4E2	0.152	6.721	0.74947	0.99956	eukaryotic translation initiation factor 4E family member 2	Cytoplasm	translation regulator
9090	KIAA1967	0.150	6.681	0.74838	0.99956	cell cycle and apoptosis regulator 2	Cytoplasm	peptidase
9091	SPCS2	0.147	6.194	0.77382	0.99956	signal peptidase complex subunit 2 homolog (S. cerevisiae)	Cytoplasm	other
9092	NDUFAS	0.146	6.704	0.74563	0.99956	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5	Cytoplasm	enzyme
9093	FBXW7	0.146	7.081	0.75336	0.99956	F-box and WD repeat domain containing 7, E3 ubiquitin protein ligase	Nucleus	transcription regulator
9094	DCXR	0.144	6.599	0.75323	0.99956	dicarboxyl-L-xylose reductase	Cytoplasm	enzyme
9095	MYNN	0.143	6.499	0.75671	0.99956	myosin VII	Nucleus	transcription regulator
9096	ZNF700	0.143	6.147	0.77137	0.99956	zinc finger protein 700	Extracellular Space	other
9097	ELP5	0.143	7.019	0.76265	0.99956	elongator acetyltransferase complex subunit 5	Other	other
9098	SSR3	0.141	7.761	0.75957	0.99956	signal sequence receptor, gamma (translocase-associated protein gamma)	Cytoplasm	other
9099	RWDD1	0.140	6.482	0.75939	0.99956	RWD domain containing 1	Other	other
9100	ZNF512	0.140	6.746	0.75971	0.99956	zinc finger protein 512	Nucleus	other
9101	VDAC2	0.140	6.303	0.774	0.99956	voltage-dependent anion channel 2	Cytoplasm	ion channel
9102	MAP4K5	0.138	6.721	0.75345	0.99956	mitogen-activated protein kinase kinase kinase 5	Cytoplasm	kinase
9103	CHCHD3	0.137	6.861	0.74885	0.99956	coiled-coil-helix-coiled-coil-helix domain containing 3	Cytoplasm	other
9104	DHX30	0.136	6.792	0				

9108	UBE2D3P1	0.131	6.412	0.77009	0.99956	ubiquitin-conjugating enzyme E2D 3 pseudogene 1	Other	other
9109	ZBTB44	0.131	7.366	0.77052	0.99956	zinc finger and BTB domain containing 44	Other	other
9110	ASB8	0.130	7.090	0.76427	0.99956	ankyrin repeat and SOCS box containing 8	Nucleus	transcription regulator
9111	ARL14EP	0.123	6.883	0.76869	0.99956	ADP-ribosylation factor-like 14 effector protein	Other	other
9112	EMP3	0.122	7.843	0.74523	0.99956	epithelial membrane protein 3	Plasma Membrane	other
9113	SPEN	0.122	8.062	0.76033	0.99956	spen family transcriptional repressor	Nucleus	transcription regulator
9114	THUMPD1	0.122	7.837	0.74706	0.99956	THUMP domain containing 1	Other	other
9115	SRSF1	0.116	7.114	0.76479	0.99956	serine/arginine-rich splicing factor 1	Nucleus	other
9116	THOC1	0.115	7.174	0.77214	0.99956	THO complex 1	Nucleus	transcription regulator
9117	IFI16	0.115	8.224	0.75632	0.99956	interferon, gamma-inducible protein 16	Nucleus	transcription regulator
9118	USP4	0.112	8.161	0.76952	0.99956	ubiquitin specific peptidase 4 (proto-oncogene)	Nucleus	peptidase
9119	ARF1	0.111	9.328	0.74558	0.99956	ADP-ribosylation factor 1	Cytoplasm	enzyme
9120	AIP	0.111	7.311	0.77304	0.99956	aryl hydrocarbon receptor interacting protein	Nucleus	transcription regulator
9121	AP3D1	0.110	7.558	0.76984	0.99956	adaptor-related protein complex 3, delta 1 subunit	Cytoplasm	transporter
9122	ZFAND6	0.109	7.339	0.76847	0.99956	zinc finger, AN1-type domain 6	Other	other
9123	RPS9	0.108	7.741	0.75003	0.99956	ribosomal protein S9	Cytoplasm	translation regulator
9124	NOP58	0.108	8.044	0.7516	0.99956	NOP58 ribonucleoprotein	Nucleus	enzyme
9125	ELOVL5	0.106	8.464	0.76479	0.99956	ELOVL fatty acid elongase 5	Cytoplasm	enzyme
9126	N4BP2L2	0.102	9.494	0.75154	0.99956	NEDD4 binding protein 2-like 2	Nucleus	other
9127	ARID4B	0.099	8.901	0.75472	0.99956	AT rich interactive domain 4B (RBP2-like)	Nucleus	other
9128	CYBA	0.099	7.725	0.77509	0.99956	cytochrome b-245, alpha polypeptide	Cytoplasm	enzyme
9129	TPR	0.097	9.586	0.76661	0.99956	translocated promoter region, nuclear basket protein	Nucleus	transporter
9130	UBE2D3	0.093	9.144	0.76939	0.99956	ubiquitin-conjugating enzyme E2D 3	Cytoplasm	enzyme
9131	GPBP1	-0.095	8.693	0.77459	0.99956	GC-rich promoter binding protein 1	Nucleus	transcription regulator
9132	GTF3A	-0.097	8.082	0.76992	0.99956	general transcription factor IIIA	Nucleus	transcription regulator
9133	CALM2	-0.098	8.529	0.7699	0.99956	calmodulin 1 (phosphorylase kinase, delta)	Cytoplasm	other
9134	CHD4	-0.102	8.127	0.76179	0.99956	chromodomain helicase DNA binding protein 4	Nucleus	enzyme
9135	SDHA	-0.106	7.521	0.77474	0.99956	succinate dehydrogenase complex, subunit A, flavoprotein (Fp)	Cytoplasm	enzyme
9136	LSM14A	-0.106	7.751	0.77347	0.99956	LSM14A, SCDE homolog A (S. cerevisiae)	Cytoplasm	other
9137	MRFAP1	-0.107	7.426	0.76612	0.99956	Morf4 family associated protein 1	Nucleus	other
9138	RPL37	-0.109	7.784	0.77	0.99956	ribosomal protein L37	Cytoplasm	other
9139	CDV3	-0.109	7.897	0.76425	0.99956	CDV3 homolog (mouse)	Cytoplasm	other
9140	NUB1	-0.112	7.469	0.77454	0.99956	negative regulator of ubiquitin-like proteins 1	Other	other
9141	CNOT2	-0.114	8.126	0.75138	0.99956	CCR4-NOT transcription complex, subunit 2	Nucleus	transcription regulator
9142	U2SURP	-0.116	7.904	0.7684	0.99956	U2 snRNP-associated SURP domain containing	Nucleus	other
9143	DR1	-0.117	7.531	0.74899	0.99956	down-regulator of transcription 1, TBP-binding (negative cofactor 2)	Nucleus	transcription regulator
9144	MRPS5	-0.118	6.927	0.77426	0.99956	mitochondrial ribosomal protein S5	Cytoplasm	other
9145	UBL7	-0.118	7.118	0.76356	0.99956	ubiquitin-like 7	Other	other
9146	ATF2	-0.119	7.342	0.74823	0.99956	activating transcription factor 2	Nucleus	transcription regulator
9147	SMARCA5	-0.120	7.804	0.74871	0.99956	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5	Nucleus	transcription regulator
9148	COX7A2	-0.122	6.773	0.76338	0.99956	cytochrome c oxidase subunit VIIa polypeptide 2 (liver)	Cytoplasm	enzyme
9149	OSCR3	-0.122	7.589	0.75717	0.99956	Down syndrome critical region 3	Nucleus	other
9150	STXBP3	-0.123	7.224	0.76983	0.99956	syntaxin binding protein 3	Plasma Membrane	transporter
9151	NFATC2IP	-0.123	7.526	0.77394	0.99956	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2 interacting protein	Nucleus	other
9152	DDHD1	-0.124	7.899	0.74843	0.99956	DDHD domain containing 1	Extracellular Space	enzyme
9153	WNK1	-0.124	7.474	0.76758	0.99956	WNK lysine deficient protein kinase 1	Cytoplasm	kinase
9154	PCDC2	-0.124	7.361	0.7451	0.99956	programmed cell death 2	Nucleus	other
9155	RMND5A	-0.125	6.805	0.75937	0.99956	required for meiotic nuclear division 5 homolog A (S. cerevisiae)	Nucleus	other
9156	DCAF11	-0.126	7.189	0.77159	0.99956	DOB1 and CUL4 associated factor 11	Nucleus	other
9157	CDC37	-0.128	6.633	0.77166	0.99956	cell division cycle 37	Cytoplasm	other
9158	CRTC2	-0.128	6.953	0.76554	0.99956	CREB regulated transcription coactivator 2	Nucleus	other
9159	WWP1	-0.129	6.627	0.76843	0.99956	WW domain containing E3 ubiquitin protein ligase 1	Cytoplasm	enzyme
9160	IL27RA	-0.129	7.081	0.75361	0.99956	Interleukin 27 receptor, alpha	Plasma Membrane	transmembrane receptor
9161	COP54	-0.129	7.030	0.75812	0.99956	COP9 signalosome subunit 4	Cytoplasm	other
9162	ADH5	-0.132	6.955	0.75356	0.99956	alcohol dehydrogenase 5 (class III), chi polypeptide	Cytoplasm	enzyme
9163	TFAP10	-0.133	6.367	0.76514	0.99956	TFAP10 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 30kDa	Nucleus	transcription regulator
9164	GALT	-0.138	6.884	0.76484	0.99956	galactose-1-phosphate uridylyltransferase	Cytoplasm	enzyme
9165	GPS1	-0.138	6.914	0.77238	0.99956	G protein pathway suppressor 1	Other	other
9166	PSMD13	-0.139	7.992	0.74856	0.99956	proteasome (prosome, macropain) 26S subunit, non-ATPase, 13	Cytoplasm	peptidase
9167	BRD1	-0.140	6.357	0.75535	0.99956	bromodomain containing 1	Nucleus	other
9168	EXOC2	-0.141	6.962	0.7539	0.99956	exocyst complex component 2	Cytoplasm	transporter
9169	CHM	-0.141	6.349	0.77464	0.99956	choroideremia (Rab escort protein 1)	Cytoplasm	enzyme
9170	PICALM	-0.142	6.539	0.76482	0.99956	phosphatidylinositol binding clathrin assembly protein	Cytoplasm	other
9171	NUDC	-0.142	6.833	0.76716	0.99956	nucN nuclear distribution protein	Cytoplasm	other
9172	MRPL14	-0.144	6.373	0.77032	0.99956	mitochondrial ribosomal protein L14	Cytoplasm	other
9173	PREB	-0.146	7.360	0.75488	0.99956	prolactin regulatory element binding	Nucleus	transcription regulator
9174	CDC27	-0.146	6.113	0.77278	0.99956	cell division cycle 27	Nucleus	other
9175	PDCD7	-0.148	6.559	0.76612	0.99956	programmed cell death 7	Nucleus	other
9176	ACLY	-0.148	7.248	0.77239	0.99956	ATP citrate lyase	Cytoplasm	enzyme
9177	APPBP2	-0.149	6.493	0.76282	0.99956	amyloid beta precursor protein (cytoplasmic tail) binding protein 2	Cytoplasm	other
9178	EEF1D	-0.150	6.575	0.75037	0.99956	eukaryotic translation elongation factor 1 delta (guanine nucleotide exchange protein)	Cytoplasm	translation regulator
9179	ZNF143	-0.150	6.599	0.74766	0.99956	zinc finger protein 143	Nucleus	transcription regulator
9180	FAM120AC	-0.151	6.986	0.74877	0.99956	family with sequence similarity 120A opposite strand	Other	other
9181	ECI2	-0.152	6.095	0.77041	0.99956	enoyl-CoA delta isomerase 2	Cytoplasm	enzyme
9182	STYX	-0.154	6.318	0.75086	0.99956	serine/threonine/tyrosine interacting protein	Cytoplasm	phosphatase
9183	RPSA	-0.156	6.320	0.748	0.99956	ribosomal protein S4	Cytoplasm	translation regulator
9184	TGS1	-0.156	6.774	0.75513	0.99956	trimethylguanosine synthase 1	Nucleus	enzyme
9185	VP54A	-0.158	6.351	0.75316	0.99956	vacuolar protein sorting 4 homolog A (S. cerevisiae)	Cytoplasm	enzyme
9186	SRPK2	-0.165	6.278	0.76321	0.99956	SRSF protein kinase 2	Nucleus	kinase
9187	FCHSD2	-0.166	6.024	0.76565	0.99956	FCH and double SH3 domains 2	Other	other
9188	SNK1G1	-0.166	5.951	0.77173	0.99956	casein kinase 1, gamma1	Cytoplasm	kinase
9189	CBRA	-0.166	5.769	0.77435	0.99956	carbonyl reductase 4	Cytoplasm	enzyme
9190	PCBD2	-0.170	6.099	0.74878	0.99956	piGGyBac transposable element derived 2	Other	other
9191	KATS	-0.170	5.927	0.75786	0.99956	Kllysine) acetyltransferase 5	Nucleus	transcription regulator
9192	SCML1	-0.173	5.769	0.77512	0.99956	sex comb on midleg-like 1 (Drosophila)	Nucleus	transcription regulator
9193	SNX9	-0.175	6.542	0.75008	0.99956	sorting nexin 9	Cytoplasm	transporter
9194	DTYMK	-0.179	5.497	0.76364	0.99956	deoxythymidylate kinase (thymidylate kinase)	Cytoplasm	kinase
9195	ATXN2L	-0.179	5.497	0.77451	0.99956	ataxin 2-like	Nucleus	other
9196	OGFRL1	-0.180	5.644	0.76769	0.99956	opioid growth factor receptor-like 1	Other	other
9197	PFN1P1	-0.181	5.749	0.75158	0.99956	profilin 1 pseudogene 1	Other	other
9198	TAF8	-0.181	5.947	0.76186	0.99956	TAF8 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 43kDa	Nucleus	transcription regulator
9199	KHLH2	-0.182	5.892	0.77748	0.99956	kelch-like family member 2	Cytoplasm	other
9200	USG30L2	-0.182	6.107	0.74569	0.99956	interferon stimulated exonuclease gene 20kDa-like 2	Nucleus	enzyme
9201	NIPA1	-0.183	6.014	0.76777	0.99956	non-imprinted in Prader-Willi/Angelman syndrome 1	Plasma Membrane	other
9202	PABPN1	-0.185	5.469	0.76691	0.99956	poly(A) binding protein, nuclear 1	Nucleus	enzyme
9203	QDPR	-0.185	5.584	0.77132	0.99956	quinoid dihydropteridine reductase	Cytoplasm	enzyme
9204	GMEF	-0.187	6.805	0.74808	0.99956	glia maturation factor, beta	Cytoplasm	growth factor
9205	KCTD9	-0.189	5.171	0.77333	0.99956	potassium channel tetramerization domain containing 9	Other	other
9206	CWC27	-0.189	6.161	0.76807	0.99956	CWC27 spliceosome-associated protein homolog (S. cerevisiae)	Nucleus	enzyme
9207	NFU1	-0.191	5.757	0.76017	0.99956	NFU1 iron-sulfur cluster scaffold	Cytoplasm	other
9208	DIP2B	-0.192	6.013	0.74553	0.99956	DIP2 disco-interacting protein 2 homolog B (Drosophila)	Cytoplasm	other
9209	SDE2	-0.192	5.947	0.74909	0.99956	SDE2 telomere maintenance homolog (S. pombe)	Other	other
9210	CX6A1P2	-0.194	5.495	0.75579	0.99956	cytochrome c oxidase subunit VIa polypeptide 1 pseudogene 2	Other	other
9211	NDUFA2	-0.198	5.424	0.75532	0.99956	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2, 8kDa	Cytoplasm	enzyme
9212	AFG3L2	-0.199	5.423	0.77482	0.99956	AFG3-like AAA ATPase 2	Cytoplasm	peptidase
9213	NGRN	-0.200	5.337	0.76028	0.99956	neurotrophin, neurite outgrowth associated	Nucleus	other
9214	BABAM1	-0.201	5.240	0.75885	0.99956	BRISC and BRCA1 A complex member 1	Nucleus	other
9215	DNAIC9	-0.201	5.204	0.76193	0.99956	DnaI (Hsp40) homolog, subfamily C, member 9	Nucleus	other
9216	SAYS01	-0.202	5.618	0.75106	0.99956	SAYS01 motif domain containing 1	Other	other
9217	RAD51C	-0.204	5.220	0.75333	0.99956	RAD51 paralogue C	Other	enzyme
9218	GABPA	-0.210	5.099	0.76336	0.99956	GA binding protein transcription factor, alpha subunit 60kDa	Nucleus	transcription regulator
9219	PUS7	-0.218	5.468	0.75364	0.99956	pseudouridylate synthase 7 (putative)	Other	other
9220	CRAT	-0.220	4.756	0.77068	0.99956	carbamate O-acetyltransferase	Cytoplasm	enzyme
9221	MRPL52	-0.220	5.288	0.74715	0.99956	mitochondrial ribosomal protein L52	Cytoplasm	other
9222	C20orf196	-0.224	5.018	0.75677	0.99956	chromosome 20 open reading frame 196	Other	other
9223	SAP130	-0.226	4.924	0.75933	0.99956	Sin3A-associated protein, 130kDa	Nucleus	transcription regulator
9224	EDC3	-0.227	6.177	0.74898	0.99956	enhancer of mRNA decapping 3	Cytoplasm	other
9225	TERF2	-0.229	5.052	0.77328	0.99956	telomeric repeat binding factor 2	Nucleus	other
9226	ZDHHC21	-0.230	5.233	0.75417	0.99956	zinc finger, DHHC-type containing 21	Plasma Membrane	enzyme
9227	C1orf44	-0.231	4.697	0.75649	0.99956	chromosome 9 open reading frame 44	Nucleus	other
9228	MNAT1	-0.232	4.885	0.75556	0.99956	MNAT CDK-activating kinase assembly factor 1	Nucleus	other
9229	PIN4	-0.234	4.790	0.76332	0.99956	peptidylglylyl cis/trans isomerase, NIMA-interacting 4	Nucleus	enzyme
9230	GMEB2	-0.234	4.971	0.76406	0.99956	glucocorticoid modulatory element binding protein 2	Nucleus	transcription regulator
9231	TMEM206	-0.234	5.111	0.76004	0.99956	transmembrane protein 206	Plasma Membrane	other
9232	ACOT13	-0.236	5.336	0.76195	0.99956	acyl-CoA thioesterase 13	Cytoplasm	enzyme
9233	SNAPC2	-0.239	4.741	0.75766	0.99956	small nuclear RNA activating complex, polypeptide 2, 45kDa	Nucleus	transcription regulator
9234	ZNF580	-0.239	4.703	0.77157	0.99956	zinc finger protein 580	Nucleus	other
9235	RBPMS	-0.240	4.676	0.76565	0.99956	RNA binding protein with multiple splicing	Other	transcription regulator
9236	ERC4	-0.241	4.756	0.77042	0.99956	excision repair cross-complementation group 4	Nucleus	enzyme
9237								

9240	H2AFJ	-0.259	4.489	0.76607	0.99956	H2A histone family, member J	Cytoplasm	other
9241	PKD1	-0.263	4.720	0.7619	0.99956	polycystic kidney disease 1 (autosomal dominant)	Plasma Membrane	ion channel
9242	UBE2D3P2	-0.266	4.221	0.7496	0.99956	ubiquitin-conjugating enzyme E2D 3 pseudogene 2	Other	other
9243	PPP4R1L	-0.267	4.527	0.74661	0.99956	protein phosphatase 4, regulatory subunit 1-like (pseudogene)	Other	other
9244	DLGAP4	-0.274	4.808	0.76638	0.99956	discs, large (Drosophila) homolog-associated protein 4	Plasma Membrane	other
9245	SPPL2B	-0.274	5.019	0.75961	0.99956	signal peptide peptidase like 28	Plasma Membrane	peptidase
9246	C12orf66	-0.277	4.613	0.75438	0.99956	chromosome 12 open reading frame 66	Plasma Membrane	other
9247	MBIP	-0.279	4.653	0.77475	0.99956	MAP3K12 binding inhibitory protein 1	Nucleus	other
9248	MEO20	-0.283	5.172	0.77087	0.99956	mediator complex subunit 20	Nucleus	transcription regulator
9249	CDC30	-0.283	4.262	0.76245	0.99956	colled-coil domain containing 30	Cytoplasm	other
9250	SETP14	-0.289	3.979	0.76774	0.99956	SET pseudogene 14	Other	other
9251	EMBP1	-0.291	4.109	0.75948	0.99956	embigin pseudogene 1	Other	other
9252	RPL21P44	-0.294	4.161	0.74978	0.99956	ribosomal protein L21 pseudogene 44	Other	other
9253	LARS2	-0.295	4.251	0.76588	0.99956	leucyl-tRNA synthetase 2, mitochondrial	Cytoplasm	enzyme
9254	ACTBP11	-0.295	3.876	0.75465	0.99956	actin, beta pseudogene 11	Other	other
9255	PTPDC1	-0.298	4.714	0.76966	0.99956	protein tyrosine phosphatase domain containing 1	Extracellular Space	phosphatase
9256	METTL21B	-0.299	4.112	0.7495	0.99956	methyltransferase like 21B	Other	other
9257	ERCC8	-0.305	4.094	0.77143	0.99956	excision repair cross-complementation group 8	Nucleus	transcription regulator
9258	NACC2	-0.306	4.286	0.76381	0.99956	NACC family member 2, BEN and B7B (PO2) domain containing	Nucleus	transcription regulator
9259	AKRIC3	-0.307	4.510	0.76637	0.99956	ado-leto reductase family 1, member C3	Cytoplasm	enzyme
9260	CNTR08	-0.312	4.103	0.75584	0.99956	centrobin, centrosomal BRCA2 interacting protein	Cytoplasm	other
9261	PLXNA2	-0.316	3.369	0.77709	0.99956	plexin A2	Plasma Membrane	transmembrane receptor
9262	MAML3	-0.336	4.853	0.75012	0.99956	nastermin-like 3 (Drosophila)	Nucleus	transcription regulator
9263	NPEPL1	-0.341	3.862	0.74862	0.99956	aminopeptidase-like 1	Nucleus	peptidase
9264	PFN4	-0.346	3.919	0.75064	0.99956	prefoldin subunit 4	Cytoplasm	other
9265	BBC3	-0.347	3.729	0.75458	0.99956	BCL2 binding component 3	Cytoplasm	other
9266	ZNF428	-0.353	3.263	0.75903	0.99956	zinc finger protein 428	Other	other
9267	RNAD1	-0.362	3.400	0.7669	0.99956	ribosomal RNA adenine dimethylase domain containing 1	Other	other
9268	RWDD4P1	-0.366	2.264	0.76686	0.99956	RWD domain containing 4 pseudogene 1	Other	other
9269	RGAG4	-0.369	4.184	0.76985	0.99956	retrotransposon gag domain containing 4	Other	other
9270	GOLIM4	-0.372	3.470	0.74552	0.99956	golgi integral membrane protein 4	Cytoplasm	other
9271	ATPGV0E1F	-0.373	2.171	0.7501	0.99956	ATPase, H+ transporting, lysosomal 90Da, V0 subunit e1, pseudogene 2	Other	other
9272	ST20	-0.379	3.316	0.76437	0.99956	suppressor of tumorigenicity 20	Other	other
9273	GGT7	-0.383	3.055	0.77499	0.99956	gamma-glutamyltransferase 7	Plasma Membrane	enzyme
9274	ACTR3B	-0.388	3.723	0.77057	0.99956	ARP3 actin-related protein 3 homolog B (yeast)	Cytoplasm	other
9275	PHBP7	-0.389	2.746	0.77467	0.99956	prohibitin pseudogene 7	Other	other
9276	WNT2B	-0.393	3.414	0.75772	0.99956	wingless-type MMTV integration site family, member 2B	Extracellular Space	other
9277	PTPA1P2	-0.399	2.644	0.75394	0.99956	protein tyrosine phosphatase type IVA, member 1 pseudogene 2	Other	other
9278	ZNF165	-0.411	3.721	0.77184	0.99956	zinc finger protein 165	Nucleus	transcription regulator
9279	SUV39H1	-0.415	4.398	0.76304	0.99956	suppressor of variegation 3-9 homolog 1 (Drosophila)	Nucleus	enzyme
9280	DISP1	-0.417	4.488	0.76345	0.99956	dispatched homolog 1 (Drosophila)	Plasma Membrane	transporter
9281	GSTM3	-0.419	3.076	0.75151	0.99956	glutathione S-transferase mu 3 (brain)	Cytoplasm	enzyme
9282	TMSB10P1	-0.420	2.295	0.77176	0.99956	thymosin beta 10 pseudogene 1	Other	other
9283	TKL1P1	-0.427	2.722	0.76908	0.99956	toxoid-like kinase 1 pseudogene 1	Other	other
9284	TECP02	-0.446	2.304	0.77456	0.99956	trans-2,3-enoyl-CoA reductase pseudogene 2	Other	other
9285	RHO1TP3	-0.446	2.162	0.75247	0.99956	ras homolog family member 11 pseudogene 3	Other	other
9286	WWTR1	-0.447	2.526	0.77175	0.99956	WW domain containing transcription regulator 1	Nucleus	transcription regulator
9287	TLE2	-0.452	3.212	0.75527	0.99956	transducin-like enhancer of split 2	Nucleus	transcription regulator
9288	PRR12	-0.473	2.256	0.77296	0.99956	proline rich 12	Extracellular Space	other
9289	ZNF530	-0.475	4.259	0.76966	0.99956	zinc finger protein 530	Other	other
9290	ARMXC1	-0.482	3.218	0.75049	0.99956	armadillo repeat containing, X-linked 1	Other	other
9291	DYNLL1P1	-0.488	2.655	0.74868	0.99956	dynein, light chain, LC8-type 1 pseudogene 1	Other	other
9292	E1FAA1P7	-0.494	2.150	0.75026	0.99956	eukaryotic translation initiation factor 4A1 pseudogene 7	Other	other
9293	FAM189B	-0.497	2.563	0.76747	0.99956	family with sequence similarity 189, member 8	Other	other
9294	AIG1	-0.504	3.470	0.76128	0.99956	androgen-induced 1	Other	other
9295	DET1	-0.507	3.246	0.7662	0.99956	de-etiolated homolog 1 (Arabidopsis)	Nucleus	other
9296	ESPRY	-0.511	2.639	0.76393	0.99956	E-box and SPY domain containing 6	Cytoplasm	other
9297	RPLP07	-0.513	2.271	0.76116	0.99956	ribosomal protein L9 pseudogene 7	Other	other
9298	DSTNP1	-0.526	2.491	0.76052	0.99956	desmin (actin depolymerizing factor) pseudogene 1	Other	other
9299	RAPH1	-0.533	2.278	0.76219	0.99956	Ras association (RalGDS/AF-6) and pleckstrin homology domains 1	Plasma Membrane	other
9300	C1orf228	-0.535	3.308	0.75754	0.99956	chromosome 1 open reading frame 228	Other	other
9301	CDC58	-0.542	2.394	0.75118	0.99956	colled-coil domain containing 58	Cytoplasm	other
9302	CHST2	-0.545	2.707	0.77234	0.99956	carbohydrate (N-acetylglucosamine-6-O) sulfotransferase 2	Cytoplasm	enzyme
9303	CDC42EP2	-0.553	2.223	0.75116	0.99956	CDC42 effector protein (Rho GTPase binding) 2	Plasma Membrane	other
9304	GPR143	-0.575	2.126	0.77749	0.99956	G protein-coupled receptor 143	Plasma Membrane	G-protein coupled receptor
9305	LOXL2	-0.601	2.058	0.77212	0.99956	lysyl oxidase-like 2	Extracellular Space	enzyme
9306	EPGN	-0.603	2.380	0.77304	0.99956	epithelial mitogen	Extracellular Space	growth factor
9307	GREM1	-0.604	2.824	0.76083	0.99956	gremlin 1, DAN family BMP antagonist	Extracellular Space	other
9308	OND1P1	-0.606	2.511	0.76077	0.99956	dead end homolog 1 pseudogene 1	Other	other
9309	HYAL3	-0.657	2.722	0.76664	0.99956	hyaluronoglucosaminidase 3	Cytoplasm	enzyme
9310	TMSB15B	-0.661	2.481	0.74899	0.99956	thymosin beta 15B	Other	other
9311	SNORA33	-0.665	2.032	0.75755	0.99956	small nucleolar RNA, H/ACA box 33	Other	other
9312	KRT18P5	-0.669	2.264	0.75399	0.99956	keratin 18 pseudogene 5	Other	other
9313	PHLDA3	-0.677	2.487	0.75028	0.99956	pleckstrin homology-like domain, family A, member 3	Plasma Membrane	other
9314	TMEM158	-0.682	1.910	0.76128	0.99956	transmembrane protein 158 (gene/pseudogene)	Plasma Membrane	other
9315	ALS2CR11	-0.682	2.492	0.7585	0.99956	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 11	Other	other
9316	PRSS37	-0.726	1.930	0.75433	0.99956	protease, serine, 37	Extracellular Space	peptidase
9317	PACRG	-0.753	2.023	0.77204	0.99956	PARK2 co-regulated	Nucleus	other
9318	TRAJ41	-0.771	2.067	0.76635	0.99956	T cell receptor alpha joining 41	Other	other
9319	PLD6	-0.839	2.220	0.74661	0.99956	phospholipase D family, member 6	Cytoplasm	enzyme
9320	MIR421	-0.943	1.633	0.76823	0.99956	microRNA 95	Cytoplasm	microRNA
9321	TRIM47	-0.950	4.082	0.77528	0.99956	tripartite motif containing 47	Cytoplasm	other
9322	DNAC17	-0.234	4.832	0.77756	0.99989	DnaI (Hsp40) homolog, subfamily C, member 17	Other	other
9323	TIGD4	-0.567	2.528	0.77562	0.99989	tigger transposable element derived 4	Other	other
9324	CENPL	0.180	5.317	0.77575	0.99993	centromere protein L	Cytoplasm	other
9325	COMMD5	0.143	5.997	0.77582	0.99993	COMM domain containing 5	Nucleus	other
9326	ZNF571	0.222	5.131	0.77761	0.99994	zinc finger protein 571	Nucleus	other
9327	ARPC2	-0.092	9.364	0.77761	0.99994	actin related protein 2/3 complex, subunit 2, 34kDa	Cytoplasm	other
9328	RPL6	-0.145	6.080	0.77607	0.99994	ribosomal protein L6	Nucleus	other
9329	SH3PKD2A	-0.248	4.950	0.77616	0.99994	SH3 and PX domains 2A	Cytoplasm	other
9330	C7orf59	0.119	6.883	0.77634	0.99996	late endosomal/lysosomal adaptor, MAPK and MTOR activator 4	Cytoplasm	other
9331	GSTK1	-0.095	7.962	0.77651	0.99996	glutathione S-transferase kapap 1	Cytoplasm	enzyme
9332	TERT1P4	-0.308	3.143	0.77661	0.99996	helomeric repeat binding factor (NIMA-interacting) 1 pseudogene 4	Other	other
9333	GPR27	-0.405	3.162	0.77646	0.99996	G protein-coupled receptor 27	Plasma Membrane	G-protein coupled receptor
9334	NUDT15	-0.213	5.117	0.77662	0.99999	nudix (nucleoside diphosphate linked moiety X)-type motif 15	Cytoplasm	phosphatase
9335	NCAPD2P1	1.129	1.526	0.77721	1	non-SMC condensin I complex, subunit D2 pseudogene 1	Other	other
9336	TPM3P6	0.928	1.738	0.81674	1	tropomyosin 3 pseudogene 6	Other	other
9337	EME1	0.787	1.737	0.83105	1	essential meiotic structure-specific endonuclease 1	Nucleus	other
9338	FAM87B	0.701	1.579	0.78165	1	family with sequence similarity 87, member 8	Other	other
9339	SLC46A1	0.698	1.739	0.8032	1	solute carrier family 46 (folate transporter), member 1	Plasma Membrane	transporter
9340	TIAF1	0.681	2.168	0.79249	1	TGFB1-induced anti-apoptotic factor 1	Cytoplasm	other
9341	DMGDH	0.679	1.778	0.81794	1	dimethylglycine dehydrogenase	Cytoplasm	enzyme
9342	CBX1P1	0.657	1.855	0.83434	1	chromobox homolog 1 pseudogene 1	Other	other
9343	LINGO3	0.653	2.564	0.7787	1	leucine rich repeat and lg domain containing 3	Other	other
9344	NECAP1P2	0.623	1.719	0.81421	1		Other	other
9345	REPS2	0.619	2.095	0.79519	1	RABP1 associated Eps domain containing 2	Cytoplasm	other
9346	CDC75P1	0.612	1.994	0.86968	1	colled-coil domain containing 75 pseudogene 1	Other	other
9347	PRKRIRP3	0.603	1.847	0.82662	1	protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor) pseudogene 3	Other	other
9348	RBM52P1	0.599	2.140	0.80017	1	RNA binding motif, single stranded interacting protein 2 pseudogene 1	Other	other
9349	SPTY2D1-A	0.593	1.884	0.85073	1	SPTY2D1 antisense RNA 1	Other	other
9350	NUDT17	0.581	2.280	0.82972	1	nudix (nucleoside diphosphate linked moiety X)-type motif 17	Cytoplasm	other
9351	EBF4	0.577	2.079	0.79209	1	early B-cell factor 4	Nucleus	other
9352	PODXL	0.576	2.151	0.80079	1	podocalyxin-like	Plasma Membrane	kinase
9353	LDHAP3	0.560	2.114	0.86255	1	lactate dehydrogenase A pseudogene 3	Other	other
9354	OSMR	0.556	2.237	0.82518	1	oncostatin M receptor	Plasma Membrane	transmembrane receptor
9355	RPL7AP34	0.555	1.983	0.85158	1	ribosomal protein L7a pseudogene 34	Other	other
9356	SEC62-A51	0.554	1.961	0.86142	1		Other	other
9357	ATPGV1C2	0.545	2.115	0.89989	1	ATPase, H+ transporting, lysosomal 42kDa, V1 subunit C2	Cytoplasm	transporter
9358	RARB	0.527	1.974	0.86279	1	retinoic acid receptor, beta	Nucleus	ligand-dependent nuclear receptor
9359	EREG	0.519	2.496	0.82538	1	epiregulin	Extracellular Space	growth factor
9360	KATNAL2	0.516	2.353	0.84333	1	katanin p60 subunit A-like 2	Other	other
9361	SCARNAS	0.505	2.120	0.8783	1	small Cajal body-specific RNA 5	Other	other
9362	PRPF19	0.497	2.295	0.79196	1	pre-mRNA processing factor 19	Nucleus	other
9363	PLEKHA4	0.496	2.798	0.78593	1	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 4	Cytoplasm	other
9364	HE54	0.495	1.856	0.83604	1	hes family bHLH transcription factor 4	Other	other
9365	CHST14	0.491	2.629	0.78954	1	carbohydrate (N-acetylglucosamine-4-O) sulfotransferase 14	Cytoplasm	enzyme
9366	ZNF620	0.490	3.140	0.81226	1	zinc finger protein 620	Nucleus	other
9367	MTND1P9	0.487	2.957	0.80896	1	MT-ND1 pseudogene 9	Other	other
9368	RPL26P30	0.486	2.352	0.80002	1	ribosomal protein L26 pseudogene 30	Other	other
9369	TRAJ23	0.483	2.070	0.79468	1	T cell receptor alpha joining 23	Other	other
9370	MPND	0.482	2.257	0.78802	1	MPN domain		

9372	FBXL16	0,479	2,014	0,86345	1	F-box and leucine-rich repeat protein 16	Cytoplasm	other
9373	SERPINF1	0,478	2,243	0,84451	1	serpin peptidase inhibitor, clade F (alpha-2 antipainin, pigment epithelium derived factor), member 1	Extracellular Space	other
9374	GMPR	0,475	2,444	0,83407	1	guanosine monophosphate reductase	Cytoplasm	enzyme
9375	SPNS1	0,471	1,922	0,84079	1	spinster homolog 1 (Drosophila)	Cytoplasm	transporter
9376	AMZ1	0,470	1,817	1	1	archaealysin family metallopeptidase 1	Other	peptidase
9377	GLULP4	0,470	1,950	0,84881	1	glutamate-ammonia ligase (glutamine synthetase) pseudogene 4	Other	other
9378	ANKRD36P	0,459	1,981	0,85998	1	ankyrin repeat domain 26 pseudogene 4	Other	other
9379	MORN3	0,452	2,072	0,81767	1	MORN repeat containing 3	Nucleus	other
9380	PPM1AP1	0,449	1,750	0,81423	1	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent 1A, pseudogene 1	Other	other
9381	TMM8AP1	0,445	2,477	0,84704	1	translocase of inner mitochondrial membrane 8 homolog A (yeast) pseudogene 1	Other	other
9382	RAB1B	0,444	2,623	0,84657	1	RAB1B, member RAS oncogene family	Cytoplasm	other
9383	HYI	0,442	2,626	0,79949	1	hydroxypyruvate isomerase (putative)	Other	enzyme
9384	TRPC1	0,442	3,163	0,77782	1	transient receptor potential cation channel, subfamily C, member 1	Plasma Membrane	ion channel
9385	DDX18P1	0,441	2,392	0,78792	1	DEAD (Asp-Glu-Ala-Asp) box polypeptide 18 pseudogene 1	Other	other
9386	PLCXD2-AS	0,441	1,648	1	1	PLCXD2 antisense RNA 1	Other	other
9387	RPL41P1	0,439	1,941	1	1	ribosomal protein L41 pseudogene 1	Other	other
9388	MAFK	0,435	2,450	0,85763	1	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog K	Nucleus	transcription regulator
9389	SH2D4A	0,434	2,418	0,8034	1	SH2 domain containing 4A	Cytoplasm	other
9390	EEF1A1P30	0,426	2,974	0,79759	1	eukaryotic translation elongation factor 1 alpha 1 pseudogene 30	Other	other
9391	OPRT	0,425	1,866	0,84623	1	quinolinate phosphoribosyltransferase	Cytoplasm	enzyme
9392	SLC23A1	0,423	2,190	0,91696	1	solute carrier family 23 (ascorbic acid transporter), member 1	Plasma Membrane	transporter
9393	ZNF415	0,421	3,807	0,78242	1	zinc finger protein 415	Nucleus	other
9394	SLC23A3	0,419	2,266	0,85016	1	solute carrier family 23, member 3	Other	transporter
9395	AIF1	0,416	2,250	0,79091	1	allograft inflammatory factor 1	Nucleus	other
9396	CDRT4	0,414	2,198	0,90236	1	CMT1A duplicated region transcript 4	Other	other
9397	PARD3	0,409	3,486	0,80685	1	par-3 family cell polarity regulator	Plasma Membrane	other
9398	NONOP2	0,404	2,427	0,86657	1	non-POU domain containing, octamer-binding pseudogene 2	Other	other
9399	RPS3AP12	0,400	2,699	0,87607	1	ribosomal protein S3a pseudogene 12	Other	other
9400	AKR1E2	0,399	1,943	1	1	aldo-keto reductase family 1, member E2	Cytoplasm	enzyme
9401	GRIP1	0,396	3,238	0,8149	1	glutamate receptor interacting protein 1	Plasma Membrane	transcription regulator
9402	HMG81P3	0,393	2,481	0,8208	1	high mobility group box 1 pseudogene 31	Other	other
9403	PPT2	0,392	3,189	0,79462	1	palmitoyl-protein thioesterase 2	Cytoplasm	enzyme
9404	GK	0,391	2,301	0,91136	1	glycerol kinase	Cytoplasm	kinase
9405	ORC1	0,390	2,751	0,86372	1	origin recognition complex, subunit 1	Nucleus	other
9406	AZ1	0,387	2,548	0,87408	1	centrosomal protein 131kDa	Cytoplasm	other
9407	CNIH3	0,387	3,136	0,82925	1	conichon family AMPA receptor auxiliary protein 3	Plasma Membrane	transporter
9408	C10orf35	0,385	2,587	0,80548	1	chromosome 10 open reading frame 35	Other	other
9409	SUV420H2	0,382	2,999	0,8174	1	suppressor of variegation 4-20 homolog 2 (Drosophila)	Nucleus	enzyme
9410	IPO7P2	0,382	2,391	0,8111	1	importin 7 pseudogene 2	Other	other
9411	LRRC27	0,380	3,793	0,79228	1	leucine rich repeat containing 27	Other	other
9412	CDC42-IT1	0,379	1,659	1	1	CDC42 intronic transcript 1	Other	other
9413	ANKRD37	0,376	3,882	0,77693	1	ankyrin repeat domain 37	Other	other
9414	PINK1-AS	0,376	2,860	0,84378	1	PINK1 antisense RNA	Other	other
9415	HSPD1P11	0,374	3,088	0,84625	1	heat shock 60kDa protein 1 (chaperonin) pseudogene 11	Other	other
9416	SNV	0,369	2,521	0,85464	1	stanni	Plasma Membrane	other
9417	C11orf67	0,364	2,701	0,84984	1	adipogenesis associated, Mth938 domain containing	Cytoplasm	other
9418	STAP1	0,359	3,278	0,81641	1	signal transducing adaptor family member 1	Cytoplasm	other
9419	CHCHD2P2	0,359	1,848	1	1	colled-coil-helix-coiled-coil-helix domain containing 2 pseudogene 2	Other	other
9420	FTTM2	0,358	3,996	0,80227	1	fat storage-inducing transmembrane protein 2	Cytoplasm	other
9421	LINC00663	0,358	3,643	0,85874	1	long intergenic non-protein coding RNA 663	Other	other
9422	ATP5LP3	0,356	3,296	0,7906	1	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit g, pseudogene 3	Other	other
9423	RPS20P14	0,356	2,855	0,78526	1	ribosomal protein S20 pseudogene 14	Other	other
9424	AKAP6	0,354	2,398	0,92961	1	A kinase (PRKA) anchor protein 6	Nucleus	other
9425	LRRC69	0,352	3,073	0,79407	1	leucine rich repeat containing 69	Other	other
9426	C7orf25	0,349	1,844	1	1	chromosome 7 open reading frame 25	Other	other
9427	TNKR02	0,346	3,115	0,86571	1	thioredoxin reductase 2	Cytoplasm	enzyme
9428	CCDC117	0,344	3,241	0,81167	1	colled-coil domain containing 117	Other	other
9429	CBWD7	0,343	2,900	0,8171	1	COBW domain containing 7	Other	other
9430	GLI4	0,343	3,596	0,77908	1	GLI family zinc finger 4	Nucleus	other
9431	LRRCA5	0,342	3,349	0,84346	1	leucine rich repeat containing 45	Cytoplasm	other
9432	MIR573	0,341	2,098	0,8695	1	microRNA 573	Cytoplasm	microRNA
9433	PAOX	0,339	3,878	0,77932	1	polyamine oxidase (exo-N4-amino)	Cytoplasm	enzyme
9434	ABHD1	0,338	3,356	0,87263	1	abhydrolase domain containing 1	Other	other
9435	L3MBTL1	0,337	3,614	0,82232	1	l(3)mbt-like 1 (Drosophila)	Nucleus	other
9436	ST7-OT4	0,336	2,047	1	1	ST7 overlapping transcript 4	Other	other
9437	C19orf68	0,336	2,993	0,82862	1	chromosome 19 open reading frame 68	Other	other
9438	FOXP1-IT1	0,336	2,052	1	1	FOXP1 intronic transcript 1	Other	other
9439	C1orf115	0,336	4,134	0,78733	1	chromosome 1 open reading frame 115	Other	other
9440	ZNF346-IT1	0,335	2,405	0,82417	1	1	Other	other
9441	SUCGA2P2	0,333	3,886	0,79256	1	succinate-CoA ligase, GDP-forming, beta subunit pseudogene 2	Other	other
9442	PEX7	0,332	2,589	0,92408	1	peroxisomal biogenesis factor 7	Cytoplasm	transporter
9443	PPP2R2B	0,332	3,226	0,82295	1	protein phosphatase 2, regulatory subunit B, beta	Cytoplasm	phosphatase
9444	PPP1R26	0,332	4,022	0,85247	1	protein phosphatase 1, regulatory subunit 26	Nucleus	other
9445	KRASP1	0,331	2,397	0,90171	1	Kirsten rat sarcoma viral oncogene homolog pseudogene 1 (functional)	Other	other
9446	PIDD	0,329	3,676	0,79329	1	p53-induced death domain protein 1	Cytoplasm	other
9447	UBE2SP2	0,329	3,168	0,83452	1	ubiquitin-conjugating enzyme E2S pseudogene 2	Other	other
9448	CDC6	0,326	3,896	0,82391	1	cell division cycle 6	Nucleus	other
9449	ZNF519	0,326	4,743	0,78181	1	zinc finger protein 519	Nucleus	other
9450	SCARNA21	0,325	3,127	0,7883	1	small Cajal body-specific RNA 21	Other	other
9451	EFCAB10	0,325	2,174	1	1	EF-hand calcium binding domain 10	Other	other
9452	EXTL2	0,325	4,093	0,7837	1	exostosin-like glycosyltransferase 2	Cytoplasm	enzyme
9453	CPNE8	0,324	3,746	0,78197	1	copine VIII	Cytoplasm	other
9454	LSM3P5	0,323	1,948	1	1	LSM3 pseudogene 5	Other	other
9455	RGPD8	0,319	2,613	0,82344	1	RANBP2-like and GRIP domain containing 5	Nucleus	other
9456	SCARNA3	0,319	1,670	1	1	small Cajal body-specific RNA 3	Other	other
9457	TAS2R5	0,317	2,627	0,88462	1	taste receptor, type 2, member 5	Plasma Membrane	G-protein coupled receptor
9458	PLP	0,316	2,906	0,88659	1	plasmolipin	Plasma Membrane	transporter
9459	C10orf68	0,315	2,632	0,8425	1	colled-coil domain containing 7	Other	other
9460	CHAF1B	0,311	3,223	0,87134	1	chromatin assembly factor 1, subunit B (p60)	Nucleus	other
9461	RPL19P21	0,311	3,161	0,8288	1	ribosomal protein L19 pseudogene 21	Other	other
9462	PEMT	0,310	4,258	0,77758	1	phosphatidylethanolamine N-methyltransferase	Cytoplasm	enzyme
9463	RPL37P2	0,309	3,308	0,78809	1	ribosomal protein L37 pseudogene 2	Other	other
9464	RNF169	0,308	4,508	0,77964	1	ring finger protein 169	Nucleus	other
9465	GCSAM	0,307	4,370	0,82219	1	germinal center-associated, signaling and motility	Cytoplasm	other
9466	CKN2C	0,306	3,606	0,80891	1	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	Nucleus	transcription regulator
9467	SCRIB	0,305	3,152	0,77956	1	scribbled planar cell polarity protein	Cytoplasm	other
9468	TRAU55	0,304	1,833	1	1	T cell receptor alpha joining 55 (pseudogene)	Other	other
9469	RPL27AP	0,304	2,276	1	1	ribosomal protein L27a pseudogene	Other	other
9470	LRRC19	0,303	2,770	0,88789	1	leucine rich repeat containing 19	Other	other
9471	DAPK3	0,302	2,993	0,82975	1	death-associated protein kinase 3	Cytoplasm	kinase
9472	PARD6B	0,301	3,411	0,81089	1	par-6 family cell polarity regulator beta	Plasma Membrane	other
9473	AQP11	0,300	2,895	0,86733	1	aquaporin 11	Plasma Membrane	transporter
9474	WBP1	0,300	2,290	0,88837	1	WW domain binding protein 1	Cytoplasm	other
9475	CNKR2	0,299	4,090	0,8244	1	connector enhancer of kinase suppressor of Ras 2	Plasma Membrane	other
9476	OSBPL7	0,296	5,735	0,79312	1	oxysterol binding protein-like 7	Cytoplasm	other
9477	ZSCAN2	0,296	3,671	0,81488	1	zinc finger and SCAN domain containing 2	Nucleus	transcription regulator
9478	RBBP4P5	0,294	1,985	1	1	retinoblastoma binding protein 4 pseudogene 5	Other	other
9479	TMT5F2	0,294	3,965	0,82876	1	transmembrane 7 superfamily member 2	Cytoplasm	enzyme
9480	SPAG5	0,294	3,935	0,85909	1	sperm associated antigen 5	Nucleus	peptidase
9481	EFCAB2	0,294	3,720	0,81904	1	EF-hand calcium binding domain 2	Other	other
9482	RNASEK	0,294	3,748	0,78438	1	ribonuclease, RNase K	Other	peptidase
9483	ATP1B1	0,289	4,372	0,78767	1	ATPase, Na ⁺ /K ⁺ transporting, beta 1 polypeptide	Plasma Membrane	transporter
9484	PHF13	0,289	3,204	0,78908	1	PHD finger protein 13	Nucleus	other
9485	ZBED6	0,288	4,348	0,80604	1	zinc finger, BED-type containing 6	Nucleus	other
9486	TGIF2P1	0,287	2,037	1	1	TGFB-induced factor homeobox 2 pseudogene 1	Other	other
9487	HMG81P5	0,286	3,427	0,80621	1	high mobility group box 1 pseudogene 5	Nucleus	other
9488	RNF126P1	0,285	3,236	0,84143	1	ring finger protein 126 pseudogene 1	Other	other
9489	PARO3B	0,284	2,935	0,87525	1	par-3 family cell polarity regulator beta	Plasma Membrane	other
9490	OLEU2L	0,282	2,533	0,84783	1	deleted in lymphocytic leukemia 2-like	Other	other
9491	ARMCS	0,282	3,119	0,88084	1	armadillo repeat containing 5	Cytoplasm	other
9492	RPS4XP22	0,281	2,144	1	1	ribosomal protein S4X pseudogene 22	Other	other
9493	HRH1	0,280	4,555	0,80412	1	histamine receptor H1	Plasma Membrane	G-protein coupled receptor
9494	BTTF3P8	0,279	2,485	0,90221	1	basic transcription factor 3 pseudogene 8	Other	other
9495	TP53TG1	0,276	3,104	0,83196	1	TP53 target 1 (non-protein coding)	Other	other
9496	C12orf61	0,276	2,878	0,78192	1	long intergenic non-protein coding RNA 1465	Other	other
9497	NTSDC3	0,276	3,423	0,83705	1	5'-nucleotidase domain containing 3	Other	other
9498	MAPK3	0,275	2,202	0,90266	1	mitogen-activated protein kinase 3	Cytoplasm	kinase
9499	RIMKLBP1	0,274	2,361	0,90635	1	ribosomal modification protein rimK-like family member B pseudogene 1	Other	other
9500	ARID3A	0,273	3,925	0,79232	1	AT rich interactive domain 3A (BRIGHT-like)	Nucleus	transcription regulator
9501	OSTNP2	0,273	2,993	0,82453	1	desitin (actin depolymerizing factor) pseudogene 2	Other	other
9502	THUMP011	0,272	2,157	1	1	THUMP domain containing 1 pseudogene 1	Other	other
9503	FNBP1L	0,272	3,204	0,87792	1	femin binding protein 1-like	Cytoplasm	other

9504	WDR92	0.272	2.040	1	1	WD repeat domain 92	Other	other
9505	RBBP4P4	0.272	2.890	0.8602	1	retinoblastoma binding protein 4 pseudogene 4	Other	other
9506	LIMA1	0.271	4.053	0.78785	1	LIM domain and actin binding 1	Cytoplasm	other
9507	ZNF724P	0.271	3.383	0.89987	1	zinc finger protein 724, pseudogene	Other	other
9508	EEF1A1P11	0.270	3.039	0.87811	1	eukaryotic translation elongation factor 1 alpha 1 pseudogene 11	Other	other
9509	RRAGO	0.270	3.232	0.86379	1	Ras-related GTP binding D	Cytoplasm	enzyme
9510	HAUS4	0.268	4.217	0.78667	1	HAUS augmin-like complex, subunit 4	Cytoplasm	other
9511	FGFY	0.268	3.001	0.87814	1	FGFY carbohydrate kinase domain containing	Other	other
9512	ATPSG2P3	0.268	2.933	0.89401	1	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit C2 (subunit 9) pseudogene 3	Other	other
9513	CDC99	0.266	4.404	0.79218	1	spindle apparatus coiled-coil protein 1	Nucleus	other
9514	SMAGP	0.266	4.125	0.82515	1	small cell adhesion glycoprotein	Cytoplasm	other
9515	RANBP3	0.265	3.926	0.79742	1	RAN binding protein 3	Nucleus	other
9516	RWDD2B	0.264	3.959	0.80498	1	RWD domain containing 2B	Other	other
9517	THAP2	0.264	4.062	0.78231	1	THAP domain containing, apoptosis associated protein 2	Nucleus	other
9518	RPS20P33	0.263	2.558	0.9248	1	ribosomal protein S20 pseudogene 33	Other	other
9519	FAM133DP	0.263	3.436	0.82047	1	family with sequence similarity 133, member A pseudogene	Other	other
9520	NPIPL3	0.262	3.679	0.80099	1	nuclear pore complex interacting protein family, member 83	Other	other
9521	SNRPD2P1	0.262	3.175	0.82154	1	small nuclear ribonucleoprotein D2 pseudogene 1	Other	other
9522	ZNF470	0.262	4.805	0.81307	1	zinc finger protein 470	Nucleus	other
9523	MYBBP1A	0.260	4.990	0.83595	1	MYB binding protein (PB60) 1a	Nucleus	transcription regulator
9524	GNRHR	0.259	2.354	0.82362	1	gonadotropin-releasing hormone receptor	Plasma Membrane	G protein coupled receptor
9525	CCRL2	0.258	3.154	0.90831	1	chemokine (C-C motif) receptor-like 2	Plasma Membrane	G-protein coupled receptor
9526	GKAP1	0.257	4.444	0.80433	1	G kinase anchoring protein 1	Cytoplasm	other
9527	NOMO3	0.256	1.980	1	1	NODAL modulator 1	Plasma Membrane	other
9528	PDS52	0.256	4.967	0.80781	1	prenyl (decaprenyl) diphosphate synthase, subunit 2	Cytoplasm	enzyme
9529	ARMXC6	0.255	4.263	0.80205	1	armadillo repeat containing, X-linked 6	Other	other
9530	ANP32AP1	0.255	3.011	0.88378	1	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A pseudogene 1	Other	other
9531	MICAL2	0.253	2.441	0.91759	1	microtubule associated monoxygenase, calponin and LIM domain containing 2	Cytoplasm	enzyme
9532	MLYCD	0.253	4.400	0.78579	1	malonyl-CoA decarboxylase	Cytoplasm	enzyme
9533	CIRI1P1	0.252	2.780	0.85281	1	corepressor interacting with RBP1, 1 pseudogene 1	Other	other
9534	ETAA1	0.252	4.422	0.78535	1	Ewing tumor-associated antigen 1	Other	other
9535	CLASRP	0.251	3.843	0.83927	1	CLK4-associating serine/arginine rich protein	Nucleus	other
9536	TRIOG	0.251	2.676	0.92074	1	Triple Ovar/R motif containing	Other	other
9537	CASP3P1	0.250	2.216	0.8826	1	caspace 3, apoptosis-related cysteine peptidase pseudogene 1	Other	other
9538	SETD1A	0.250	4.125	0.79354	1	SET domain containing 1A	Nucleus	ion channel
9539	ZNF239	0.250	2.445	0.93687	1	zinc finger protein 239	Nucleus	other
9540	LYPD3	0.249	3.981	0.8033	1	LY6/PLAUR domain containing 3	Plasma Membrane	other
9541	WASF4P	0.249	4.429	0.78524	1	WAS protein family, member 4, pseudogene	Other	other
9542	ARF1P2	0.248	2.577	0.91029	1	ADP-ribosylation factor 1 pseudogene 2	Other	other
9543	HS2T1	0.248	4.398	0.82975	1	heparan sulfate 2-O-sulfotransferase 1	Cytoplasm	enzyme
9544	IL3RA	0.247	4.016	0.86589	1	interleukin 3 receptor, alpha (low affinity)	Plasma Membrane	transmembrane receptor
9545	CEP57L1P1	0.247	2.231	0.88604	1	centrosomal protein 57kDa-like 1 pseudogene 1	Other	other
9546	TRAF7	0.246	4.024	0.87444	1	TNF receptor-associated factor 7, E3 ubiquitin protein ligase	Cytoplasm	enzyme
9547	CD72	0.246	4.242	0.80922	1	CD72 molecule	Plasma Membrane	transmembrane receptor
9548	LINC00674	0.246	4.356	0.79136	1	long intergenic non-protein coding RNA 674	Other	other
9549	HAUS8	0.246	4.362	0.78914	1	HAUS augmin-like complex, subunit 8	Cytoplasm	other
9550	ARLSAP4	0.245	2.892	0.8721	1	ADP-ribosylation factor-like 5A pseudogene 4	Other	other
9551	BAHD1	0.244	4.130	0.85721	1	bromo adjacent homology domain containing 1	Nucleus	other
9552	EIF4BP6	0.243	3.906	0.83018	1	eukaryotic translation initiation factor 4B pseudogene 6	Other	other
9553	CNOT7P1	0.242	4.151	0.79251	1	CCR4-NOT transcription complex, subunit 7 pseudogene 1	Other	other
9554	FTH1P8	0.241	2.974	0.86574	1	ferritin, heavy polypeptide 1 pseudogene 8	Other	other
9555	AGER	0.240	4.275	0.84867	1	advanced glycosylation end product-specific receptor	Plasma Membrane	transmembrane receptor
9556	VPS52	0.240	5.062	0.78281	1	vacuolar protein sorting 52 homolog (S. cerevisiae)	Cytoplasm	other
9557	NFKB1L1	0.239	4.088	0.80639	1	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 1	Nucleus	transcription regulator
9558	PELP1	0.238	3.992	0.81949	1	proline, glutamate and leucine rich protein 1	Nucleus	other
9559	CNCF7	0.238	4.206	0.85026	1	copine VII	Cytoplasm	transporter
9560	CCDC112	0.237	3.680	0.84394	1	coiled-coil domain containing 112	Extracellular Space	other
9561	FTF81	0.236	3.673	0.89176	1	intraflagellar transport 81	Extracellular Space	other
9562	RPL35P2	0.236	2.892	0.85839	1	ribosomal protein L35 pseudogene 2	Other	other
9563	SEPW1P	0.235	3.251	0.89156	1	selenoprotein W, 1 pseudogene	Other	other
9564	SLC17A3	0.233	2.041	1	1	solute carrier family 17 (organic anion transporter), member 3	Plasma Membrane	transporter
9565	KXR8	0.233	4.741	0.78544	1	KX, Kell blood group complex subunit-related family, member 8	Plasma Membrane	other
9566	ZNF816-ZN	0.233	2.604	0.91749	1	ZNF816-ZNF321P readthrough	Other	other
9567	PSTPIP2	0.233	5.173	0.78818	1	proline-serine-threonine phosphatase interacting protein 2	Cytoplasm	other
9568	SLC30A4	0.232	4.802	0.78722	1	solute carrier family 30 (zinc transporter), member 4	Cytoplasm	transporter
9569	PAK1	0.232	3.345	0.8759	1	p21 protein (Cdk4/Rac)-activated kinase 1	Cytoplasm	kinase
9570	CNNB1P1	0.232	4.240	0.82357	1	cyclin B1 interacting protein 1, E3 ubiquitin protein ligase	Nucleus	enzyme
9571	DEPDC5	0.232	4.690	0.81156	1	DEP domain containing 5	Cytoplasm	other
9572	ZNF714	0.231	4.112	0.81131	1	zinc finger protein 714	Other	other
9573	ZNF511	0.230	4.226	0.80857	1	zinc finger protein 511	Nucleus	other
9574	PLR8	0.230	3.570	0.86808	1	paired immunoglobulin-like type 2 receptor beta	Plasma Membrane	other
9575	FGFR1	0.229	4.683	0.82909	1	fibroblast growth factor receptor 1	Plasma Membrane	kinase
9576	RLS24D1P9	0.229	2.297	1	1	ribosomal L24 domain containing 1 pseudogene 9	Other	other
9577	FLYWCH2	0.228	4.540	0.79344	1	FLYWCH family member 2	Other	other
9578	ROGDI	0.228	4.783	0.78666	1	rogdi homolog (Drosophila)	Other	other
9579	UBE2HP1	0.228	2.634	0.91748	1	ubiquitin-conjugating enzyme E2H pseudogene 1	Other	other
9580	TRAV13-1	0.228	1.841	1	1	T cell receptor alpha variable 13-1	Other	other
9581	NCKAP5L	0.227	3.556	0.88316	1	NCK-associated protein 5-like	Other	other
9582	FBXO25	0.227	4.583	0.79688	1	F-box protein 25	Nucleus	enzyme
9583	MGAT2	0.227	2.261	1	1	mannosyl (alpha-1,6-beta-1,2-N-acetylglucosaminyl)transferase	Cytoplasm	enzyme
9584	GET4	0.225	2.677	0.91614	1	80S to ER traffic protein 4 homolog (S. cerevisiae)	Cytoplasm	other
9585	ARIP	0.225	4.823	0.79866	1	ARAF1 interacting protein	Cytoplasm	enzyme
9586	TRAV21	0.224	2.749	0.9535	1	T cell receptor alpha variable 21	Other	other
9587	SH2D3A	0.223	4.518	0.80672	1	SH2 domain containing 3A	Cytoplasm	other
9588	TRAJ26	0.223	1.971	1	1	T cell receptor alpha joining 26	Other	other
9589	WAS	0.221	3.402	0.85649	1	Wiskott-Aldrich syndrome	Cytoplasm	other
9590	BRPF3	0.220	4.346	0.84867	1	bromodomain and PHD finger containing, 3	Cytoplasm	other
9591	PCGF6	0.220	3.885	0.82328	1	polycomb group ring finger 6	Nucleus	transcription regulator
9592	PANK1	0.219	2.842	0.92134	1	pantothenate kinase 1	Cytoplasm	kinase
9593	RSPH3	0.218	3.899	0.82752	1	radial spoke 3 homolog (Chlamydomonas)	Other	other
9594	TBL1XR1-A	0.218	1.817	1	1	TBL1XR1 antisense RNA 1	Other	other
9595	FTN	0.218	4.294	0.82697	1	fukutin	Extracellular Space	other
9596	SLC5A7	0.214	4.542	0.82892	1	solute carrier family 9, subfamily A (NHE7, cation proton antiporter 7), member 7	Cytoplasm	transporter
9597	PCTP	0.214	1.836	1	1	phosphatidylcholine transfer protein	Cytoplasm	transporter
9598	SRBF1	0.213	3.715	0.88155	1	sterol regulatory element binding transcription factor 1	Nucleus	transcription regulator
9599	AP4B1-AS1	0.212	3.161	0.90036	1	AP4B1 antisense RNA 1	Other	other
9600	TBX19	0.211	4.681	0.86091	1	T-box 19	Nucleus	transcription regulator
9601	FAM214B	0.210	4.522	0.85157	1	family with sequence similarity 214, member B	Nucleus	other
9602	GLTPD1	0.209	4.483	0.80517	1	ceramide-1-phosphate transfer protein	Cytoplasm	transporter
9603	IL4I1	0.209	5.894	0.8361	1	interleukin 4 induced 1	Cytoplasm	enzyme
9604	GUSBP5	0.209	4.029	0.8587	1	glucuronidase, beta pseudogene 5	Other	other
9605	TNFSF12	0.209	3.878	0.83993	1	tumor necrosis factor (ligand) superfamily, member 12	Extracellular Space	cytokine
9606	WDR67	0.209	4.691	0.78225	1	TBC1 domain family, member 31	Cytoplasm	other
9607	SLC13A4	0.206	2.561	0.91162	1	solute carrier family 13 (sodium/sulfate symporter), member 4	Plasma Membrane	transporter
9608	RPS924	0.206	2.175	1	1	ribosomal protein L5 pseudogene 24	Other	other
9609	USP6N	0.206	4.269	0.87101	1	USP6 N-terminal like	Plasma Membrane	other
9610	ASS3P1	0.205	4.111	0.84874	1	argininosuccinate synthetase 1 pseudogene 1	Other	other
9611	Clorf114	0.205	1.691	1	1	coiled-coil domain containing 181	Nucleus	other
9612	TIH2	0.204	2.243	1	1	inter-alpha-trypsin inhibitor heavy chain 2	Extracellular Space	other
9613	ANP32C	0.203	2.352	1	1	acidic (leucine-rich) nuclear phosphoprotein 32 family, member C	Nucleus	other
9614	CTBP1-AS1	0.203	4.484	0.86668	1	CTBP1 antisense RNA 2 (head to head)	Other	other
9615	POLR2J3	0.203	3.821	0.86143	1	polymerase (RNA) II (DNA directed) polypeptide J3	Other	transcription regulator
9616	SNORA70G	0.202	3.521	0.88134	1	small nucleolar RNA, H/ACA box 70G	Other	other
9617	TG	0.202	2.636	0.93999	1	thyroglobulin	Extracellular Space	other
9618	LST1	0.201	4.561	0.86322	1	leukocyte specific transcript 1	Plasma Membrane	other
9619	MRPL2	0.201	5.097	0.78085	1	mitochondrial ribosomal protein L2	Extracellular Space	other
9620	RSR1	0.201	4.966	0.80326	1	arginine/serine-rich coiled-coil 1	Nucleus	other
9621	CHCHD6	0.200	3.279	0.87006	1	coiled-coil-helix-coiled-coil-helix domain containing 6	Cytoplasm	other
9622	TAF4	0.200	4.427	0.82566	1	TAF4 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 135kDa	Nucleus	transcription regulator
9623	YES1	0.200	3.492	0.90658	1	YES proto-oncogene 1, Src family tyrosine kinase	Cytoplasm	kinase
9624	LYSMD4	0.198	3.626	0.89622	1	LysM, putative peptidoglycan-binding, domain containing 4	Other	other
9625	NAA40	0.198	5.779	0.7835	1	N[alpha]-acetyltransferase 40, Na/D catalytic subunit	Other	other
9626	LSS	0.198	4.967	0.82798	1	lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase)	Cytoplasm	enzyme
9627	PSMC1P9	0.198	2.054	1	1	proteasome (prosome, macropain) 26S subunit, ATPase, 1 pseudogene 9	Other	other
9628	C099P1	0.196	4.665	0.83314	1	CD99 molecule pseudogene 1	Plasma Membrane	other
9629	FAM216A	0.195	4.591	0.83129	1	family with sequence similarity 216, member A	Other	other
9630	BAP1	0.195	6.276	0.78311	1	BRCA1 associated protein-1 (ubiquitin carboxy-terminal hydrolase)	Nucleus	peptidase
9631	LRWD1	0.195	4.309	0.8811	1	leucine-rich repeats and WD repeat domain containing 1	Nucleus	other
9632	MICAL1	0.194	4.923	0.80849	1	MICAL-like 1	Cytoplasm	other
9633	CASP6	0.194	4.896	0.83771	1	caspase 6, apoptosis-related cysteine peptidase	Cytoplasm	peptidase
9634	ZNF831	0.194	3.854	0.93142	1	zinc finger protein 831	Other	other
9635	FAN1	0.193	4.059	0.87966	1	FANCD2/FANCI-associated nuclease 1	Nucleus	enzyme

9636	ZNF846	0.193	4,352	0.86493	1	zinc finger protein 846	Other	other
9637	HSO17B8	0.193	5,114	0.78834	1	hydroxysteroid (17-beta) dehydrogenase 8	Cytoplasm	enzyme
9638	CRY2	0.192	5,962	0.80149	1	cryptochrome circadian clock 2	Nucleus	enzyme
9639	COX7A2P2	0.192	4,371	0.81533	1	cytochrome c oxidase subunit VIIa polypeptide 2 (liver) pseudogene 2	Cytoplasm	enzyme
9640	ISCA1	0.192	5,427	0.77782	1	iron-sulfur cluster assembly 1	Cytoplasm	other
9641	ARMXC4	0.192	3,095	0.87791	1	armadillo repeat containing, X-linked 4	Other	other
9642	SETD6	0.192	5,587	0.79708	1	SET domain containing 6	Nucleus	enzyme
9643	ARNITL2	0.191	2,834	0.90528	1	aryl hydrocarbon receptor nuclear translocator-like 2	Nucleus	transcription regulator
9644	NAP1L1P3	0.191	4,081	0.8445	1	nucleosome assembly protein 1-like 1 pseudogene 3	Other	other
9645	ARFGEF2	0.191	6,164	0.81835	1	ADP-ribosylation factor guanine nucleotide-exchange factor 2 (brefeldin A-inhibited)	Cytoplasm	other
9646	OGDH	0.190	5,658	0.79347	1	oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipamide)	Cytoplasm	enzyme
9647	TAF1B	0.190	5,293	0.7919	1	TATA box binding protein (TBP)-associated factor, RNA polymerase I, B, 63kDa	Nucleus	transcription regulator
9648	DHX32	0.190	5,508	0.7931	1	DEAH (Asp-Glu-Ala-His) box polypeptide 32	Other	enzyme
9649	CLNS1AP1	0.190	2,165	1	1	chloride channel, nucleotide-sensitive, 1A pseudogene 1	Other	other
9650	PCDH12	0.189	3,313	0.92174	1	protocadherin 12	Plasma Membrane	other
9651	PKMP5	0.189	2,169	1	1	pyruvate kinase, muscle pseudogene 5	Other	other
9652	MKL2	0.188	3,574	0.88374	1	MKL/myocardin-like 2	Nucleus	transcription regulator
9653	KIFC2	0.188	2,674	0.94072	1	kinesin family member C2	Cytoplasm	other
9654	DYNC2L1	0.188	3,998	0.85933	1	dynein, cytoplasmic 2, light intermediate chain 1	Cytoplasm	other
9655	GPD2	0.188	5,238	0.81508	1	glycerol-3-phosphate dehydrogenase 2 (mitochondrial)	Cytoplasm	enzyme
9656	PPP2R4	0.188	3,882	0.86284	1	protein phosphatase 2A activator, regulatory subunit 4	Cytoplasm	phosphatase
9657	EDA	0.187	1,663	1	1	ectodysplasin A	Other	cytokine
9658	METTL8	0.187	4,878	0.80689	1	methyltransferase like 8	Other	enzyme
9659	MIR4473	0.185	1,979	1	1	microRNA 4473	Cytoplasm	microRNA
9660	FAM45B	0.185	3,989	0.88924	1	family with sequence similarity 45, member A pseudogene	Other	other
9661	CRIP2	0.184	4,240	0.83353	1	cysteine-rich protein 2	Other	other
9662	BTf3P9	0.183	2,979	0.93264	1	basic transcription factor 3 pseudogene 9	Other	other
9663	HLA-K	0.182	3,446	0.91763	1	major histocompatibility complex, class I, K (pseudogene)	Plasma Membrane	transmembrane receptor
9664	C16orf55	0.182	3,998	0.88677	1	spermatogenesis associated 33	Other	other
9665	NUDT16	0.182	5,313	0.81216	1	nudix (nucleoside diphosphate linked moiety X)-type motif 16	Nucleus	enzyme
9666	FUT11	0.181	5,310	0.78471	1	fucosyltransferase 11 (alpha (1,3) fucosyltransferase)	Cytoplasm	enzyme
9667	FADS1	0.180	4,899	0.86221	1	fatty acid desaturase 1	Plasma Membrane	enzyme
9668	PPP2R5B	0.180	4,566	0.85022	1	protein phosphatase 2, regulatory subunit B', beta	Nucleus	phosphatase
9669	SCUBE3	0.180	3,786	0.86883	1	signal peptide, CUB domain, EGF-like 3	Plasma Membrane	other
9670	EPC2	0.180	5,568	0.78134	1	enhancer of polycomb homolog 2 (Drosophila)	Other	other
9671	FAM118A	0.180	6,578	0.78127	1	family with sequence similarity 118, member A	Other	other
9672	NAIF1	0.180	4,594	0.84159	1	nuclear apoptosis inducing factor 1	Nucleus	other
9673	RPL23AP53	0.179	2,286	1	1	ribosomal protein L23a pseudogene 53	Other	other
9674	DCAF4	0.179	4,648	0.88073	1	DDB1 and CUL4 associated factor 4	Other	other
9675	EFCAB4B	0.179	5,224	0.83657	1	calcium release activated channel regulator 2A	Cytoplasm	other
9676	KCTD11	0.178	4,098	0.91746	1	potassium channel tetramerization domain containing 11	Cytoplasm	other
9677	SMPD4	0.177	5,490	0.80991	1	sphingomyelin phosphodiesterase 4, neutral membrane (neutral sphingomyelinase-3)	Cytoplasm	enzyme
9678	CHST7	0.175	4,241	0.88412	1	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 7	Cytoplasm	enzyme
9679	BEK1	0.175	2,478	1	1	brain expressed, X-linked 1	Other	other
9680	PGCF	0.174	4,579	0.83932	1	phosphatidylglycerol-ether anchor biosynthesis, class F	Cytoplasm	enzyme
9681	CFP76	0.174	4,844	0.83836	1	centrosomal protein 76kDa	Cytoplasm	other
9682	TNFSF8	0.174	5,402	0.86352	1	tumor necrosis factor (ligand) superfamily, member 8	Plasma Membrane	cytokine
9683	FAM221A	0.174	3,594	0.8722	1	family with sequence similarity 221, member A	Other	other
9684	IRF9	0.174	5,341	0.81147	1	interferon regulatory factor 9	Nucleus	transcription regulator
9685	ZNF41	0.174	5,865	0.78295	1	zinc finger protein 41	Nucleus	other
9686	RPL35P5	0.173	2,421	0.89568	1	ribosomal protein L35 pseudogene 5	Other	other
9687	ZDBF2	0.173	5,670	0.86045	1	zinc finger, DBF-type containing 2	Other	other
9688	RPL17	0.173	4,312	0.83493	1	ribosomal protein L17	Cytoplasm	other
9689	RPL39P3	0.173	5,087	0.79784	1	ribosomal protein L39 pseudogene 3	Other	other
9690	NMD3P1	0.172	3,884	0.86541	1	NMD3 ribosome export adaptor pseudogene 1	Other	other
9691	TCF7L1	0.172	2,616	1	1	transcription factor 7-like 1 (T-cell specific, HMG-box)	Nucleus	transcription regulator
9692	ZNF133	0.172	4,798	0.85301	1	zinc finger protein 133	Nucleus	transcription regulator
9693	BGALTL1	0.171	4,285	0.84712	1	UDP-Gal-beta(1-6)GlcNAc-beta 1,4-galactosyltransferase, polypeptide 1	Cytoplasm	enzyme
9694	IMPDH1	0.171	5,458	0.81609	1	IMP (inosine 5'-monophosphate) dehydrogenase 1	Cytoplasm	enzyme
9695	ACY2P	0.170	4,197	0.87824	1	acylphosphatase 2, muscle type	Cytoplasm	enzyme
9696	FAM3	0.170	7,540	0.82775	1	Fas apoptotic inhibitory molecule 3	Plasma Membrane	other
9697	ALS2CR8	0.169	4,915	0.83758	1	calcium responsive transcription factor	Nucleus	transcription regulator
9698	PDCL3	0.169	5,005	0.83226	1	phosducin-like 3	Cytoplasm	other
9699	ZNF391	0.169	4,012	0.92467	1	zinc finger protein 391	Other	other
9700	CDKAL1	0.168	5,550	0.80486	1	CDK5 regulatory subunit associated protein 1-like 1	Cytoplasm	other
9701	UHRF1BP1	0.168	5,681	0.8003	1	UHRF1 binding protein 1	Other	other
9702	NEXN	0.168	2,917	0.93688	1	nexilin (F-actin binding protein)	Plasma Membrane	other
9703	TOLLIP	0.167	5,823	0.78758	1	tolli interacting protein	Cytoplasm	other
9704	AKAP7	0.167	4,680	0.86243	1	A kinase (PRKA) anchor protein 7	Plasma Membrane	other
9705	ZBTB8A	0.166	2,334	1	1	zinc finger and BTB domain containing 8A	Nucleus	other
9706	PLEKHM3	0.166	4,333	0.87795	1	pleckstrin homology domain containing, family M, member 3	Other	other
9707	PIPF5K1	0.165	4,418	0.89604	1	diphosphoinositol pentakisphosphate kinase 1	Nucleus	phosphatase
9708	EEFSEC	0.165	5,611	0.80446	1	eukaryotic elongation factor, selenocysteine-tRNA-specific	Cytoplasm	translation regulator
9709	HRSP12	0.165	3,688	0.89217	1	heat-responsive protein 12	Cytoplasm	enzyme
9710	KIAA0182	0.165	6,121	0.78588	1	Gse1 coiled-coil protein	Extracellular Space	other
9711	ZNF782	0.165	4,627	0.84034	1	zinc finger protein 782	Cytoplasm	other
9712	MYL6P2	0.164	2,559	1	1	myosin, light chain 6 pseudogene 2	Other	other
9713	BORA	0.163	4,171	0.86168	1	bora, aurora kinase A activator	Cytoplasm	other
9714	ZNF200	0.163	5,458	0.81344	1	zinc finger protein 200	Nucleus	other
9715	MAP4K3	0.162	5,017	0.84667	1	mitogen-activated protein kinase kinase kinase 3	Other	kinase
9716	GMDS	0.161	4,537	0.89655	1	GDP-mannose 4,6-dehydratase	Cytoplasm	enzyme
9717	NAAG60	0.161	5,179	0.82011	1	N-omega-acetyltransferase 60, Naif catalytic subunit	Cytoplasm	enzyme
9718	EMR2	0.161	5,117	0.88663	1	adhesion G protein-coupled receptor E2	Plasma Membrane	other
9719	UCK1	0.161	5,599	0.84118	1	uridine-cytidine kinase 1	Cytoplasm	kinase
9720	CLN5	0.160	5,270	0.83167	1	ceroid-lipofuscinosis, neuronal 5	Cytoplasm	other
9721	SLC25A15	0.160	4,080	0.90504	1	solute carrier family 25 (mitochondrial carrier, ornithine transporter) member 15	Cytoplasm	transporter
9722	FAM83G	0.160	4,652	0.87404	1	family with sequence similarity 83, member G	Other	other
9723	FANCI	0.160	4,014	0.87948	1	Fanconi anemia, complementation group I	Nucleus	other
9724	GALK1	0.159	4,665	0.84177	1	galactokinase 1	Cytoplasm	kinase
9725	LRCH1	0.159	5,524	0.82301	1	leucine-rich repeats and calponin homology (CH) domain containing 1	Other	other
9726	NDUF81	0.159	4,778	0.82619	1	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1, 7kDa	Cytoplasm	enzyme
9727	RPL39P9	0.158	4,431	0.84437	1	ribosomal protein L3 pseudogene 9	Other	other
9728	COL4A3	0.158	3,928	0.90389	1	collagen, type IV, alpha 3 (Goodpasture antigen)	Extracellular Space	other
9729	GFMD2	0.158	5,993	0.79669	1	G elongation factor, mitochondrial 2	Cytoplasm	translation regulator
9730	GOSR1	0.158	6,611	0.78115	1	gaglig SNAP receptor complex member 1	Cytoplasm	transporter
9731	EEF1DP5	0.157	3,338	0.89781	1	eukaryotic translation elongation factor 1 delta pseudogene 5	Other	other
9732	ARL6	0.156	3,532	0.93908	1	ADP-ribosylation factor-like 6	Cytoplasm	transporter
9733	POLRMT	0.155	5,095	0.83358	1	polymerase (RNA) mitochondrial (DNA directed)	Cytoplasm	enzyme
9734	CHIC2	0.155	5,871	0.78986	1	cysteine-rich hydrophobic domain 2	Plasma Membrane	other
9735	NME3	0.155	4,996	0.85406	1	NME/NUM2 nucleoside diphosphate kinase 3	Cytoplasm	kinase
9736	C1orf114	0.155	5,702	0.81525	1	chromosome 9 open reading frame 114	Nucleus	other
9737	BRF1	0.155	4,826	0.8796	1	BRF1, RNA polymerase III transcription initiation factor 90 kDa subunit	Nucleus	transcription regulator
9738	NRIP2	0.154	3,336	0.91476	1	nuclear receptor interacting protein 2	Nucleus	transcription regulator
9739	SCAND2	0.154	3,255	0.91843	1	SCAN domain containing 2 pseudogene	Nucleus	transcription regulator
9740	UBZV1P2	0.154	3,690	0.91915	1	ubiquitin-conjugating enzyme E2 variant 1 pseudogene 2	Other	other
9741	RPS3P6	0.154	4,997	0.8232	1	ribosomal protein S3 pseudogene 6	Other	other
9742	IGBP1P5	0.154	1,988	1	1	immunoglobulin (CD79A) binding protein 1 pseudogene 5	Other	other
9743	TARS2	0.153	5,651	0.80574	1	threonyl-tRNA synthetase 2, mitochondrial (putative)	Cytoplasm	enzyme
9744	SEMA4B	0.152	4,520	0.93357	1	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4B	Plasma Membrane	other
9745	PICK1	0.152	3,336	0.92143	1	protein interacting with PRKCA 1	Cytoplasm	enzyme
9746	HABP4	0.151	4,990	0.86062	1	hyaluronan binding protein 4	Cytoplasm	other
9747	CCDC167	0.151	5,589	0.82216	1	coiled-coil domain containing 167	Other	other
9748	MYL6P1	0.150	3,155	0.94216	1	myosin, light chain 6 pseudogene 1	Other	other
9749	PYG02	0.150	5,753	0.82327	1	pygopus family PHD finger 2	Nucleus	other
9750	PLCD1	0.149	5,507	0.83841	1	phospholipase C, delta 1	Cytoplasm	enzyme
9751	MASTL	0.149	5,198	0.88729	1	microtubule associated serine/threonine kinase-like	Cytoplasm	kinase
9752	C16orf53	0.149	3,751	0.92373	1	PAXIP1 associated glutamate-rich protein 1	Nucleus	other
9753	SRGAP2C	0.149	3,398	0.90209	1	SULT-ROBO Rho GTPase activating protein 2C	Other	other
9754	AP2L1	0.148	5,672	0.84584	1	AP2 transcript, XBP activator (non-protein coding)	Other	other
9755	TASP1	0.148	5,329	0.85024	1	taspace, threonine asparagine, 1	Nucleus	peptidase
9756	ADAMTS6	0.146	3,500	0.96774	1	ADAM metalloproteinase with thrombospondin type 1 motif, 6	Extracellular Space	peptidase
9757	LPAR5	0.146	4,178	0.89044	1	lysophosphatidic acid receptor 5	Plasma Membrane	G-protein coupled receptor
9758	FAM103A2	0.146	3,145	0.8844	1	family with sequence similarity 103, member A2 pseudogene	Other	other
9759	RPL13P2	0.146	3,547	0.91488	1	ribosomal protein L13 pseudogene 2	Other	other
9760	PAPOLB	0.146	2,079	1	1	poly(A) polymerase beta (testis specific)	Nucleus	enzyme
9761	ZNF324	0.146	5,074	0.84078	1	zinc finger protein 324	Nucleus	other
9762	RBM27	0.146	4,479	0.87446	1	RNA binding motif protein 27	Nucleus	other
9763	MXD3	0.146	3,812	0.89928	1	MAX dimerization protein 3	Nucleus	transcription regulator
9764	STARDA	0.144	8,496	0.81139	1	STAR-related lipid transfer (START) domain containing 4	Cytoplasm	transporter
9765	HEATR7A	0.144	4,969	0.88446	1	heastro heat-like repeat family member 1	Other	other
9766	HSP90B3P	0.144	5,037	0.84851	1	heat shock protein 90Da beta (Grp94), member 3, pseudogene	Other	other
9767	GSTO3P	0.144	2,535	1	1	glutathione S-transferase omega 3, pseudogene	Other	other

9768	HEATR5A	0.144	4,321	0.88202	1	HEAT repeat containing 5A	Other	other
9769	MRP531P3	0.143	3,340	0.92725	1	mitochondrial ribosomal protein S31 pseudogene 5	Other	other
9770	EDC4	0.143	5,225	0.84049	1	enhancer of mRNA decapping 4	Cytoplasm	other
9771	CRYBB2P1	0.143	5,732	0.82255	1	crystallin, beta B2 pseudogene 1	Other	other
9772	RPL6P27	0.142	4,730	0.86398	1	ribosomal protein L6 pseudogene 27	Other	other
9773	NUOT7	0.142	2,868	0.93548	1	nudix (nucleoside diphosphate linked moiety X)-type motif 7	Cytoplasm	other
9774	DIS3L2	0.142	4,954	0.88443	1	DIS3 like 3'-5' exonuclease 2	Cytoplasm	enzyme
9775	PTGES3P3	0.142	2,734	0.91812	1	prostaglandin G synthase 3 (cytosolic) pseudogene 3	Other	other
9776	TECR	0.142	6,217	0.7921	1	trans-2,3-enoyl-CoA reductase	Plasma Membrane	enzyme
9777	SLC38A5	0.141	4,199	0.93885	1	solute carrier family 38, member 5	Plasma Membrane	transporter
9778	SLC4A8	0.141	3,617	0.93136	1	solute carrier family 4, sodium bicarbonate cotransporter, member 8	Plasma Membrane	transporter
9779	Xcorf58	0.141	2,154	1	1	chromosome X open reading frame 58	Other	other
9780	PIGQ	0.140	4,221	0.93003	1	phosphatidylinositol glycan anchor biosynthesis, class Q	Cytoplasm	enzyme
9781	TSC2D2	0.140	6,406	0.79336	1	TSC22 domain family, member 2	Extracellular Space	other
9782	ATL2	0.140	5,489	0.82269	1	atlantin GTPase 2	Cytoplasm	other
9783	ZKSCAN3	0.140	4,265	0.91735	1	zinc finger with KRAB and SCAN domains 3	Nucleus	transcription regulator
9784	LINC00299	0.139	3,688	0.93797	1	long Intergenic non-protein coding RNA 299	Other	other
9785	GLCE	0.139	3,978	0.91607	1	glucuronic acid epimerase	Cytoplasm	enzyme
9786	C6orf226	0.139	4,092	0.9075	1	chromosome 6 open reading frame 226	Other	other
9787	RTT1	0.138	5,892	0.83316	1	Rac-like without CAAN 1	Plasma Membrane	enzyme
9788	ZCCHC7	0.138	6,561	0.78432	1	zinc finger, CCHC domain containing 7	Nucleus	other
9789	HYLS1	0.138	4,019	0.91993	1	hydrolethallus syndrome 1	Nucleus	other
9790	PIGG	0.137	6,574	0.80171	1	phosphatidylinositol glycan anchor biosynthesis, class G	Cytoplasm	enzyme
9791	APOLD1	0.137	2,513	1	1	apolipoprotein L domain containing 1	Other	other
9792	NEIL2	0.137	4,631	0.89761	1	nei endonuclease VIII-like 2 (E. coli)	Nucleus	enzyme
9793	C19orf24	0.137	5,054	0.85526	1	chromosome 19 open reading frame 24	Other	other
9794	UBTD1	0.136	3,225	0.96195	1	ubiquitin domain containing 1	Other	other
9795	TPTP1	0.136	3,830	0.93494	1	transmembrane phosphatase with tensin homology pseudogene 1	Other	other
9796	LONP2	0.135	7,096	0.79174	1	ion peptidase 2, peroxisomal	Cytoplasm	peptidase
9797	LEM03	0.135	6,646	0.80573	1	LEM domain containing 3	Nucleus	other
9798	ENDOD1	0.135	5,410	0.88473	1	endonuclease domain containing 1	Extracellular Space	enzyme
9799	CNYY	0.135	6,443	0.77801	1	cyclin Y	Nucleus	other
9800	BRX2	0.135	2,047	1	1	BR serine/threonine kinase 2	Cytoplasm	kinase
9801	CTAGE1	0.135	2,059	1	1	cutaneous T-cell lymphoma-associated antigen 1	Other	other
9802	EBP1	0.135	5,578	0.82135	1	EB domain binding protein 1	Cytoplasm	other
9803	RNF207	0.134	4,628	0.92616	1	ring finger protein 207	Other	other
9804	PUS10	0.134	4,473	0.90265	1	pseudouridylate synthase 10	Other	other
9805	TRDJ2	0.134	2,195	1	1	T cell receptor delta joining 2	Other	other
9806	C7orf43	0.134	3,154	0.94538	1	chromosome 7 open reading frame 43	Other	other
9807	PLAGL1	0.134	5,946	0.87105	1	pleiomorphic adenoma gene-like 1	Nucleus	transcription regulator
9808	CMPK2	0.134	5,974	0.89436	1	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	Cytoplasm	kinase
9809	DDX198	0.134	5,364	0.84063	1	DEAD (Asp-Glu-Ala-Asp) box polypeptide 198	Nucleus	enzyme
9810	ZNF496	0.133	4,657	0.87964	1	zinc finger protein 496	Nucleus	transcription regulator
9811	NOA49P47	0.133	6,741	0.78846	1	interactor of little elongation complex ELL subunit 1	Nucleus	other
9812	DANDV	0.132	4,357	0.90524	1	dystrophic myotonia, WD repeat containing	Nucleus	other
9813	UBAS2P5	0.132	4,616	0.85744	1	ubiquitin A-53 residue ribosomal protein fusion product 1 pseudogene 5	Other	other
9814	KHL5	0.132	5,868	0.81371	1	kelch-like family member 5	Extracellular Space	other
9815	SULT1A1	0.132	3,524	0.92954	1	sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1	Cytoplasm	enzyme
9816	RNF181	0.132	6,138	0.78974	1	ring finger protein 181	Other	enzyme
9817	ERLUN2	0.131	4,656	0.88884	1	ER lipid raft associated 2	Plasma Membrane	other
9818	RPL23AP2	0.131	3,148	0.94159	1	ribosomal protein L23a pseudogene 2	Other	other
9819	RPL30P14	0.131	3,759	0.92354	1	ribosomal protein L30 pseudogene 14	Other	other
9820	HSPA13	0.131	7,542	0.79627	1	heat shock protein 70kDa family, member 13	Cytoplasm	other
9821	CENPC1P1	0.130	4,898	0.88016	1	centromere protein C pseudogene 1	Nucleus	other
9822	LINC00471	0.130	2,266	1	1	long Intergenic non-protein coding RNA 471	Other	other
9823	SNRPG	0.130	5,133	0.85731	1	small nuclear ribonucleoprotein polypeptide G	Nucleus	other
9824	URB1	0.130	4,195	0.92635	1	URB1 ribosome biogenesis 1 homolog (S. cerevisiae)	Nucleus	other
9825	CLCN6	0.130	5,011	0.90592	1	chloride channel, voltage-sensitive 6	Plasma Membrane	ion channel
9826	SMCR7	0.130	3,389	0.93917	1	mitochondrial elongation factor 2	Cytoplasm	other
9827	HSDL1	0.129	5,470	0.84687	1	hydroxysteroid dehydrogenase like 1	Cytoplasm	enzyme
9828	RARA	0.129	4,844	0.90854	1	retinoic acid receptor, alpha	Nucleus	ligand-dependent nuclear receptor
9829	FRY-AS1	0.129	2,590	0.92574	1	FRY antisense RNA 1	Other	other
9830	GDPD3	0.129	2,318	1	1	glycerophosphodiester phosphodiesterase domain containing 3	Cytoplasm	enzyme
9831	MAZ	0.128	3,503	0.95567	1	MYC-associated zinc finger protein (purine-binding transcription factor)	Nucleus	transcription regulator
9832	FAM3A	0.128	5,422	0.84002	1	family with sequence similarity 3, member A	Extracellular Space	other
9833	ZZF1	0.128	6,470	0.78744	1	zinc finger, ZZ-type with EF-hand domain 1	Other	other
9834	OTUD4	0.128	6,678	0.8011	1	OTU deubiquitinase 4	Other	peptidase
9835	LANCL3	0.127	3,112	0.95701	1	LANC lantibiotic synthetase component C-like 3 (bacterial)	Other	other
9836	KBNE	0.127	5,437	0.86446	1	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon	Cytoplasm	kinase
9837	MRAS	0.127	1,893	1	1	muscle RAS oncogene homolog	Plasma Membrane	enzyme
9838	MPA2	0.126	2,191	1	1	inositol(myo)-[1or 4]-monophosphatase 2	Cytoplasm	phosphatase
9839	NIN	0.126	6,979	0.81616	1	ninein (GSK3B interacting protein)	Cytoplasm	other
9840	ANKRA2	0.126	5,912	0.81967	1	ankyrin repeat, family A (RFKANK-like), 2	Cytoplasm	transcription regulator
9841	C5orf45	0.125	5,510	0.86	1	chromosome 5 open reading frame 45	Other	other
9842	ZNF597	0.125	4,369	0.93599	1	zinc finger protein 597	Nucleus	other
9843	DRAM2	0.125	6,628	0.79911	1	DNA-damage regulated autophagy modulator 2	Cytoplasm	other
9844	ZSWIM4	0.125	3,288	0.95694	1	zinc finger, SWIM-type containing 4	Other	other
9845	POLD3	0.124	5,160	0.87446	1	polymerase (DNA-directed), delta 3, accessory subunit	Nucleus	transcription regulator
9846	LRRC8A	0.124	5,740	0.86014	1	leucine rich repeat containing 8 family, member A	Extracellular Space	other
9847	C12orf44	0.124	5,161	0.86877	1	autophagy related 101	Other	other
9848	EIF4G3	0.124	6,981	0.80762	1	eukaryotic translation initiation factor 4 gamma, 3	Cytoplasm	translation regulator
9849	ELMO2	0.123	1,955	1	1	equilibrant and cell motility 2	Cytoplasm	other
9850	Xcorf56	0.123	3,939	0.89843	1	chromosome X open reading frame 56	Extracellular Space	other
9851	DDX28	0.123	5,621	0.84368	1	DEAD (Asp-Glu-Ala-Asp) box polypeptide 28	Nucleus	enzyme
9852	LMBR1L	0.122	5,571	0.85868	1	limb development membrane protein 1-like	Plasma Membrane	other
9853	MCMBP	0.122	6,803	0.7843	1	minichromosome maintenance complex binding protein	Nucleus	other
9854	PLCG1	0.122	5,542	0.86496	1	phospholipase C, gamma 1	Cytoplasm	enzyme
9855	SLC30A6	0.122	6,157	0.7989	1	solute carrier family 30 (zinc transporter), member 6	Cytoplasm	transporter
9856	MYO1D	0.122	4,260	0.91612	1	myosin 1D	Plasma Membrane	other
9857	GAS6	0.122	2,137	1	1	growth arrest-specific 6	Extracellular Space	growth factor
9858	NR2C2	0.121	6,872	0.80189	1	nuclear receptor subfamily 2, group C, member 2	Nucleus	ligand-dependent nuclear receptor
9859	PIGH	0.121	5,990	0.82826	1	phosphatidylinositol glycan anchor biosynthesis, class H	Cytoplasm	enzyme
9860	NKAP	0.121	5,543	0.85319	1	NKX activating protein	Nucleus	transcription regulator
9861	BARP1	0.120	5,693	0.86578	1	BRCA1 associated RING domain 1	Nucleus	transcription regulator
9862	RSPH9	0.120	2,633	1	1	radial spoke head 9 homolog (Chlamydomonas)	Other	other
9863	PROCR	0.119	1,989	1	1	protein C receptor, endothelial	Plasma Membrane	other
9864	ZDHHC4P1	0.119	1,989	1	1	zinc finger, DHHC-type containing 4 pseudogene 1	Other	other
9865	EMC9	0.119	4,680	0.89409	1	ER membrane protein complex subunit 9	Plasma Membrane	other
9866	FRY	0.119	7,731	0.8812	1	furry homolog (Drosophila)	Extracellular Space	other
9867	UQCRCF51	0.119	6,393	0.80526	1	ubiquinol-cytochrome c reductase, Rieske iron-sulfur polypeptide 1	Cytoplasm	enzyme
9868	PITPNB	0.119	7,755	0.77764	1	phosphatidylinositol transfer protein, beta	Cytoplasm	transporter
9869	SEC11C	0.119	7,337	0.79557	1	SEC11 homolog C (S. cerevisiae)	Cytoplasm	peptidase
9870	RPS19P1	0.119	6,434	0.79978	1	ribosomal protein S19 pseudogene 1	Other	other
9871	RGCC	0.118	6,829	0.84925	1	regulator of cell cycle	Cytoplasm	other
9872	ATP5H	0.118	5,644	0.84502	1	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit d	Cytoplasm	enzyme
9873	SOX6	0.118	2,757	1	1	SOX (sex determining region Y)-box 6	Nucleus	transcription regulator
9874	MAP4K1	0.118	6,613	0.82628	1	mitogen-activated protein kinase kinase kinase kinase 1	Cytoplasm	kinase
9875	PTPN2	0.118	7,070	0.79074	1	protein tyrosine phosphatase, non-receptor type 2	Cytoplasm	phosphatase
9876	FUT10	0.117	4,410	0.91929	1	fucosyltransferase 10 (alpha (1,3) fucosyltransferase)	Cytoplasm	enzyme
9877	PLEKHF2	0.117	5,918	0.83805	1	pleckstrin homology domain containing, family F (with FYVE domain) member 2	Cytoplasm	other
9878	VAPB	0.116	6,372	0.82935	1	VAMP (vesicle-associated membrane protein)-associated protein B and C	Plasma Membrane	other
9879	RAI1	0.116	3,964	0.94234	1	retinoic acid induced 1	Cytoplasm	other
9880	TSPAN17	0.116	3,593	0.97056	1	tetraspanin 17	Other	enzyme
9881	OFD1P17	0.116	5,070	0.87076	1	OFD1 pseudogene 17	Other	other
9882	ATG2A	0.116	5,127	0.90025	1	autophagy related 2A	Plasma Membrane	other
9883	ZNF284	0.116	3,840	0.92703	1	zinc finger protein 284	Other	other
9884	CBX3P2	0.116	2,530	1	1	chromobox homolog 3 pseudogene 2	Other	other
9885	ZBTB48	0.115	5,618	0.86008	1	zinc finger and BTB domain containing 48	Nucleus	transcription regulator
9886	LCT2	0.114	3,982	0.94983	1	epithelial cell transforming 2	Cytoplasm	other
9887	AKT2	0.114	4,689	0.91592	1	v-akt murine thymoma viral oncogene homolog 2	Cytoplasm	kinase
9888	MED12L	0.114	3,247	1	1	mediator complex subunit 12-like	Extracellular Space	other
9889	NLRX1	0.113	4,928	0.88291	1	NLR family member X1	Cytoplasm	other
9890	RIOK2	0.113	6,496	0.82209	1	RIO kinase 2	Other	kinase
9891	TXNDC9	0.113	6,221	0.83763	1	thioredoxin domain containing 9	Cytoplasm	other
9892	SEC14L2	0.113	2,888	1	1	SEC14-like 2 (S. cerevisiae)	Cytoplasm	transporter
9893	ATPAF2	0.113	5,035	0.90298	1	ATP synthase mitochondrial F1 complex assembly factor 2	Cytoplasm	other
9894	GANAB	0.113	7,033	0.84044	1	glucosidase, alpha, neutral A8	Cytoplasm	enzyme
9895	TRIM59	0.112	4,104	0.94014	1	tripartite motif containing 59	Cytoplasm	other
9896	NSUN3	0.112	5,454	0.88436	1	NOP2/Sun domain family, member 3	Other	other
9897	TM41	0.112	7,234	0.80175	1	thioredoxin-related transmembrane protein 1	Cytoplasm	enzyme
9898	TMEM135	0.112	4,292	0.92302	1	transmembrane protein 135	Other	other
9899	KCNAB1	0.111	4,390	0.92346	1	potassium channel, voltage gated subfamily A regulatory beta subunit 1	Plasma Membrane	ion channel

9900	STAG3L4	0.111	5.248	0.88348	1	stromal antigen 3-like 4 (pseudogene)	Other	other
9901	RWDD4P2	0.111	2.839	1	1	RWD domain containing 4 pseudogene 2	Other	other
9902	NUDCD3	0.111	7.241	0.78532	1	NudC domain containing 3	Other	other
9903	ZNF667	0.111	4.053	0.96007	1	zinc finger protein 667	Nucleus	other
9904	CEP104	0.111	6.377	0.82179	1	centrosomal protein 104kDa	Cytoplasm	other
9905	USP33	0.110	8.063	0.78363	1	ubiquitin specific peptidase 33	Cytoplasm	peptidase
9906	LAP3	0.110	6.065	0.88348	1	leucine aminopeptidase 3	Cytoplasm	peptidase
9907	PTPN6	0.110	7.216	0.81903	1	protein tyrosine phosphatase, non-receptor type 6	Cytoplasm	phosphatase
9908	DGCR14	0.109	5.264	0.90588	1	Digeorge syndrome critical region gene 14	Nucleus	other
9909	TMEM241	0.109	3.465	0.95987	1	transmembrane protein 241	Other	other
9910	SCFD1	0.109	7.559	0.78489	1	sec1 family domain containing 1	Cytoplasm	transporter
9911	NSMCE1	0.109	7.571	0.79986	1	non-SMC element 1 homolog (S. cerevisiae)	Nucleus	transporter
9912	STAU1	0.109	6.864	0.79576	1	staufen double-stranded RNA binding protein 1	Cytoplasm	transporter
9913	YLPM1	0.109	7.142	0.7823	1	YLP motif containing 1	Nucleus	other
9914	GBA2	0.109	6.831	0.82447	1	glucosidase, beta (bile acid) 2	Cytoplasm	enzyme
9915	BTG2	0.108	7.592	0.78185	1	BTG family, member 2	Nucleus	transcription regulator
9916	XYLT2	0.108	4.185	0.94274	1	xylosyltransferase II	Other	enzyme
9917	EXOSC9	0.108	6.212	0.84929	1	exosome component 9	Nucleus	enzyme
9918	MPG	0.108	5.438	0.86143	1	N-methylpurine-DNA glycosylase	Nucleus	enzyme
9919	SNBO2	0.108	3.907	0.96953	1	slowworm notch homolog 2 (Drosophila)	Other	transcription regulator
9920	TRAPP6B	0.108	6.521	0.81786	1	trafficking protein particle complex 6B	Cytoplasm	other
9921	DPY30	0.108	5.802	0.86854	1	dpy-30 homolog (C. elegans)	Nucleus	other
9922	RECK	0.107	4.682	0.8966	1	reversion-inducing-cysteine-rich protein with kazal motifs	Plasma Membrane	other
9923	CECR1	0.107	5.794	0.86035	1	cat eye syndrome chromosome region, candidate 1	Extracellular Space	enzyme
9924	TMEM18	0.107	5.903	0.86955	1	transmembrane protein 18	Nucleus	other
9925	MYPOP	0.107	2.139	1	1	Myb-related transcription factor, partner of profilin	Nucleus	transcription regulator
9926	SEC11A	0.107	7.033	0.78652	1	SEC11 homolog A (S. cerevisiae)	Cytoplasm	peptidase
9927	RPL18P1	0.106	3.922	0.93175	1	ribosomal protein L18 pseudogene 11	Other	other
9928	MRPL48	0.106	5.343	0.89323	1	mitochondrial ribosomal protein L48	Cytoplasm	other
9929	BCL2A1	0.106	3.783	0.9397	1	BCL2-related protein A1	Cytoplasm	other
9930	ZNF853	0.106	4.439	0.95077	1	zinc finger protein 853	Other	other
9931	DOCK10	0.106	7.872	0.80586	1	dedicator of cytokinesis 10	Cytoplasm	other
9932	MYO5A	0.106	6.201	0.85197	1	myosin VA (heavy chain 12, myosin)	Cytoplasm	enzyme
9933	EV12A	0.106	6.645	0.80876	1	ectopic viral integration site 2A	Plasma Membrane	transmembrane receptor
9934	IDH3A	0.105	5.664	0.89669	1	isocitrate dehydrogenase 3 (NAD+) alpha	Cytoplasm	enzyme
9935	PIPSK1C	0.105	4.987	0.9143	1	phosphatidylinositol-4-phosphate 5-kinase, type I, gamma	Plasma Membrane	kinase
9936	C11orf9	0.105	4.521	0.946	1	myelin regulatory factor	Nucleus	transcription regulator
9937	PARL	0.105	6.375	0.82135	1	presenilin associated, rhomboid-like	Cytoplasm	peptidase
9938	MAP2K2	0.105	6.959	0.82234	1	mitogen-activated protein kinase kinase 2	Cytoplasm	kinase
9939	SENP6	0.105	7.602	0.78229	1	SUMO1/sentin specific peptidase 6	Cytoplasm	peptidase
9940	APEX2	0.105	6.098	0.85134	1	APEX nuclease (apurinic/apyrimidinic endonuclease) 2	Nucleus	enzyme
9941	SYDE2	0.104	3.744	0.97334	1	synapse defective 1, Rho GTPase, homolog 2 (C. elegans)	Cytoplasm	other
9942	PPP2R3B	0.104	4.919	0.90497	1	protein phosphatase 2, regulatory subunit B'', beta	Nucleus	phosphatase
9943	MR374B	0.104	2.027	1	1	microRNA 374a	Cytoplasm	microRNA
9944	DD50	0.103	6.986	0.81215	1	DEAD (Asp-Glu-Ala-Asp) box polypeptide 50	Nucleus	enzyme
9945	DDX56	0.103	7.470	0.81164	1	DEAD (Asp-Glu-Ala-Asp) box helicase 56	Nucleus	enzyme
9946	C1orf66	0.103	2.716	1	1	chromosome 9 open reading frame 66	Other	other
9947	CLIC1P1	0.103	4.616	0.90607	1	chloride intracellular channel 1 pseudogene 1	Other	other
9948	HSPD1P5	0.103	2.687	1	1	heat shock 60kDa protein 1 (chaperonin) pseudogene 5	Other	other
9949	TSNARE1	0.103	3.923	0.94863	1	t-SNARE domain containing 1	Other	other
9950	BAZ1A	0.103	8.199	0.77793	1	bromodomain adjacent to zinc finger domain, 1A	Nucleus	other
9951	SLC28A7	0.103	4.290	0.93653	1	solute carrier family 38, member 7	Plasma Membrane	transporter
9952	EIF2AK1	0.103	7.497	0.78253	1	eukaryotic translation initiation factor 2-alpha kinase 1	Cytoplasm	kinase
9953	AKTIP	0.103	6.022	0.84914	1	AKT interacting protein	Cytoplasm	other
9954	ZNF408	0.103	5.489	0.89132	1	zinc finger protein 408	Nucleus	other
9955	REEF4	0.103	5.295	0.90643	1	receptor accessory protein 4	Cytoplasm	other
9956	PRORSO1P	0.102	4.262	0.95519	1	poly(r)-RNA synthetase associated domain containing 1, pseudogene	Other	other
9957	HP51	0.102	7.154	0.78901	1	Hermansky-Pudlak syndrome 1	Cytoplasm	other
9958	CHSY1	0.102	5.593	0.89643	1	chondroitin sulfate synthase 1	Cytoplasm	enzyme
9959	DPY19L2	0.102	4.846	0.89772	1	dpy-19-like 2 (C. elegans)	Nucleus	other
9960	INTS6	0.102	7.581	0.78188	1	integrator complex subunit 6	Nucleus	enzyme
9961	OSBP	0.101	7.617	0.78116	1	oxysterol binding protein	Cytoplasm	other
9962	MTMR6	0.101	7.007	0.84945	1	myotubularin related protein 6	Cytoplasm	phosphatase
9963	RPS15AP1	0.101	4.288	0.94393	1	ribosomal protein S15a pseudogene 1	Other	other
9964	CASP9	0.101	4.795	0.92917	1	caspase 9, apoptosis-related cysteine peptidase	Cytoplasm	peptidase
9965	FAM178A	0.101	7.394	0.80844	1	family with sequence similarity 178, member A	Extracellular Space	other
9966	FAM57A	0.101	3.638	0.97196	1	family with sequence similarity 57, member A	Plasma Membrane	other
9967	SPHK1	0.101	5.310	0.89748	1	sphingosine kinase 1	Cytoplasm	kinase
9968	ZNF747	0.100	3.889	0.93887	1	zinc finger protein 747	Other	other
9969	PPP1R3D	0.100	3.551	0.95889	1	protein phosphatase 1, regulatory subunit 3D	Cytoplasm	phosphatase
9970	COG8	0.100	5.023	0.88762	1	component of oligomeric golgi complex 8	Cytoplasm	transporter
9971	C1orf23	0.100	6.181	0.84814	1	chromosome X open reading frame 23	Other	other
9972	FAM108A1	0.100	4.405	0.92762	1	abhydrolase domain containing 17A	Other	enzyme
9973	SURF6	0.100	5.215	0.89884	1	surfeit 6	Nucleus	other
9974	COMM07	0.099	7.360	0.81023	1	COMM domain containing 7	Cytoplasm	other
9975	SAR1A	0.099	7.414	0.81649	1	secretion associated, Ras related GTPase 1A	Cytoplasm	enzyme
9976	LAS1L	0.099	6.410	0.84654	1	LAS1-like (S. cerevisiae)	Nucleus	other
9977	COASY	0.099	5.915	0.87107	1	CoA synthase	Cytoplasm	kinase
9978	SETD9	0.099	2.766	1	1	SET domain containing 9	Other	other
9979	CHD7	0.099	8.050	0.82662	1	chromodomain helicase DNA binding protein 7	Nucleus	enzyme
9980	NIPBL	0.098	8.604	0.78844	1	Nipped-B homolog (Drosophila)	Nucleus	transcription regulator
9981	CCDC12	0.098	7.047	0.79817	1	coiled-coil domain containing 12	Other	other
9982	ZC3HC1	0.098	5.854	0.86888	1	zinc finger, C3HC-type containing 1	Nucleus	other
9983	KRAS	0.098	7.214	0.8093	1	Kirsten rat sarcoma viral oncogene homolog	Cytoplasm	enzyme
9984	RAPGEF1	0.098	6.084	0.86927	1	Rap guanine nucleotide exchange factor (GEF) 1	Cytoplasm	other
9985	PTP2	0.098	4.584	0.94816	1	camitine palmitoyltransferase 2	Cytoplasm	enzyme
9986	PDS5A	0.098	7.918	0.79521	1	PDS5 cohesin associated factor A	Nucleus	other
9987	H3F3C	0.098	5.910	0.86801	1	H3 histone, family 3C	Other	other
9988	ZNF799	0.097	4.589	0.94063	1	zinc finger protein 799	Other	other
9989	NKAPP1	0.097	3.433	1	1	NFKB activating protein pseudogene 1	Other	other
9990	CCR9	0.097	4.997	0.93761	1	chemokine (C-C motif) receptor 9	Plasma Membrane	G-protein coupled receptor
9991	CRK	0.097	6.993	0.81246	1	v-crk avian sarcoma virus CT10 oncogene homolog	Cytoplasm	other
9992	ZNF252P	0.097	4.805	0.94365	1	zinc finger protein 252, pseudogene	Other	other
9993	GADD45B	0.097	7.340	0.81208	1	growth arrest and DNA-damage-inducible, beta	Cytoplasm	other
9994	TM7SF3	0.096	6.198	0.85997	1	transmembrane 7 superfamily member 3	Plasma Membrane	other
9995	RNF43	0.096	4.392	0.93081	1	ring finger protein 43	Plasma Membrane	enzyme
9996	KIAA1191	0.096	6.942	0.81989	1	KIAA1191	Cytoplasm	other
9997	ZBTB80S	0.096	5.267	0.90192	1	zinc finger and BTB domain containing 8 opposite strand	Cytoplasm	other
9998	DNAJB12	0.096	6.465	0.83619	1	DnaJ (Hsp40) homolog, subfamily B, member 12	Cytoplasm	other
9999	C1orf44	0.096	5.543	0.89122	1	trafficking protein particle complex 13	Other	other
10000	PM20D2	0.095	4.908	0.90388	1	peptidase M20 domain containing 2	Nucleus	other
10001	DUTP6	0.095	2.162	1	1	deoxyuridine triphosphatase pseudogene 6	Other	other
10002	TTC24	0.095	2.029	1	1	tetratricopeptide repeat domain 24	Other	other
10003	SMPD3	0.095	2.254	1	1	sphingomyelin phosphodiesterase 3, neutral membrane (neutral sphingomyelinase II)	Cytoplasm	enzyme
10004	EMB	0.095	7.956	0.80339	1	embigin	Plasma Membrane	other
10005	C11orf80	0.094	3.302	1	1	chromosome 11 open reading frame 80	Other	other
10006	RIOK1	0.094	6.707	0.84803	1	RIO kinase 1	Other	kinase
10007	PHF5A	0.094	3.463	0.96461	1	PHD finger protein 5A	Nucleus	transcription regulator
10008	ANKRD12	0.094	9.664	0.7815	1	ankyrin repeat domain 12	Nucleus	other
10009	SGSM2	0.094	6.320	0.89681	1	small G protein signaling modulator 2	Cytoplasm	other
10010	IGBP1P1	0.094	4.175	0.94336	1	immunoglobulin (CD79A) binding protein 1 pseudogene 1	Other	other
10011	TMEM14A	0.094	4.629	0.93778	1	transmembrane protein 14A	Other	other
10012	RPS11	0.093	8.419	0.77846	1	ribosomal protein S11	Cytoplasm	other
10013	INO80	0.093	6.402	0.8564	1	INO80 complex subunit	Nucleus	enzyme
10014	LYRM1	0.093	5.297	0.89682	1	LYR motif containing 1	Cytoplasm	other
10015	OAT	0.093	7.265	0.81135	1	ornithine aminotransferase	Cytoplasm	enzyme
10016	GORASP2	0.093	7.929	0.80717	1	golgi reassembly stacking protein 2, 55kDa	Cytoplasm	other
10017	NDUFA13	0.092	3.619	0.95978	1	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 13	Cytoplasm	enzyme
10018	GALNT12	0.092	4.023	0.96305	1	polypeptide N-acetylglucosaminyltransferase 12	Cytoplasm	enzyme
10019	HIST1H2BK	0.092	2.355	1	1	histone cluster 1, H2bk	Nucleus	other
10020	LMD1-AS1	0.092	1.859	1	1	LMD1 antisense RNA 1	Other	other
10021	ZNF45	0.092	5.067	0.9149	1	zinc finger protein 45	Nucleus	transcription regulator
10022	SUB1	0.092	7.368	0.80086	1	SUB1 homolog (S. cerevisiae)	Nucleus	transcription regulator
10023	C10orf54	0.092	6.891	0.83862	1	chromosome 10 open reading frame 54	Plasma Membrane	other
10024	LYRM7	0.092	6.513	0.85607	1	LYR motif containing 7	Cytoplasm	other
10025	HNRNPR	0.092	8.507	0.78588	1	heterogeneous nuclear ribonucleoprotein R	Nucleus	other
10026	ZNF259	0.092	6.230	0.86946	1	ZPR1 zinc finger	Nucleus	other
10027	POLR1D	0.091	7.564	0.81203	1	polymerase (RNA) I polypeptide D, 16kDa	Nucleus	enzyme
10028	CD44	0.091	10.823	0.7771	1	CD44 molecule (Indian blood group)	Plasma Membrane	enzyme
10029	TP53I13	0.091	6.090	0.87508	1	humor protein p53 inducible protein 13	Other	other
10030	ATP8B1	0.091	3.607	0.96488	1	ATPase, aminophospholipid transporter, class I, type 8B, member 1	Plasma Membrane	transporter
10031	RPS14	0.091	8.832	0.78439	1	ribosomal protein S14	Cytoplasm	transcription regulator

10032	FBXO3	0,091	7,745	0,80642	1	F-box protein 3		Other	enzyme
10033	GOLGA4	0,091	8,567	0,78311	1	golgin A4		Cytoplasm	other
10034	DHX16	0,091	6,465	0,87685	1	DEAH (Asp-Glu-Ala-His) box polypeptide 16		Nucleus	enzyme
10035	MUT	0,090	5,984	0,88875	1	methylmalonyl CoA mutase		Cytoplasm	enzyme
10036	C4orf34	0,090	5,496	0,89408	1	small integral membrane protein 14		Cytoplasm	other
10037	TPT1	0,090	8,897	0,78611	1	tumor protein, translationally-controlled 1		Cytoplasm	other
10038	RPLP30	0,090	2,519		1	ribosomal protein L9 pseudogene 30		Other	other
10039	UBN1	0,090	7,085	0,82949	1	ubiquitin 1		Nucleus	transcription regulator
10040	ANKRD39	0,089	5,268	0,89871	1	ankyrin repeat domain 39		Other	other
10041	ERI1	0,089	6,177	0,88752	1	exoribonuclease 1		Nucleus	enzyme
10042	POLR2K	0,088	6,638	0,85475	1	polymerase (RNA) II (DNA directed) polypeptide K, 7.0kDa		Nucleus	enzyme
10043	MFN2	0,088	5,717	0,88587	1	mitofusin 2		Cytoplasm	enzyme
10044	LRPAP1	0,088	7,659	0,82171	1	low density lipoprotein receptor-related protein associated protein 1		Plasma Membrane	transmembrane receptor
10045	CDC39	0,088	3,144	1	1	colled-coil domain containing 39		Cytoplasm	other
10046	TRIM68	0,088	5,308	0,89789	1	tripartite motif containing 68		Cytoplasm	enzyme
10047	EIF3H	0,088	8,446	0,79593	1	eukaryotic translation initiation factor 3, subunit H		Cytoplasm	other
10048	PGM2	0,088	6,057	0,88202	1	phosphoglucomutase 2		Cytoplasm	enzyme
10049	C3orf19	0,088	6,761	0,84317	1	colled-coil domain containing 174		Nucleus	other
10050	CKAP5	0,087	6,632	0,87438	1	cytoskeleton associated protein 5		Nucleus	transcription regulator
10051	KIF21B	0,087	6,839	0,85255	1	kinesin family member 21B		Cytoplasm	other
10052	DDAH2	0,086	4,926	0,93867	1	dimethylarginine dimethylaminohydrolase 2		Cytoplasm	enzyme
10053	TMEM79	0,086	4,194	0,94898	1	transmembrane protein 79		Cytoplasm	other
10054	E1FA1P6	0,086	2,154	1	1	eukaryotic translation initiation factor 4A1 pseudogene 6		Other	other
10055	TMEM140	0,086	4,820	0,91542	1	transmembrane protein 140 (pseudogene)		Other	other
10056	TXN2	0,086	7,170	0,82899	1	thioredoxin 2		Cytoplasm	enzyme
10057	C14orf79	0,086	3,641	1	1	chromosome 14 open reading frame 79		Other	other
10058	OS9	0,085	6,473	0,85941	1	osteosarcoma amplified 9, endoplasmic reticulum lectin		Nucleus	other
10059	C4orf27	0,085	4,501	0,92811	1	chromosome 4 open reading frame 27		Nucleus	other
10060	MT-ND6	0,085	8,364	0,80026	1	NADH dehydrogenase, subunit 6 (complex I)		Cytoplasm	enzyme
10061	CHERP	0,085	5,147	0,91478	1	calcium homeostasis endoplasmic reticulum protein		Cytoplasm	other
10062	SEC61B	0,085	7,381	0,86307	1	Sec61 beta subunit		Cytoplasm	transporter
10063	HIVEP3	0,085	4,716	0,93339	1	human immunodeficiency virus type 1 enhancer binding protein 3		Nucleus	transcription regulator
10064	RILP	0,085	6,229	1	1	Rab interacting lysosomal protein 1		Cytoplasm	other
10065	OSGEP	0,084	7,436	0,82719	1	O-acylacylglycerol endopeptidase		Other	peptidase
10066	CFDP1	0,084	6,343	0,86112	1	craniofacial development protein 1		Extracellular Space	other
10067	ID4	0,084	6,260	0,88241	1	insulin-degrading enzyme		Extracellular Space	peptidase
10068	CLIP4	0,084	6,444	0,85778	1	CAP-GLY domain containing linker protein family, member 4		Other	other
10069	RPL31	0,083	7,252	0,81946	1	ribosomal protein L31		Cytoplasm	other
10070	HSD17B7	0,083	5,545	0,90024	1	hydroxysteroid (17-beta) dehydrogenase 7		Cytoplasm	enzyme
10071	TRMT13	0,083	6,407	0,86036	1	tRNA methyltransferase L3 homolog (S. cerevisiae)		Other	other
10072	MRPL33	0,083	5,123	0,92762	1	mitochondrial ribosomal protein L33		Cytoplasm	other
10073	ILF3	0,083	8,349	0,80768	1	interleukin enhancer binding factor 3, 90kDa		Nucleus	transcription regulator
10074	SNX6	0,083	7,761	0,82387	1	sorting nexin 6		Cytoplasm	transporter
10075	NAP1L4P3	0,083	3,534	0,95477	1	nucleosome assembly protein 1-like 4 pseudogene 3		Other	other
10076	KIAA0907	0,083	6,802	0,85337	1	KIAA0907		Other	other
10077	ZNF642	0,082	3,992	0,97991	1	ZFP69 zinc finger protein		Other	other
10078	MPP5	0,082	5,135	0,93159	1	membrane protein, palmitoylated 5 (MAGLUP p55 subfamily member 5)		Plasma Membrane	kinase
10079	CD52	0,082	7,802	0,86017	1	CD52 molecule		Plasma Membrane	other
10080	GOT2P3	0,081	2,530	1	1	glutamic-oxaloacetic transaminase 2 pseudogene 3		Other	other
10081	PRKD3	0,081	8,522	0,8212	1	protein kinase D3		Nucleus	kinase
10082	ARRDC1	0,081	6,652	0,85493	1	arrestin domain containing 1		Cytoplasm	other
10083	SLC9A6	0,081	4,766	0,9351	1	solute carrier family 9, subfamily A (NHE6, cation proton antiporter 6), member 6		Plasma Membrane	transporter
10084	NAPRT1	0,081	5,105	0,92771	1	nicotinate phosphoribosyltransferase		Cytoplasm	enzyme
10085	RPL23P8	0,081	4,900	0,91752	1	ribosomal protein L23 pseudogene 8		Other	other
10086	WHAMMP2	0,080	3,977	0,97206	1	WAS protein homolog associated with actin, golgi membranes and microtubules pseudogene 2		Other	other
10087	EIF5A	0,080	6,601	0,88431	1	eukaryotic translation initiation factor 5A		Cytoplasm	translation regulator
10088	CNDOB1P1	0,080	8,325	0,81888	1	cyclin B-type binding protein 1		Nucleus	other
10089	UNC119	0,080	6,245	0,89028	1	unc-119 homolog (C. elegans)		Cytoplasm	other
10090	PHC3	0,080	7,715	0,85855	1	polyhomocytic homolog 3 (Drosophila)		Nucleus	transcription regulator
10091	C22orf28	0,080	8,070	0,84984	1	RNA 2',3'-cyclic phosphate and 5'-OH ligase		Cytoplasm	enzyme
10092	RSBN1	0,080	7,222	0,84527	1	round spermatid basic protein 1		Nucleus	other
10093	MDM1	0,080	5,490	0,93045	1	Mdm1 nuclear protein homolog (mouse)		Other	other
10094	C9orf142	0,079	7,150	0,86075	1	chromosome 9 open reading frame 142		Cytoplasm	other
10095	EDARADD	0,079	4,235	0,9552	1	EDAR-associated death domain		Cytoplasm	other
10096	KANSL2	0,079	7,444	0,83393	1	KAT8 regulatory NSL complex subunit 2		Nucleus	other
10097	ZNRF2	0,079	5,467	0,90924	1	zinc and ring finger 2, E3 ubiquitin protein ligase		Other	other
10098	MRFR	0,079	6,183	0,89753	1	mitochondrial ribosome recycling factor		Cytoplasm	other
10099	ENTPD6	0,079	5,919	0,91666	1	ectonucleoside triphosphate diphosphohydrolase 6 (putative)		Cytoplasm	enzyme
10100	TOPORS-A4	0,079	3,212	1	1	TOPORS antisense RNA 1		Other	other
10101	ZMYND19	0,079	4,592	0,95504	1	zinc finger, MYND-type containing 19		Plasma Membrane	other
10102	ZEB1-AS1	0,078	3,648	1	1	ZEB1 antisense RNA 1		Other	other
10103	NCOA3	0,078	7,569	0,88131	1	nuclear receptor coactivator 3		Nucleus	transcription regulator
10104	TUBGCP2	0,078	7,055	0,84387	1	tubulin, gamma complex associated protein 2		Cytoplasm	peptidase
10105	MSRB1	0,078	4,564	0,92831	1	methionine sulfoxide reductase B1		Other	other
10106	MT-CO1	0,077	10,162	0,81372	1	cytochrome c oxidase subunit I		Cytoplasm	enzyme
10107	CACNB2	0,077	5,350	0,92593	1	calcium channel, voltage-dependent, beta 2 subunit		Plasma Membrane	ion channel
10108	RPS7P1	0,077	5,842	0,89173	1	ribosomal protein S7 pseudogene 1		Other	other
10109	TMEM242	0,077	5,912	0,90733	1	transmembrane protein 242		Other	other
10110	ACTR3P3	0,077	1,949	1	1	ACTR3 pseudogene 3		Other	other
10111	C1QTNF3	0,077	2,909	1	1	C1q and tumor necrosis factor related protein 3		Extracellular Space	other
10112	HEFD	0,077	3,312	1	1	Heskie (re-S) domain containing		Other	other
10113	GALTNT7	0,077	5,578	0,91725	1	polypeptide N-acetylglucosaminyltransferase 7		Cytoplasm	enzyme
10114	PUF60	0,077	8,357	0,81764	1	poly-U binding splicing factor 60kDa		Nucleus	other
10115	MOB3A	0,077	7,405	0,86721	1	MOB kinase activator 3A		Other	other
10116	TRAM1	0,076	8,848	0,83941	1	translocation associated membrane protein 1		Cytoplasm	other
10117	IFT88	0,076	5,155	0,91558	1	intraflagellar transport 88		Cytoplasm	other
10118	TMEM1121	0,075	3,080	1	1	transmembrane protein 121		Other	other
10119	C2orf68	0,075	6,087	0,8945	1	chromosome 2 open reading frame 68		Other	other
10120	CAPRIN2	0,075	6,563	0,86983	1	caprin family member 2		Cytoplasm	other
10121	ATM	0,075	9,135	0,86593	1	ATM serine/threonine kinase		Nucleus	kinase
10122	MINOS1P3	0,075	1,925	1	1	mitochondrial inner membrane organizing system 1 pseudogene 3		Other	other
10123	SURF4	0,075	8,471	0,84561	1	surfact 4		Cytoplasm	other
10124	OTUD6B	0,075	6,019	0,90462	1	OTU domain containing 6B		Other	other
10125	CAP52	0,074	4,121	0,9743	1	calycyosine 2		Other	other
10126	RNAS5P49K	0,074	2,212	1	1	RNA, 5S ribosomal pseudogene 490		Other	other
10127	SNRPA1	0,074	6,790	0,87087	1	small nuclear ribonucleoprotein polypeptide A'		Nucleus	other
10128	PPM1L	0,074	4,774	0,94459	1	protein phosphatase, Mg2+/Mn2+ dependent, 1L		Cytoplasm	phosphatase
10129	ZNHIT1	0,074	5,911	0,89568	1	zinc finger, HIT-type containing 1		Nucleus	other
10130	RPL24P4	0,074	5,891	0,90938	1	ribosomal protein L24 pseudogene 4		Other	other
10131	COPS7B	0,074	5,991	0,89773	1	COP9 signalosome subunit 7B		Cytoplasm	other
10132	SUN2	0,074	6,898	0,89821	1	Sad1 and UNC84 domain containing 2		Nucleus	other
10133	LEF1	0,074	6,999	0,90259	1	lymphoid enhancer-binding factor 1		Nucleus	transcription regulator
10134	WDR41	0,074	5,585	0,90966	1	WD repeat domain 41		Cytoplasm	other
10135	HERC2P3	0,073	3,058	1	1	hect domain and RLD 2 pseudogene 3		Other	other
10136	TRBJ2-4	0,073	2,075	1	1	T cell receptor beta joining 2-4		Other	other
10137	PLC12	0,073	3,208	0,86517	1	phospholipase C-like 2		Cytoplasm	enzyme
10138	COG7	0,073	5,305	0,9312	1	component of oligomeric golgi complex 7		Cytoplasm	transporter
10139	FTSJ2	0,073	6,180	0,88397	1	FtsJ RNA methyltransferase homolog 2 (E. coli)		Nucleus	enzyme
10140	EIF3K3	0,073	2,550	1	1	eukaryotic translation initiation factor 3, subunit K pseudogene 3		Other	other
10141	ELMOD2	0,073	5,842	0,93609	1	ELMO/CED-12 domain containing 2		Other	other
10142	LAPTM4B	0,072	6,363	0,93886	1	lysosomal protein transmembrane 4 beta		Other	other
10143	POCD6IP	0,072	8,239	0,84078	1	programmed cell death 6 interacting protein		Cytoplasm	other
10144	ZNF263	0,072	6,602	0,87042	1	zinc finger protein 263		Nucleus	transcription regulator
10145	L2HGDH	0,072	3,009	1	1	L-2-hydroxyglutarate dehydrogenase		Cytoplasm	enzyme
10146	FTSID2	0,072	6,485	0,89257	1	cap methyltransferase 1		Nucleus	enzyme
10147	GCA	0,071	3,975	0,97362	1	granulocalin, EF-hand calcium binding protein		Cytoplasm	other
10148	PTPRN2	0,071	4,865	0,96006	1	protein tyrosine phosphatase, receptor type, N polypeptide 2		Plasma Membrane	phosphatase
10149	ANKA1L	0,071	7,663	0,84478	1	ankyrin A11		Nucleus	other
10150	RBAPF1	0,070	5,184	0,92828	1	retinoblastoma binding protein 4 pseudogene 1		Other	other
10151	DDZ1	0,070	3,830	0,98105	1	teuonin transmembrane protein 1		Plasma Membrane	peptidase
10152	PBX4	0,070	3,691	0,96767	1	pse-B-cell leukemia homeobox 4		Nucleus	transcription regulator
10153	BRX1	0,070	6,628	0,87706	1	BRX1, biogenesis of ribosomes		Nucleus	enzyme
10154	UBE2D1	0,070	5,806	0,90993	1	ubiquitin-conjugating enzyme E2D 1		Cytoplasm	enzyme
10155	ATXN3	0,069	7,161	0,86703	1	ataxin 3		Nucleus	peptidase
10156	MRPL1	0,069	5,067	0,9299	1	mitochondrial ribosomal protein L1		Cytoplasm	other
10157	PPP2R2A	0,069	6,593	0,89225	1	protein phosphatase 2, regulatory subunit B, alpha		Cytoplasm	phosphatase
10158	HIP1	0,068	3,925	0,9742	1	huntingtin interacting protein 1		Cytoplasm	other
10159	RAD17P1	0,068	3,217	1	1	RAD17 homolog (S. pombe) pseudogene 1		Other	other
10160	CRAMP1L	0,068	4,252	0,97588	1	Crm, cramp-like (Drosophila)		Other	other
10161	ANKRD32	0,068	5,367	0,9339	1	ankyrin repeat domain 32		Nucleus	transcription regulator
10162	FDPSP5	0,068	3,790	1	1	farnesyl diphosphate synthase pseudogene 5		Other	other
10163	SH3BGR	0,067	7,636	0,85677	1	SH3 domain binding glutamate-rich protein like		Cytoplasm	other

10164	ZC3H15	0,067	7,232	0,86499	1	zinc finger CCCH-type containing 15	Nucleus	other
10165	RPL35A	0,067	7,771	0,85363	1	ribosomal protein L35a	Cytoplasm	other
10166	B3GAT3	0,067	5,677	0,92511	1	beta-1,3-glucuronyltransferase 3	Cytoplasm	enzyme
10167	LNK2	0,067	4,448	0,94927	1	ligand of numb-protein X 2	Other	other
10168	PLEKH82	0,067	7,583	0,89252	1	pleckstrin homology domain containing, family 8 (evectins) member 2	Other	other
10169	RPS3	0,067	9,155	0,85078	1	ribosomal protein S3	Cytoplasm	enzyme
10170	CRNWL1	0,067	6,568	0,88777	1	crooked neck pre-mRNA splicing factor 1	Nucleus	other
10171	FBP1A	0,067	4,439	0,97459	1	PF506 binding protein 1A, 12kDa	Cytoplasm	enzyme
10172	DOK3	0,067	2,312	1	1	docking protein 3	Cytoplasm	other
10173	ERAL1	0,067	6,530	0,8841	1	Fra-like 12S mitochondrial rRNA chaperone 1	Cytoplasm	other
10174	EIF3KP1	0,067	1,719	1	1	eukaryotic translation initiation factor 3, subunit K pseudogene 1	Other	other
10175	SLCA4IAP	0,066	6,704	0,91578	1	solute carrier family 4 (anion exchanger), member 1, adaptor protein	Nucleus	transporter
10176	SDHC	0,066	5,126	0,94726	1	succinate dehydrogenase complex, subunit C, integral membrane protein, 15kDa	Cytoplasm	enzyme
10177	AP1M1	0,065	7,431	0,85963	1	adaptor-related protein complex 1, mu 1 subunit	Cytoplasm	transporter
10178	C22orf25	0,065	5,014	0,94521	1	transport and golgi organization 2 homolog (Drosophila)	Cytoplasm	other
10179	MLF1	0,065	1,800	1	1	myeloid leukemia factor 1	Nucleus	other
10180	VEZT	0,065	6,817	0,88162	1	vezatin, adherens junctions transmembrane protein	Plasma Membrane	other
10181	GMEB1	0,065	6,262	0,91062	1	glucocorticoid modulatory element binding protein 1	Nucleus	transcription regulator
10182	PLIN3	0,065	5,225	0,93576	1	perilipin 3	Cytoplasm	other
10183	KLF7	0,065	6,582	0,88902	1	Kruppel-like factor 7 (tubiquitin)	Nucleus	transcription regulator
10184	RPL10AP6	0,065	4,872	0,93677	1	ribosomal protein L10p pseudogene 6	Other	other
10185	UBL4A	0,065	6,566	0,89501	1	ubiquitin-like 4A	Cytoplasm	enzyme
10186	CREBL2	0,065	6,243	0,91181	1	cAMP responsive element binding protein-like 2	Nucleus	transcription regulator
10187	RPS19P3	0,064	5,782	0,91839	1	ribosomal protein S19 pseudogene 3	Other	other
10188	MT-CO3	0,064	9,251	0,84691	1	cytochrome c oxidase III	Cytoplasm	enzyme
10189	VAPA	0,064	8,262	0,85312	1	VAMP (vesicle-associated membrane protein)-associated protein A, 33kDa	Plasma Membrane	other
10190	NADKD1	0,064	5,151	0,92651	1	NAD kinase 2, mitochondrial	Cytoplasm	kinase
10191	ERMP1	0,064	5,976	0,92583	1	endoplasmic reticulum metalloproteinase 1	Cytoplasm	other
10192	RC3H1	0,064	7,837	0,86069	1	ring finger and CCCH-type domains 1	Cytoplasm	other
10193	ERP29	0,064	7,457	0,8752	1	endoplasmic reticulum protein 29	Cytoplasm	transporter
10194	MPZL1	0,064	4,500	0,98647	1	myelin protein zero-like 1	Plasma Membrane	other
10195	SPAN	0,064	6,919	0,88262	1	IPA interacting protein	Nucleus	other
10196	RPE	0,064	5,272	0,93843	1	ribulose-5-phosphate-3-epimerase	Cytoplasm	enzyme
10197	MZT2B	0,063	5,182	0,94655	1	mitotic spindle organizing protein 2B	Cytoplasm	other
10198	MCM9	0,063	6,680	0,90149	1	minichromosome maintenance complex component 9	Nucleus	enzyme
10199	LRRC2	0,063	3,819	1	1	leucine rich repeat containing 2	Other	other
10200	PAK2	0,063	7,403	0,86151	1	p21 protein (Cdc42/Rac)-activated kinase 2	Cytoplasm	kinase
10201	RCN3	0,063	2,313	1	1	reticulocalbin 3, EF-hand calcium binding domain	Cytoplasm	other
10202	NAA30	0,063	5,373	0,94106	1	N[alpha]-acetyltransferase 30, NatC catalytic subunit	Cytoplasm	enzyme
10203	PPHP1	0,063	2,352	1	1	peptidylprolyl isomerase H (cyclophilin H) pseudogene 1	Other	other
10204	PIGU	0,063	5,321	0,94422	1	phosphatidylinositol glycan anchor biosynthesis, class U	Cytoplasm	enzyme
10205	ZDHHC2	0,063	6,738	0,90148	1	zinc finger, DHHC-type containing 2	Nucleus	enzyme
10206	BIN1	0,062	6,856	0,90903	1	bridging integrator 1	Nucleus	other
10207	NSUN4	0,062	6,341	0,92421	1	NDP2/Sun domain family, member 4	Cytoplasm	enzyme
10208	WDR89	0,062	6,080	0,92294	1	WD repeat domain 89	Other	other
10209	GLTSCR2	0,062	8,760	0,85748	1	glioma tumor suppressor candidate region gene 2	Cytoplasm	other
10210	POLRMTP1	0,062	4,297	0,97218	1	polymerase (RNA) mitochondrial (DNA directed) pseudogene 1	Other	other
10211	SAMD4B	0,062	6,237	0,91562	1	sterile alpha motif domain containing 4B	Cytoplasm	other
10212	AP1G2	0,061	6,998	0,87743	1	adaptor-related protein complex 1, gamma 2 subunit	Cytoplasm	transporter
10213	FAM101B	0,061	5,084	0,95555	1	family with sequence similarity 101, member B	Other	other
10214	FAM126A	0,061	5,706	0,91844	1	family with sequence similarity 126, member A	Cytoplasm	other
10215	ALDH9A1	0,061	6,945	0,90023	1	aldehyde dehydrogenase 9 family, member A1	Cytoplasm	enzyme
10216	CFL1P4	0,061	2,999	1	1	cofilin 1 (non-muscle) pseudogene 4	Other	other
10217	NDNL2	0,061	6,954	0,89386	1	necln-like 2	Nucleus	other
10218	HLA-A	0,060	9,161	0,85301	1	major histocompatibility complex, class I, A	Plasma Membrane	other
10219	ACADVL	0,060	8,783	0,86642	1	acyl-CoA dehydrogenase, very long chain	Cytoplasm	enzyme
10220	CRIP1	0,060	8,353	0,85812	1	cysteine-rich protein 1 (intestinal)	Cytoplasm	other
10221	CHC9R1	0,060	4,232	0,97584	1	coiled-coil alpha-helical rod protein 1	Cytoplasm	other
10222	FEZ2	0,060	4,458	0,97483	1	fasciculation and elongation protein zeta 2 (zigin II)	Cytoplasm	other
10223	RBM25	0,060	9,152	0,86092	1	RNA binding motif protein 25	Nucleus	other
10224	CALM2P2	0,059	4,639	0,95368	1	calmodulin 2 pseudogene 2	Other	other
10225	ZNF699	0,059	5,183	0,9635	1	zinc finger protein 699	Other	other
10226	MT-ATP6	0,059	8,464	0,86383	1	ATP synthase F0 subunit 6	Cytoplasm	transporter
10227	MPHOSPH4	0,059	5,007	0,96408	1	M-phase phosphoprotein 6	Nucleus	other
10228	HILPDA	0,059	5,330	1	1	hypoxia inducible lipid droplet-associated	Cytoplasm	other
10229	SHQ1	0,059	5,832	0,93738	1	SHQ1, H/AcA ribonucleoprotein assembly factor	Nucleus	other
10230	C15orf62	0,058	1,659	1	1	chromosome 15 open reading frame 62	Other	other
10231	TEX34	0,058	1,659	1	1	spermatogenesis associated 32	Other	other
10232	ZNF665	0,058	4,014	1	1	zinc finger protein 665	Other	other
10233	RPS13	0,058	7,235	0,88234	1	ribosomal protein S13	Other	other
10234	07-mars	0,058	8,621	0,8614	1	1	Other	other
10235	UBIAD1	0,058	5,922	0,92539	1	UBiA prenyltransferase domain containing 1	Nucleus	enzyme
10236	FAM122A	0,058	4,645	0,97795	1	family with sequence similarity 122A	Extracellular Space	other
10237	STAT4	0,058	9,277	0,88796	1	signal transducer and activator of transcription 4	Nucleus	transcription regulator
10238	CDC94	0,057	5,236	0,95037	1	coiled-coil domain containing 94	Other	other
10239	BIN2	0,057	8,432	0,86538	1	bridging integrator 2	Plasma Membrane	other
10240	GFER	0,057	4,191	0,97141	1	growth factor, augmentor of liver regeneration	Nucleus	enzyme
10241	KLF3	0,057	7,369	0,91114	1	Kruppel-like factor 3 (basic)	Nucleus	transcription regulator
10242	NR1H2	0,057	7,756	0,87987	1	nuclear receptor subfamily 1, group H, member 2	Nucleus	ligand-dependent nuclear receptor
10243	NDUFA4	0,057	6,322	0,90805	1	NDUFA4, mitochondrial complex associated	Cytoplasm	enzyme
10244	PHKL	0,057	6,169	0,92843	1	zinc fingers and homeobox 1	Nucleus	transcription regulator
10245	MAF1	0,057	7,822	0,88112	1	MAF1 homolog (S. cerevisiae)	Nucleus	other
10246	MTMR4	0,057	6,327	0,91582	1	myotubularin related protein 4	Cytoplasm	phosphatase
10247	ERGIC2	0,057	7,205	0,89353	1	ERGIC and golgi 2	Cytoplasm	other
10248	RIN3	0,057	6,654	0,91343	1	Ras and Rab interactor 3	Cytoplasm	other
10249	DBNL	0,057	7,786	0,87195	1	drebrin-like	Cytoplasm	other
10250	ZDHHC17	0,057	6,880	0,90867	1	zinc finger, DHHC-type containing 17	Cytoplasm	enzyme
10251	LINC00657	0,056	8,361	0,86719	1	long intergenic non-protein coding RNA 657	Other	other
10252	ZNF232	0,056	4,589	0,97841	1	zinc finger protein 232	Nucleus	other
10253	NAA38	0,056	6,759	0,90367	1	N[alpha]-acetyltransferase 38, NatC auxiliary subunit	Nucleus	other
10254	ABCA7	0,056	6,237	0,92862	1	ATP-binding cassette, sub-family A (ABC1), member 7	Plasma Membrane	transporter
10255	ZNF664	0,056	5,016	0,94188	1	zinc finger protein 664	Nucleus	other
10256	LRRC8C	0,056	5,826	0,95406	1	leucine rich repeat containing 8 family, member C	Cytoplasm	other
10257	GNAS	0,055	9,230	0,86946	1	GNAS complex locus	Plasma Membrane	enzyme
10258	ZNF44	0,055	7,886	0,89157	1	zinc finger protein 44	Nucleus	other
10259	SMARCC2	0,055	7,802	0,88947	1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 2	Nucleus	transcription regulator
10260	B2M	0,055	10,783	0,86312	1	beta-2-microglobulin	Plasma Membrane	transmembrane receptor
10261	SAMD3	0,055	5,567	0,95815	1	sterile alpha motif domain containing 3	Other	other
10262	CAMKK1	0,054	4,522	0,98397	1	calcium/calmodulin-dependent protein kinase kinase 1, alpha	Cytoplasm	kinase
10263	SCAP	0,054	5,576	0,94512	1	SREBF chaperone	Cytoplasm	other
10264	IL18RAP	0,054	7,712	0,91833	1	interleukin 18 receptor accessory protein	Plasma Membrane	transmembrane receptor
10265	CNN2	0,054	6,950	0,9021	1	calponin 2	Cytoplasm	other
10266	ADCK5	0,054	4,231	0,97771	1	aaRF domain containing kinase 5	Cytoplasm	kinase
10267	NGLY1	0,054	7,878	0,88001	1	N-glycanase 1	Cytoplasm	enzyme
10268	GLRX2	0,053	3,659	1	1	glutaredoxin 2	Cytoplasm	enzyme
10269	ZIK1	0,053	6,134	0,94181	1	zinc finger protein interacting with K protein 1	Other	other
10270	CDC25B	0,053	7,215	0,89122	1	cell division cycle 25B	Nucleus	phosphatase
10271	PAIP2B	0,053	3,871	0,96872	1	poly(A) binding protein interacting protein 2B	Other	transcription regulator
10272	GBF1	0,053	5,921	0,94559	1	golgi brefeldin A resistant guanine nucleotide exchange factor 1	Cytoplasm	other
10273	RPL19P12	0,053	5,233	0,94755	1	ribosomal protein L19 pseudogene 12	Other	other
10274	TRIM28	0,053	7,963	0,88534	1	tripartite motif containing 28	Nucleus	transcription regulator
10275	ERCC2	0,052	2,693	1	1	excision repair cross-complementation group 2	Nucleus	enzyme
10276	NUP155	0,052	5,750	0,94959	1	nucleoporin 155kDa	Nucleus	transporter
10277	DUSP2	0,052	5,616	0,95449	1	dual specificity phosphatase 2	Nucleus	phosphatase
10278	TMEM11	0,052	6,090	0,93258	1	transmembrane protein 11	Plasma Membrane	G-protein coupled receptor
10279	NEMF	0,052	7,636	0,8882	1	nuclear export mediator factor	Nucleus	other
10280	EFTAIAP6	0,051	2,535	1	1	eukaryotic translation elongation factor 1 alpha 1 pseudogene 6	Other	other
10281	TNP03	0,051	6,764	0,91156	1	transcriptin 3	Cytoplasm	other
10282	CDC93	0,051	6,426	0,91955	1	coiled-coil domain containing 91	Other	other
10283	OSTA	0,051	6,876	0,89675	1	oligosaccharyltransferase 4 homolog (S. cerevisiae)	Other	other
10284	SEL1L3	0,051	7,223	0,89672	1	sel-1 suppressor of lin-12-like 3 (C. elegans)	Nucleus	other
10285	GEMIN7	0,051	4,950	0,96251	1	gem (nuclear organelle) associated protein 7	Nucleus	other
10286	DDIT3	0,051	6,921	0,90776	1	DNA-damage-inducible transcript 3	Nucleus	transcription regulator
10287	FAM96B	0,051	6,642	0,91375	1	family with sequence similarity 96, member 8	Cytoplasm	other
10288	RBMX2	0,051	5,133	0,96599	1	RNA binding motif protein, X-linked 2	Other	other
10289	RPL39	0,051	3,990	1	1	ribosomal protein L39	Cytoplasm	other
10290	ZDHHC5	0,050	6,663	0,93539	1	zinc finger, DHHC-type containing 5	Nucleus	enzyme
10291	NAPG	0,050	6,334	0,92548	1	N-ethylmaleimide-sensitive factor attachment protein, gamma	Cytoplasm	transporter
10292	GPR137B	0,050	4,692	0,95621	1	G protein-coupled receptor 137B	Plasma Membrane	other
10293	MT-CO2	0,049	9,323	0,88315	1	cytochrome c oxidase subunit II	Cytoplasm	enzyme
10294	UBE3B	0,049	6,894	0,92196	1	ubiquitin protein ligase E3B	Extracellular Space	enzyme
10295	YIPF5	0,049	8,006	0,89659	1	Yip1 domain family, member 5	Cytoplasm	other

10296	SLC25A6	0,049	9,201	0,88119	1	solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 6	Cytoplasm	transporter
10297	DAZAP2P1	0,049	5,286	0,94775	1	DAZ associated protein 2 pseudogene 1	Other	other
10298	STX16	0,049	7,540	0,89236	1	syntaxin 16	Cytoplasm	transporter
10299	EID2	0,049	4,760	0,95788	1	EP300 interacting inhibitor of differentiation 2	Nucleus	other
10300	BIRC3	0,048	9,710	0,91574	1	baculoviral IAP repeat containing 3	Cytoplasm	enzyme
10301	CNMM3	0,048	5,065	0,96837	1	cyclin and CBS domain valent metal cation transport mediator 3	Other	other
10302	HIPK2	0,048	6,319	0,933	1	homeodomain interacting protein kinase 2	Nucleus	kinase
10303	ENTPD3-AS	0,048	3,398	1	1	ENTPD3 antisense RNA 1	Other	other
10304	MTFHD2L	0,048	4,926	0,96413	1	methyltetrahydrofolate dehydrogenase (NADP+ dependent) 2-like	Cytoplasm	enzyme
10305	MAPT	0,048	3,525	1	1	microtubule-associated protein tau	Plasma Membrane	other
10306	EWSR1	0,048	8,798	0,8927	1	EWS RNA-binding protein 1	Nucleus	other
10307	FNBP4	0,047	8,736	0,89038	1	formin binding protein 4	Nucleus	other
10308	UBE2M	0,047	4,740	0,98193	1	ubiquitin-conjugating enzyme E2M	Cytoplasm	enzyme
10309	PVRL2	0,047	2,560	1	1	polliovirus receptor-related 2 (herpesvirus entry mediator 8)	Plasma Membrane	transmembrane receptor
10310	PVT1	0,046	5,419	0,96379	1	Pvt1 oncogene (non-protein coding)	Other	other
10311	GOLT1B	0,046	7,488	0,90753	1	golgi transport 1B	Cytoplasm	other
10312	RPL15	0,046	9,321	0,889	1	ribosomal protein L15	Cytoplasm	other
10313	HIST1H2AC	0,046	5,179	0,96672	1	histone cluster 1, H2ac	Nucleus	other
10314	ENPP1	0,046	2,866	1	1	ectonucleotide pyrophosphatase/phosphodiesterase 1	Plasma Membrane	enzyme
10315	DNTTIP2	0,046	8,463	0,89341	1	deoxynucleotidyltransferase, terminal, interacting protein 2	Nucleus	other
10316	NACA3P	0,046	5,315	0,96622	1	NACA family member 3 pseudogene	Other	other
10317	RPS7	0,046	5,577	0,95396	1	ribosomal protein S7	Cytoplasm	other
10318	SLC35B3	0,046	5,731	0,94293	1	solute carrier family 35 (adenosine 3'-phospho 5'-phosphosulfate transporter), member B3	Cytoplasm	other
10319	AZIN1	0,045	7,691	0,90768	1	antizyme inhibitor 1	Cytoplasm	enzyme
10320	ESYT2	0,045	7,525	0,90664	1	extended synaptotagmin-like protein 2	Plasma Membrane	other
10321	ZNF259P1	0,045	3,663	1	1	zinc finger protein 259 pseudogene 1	Other	other
10322	SMNDC1	0,045	6,164	0,94227	1	survival motor neuron domain containing 1	Nucleus	other
10323	AK3P3	0,044	2,163	1	1	adenylate kinase 3 pseudogene 3	Other	other
10324	TRIM56	0,044	5,281	0,96905	1	tripartite motif containing 56	Cytoplasm	enzyme
10325	H2AFY	0,043	7,529	0,92188	1	H2A histone family, member Y	Nucleus	other
10326	IGAP1	0,043	9,034	0,89607	1	IQ motif containing GTPase activating protein 1	Cytoplasm	other
10327	CUL1	0,043	7,646	0,90432	1	cullin 1	Nucleus	enzyme
10328	NDUFS5	0,043	6,840	0,92296	1	NADH dehydrogenase (ubiquinone) Fe-S protein 5, 15kDa (NADH-coenzyme Q reductase)	Cytoplasm	enzyme
10329	THEM5D	0,042	4,459	0,98272	1	thymocyte selection associated family member 2	Other	other
10330	CHCHD2	0,042	6,770	0,92993	1	coiled-coil-helix-coiled-coil-helix domain containing 2	Cytoplasm	other
10331	HIBADH	0,042	6,098	0,95484	1	3-hydroxyisobutyrate dehydrogenase	Cytoplasm	enzyme
10332	ZNF430	0,042	7,064	0,93152	1	zinc finger protein 430	Nucleus	other
10333	SLC10A3	0,042	6,363	0,94072	1	solute carrier family 10, member 3	Plasma Membrane	transporter
10334	BCL7B	0,042	7,233	0,91363	1	B-cell CLL/lymphoma 7B	Nucleus	other
10335	MRE11A	0,042	6,244	0,94553	1	MRE11 meiotic recombination 11 homolog A (S. cerevisiae)	Nucleus	enzyme
10336	ZNF227	0,042	5,995	0,95584	1	zinc finger protein 227	Nucleus	transcription regulator
10337	STARD3	0,042	6,901	0,93492	1	STAR-related lipid transfer (START) domain containing 3	Cytoplasm	transporter
10338	UXT	0,042	7,047	0,92154	1	ubiquitously-expressed, prefoldin-like chaperone	Cytoplasm	other
10339	QCH-AS1	0,041	4,658	0,98109	1	QCH antisense RNA 1	Other	other
10340	BMS1	0,041	7,309	0,91275	1	BMS1 ribosome biogenesis factor	Nucleus	other
10341	MYH9	0,041	8,378	0,90785	1	myosin, heavy chain 9, non-muscle	Cytoplasm	enzyme
10342	PAF1	0,041	6,459	0,94606	1	Pafl, RNA polymerase II associated factor, homolog (S. cerevisiae)	Nucleus	other
10343	TLK2P1	0,041	4,101	1	1	tosoid-like kinase 2 pseudogene 1	Other	other
10344	GEMIN2	0,041	3,972	0,97496	1	gem (nuclear organelle) associated protein 2	Nucleus	other
10345	SEC63	0,041	7,213	0,9318	1	SEC63 homolog (S. cerevisiae)	Cytoplasm	transporter
10346	APTX	0,041	6,090	0,95462	1	aplataxin	Nucleus	phosphatase
10347	PPP4R1	0,040	7,235	0,92917	1	protein phosphatase 4, regulatory subunit 1	Other	phosphatase
10348	MAEA	0,040	7,224	0,92329	1	macrophage erythroid blast adherer	Plasma Membrane	other
10349	UIMC1	0,040	6,691	0,9424	1	ubiquitin interaction motif containing 1	Nucleus	other
10350	COL4A3BP	0,040	6,460	0,94352	1	collagen, type IV, alpha 3 (Goodpasture antigen) binding protein	Cytoplasm	kinase
10351	C13orf60	0,039	6,998	0,92795	1	chromosome 19 open reading frame 60	Other	other
10352	PDPSP1	0,039	3,791	1	1	farnesyl diphosphate synthase pseudogene 1	Other	other
10353	LRP12	0,039	5,316	0,98016	1	low density lipoprotein receptor-related protein 12	Plasma Membrane	transmembrane receptor
10354	PARP11	0,039	5,885	0,94934	1	poly (ADP-ribose) polymerase family, member 11	Other	other
10355	TOB1-AS1	0,039	1,940	1	1	TOB1 antisense RNA 1	Other	other
10356	SELPLG	0,039	8,813	0,90975	1	selectin P ligand	Plasma Membrane	other
10357	HNRNPJ	0,039	8,837	0,90687	1	heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A)	Nucleus	transporter
10358	CCSAP	0,039	6,707	0,93023	1	centriole, cilia and spindle-associated protein	Cytoplasm	other
10359	CS	0,039	7,327	0,92502	1	citrate synthase	Cytoplasm	enzyme
10360	DNAJC1	0,039	6,231	0,94405	1	DnaJ (Hsp40) homolog, subfamily C, member 1	Cytoplasm	other
10361	C12orf76	0,039	5,781	0,96498	1	chromosome 12 open reading frame 76	Other	other
10362	SLC24A1	0,038	4,623	0,9773	1	solute carrier family 24 (sodium/potassium/calcium exchanger), member 1	Plasma Membrane	transporter
10363	SFT2D2	0,038	6,827	0,93154	1	SFT2 domain containing 2	Cytoplasm	other
10364	USP38	0,038	5,917	0,95172	1	ubiquitin specific peptidase 38	Other	peptidase
10365	C11orf68	0,038	6,150	0,94215	1	chromosome 11 open reading frame 68	Other	other
10366	TMEM251	0,038	4,678	0,9804	1	transmembrane protein 251	Other	other
10367	COBRA1	0,038	3,374	1	1	negative elongation factor complex member 8	Nucleus	other
10368	APOO	0,038	3,872	1	1	apolipoprotein O	Extracellular Space	other
10369	ANKRD27	0,038	6,473	0,95234	1	ankyrin repeat domain 27 (VP59 domain)	Cytoplasm	other
10370	IL2RG	0,037	9,926	0,91058	1	interleukin 2 receptor, gamma	Plasma Membrane	transmembrane receptor
10371	DUSP10	0,037	6,561	0,95419	1	dual specificity phosphatase 10	Nucleus	phosphatase
10372	SLC35B4	0,037	5,077	0,98308	1	solute carrier family 35 (UDP-xylose/UDP-N-acetylglucosamine transporter), member B4	Cytoplasm	transporter
10373	C9orf78	0,037	8,165	0,91419	1	chromosome 9 open reading frame 78	Other	other
10374	DCUN1D4	0,037	5,976	0,96876	1	DCN1, defective in cullin neddylation 1, domain containing 4	Nucleus	other
10375	IMP1A	0,037	5,978	0,96201	1	inositol(myo)-[1(or 4)-monophosphatase 1	Cytoplasm	phosphatase
10376	HOGFP1	0,037	2,150	1	1	hepatoma-derived growth factor pseudogene 1	Other	other
10377	RPL36AL	0,036	7,552	0,92222	1	ribosomal protein L36-like	Cytoplasm	other
10378	OSTCP6	0,036	2,960	1	1	oligosaccharyltransferase complex subunit pseudogene 6	Other	other
10379	RAB35	0,036	3,497	1	1	RAB35, member RAS oncogene family	Cytoplasm	enzyme
10380	RPS6KB2	0,036	6,786	0,93774	1	ribosomal protein S6 kinase, 70kDa, polypeptide 2	Cytoplasm	kinase
10381	ZBTB41	0,036	5,203	0,96588	1	zinc finger and BTB domain containing 41	Other	other
10382	DLGAP1-AS	0,036	5,315	0,9743	1	DLGAP1 antisense RNA 1	Other	other
10383	VRK3	0,036	6,926	0,93986	1	vaccinia related kinase 3	Nucleus	kinase
10384	PLD3	0,036	6,364	0,94775	1	phospholipase D family, member 3	Cytoplasm	enzyme
10385	TRUB1	0,035	5,327	0,97045	1	TruB pseudouridine (psi) synthase family member 1	Other	enzyme
10386	BT3P7	0,035	3,173	1	1	basic transcription factor 3 pseudogene 7	Other	other
10387	MCMB	0,035	4,207	1	1	minichromosome maintenance complex component 8	Nucleus	enzyme
10388	NRBP1	0,035	8,105	0,92428	1	nuclear receptor binding protein 1	Nucleus	kinase
10389	PSMG1	0,034	5,047	0,98109	1	proteasome (prosome, macropain) assembly chaperone 1	Other	other
10390	SYT11	0,034	5,309	0,98429	1	synaptotagmin XI	Plasma Membrane	transporter
10391	RPL35	0,034	7,017	0,93851	1	ribosomal protein L35	Cytoplasm	other
10392	COX6C	0,034	6,727	0,94602	1	cytochrome c oxidase subunit VIc	Cytoplasm	enzyme
10393	RAB14	0,034	4,734	0,93804	1	RAB14, member RAS oncogene family	Cytoplasm	enzyme
10394	CHMP1A	0,034	6,148	0,95593	1	charged multivesicular body protein 1A	Extracellular Space	peptidase
10395	XPR1	0,034	5,469	0,96882	1	xenotropic and polytropic retrovirus receptor 1	Plasma Membrane	G-protein coupled receptor
10396	KRT10	0,033	6,071	0,95151	1	keratin 10, type I	Cytoplasm	other
10397	MXD1	0,033	6,075	0,95947	1	MAX dimerization protein 1	Nucleus	transcription regulator
10398	MARK3	0,033	7,746	0,9317	1	MAP/microtubule affinity-regulating kinase 3	Cytoplasm	kinase
10399	POLR2G	0,033	7,455	0,93428	1	polymerase (RNA) II (DNA directed) polypeptide G	Nucleus	enzyme
10400	NGDN	0,033	7,533	0,94065	1	neurogranin, EF4E binding protein	Nucleus	other
10401	RIMDSB	0,033	5,445	0,96937	1	required for meiotic nuclear division 5 homolog B (S. cerevisiae)	Other	other
10402	EIF3LP2	0,032	4,229	1	1	eukaryotic translation initiation factor 3, subunit 1 pseudogene 2	Other	other
10403	HTT	0,032	5,966	0,97308	1	huntingtin	Cytoplasm	transcription regulator
10404	IDS	0,032	8,807	0,92743	1	iduronate 2-sulfatase	Cytoplasm	enzyme
10405	TIAM1	0,032	6,486	0,9714	1	T-cell lymphoma invasion and metastasis 1	Cytoplasm	other
10406	MED11	0,032	5,176	0,96493	1	mediator complex subunit 11	Nucleus	other
10407	THYN1	0,031	6,682	0,95542	1	thymocyte nuclear protein 1	Nucleus	other
10408	CNNK1G2	0,031	6,808	0,95642	1	casein kinase 1, gamma 2	Cytoplasm	kinase
10409	ZNF207	0,031	9,309	0,92772	1	zinc finger protein 207	Nucleus	transcription regulator
10410	STRA13	0,031	5,612	0,97162	1	stimulated by retinoic acid 13	Nucleus	other
10411	CLK4	0,030	7,808	0,9375	1	CDC-like kinase 4	Nucleus	kinase
10412	TCEAL3	0,030	4,252	1	1	transcription elongation factor A (SII)-like 3	Other	other
10413	SSR1	0,030	8,867	0,9323	1	signal sequence receptor, alpha	Cytoplasm	other
10414	PAD4	0,030	2,069	1	1	peptidyl arginine deiminase, type IV	Cytoplasm	enzyme
10415	SDCCAG3P	0,030	2,052	1	1	serologically defined colon cancer antigen 3 pseudogene 2	Other	other
10416	ZFAND4	0,030	5,444	0,9707	1	zinc finger, AN1-type domain 4	Other	other
10417	RPL7L1P3	0,030	1,881	1	1	ribosomal protein L7-like 1 pseudogene 3	Other	other
10418	FAM98B	0,030	6,135	0,96971	1	family with sequence similarity 98, member B	Other	other
10419	MED17	0,030	6,982	0,95194	1	mediator complex subunit 17	Nucleus	transcription regulator
10420	TPMT	0,030	5,306	0,98652	1	thiopurine S-methyltransferase	Cytoplasm	enzyme
10421	GABARAPL	0,030	6,927	0,9463	1	GABA(A) receptor-associated protein like 1	Cytoplasm	other
10422	RPS2P46	0,030	5,442	0,96773	1	ribosomal protein S2 pseudogene 46	Other	other
10423	ABL2	0,029	5,998	0,9681	1	ABL proto-oncogene 2, non-receptor tyrosine kinase	Cytoplasm	kinase
10424	HSPB11	0,029	5,394	0,98369	1	heat shock protein family B (small), member 11	Extracellular Space	other
10425	DI1	0,029	7,791	0,93765	1	isopentenyl-diphosphate delta isomerase 1	Cytoplasm	enzyme
10426	PGP	0,029	5,474	0,9687	1	phosphoglycolate phosphatase	Other	enzyme
10427	SIGMAR1	0,029	6,271	0,95709	1	sigma non-opioid intracellular receptor 1	Plasma Membrane	other

10428	EFTUD1	0,029	6,282	0,95648	1	elongation factor Tu GTP binding domain containing 1		Cytoplasm	translation regulator
10429	MAP2K1	0,028	6,515	0,95977	1	mitogen-activated protein kinase kinase 1		Cytoplasm	kinase
10430	C6orf48	0,028	7,155	0,94606	1	chromosome 6 open reading frame 48		Other	other
10431	TTN	0,028	6,132	0,96965	1	titin		Cytoplasm	kinase
10432	FNIP1	0,028	6,031	0,96687	1	folliculin interacting protein 1		Cytoplasm	other
10433	VP513C	0,028	8,534	0,93751	1	vacuolar protein sorting 13 homolog C (S. cerevisiae)		Cytoplasm	other
10434	FAM328	0,028	2,057	1	1	family with sequence similarity 32, member 8 (pseudogene)		Other	other
10435	EH01	0,028	6,578	0,96116	1	EH-domain containing 1		Cytoplasm	other
10436	OSTCP5	0,028	3,477	1	1	oligosaccharyltransferase complex subunit pseudogene 5		Other	other
10437	COMMD9	0,027	6,212	0,96781	1	COMMD domain containing 9		Other	other
10438	SNRPD2	0,027	7,424	0,94093	1	small nuclear ribonucleoprotein D2 polypeptide 16.5kDa		Nucleus	other
10439	GATAD1	0,027	5,739	0,97389	1	GATA zinc finger domain containing 1		Nucleus	other
10440	TMEM9	0,027	5,334	0,98569	1	transmembrane protein 9		Cytoplasm	other
10441	BYSL	0,027	4,298	1	1	bystin-like		Nucleus	other
10442	SYNCRIP	0,027	7,609	0,94373	1	synaptotagmin binding, cytoplasmic RNA interacting protein		Nucleus	other
10443	PSTPIP1	0,027	5,738	0,9782	1	proline-serine-threonine phosphatase interacting protein 1		Cytoplasm	other
10444	PCM1	0,027	8,872	0,9457	1	pericentriolar material 1		Cytoplasm	other
10445	HSD17B4	0,027	6,892	0,96158	1	hydroxysteroid (17-beta) dehydrogenase 4		Cytoplasm	enzyme
10446	GOLM1	0,027	4,673	1	1	golgi membrane protein 1		Cytoplasm	other
10447	DHPS	0,027	7,521	0,94939	1	deoxyhypusine synthase		Cytoplasm	enzyme
10448	CRH1A	0,027	7,130	0,95822	1	crithosis, autosomal recessive 1A (cithin)		Nucleus	other
10449	PWWP2B	0,026	4,729	1	1	PWWP domain containing 2B		Nucleus	other
10450	CSNK1G3	0,026	6,688	0,96534	1	casein kinase 1, gamma 3		Cytoplasm	kinase
10451	LINC00667	0,026	6,984	0,95408	1	long intergenic non-protein coding RNA 667		Other	other
10452	FAM179B	0,026	6,465	0,97635	1	family with sequence similarity 179, member B		Extracellular Space	other
10453	LINC00243	0,026	3,205	1	1	long intergenic non-protein coding RNA 243		Other	other
10454	TBL2	0,026	5,772	0,9754	1	transducin (beta)-like 2		Plasma Membrane	other
10455	SFSWAP	0,026	6,699	0,96892	1	splicing factor, suppressor of white-apricot family		Nucleus	other
10456	ZFAND5	0,026	7,665	0,95158	1	zinc finger, AN1-type domain 5		Nucleus	other
10457	SIRT2	0,026	6,731	0,95764	1	sirtuin 2		Nucleus	transcription regulator
10458	PAK1IP1	0,025	5,903	0,98329	1	PAK1 interacting protein 1		Nucleus	other
10459	ASAP1	0,025	5,619	0,97413	1	ArfGAP with SH3 domain, ankyrin repeat and PH domain 1		Plasma Membrane	other
10460	TAB2	0,025	8,067	0,95388	1	TGF-beta activated kinase 1/MAP3K7 binding protein 2		Cytoplasm	other
10461	OS-mars	0,025	6,526	0,95933	1	1		Cytoplasm	other
10462	RRP7A	0,025	5,825	0,98946	1	ribosomal RNA processing 7 homolog A (S. cerevisiae)		Other	other
10463	FAM204A	0,025	6,547	0,9618	1	family with sequence similarity 204, member A		Other	other
10464	AARS2	0,025	4,870	1	1	alanyl-tRNA synthetase 2, mitochondrial		Cytoplasm	enzyme
10465	TCERG1	0,024	8,205	0,94916	1	transcription elongation regulator 1		Nucleus	transcription regulator
10466	MINK1	0,024	4,820	1	1	missshapen-like kinase 1		Cytoplasm	kinase
10467	RUNX2	0,024	6,335	0,97114	1	runx-related transcription factor 2		Nucleus	transcription regulator
10468	ADRBK1	0,024	8,364	0,95167	1	adrenergic, beta, receptor kinase 1		Cytoplasm	kinase
10469	YTHDF1	0,024	6,489	0,96086	1	YTH N(6)-methyladenosine RNA binding protein 1		Other	other
10470	CDC84	0,024	5,982	0,97566	1	colled-coil domain containing 84		Other	other
10471	CLorf93	0,024	4,900	1	1	chromosome 14 open reading frame 93		Other	other
10472	MFS01	0,023	6,390	0,976	1	major facilitator superfamily domain containing 1		Other	transporter
10473	E1F3E	0,023	8,197	0,94826	1	eukaryotic translation initiation factor 3, subunit E		Cytoplasm	other
10474	SNHG15	0,023	6,710	0,97235	1	small nucleolar RNA host gene 15		Other	other
10475	ARNT	0,023	6,197	0,96745	1	aryl hydrocarbon receptor nuclear translocator		Nucleus	transcription regulator
10476	RPL9P9	0,023	5,112	1	1	1			
10477	ZNF432	0,023	5,347	0,98637	1	zinc finger protein 432		Nucleus	other
10478	FAM134C	0,023	7,461	0,95799	1	family with sequence similarity 134, member C		Other	other
10479	UBA2	0,023	7,531	0,95821	1	ubiquitin-like modifier activating enzyme 2		Cytoplasm	enzyme
10480	NCOA2	0,022	6,935	0,96296	1	nuclear receptor coactivator 2		Nucleus	transcription regulator
10481	IL7	0,022	2,219	1	1	interleukin 7		Extracellular Space	cytokine
10482	RPN2	0,022	9,138	0,95326	1	ribophorin II		Cytoplasm	enzyme
10483	RHBDD1	0,022	5,890	0,98863	1	rhomboid domain containing 1		Extracellular Space	peptidase
10484	SVAP23	0,022	7,029	0,96462	1	synaptosomal-associated protein, 23kDa		Plasma Membrane	transporter
10485	COWCP1	0,021	2,703	1	1	cytochrome c oxidase subunit VIc pseudogene 1		Other	other
10486	UBXN1	0,021	8,555	0,95086	1	UBX domain protein 1		Cytoplasm	other
10487	SAE1	0,021	6,774	0,97192	1	SUMO1 activating enzyme subunit 1		Cytoplasm	enzyme
10488	MAP3K4	0,021	6,647	0,97509	1	mitogen-activated protein kinase kinase kinase 4		Cytoplasm	kinase
10489	TICAM1	0,021	4,091	1	1	tol-like receptor adaptor molecule 1		Nucleus	other
10490	PTMAP5	0,021	5,641	0,98523	1	prothymosin, alpha pseudogene 5		Other	other
10491	ZNF277	0,020	6,205	0,97724	1	zinc finger protein 277		Nucleus	transcription regulator
10492	SFXN2	0,019	4,025	1	1	sideroflexin 2		Cytoplasm	transporter
10493	TMOD3	0,019	7,449	0,96219	1	tropomodulin 3 (ubiquitous)		Cytoplasm	other
10494	PLP2	0,019	8,382	0,95773	1	proteolipid protein 2 (colonic epithelium-enriched)		Cytoplasm	transporter
10495	CSNK1E	0,019	6,268	0,97902	1	casein kinase 1, epsilon		Cytoplasm	kinase
10496	ARS6	0,019	5,020	1	1	aryl sulfatase 6		Cytoplasm	enzyme
10497	TMEM184C	0,019	6,490	0,98445	1	transmembrane protein 184C		Other	other
10498	SP110	0,019	7,610	0,96319	1	SP110 nuclear body protein		Nucleus	other
10499	BTN3A1	0,019	8,287	0,96319	1	butyrophilin, subfamily 3, member A1		Extracellular Space	other
10500	CHD3	0,019	7,284	0,97365	1	chromodomain helicase DNA binding protein 3		Nucleus	enzyme
10501	PYROXD2	0,019	3,888	1	1	pyridine nucleotide-disulphide oxidoreductase domain 2		Other	other
10502	ITGA5	0,018	7,102	0,96722	1	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)		Plasma Membrane	transmembrane receptor
10503	PTPA42P1	0,018	4,523	1	1	protein tyrosine phosphatase type IVA, member 2 pseudogene 1		Other	other
10504	RFG	0,018	4,341	1	1	RFG O-fucosyl(pectate 3-beta-N-acetylglucosaminyl)transferase		Cytoplasm	enzyme
10505	HELQ	0,018	6,758	0,97852	1	helicase, POLQ-like		Nucleus	enzyme
10506	ARL3	0,018	4,466	1	1	ADP-ribosylation factor-like 3		Cytoplasm	enzyme
10507	RFT1	0,018	5,151	1	1	RFT1 homolog (S. cerevisiae)		Other	other
10508	ADAM1A	0,018	3,932	1	1	ADAM metalloproteinase domain 1A (pseudogene)		Other	other
10509	MPST	0,017	5,242	1	1	mercaptopyruvate sulfurtransferase		Cytoplasm	enzyme
10510	DBT	0,017	5,446	1	1	dihydrolipoamide branched chain transacylase E2		Cytoplasm	enzyme
10511	POLR3E	0,017	6,381	0,98991	1	polymerase (RNA) III (DNA directed) polypeptide E (B0K0)		Nucleus	transcription regulator
10512	UCN	0,017	2,254	1	1	urocortin		Extracellular Space	other
10513	NOL11	0,017	7,257	0,97178	1	nucleolar protein 11		Nucleus	other
10514	DHRX5	0,017	4,866	1	1	dehydrogenase/reductase (SDR family) X-linked		Other	enzyme
10515	GOLGA7	0,016	7,336	0,9657	1	golgin A7		Cytoplasm	other
10516	SERPINE1	0,016	3,334	1	1	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1		Extracellular Space	other
10517	RBPJ	0,016	8,315	0,96353	1	recombination signal binding protein for immunoglobulin kappa J region		Nucleus	transcription regulator
10518	TUT1	0,016	5,793	1	1	terminal uridylyl transferase 1, U6 snRNA-specific		Nucleus	enzyme
10519	RNF24	0,016	7,191	0,97379	1	ring finger protein 24		Other	other
10520	FAM103A1	0,016	3,088	1	1	family with sequence similarity 103, member A1		Nucleus	other
10521	CRIPAK	0,016	5,313	1	1	cysteine-rich PAK1 inhibitor		Other	other
10522	CMIP	0,015	3,496	1	1	c-Maf inducing protein		Cytoplasm	other
10523	POLA2	0,015	4,474	1	1	polymerase (DNA directed), alpha 2, accessory subunit		Nucleus	enzyme
10524	EEF1A1P5	0,015	5,183	1	1	eukaryotic translation elongation factor 1 alpha 1 pseudogene 5		Other	other
10525	EVL	0,015	8,608	0,97175	1	Enh/Vasp-like		Plasma Membrane	other
10526	LRMP	0,015	7,092	0,98045	1	lymphoid-restricted membrane protein		Cytoplasm	other
10527	POLM	0,015	6,064	0,98857	1	polymerase (DNA directed), mu		Nucleus	enzyme
10528	RACGAP1	0,014	4,369	1	1	Rac GTPase activating protein 1		Cytoplasm	transporter
10529	CXorf38	0,014	6,708	0,98301	1	chromosome X open reading frame 38		Other	other
10530	SLC25A16	0,014	4,735	1	1	solute carrier family 25 (mitochondrial carrier), member 16		Cytoplasm	transporter
10531	MAF	0,014	7,382	0,98721	1	v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog		Nucleus	transcription regulator
10532	RALGAPA1	0,014	6,673	0,98283	1	Ral GTPase activating protein, alpha subunit 1 (catalytic)		Cytoplasm	other
10533	CLorf43	0,013	5,502	0,98541	1	chromosome 12 open reading frame 43		Other	other
10534	MAP2K4	0,013	6,407	0,98952	1	mitogen-activated protein kinase kinase 4		Cytoplasm	kinase
10535	LINS	0,013	6,937	0,98447	1	lines homolog (Drosophila)		Other	other
10536	GT2H2C	0,013	2,486	1	1	GT2H2 family member C		Other	other
10537	UBE3A	0,013	7,176	0,97758	1	ubiquitin protein ligase E3A		Nucleus	enzyme
10538	AIM1L	0,013	2,511	1	1	absent in melanoma 1-like		Extracellular Space	other
10539	JKAMP	0,013	7,117	0,98572	1	JNK1/MAPK8-associated membrane protein		Cytoplasm	other
10540	DNAJC21	0,012	7,153	0,97756	1	DnaJ (Hsp40) homolog, subfamily C, member 21		Other	other
10541	SS18L2	0,012	6,344	0,98928	1	synovial sarcoma translocation gene on chromosome 18-like 2		Other	other
10542	ARFGAP2	0,012	7,910	0,97633	1	ADP-ribosylation factor GTPase activating protein 2		Nucleus	other
10543	FAM548	0,012	6,261	0,9892	1	mitochondrial fission regulator 1-like		Other	other
10544	SEH1L	0,011	6,060	0,98856	1	SEH1-like (S. cerevisiae)		Cytoplasm	transporter
10545	PHKG1	0,011	2,609	1	1	phosphorylase kinase, gamma 1 (muscle)		Cytoplasm	kinase
10546	NAP1L1	0,011	8,665	0,97651	1	nucleosome assembly protein 1-like 1		Nucleus	other
10547	C2orf29	0,011	6,300	1	1	CCR4-NOT transcription complex, subunit 11		Cytoplasm	other
10548	RANBP2	0,011	7,901	0,97716	1	RAN binding protein 2		Nucleus	enzyme
10549	AMD1	0,011	6,576	0,99086	1	adenosylmethionine decarboxylase 1		Cytoplasm	enzyme
10550	PIGL	0,011	6,234	0,99145	1	phosphatidylinositol glycan anchor biosynthesis, class L		Cytoplasm	enzyme
10551	METAP2	0,011	7,078	0,98529	1	methionyl aminopeptidase 2		Cytoplasm	peptidase
10552	RBM48P1	0,011	1,979	1	1	RNA binding motif protein 48 pseudogene 1		Other	other
10553	FAM60CP	0,011	3,854	1	1	family with sequence similarity 60, member C pseudogene		Other	other
10554	RPL24	0,011	6,845	0,99159	1	ribosomal protein L24		Cytoplasm	other
10555	BZW1	0,011	7,131	0,9854	1	basic leucine zipper and W2 domains 1		Cytoplasm	translation regulator
10556	ADC3K	0,011	6,637	0,99127	1	aaarf domain containing kinase 3		Cytoplasm	kinase
10557	RASSF2	0,011	6,954	0,99426	1	Ras association (RasGDS/AF-6) domain family member 2		Nucleus	other
10558	SETD5	0,010	8,023	0,98361	1	SET domain containing 5		Other	other
10559	FNTA	0,010	7,602	0,98307	1	farnesyltransferase, CAAX box, alpha		Cytoplasm	enzyme

10560	CYBASC3	0,010	5,911	1	1	cytochrome b561 family, member A3	Cytoplasm	other
10561	RABGAP1L	0,010	8,494	0,98083	1	RAB GTPase activating protein 1-like	Cytoplasm	other
10562	NADK	0,010	5,135	1	1	NAD kinase	Cytoplasm	kinase
10563	RPL13AP5	0,009	6,563	0,99033	1	ribosomal protein L13a pseudogene 5	Other	other
10564	VEGFA	0,009	4,871	1	1	vascular endothelial growth factor A	Extracellular Space	growth factor
10565	THAP7	0,009	6,374	0,99023	1	THAP domain containing 7	Nucleus	transcription regulator
10566	DSTN	0,009	7,219	0,98539	1	destinin (actin depolymerizing factor)	Cytoplasm	other
10567	NCOR1	0,009	9,277	0,97998	1	nuclear receptor corepressor 1	Nucleus	transcription regulator
10568	RRM1	0,009	6,972	0,98815	1	ribonucleotide reductase M1	Nucleus	enzyme
10569	ZFP90	0,009	7,092	0,99305	1	ZFP90 zinc finger protein	Nucleus	other
10570	RNF20	0,008	6,570	0,9907	1	ring finger protein 20, E3 ubiquitin protein ligase	Nucleus	enzyme
10571	SREBF2	0,008	7,130	0,99378	1	sterol regulatory element binding transcription factor 2	Nucleus	transcription regulator
10572	OTUD7A	0,007	4,450	1	1	OTU deubiquitinase 7A	Cytoplasm	peptidase
10573	C17orf101	0,007	4,858	1	1	2-oxoglutarate and iron-dependent oxygenase domain containing 3	Cytoplasm	enzyme
10574	TP73-AS1	0,006	4,563	1	1	TP73 antisense RNA 1	Other	other
10575	CBFA2T2	0,006	6,600	0,99238	1	core-binding factor, runt domain, alpha subunit 2; translocated to, 2	Nucleus	transcription regulator
10576	AFF1	0,006	6,698	1	1	AF4/FMR2 family, member 1	Nucleus	transcription regulator
10577	SRPRB	0,006	7,188	0,99494	1	signal recognition particle receptor, B subunit	Cytoplasm	other
10578	RBM15B	0,006	6,528	1	1	RNA binding motif protein 15B	Nucleus	other
10579	FUT8	0,006	4,695	1	1	fucosyltransferase 8 (alpha (1,6) fucosyltransferase)	Cytoplasm	enzyme
10580	FAM76B	0,006	6,587	1	1	family with sequence similarity 76, member B	Nucleus	other
10581	FAM133B	0,006	4,774	1	1	family with sequence similarity 133, member B	Other	other
10582	FTO-IT1	0,006	2,254	1	1	FTO intronic transcript 1	Other	other
10583	DDX17	0,006	9,302	0,9895	1	DEAD (Asp-Glu-Ala-Asp) box helicase 17	Nucleus	enzyme
10584	ERBB2IP	0,006	7,904	0,99038	1	erbB2 interacting protein	Plasma Membrane	other
10585	CDK17	0,006	7,152	1	1	cyclin-dependent kinase 17	Cytoplasm	kinase
10586	LSM4	0,005	6,957	1	1	LSM4 homolog, U6 small nuclear RNA associated (S. cerevisiae)	Nucleus	other
10587	ANKRD17	0,005	8,058	0,99198	1	ankyrin repeat domain 17	Nucleus	other
10588	TMEM183A	0,005	5,796	1	1	transmembrane protein 183A	Other	other
10589	C22orf39	0,005	6,199	1	1	chromosome 22 open reading frame 39	Other	other
10590	PTHF1	0,005	6,780	1	1	putative homeodomain transcription factor 1	Nucleus	transcription regulator
10591	USP63	0,004	6,876	1	1	ubiquitin specific peptidase 53	Extracellular Space	enzyme
10592	DHPS	0,004	5,879	1	1	diphthamide biosynthesis 5	Cytoplasm	enzyme
10593	UAP1L1	0,004	4,910	1	1	UDP-N-acetylglucosamine pyrophosphorylase 1 like 1	Other	other
10594	FYCD1	0,004	6,833	1	1	FYVE and coiled-coil domain containing 1	Cytoplasm	other
10595	SP2	0,004	4,466	1	1	Sp2 transcription factor	Nucleus	transcription regulator
10596	DHX35	0,004	3,676	1	1	DEAH (Asp-Glu-Ala-His) box polypeptide 35	Other	enzyme
10597	ZC3H12B	0,004	4,098	1	1	zinc finger CCHC-type containing 12B	Other	other
10598	OSOX2	0,004	3,206	1	1	quiescin Q6 sulfhydryl oxidase 2	Other	enzyme
10599	MT-ND1	0,004	9,062	0,9939	1	NADH dehydrogenase, subunit 1 (complex I)	Cytoplasm	enzyme
10600	MTF1	0,003	6,340	1	1	metal-regulatory transcription factor 1	Nucleus	transcription regulator
10601	HADHB	0,003	7,570	1	1	hydroxyacyl-CoA dehydrogenase/3-ketoacyl-CoA thiolase/enoyl-CoA hydratase (trifunctional protein), beta subunit	Cytoplasm	enzyme
10602	NNT	0,003	7,300	1	1	nicotinamide nucleotide transhydrogenase	Cytoplasm	enzyme
10603	AEN	0,003	5,342	1	1	apoptosis enhancing nuclease	Nucleus	enzyme
10604	COMM06	0,002	6,450	1	1	COMM domain containing 6	Other	other
10605	PKAR1B	0,002	3,027	1	1	protein kinase, cAMP-dependent, regulatory, type I, beta	Cytoplasm	kinase
10606	ANGEL2	0,002	6,067	1	1	angel homolog 2 (Drosophila)	Nucleus	other
10607	AKAP13	0,002	9,255	0,99719	1	A kinase (PRKA) anchor protein 13	Cytoplasm	other
10608	GEMIN6	0,002	4,166	1	1	gem (nuclear organelle) associated protein 6	Nucleus	other
10609	C19orf6	0,002	6,657	1	1	transmembrane protein 259	Other	other
10610	TBC1D17	0,002	5,552	1	1	TBC1 domain family, member 17	Cytoplasm	other
10611	STK17A	0,002	8,147	1	1	serine/threonine kinase 17a	Nucleus	kinase
10612	RNF187	0,002	5,974	1	1	ring finger protein 187	Nucleus	enzyme
10613	PDPFR	0,002	5,870	1	1	pyruvate dehydrogenase phosphatase regulatory subunit	Cytoplasm	enzyme
10614	CDK6	0,002	6,711	1	1	cyclin-dependent kinase 6	Nucleus	kinase
10615	TMEM165	0,002	7,211	1	1	transmembrane protein 165	Plasma Membrane	other
10616	ATP5L	0,002	7,309	1	1	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit G	Other	enzyme
10617	TGAL	0,002	8,076	1	1	integrin, alpha L (antigen CD11A [p180], lymphocyte function-associated antigen 1; alpha polypeptide)	Plasma Membrane	transmembrane receptor
10618	PIK3CD	0,001	7,110	1	1	phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit delta	Cytoplasm	kinase
10619	CHD2	0,001	8,638	0,99979	1	chromodomain helicase DNA binding protein 2	Nucleus	enzyme
10620	UQCRC2	0,001	8,003	1	1	ubiquinol-cytochrome c reductase core protein II	Cytoplasm	enzyme
10621	SPATA6L	0,001	1,849	1	1	spermatogenesis associated 6-like	Other	other
10622	GPATCH8	0,001	7,640	1	1	G patch domain containing 8	Other	other
10623	UCKL1	0,001	6,686	1	1	uridine-cytidine kinase 1-like 1	Cytoplasm	kinase
10624	AES	0,001	7,986	1	1	amino-terminal enhancer of split	Nucleus	transcription regulator
10625	CEP57	0,001	7,628	1	1	centrosomal protein 57kDa	Cytoplasm	other
10626	YTHDC2	0,001	6,984	1	1	YTH domain containing 2	Cytoplasm	enzyme
10627	THOC2	0,001	8,868	1	1	THO complex 2	Nucleus	other
10628	PROX2	0,001	6,694	1	1	peroxiredoxin 2	Cytoplasm	enzyme
10629	NACA	0,000	8,011	1	1	nascent polypeptide-associated complex alpha subunit	Cytoplasm	transcription regulator
10630	PNKP	0,000	5,711	1	1	polynucleotide kinase 3'-phosphatase	Nucleus	kinase
10631	RBM5	0,000	8,684	1	1	RNA binding motif protein 5	Nucleus	other
10632	NACA2	0,000	5,749	1	1	nascent polypeptide-associated complex alpha subunit 2	Other	other
10633	CCDC115	0,000	6,872	1	1	coiled-coil domain containing 115	Cytoplasm	peptidase
10634	ESPL1	0,000	2,748	1	1	extra spindle pole bodies homolog 1 (S. cerevisiae)	Nucleus	peptidase
10635	STXBP2	-0,001	5,666	1	1	syntaphin binding protein 2	Plasma Membrane	transporter
10636	PAN3	-0,001	6,738	1	1	PAN3 poly(A) specific ribonuclease subunit	Cytoplasm	other
10637	TBP	-0,001	6,281	1	1	TATA box binding protein	Nucleus	transcription regulator
10638	NUDCD1	-0,001	5,694	1	1	NudC domain containing 1	Nucleus	other
10639	C1orf35	-0,001	5,352	1	1	chromosome 1 open reading frame 35	Other	other
10640	DHX36	-0,001	7,914	1	1	DEAH (Asp-Glu-Ala-His) box polypeptide 36	Cytoplasm	enzyme
10641	ZNF331	-0,001	6,808	1	1	zinc finger protein 331	Cytoplasm	other
10642	HNRNP3	-0,002	7,510	1	1	heterogeneous nuclear ribonucleoprotein H3 (2H9)	Nucleus	other
10643	MLH3	-0,002	6,053	1	1	mutL homolog 3	Nucleus	other
10644	MAP3K5	-0,002	6,139	1	1	mitogen-activated protein kinase kinase kinase 5	Cytoplasm	kinase
10645	SLC39A9	-0,002	7,139	1	1	solute carrier family 39, member 9	Other	transporter
10646	ASAH1	-0,002	7,154	1	1	N-acylsphingosine amidohydrolase (acid ceramidase) 1	Cytoplasm	enzyme
10647	PIK3C2A	-0,002	6,497	1	1	phosphatidylinositol-4-phosphate 3-kinase, catalytic subunit type 2 alpha	Cytoplasm	kinase
10648	ARAP1	-0,002	6,054	1	1	ARF GAP with RhoGAP domain, ankyrin repeat and PH domain 1	Cytoplasm	other
10649	UBE2V2	-0,002	6,976	1	1	ubiquitin-conjugating enzyme E2 variant 2	Cytoplasm	enzyme
10650	PAICSPA	-0,003	4,018	1	1	phosphoribosylaminimidazole carboxylase, phosphoribosylaminimidazole succinocarboxamide synthetase pseudogene 4	Other	other
10651	HMGB1P15	-0,003	1,811	1	1	high mobility group box 1 pseudogene 19	Other	other
10652	RPS19	-0,003	8,724	0,99607	1	ribosomal protein S19	Cytoplasm	other
10653	HDHD2	-0,003	4,962	1	1	haloacid dehalogenase-like hydrolase domain containing 2	Cytoplasm	other
10654	RAD23B	-0,003	5,197	1	1	RAD23 homolog B (S. cerevisiae)	Nucleus	other
10655	HSPA7	-0,003	2,208	1	1	heat shock 70kDa protein 7 (HSP70B)	Cytoplasm	other
10656	RAB6A	-0,004	6,985	1	1	RAB6A, member RAS oncogene family	Cytoplasm	enzyme
10657	USO1	-0,004	7,874	0,99545	1	USO1 vesicle transport factor	Cytoplasm	transporter
10658	RPL18	-0,004	8,520	0,99311	1	ribosomal protein L18	Cytoplasm	other
10659	CCDC71L	-0,004	4,919	1	1	coiled-coil domain containing 71-like	Other	other
10660	MIA3	-0,004	8,125	0,99209	1	melanoma inhibitory activity family, member 3	Cytoplasm	other
10661	CUL4A	-0,004	7,565	0,99402	1	culin 4A	Nucleus	other
10662	API5	-0,004	7,578	0,99484	1	apoptosis inhibitor 5	Cytoplasm	other
10663	LYST	-0,005	8,333	0,99323	1	lysosomal trafficking regulator	Cytoplasm	transporter
10664	VDAC1P2	-0,005	2,623	1	1	voltage-dependent anion channel 1 pseudogene 2	Other	other
10665	MCS	-0,005	6,915	0,99339	1	hepatocyte growth factor-regulated tyrosine kinase substrate	Cytoplasm	other
10666	HECTD4	-0,005	9,363	1	1	HECT domain containing E3 ubiquitin protein ligase 4	Nucleus	other
10667	ANKLE2	-0,005	7,663	0,99483	1	ankyrin repeat and LEM domain containing 2	Nucleus	transcription regulator
10668	PIK3CA	-0,005	6,697	1	1	phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit alpha	Cytoplasm	kinase
10669	NCOA6	-0,005	7,267	0,99442	1	nuclear receptor coactivator 6	Nucleus	transcription regulator
10670	SNIP1	-0,005	5,405	1	1	Smad nuclear interacting protein 1	Nucleus	other
10671	O6-mars	-0,006	8,141	0,98853	1			
10672	NAA25	-0,006	6,741	0,9921	1	N(alpha)-acetyltransferase 25, NatB auxiliary subunit	Cytoplasm	other
10673	PIK3R5	-0,006	5,970	1	1	phosphoinositide 3-kinase, regulatory subunit 5	Cytoplasm	kinase
10674	CRADD	-0,006	4,892	1	1	CASP2 and RIPK1 domain containing adaptor with death domain	Cytoplasm	other
10675	SUCLA2P3	-0,007	2,207	1	1	succinate-CoA ligase, ADP-forming, beta subunit pseudogene 3	Other	other
10676	ZFYVE16	-0,007	6,198	1	1	zinc finger, FYVE domain containing 16	Nucleus	transporter
10677	KLHL9	-0,007	7,241	0,99317	1	kelch-like family member 9	Cytoplasm	other
10678	TAF2	-0,007	7,232	0,99276	1	TAF2 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 150kDa	Nucleus	transcription regulator
10679	IL21R	-0,007	5,008	1	1	interleukin 21 receptor	Plasma Membrane	transmembrane receptor
10680	CNPE1	-0,007	7,952	0,99197	1	caprin 1	Nucleus	transporter
10681	GCN1L1	-0,007	7,124	0,99334	1	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	Cytoplasm	translation regulator
10682	AASDHPPT	-0,008	6,498	0,99055	1	aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	Cytoplasm	enzyme
10683	DDX46	-0,008	7,519	0,98855	1	DEAD (Asp-Glu-Ala-Asp) box polypeptide 46	Nucleus	enzyme
10684	FAM117A	-0,008	5,254	1	1	family with sequence similarity 117, member A	Other	transporter
10685	SPDYA	-0,008	3,914	1	1	speedy/RINGO cell cycle regulator family member A	Nucleus	other
10686	MCFD2	-0,008	6,853	0,9921	1	multiple coagulation factor deficiency 2	Cytoplasm	other
10687	DTNBP1	-0,008	5,828	1	1	dystrobrevin binding protein 1	Plasma Membrane	other
10688	C3orf153	-0,008	1,890	1	1	chromosome 9 open reading frame 153	Other	other
10689	ARFGAP3	-0,008	7,656	0,98452	1	ADP-ribosylation factor GTPase activating protein 3	Cytoplasm	transporter
10690	SP100	-0,009	9,169	0,98151	1	SP100 nuclear antigen	Nucleus	transcription regulator
10691	TAF1D	-0,009	7,260	0,98694	1	TATA box binding protein (TBP)-associated factor, RNA polymerase I, D, 41kDa	Nucleus	other

10692	RBM28	-0.009	6,873	0.98264	1	RNA binding motif protein 28	Nucleus	other
10693	HMGB1P3	-0.009	2,569	1	1	high mobility group box 1 pseudogene 3	Other	other
10694	FAAH	-0.009	2,919	1	1	fatty acid amide hydrolase	Plasma Membrane	enzyme
10695	ITM2A	-0.010	7,320	0.98656	1	integral membrane protein 2A	Plasma Membrane	other
10696	SNX20	-0.010	7,073	0.99268	1	sorting nexin 20	Other	other
10697	PDCD11	-0.010	6,020	1	1	programmed cell death 11	Nucleus	enzyme
10698	PAFAH1B2	-0.010	6,698	0.99129	1	platelet-activating factor acetylhydrolase 1b, catalytic subunit 2 (800Da)	Cytoplasm	enzyme
10699	SUCLA2	-0.010	5,991	1	1	succinate-CoA ligase, ADP-forming, beta subunit	Cytoplasm	enzyme
10700	NME4	-0.010	4,873	1	1	NME/AM23 nucleoside diphosphate kinase 4	Cytoplasm	kinase
10701	DCAF10	-0.010	6,477	0.99006	1	DDB1 and CUL4 associated factor 10	Other	other
10702	RBM12	-0.010	6,866	0.99235	1	RNA binding motif protein 12	Nucleus	other
10703	UHRF2	-0.011	7,027	0.98572	1	ubiquitin-like with PHD and ring finger domains 2, E3 ubiquitin protein ligase	Nucleus	enzyme
10704	PIM3	-0.011	6,637	0.99364	1	Pim-3 proto-oncogene, serine/threonine kinase	Other	kinase
10705	TMED8	-0.011	5,512	1	1	transmembrane emp24 protein transport domain containing 8	Other	other
10706	PIPAK2C	-0.011	6,265	0.99103	1	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	Cytoplasm	kinase
10707	RFXANK	-0.011	4,744	1	1	regulatory factor X-associated ankyrin-containing protein	Nucleus	transcription regulator
10708	PKMP4	-0.011	2,437	1	1			
10709	CDK7	-0.011	5,901	1	1	cyclin-dependent kinase 7	Nucleus	kinase
10710	SPH1	-0.011	6,971	0.98574	1	SPH1 homolog, spindle assembly associated (yeast)	Cytoplasm	other
10711	ERC5C	-0.011	6,055	1	1	excision repair cross-complementation group 5	Nucleus	enzyme
10712	ETNK1	-0.011	8,398	0.97805	1	ethanolamine kinase 1	Cytoplasm	kinase
10713	RPL10P3	-0.012	2,254	1	1	ribosomal protein L10 pseudogene 3	Other	other
10714	MAGOH2	-0.012	2,501	1	1	mago-nashi homolog 2, pseudogene	Other	other
10715	MT-ND4	-0.012	10,302	0.97202	1	NADH dehydrogenase, subunit 4 (complex I)	Cytoplasm	enzyme
10716	IER3	-0.012	3,687	1	1	immediate early response 3	Cytoplasm	other
10717	SYF2	-0.012	7,463	0.98056	1	SYF2 pre-mRNA-splicing factor	Nucleus	other
10718	SEPW1	-0.012	6,443	0.9895	1	selenoprotein W, 1	Cytoplasm	enzyme
10719	TGFB11	-0.012	2,359	1	1	transforming growth factor beta 1 induced transcript 1	Nucleus	transcription regulator
10720	Clorf52	-0.012	6,316	0.98948	1	chromosome 1 open reading frame 52	Nucleus	other
10721	SERPINB9	-0.013	6,212	0.98888	1	serpin peptidase inhibitor, clade B (ovalbumin), member 9	Cytoplasm	other
10722	DECRI	-0.013	6,448	0.98979	1	2,4-dienoyl CoA reductase 1, mitochondrial	Cytoplasm	enzyme
10723	LAR94B	-0.013	8,990	0.97722	1	La ribonucleoprotein domain family, member 48	Cytoplasm	other
10724	ATP13A1	-0.013	6,954	0.97996	1	ATPase type 13A1	Extracellular Space	transporter
10725	CD46	-0.013	8,635	0.97102	1	CD46 molecule, complement regulatory protein	Plasma Membrane	other
10726	RYBP	-0.013	5,940	0.98799	1	RING1 and YY1 binding protein	Nucleus	transcription regulator
10727	PANK4	-0.014	5,777	1	1	pantothenate kinase 4	Cytoplasm	kinase
10728	N4BP2L1	-0.014	6,047	0.98909	1	NEDD4 binding protein 2-like 1	Other	other
10729	PRMT10	-0.014	6,745	0.98737	1	protein arginine methyltransferase 9	Other	other
10730	MRPL16	-0.014	6,417	0.97886	1	mitochondrial ribosomal protein L16	Cytoplasm	other
10731	TMEM204	-0.014	6,120	0.99156	1	transmembrane protein 204	Plasma Membrane	other
10732	ANKMY2	-0.014	5,801	0.98829	1	ankyrin repeat and MYND domain containing 2	Plasma Membrane	other
10733	UBR4	-0.014	8,308	0.97262	1	ubiquitin protein ligase E3 component n-recognin 4	Nucleus	enzyme
10734	IMPDH2	-0.014	8,344	0.97035	1	IMP (inosine 5'-monophosphate) dehydrogenase 2	Cytoplasm	enzyme
10735	RBAX	-0.014	5,907	0.98927	1	RB-associated KIRAB zinc finger	Nucleus	transcription regulator
10736	PCGF3	-0.014	6,838	0.98755	1	polycomb group ring finger 3	Nucleus	other
10737	REEP3	-0.014	6,083	0.98956	1	receptor accessory protein 3	Other	other
10738	POLR1E	-0.015	5,163	1	1	polymerase (RNA) I polypeptide E, 530Da	Nucleus	enzyme
10739	CEP44	-0.015	5,655	0.98797	1	centrosomal protein 44kDa	Cytoplasm	other
10740	SPAST	-0.015	4,943	1	1	spastin	Nucleus	enzyme
10741	IMMPL1	-0.015	3,469	1	1	IMP1 inner mitochondrial membrane peptidase-like (S. cerevisiae)	Cytoplasm	other
10742	AFG3L2P1	-0.015	2,563	1	1	AFG3-like AAA ATPase 2 pseudogene 1	Other	other
10743	NUP98	-0.015	8,016	0.96917	1	nucleoporin 98kDa	Nucleus	transporter
10744	GLUD1	-0.016	6,744	0.98219	1	glutamate dehydrogenase 1	Cytoplasm	enzyme
10745	LTK	-0.016	3,463	1	1	leukocyte receptor tyrosine kinase	Plasma Membrane	kinase
10746	RALGAPA1	-0.016	5,935	0.98723	1	Ral GTPase activating protein, alpha subunit 1 (catalytic) pseudogene	Other	other
10747	SGTA	-0.016	6,505	0.98119	1	small glutamine-rich tetrapeptide repeat (TPR)-containing, alpha	Cytoplasm	other
10748	THOC7	-0.016	6,216	0.98873	1	THO complex 7	Nucleus	other
10749	CB2	-0.016	2,175	1	1	calcium and integrin binding family member 2	Other	kinase
10750	PTK2	-0.016	6,333	0.9816	1	protein tyrosine kinase 2	Cytoplasm	kinase
10751	COX7C	-0.017	6,820	0.97332	1	cytochrome c oxidase subunit VIIc	Cytoplasm	enzyme
10752	FAM58DP	-0.017	2,124	1	1	family with sequence similarity 58, member A pseudogene	Other	other
10753	CDC14B	-0.017	3,461	1	1	cell division cycle 14B	Nucleus	phosphatase
10754	SNX19	-0.017	6,565	0.97189	1	sorting nexin 19	Cytoplasm	transporter
10755	SNHG16	-0.017	4,992	1	1	small nucleolar RNA host gene 16	Other	other
10756	CARD11	-0.018	6,376	0.9814	1	caspase recruitment domain family, member 11	Cytoplasm	kinase
10757	NUP35	-0.018	5,075	1	1	nucleoporin 35kDa	Nucleus	transporter
10758	BET1	-0.018	6,645	0.97346	1	Bet1 golgi vesicular membrane trafficking protein	Cytoplasm	transporter
10759	GPR137	-0.018	5,223	0.98555	1	G protein-coupled receptor 137	Other	other
10760	UCRB	-0.018	6,698	0.98169	1	ubiquitin-cytochrome c reductase binding protein	Cytoplasm	enzyme
10761	RANGRF	-0.018	3,390	1	1	RAN guanine nucleotide release factor	Nucleus	transporter
10762	THAP4	-0.018	5,827	0.9884	1	THAP domain containing 4	Extracellular Space	other
10763	ARF4	-0.018	7,914	0.96702	1	ADP-ribosylation factor 4	Cytoplasm	enzyme
10764	GAPDHP64	-0.018	2,154	1	1	glyceraldehyde-3-phosphate dehydrogenase pseudogene 64	Other	other
10765	WDR36	-0.018	6,570	0.97699	1	WD repeat domain 36	Extracellular Space	other
10766	ZNF649	-0.018	4,536	1	1	zinc finger protein 649	Nucleus	other
10767	ATG4C	-0.018	5,019	1	1	autophagy related 4C, cysteine peptidase	Cytoplasm	peptidase
10768	PPP5K2	-0.019	7,810	0.9637	1	diphosphoinositol pentakisphosphate kinase 2	Cytoplasm	kinase
10769	Clorf223	-0.019	6,567	0.98045	1	transmembrane protein 263	Other	other
10770	SLC25ASP5	-0.019	1,819	1	1	solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 5 pseudogene 5	Other	other
10771	TMEM110	-0.019	1,819	1	1	transmembrane protein 110	Other	other
10772	TNTAP2	-0.019	3,315	1	1	transyltransferase, CAAM box, alpha pseudogene 2	Other	other
10773	MAK	-0.019	3,470	1	1	male germ cell-associated kinase	Cytoplasm	kinase
10774	APFH	-0.019	7,081	0.97323	1	acylaminoacyl-peptide hydrolase	Cytoplasm	peptidase
10775	PTBP3	-0.019	7,948	0.96258	1	polypyrimidine tract binding protein 3	Nucleus	other
10776	ARID4A	-0.019	8,191	0.96178	1	AT rich interactive domain 4A (RBP1-like)	Nucleus	transcription regulator
10777	NUPF2	-0.019	7,335	0.96605	1	nuclear fragile X mental retardation protein interacting protein 2	Cytoplasm	other
10778	HOMX9	-0.020	2,065	1	1	homeobox A9	Nucleus	transcription regulator
10779	ZNF576	-0.020	3,487	1	1	zinc finger protein 576	Nucleus	other
10780	MYL12A	-0.020	8,211	0.95763	1	myosin, light chain 12A, regulatory, non-sarcomeric	Cytoplasm	other
10781	RARRES3	-0.020	8,269	0.95814	1	retinoic acid receptor responder (tazarotene induced) 3	Cytoplasm	enzyme
10782	ACTG1P10	-0.020	2,631	1	1	actin gamma 1 pseudogene 10	Other	other
10783	PIK3R4	-0.020	6,738	0.9708	1	phosphoinositide-3-kinase, regulatory subunit 4	Cytoplasm	kinase
10784	TOR2	-0.020	6,419	0.97917	1	transducer of ERBB2, 2	Nucleus	other
10785	LANCL2	-0.021	3,693	1	1	Laurel inhibitory synthetase component C-like 2 (bacterial)	Plasma Membrane	other
10786	SERPINI1	-0.021	3,557	1	1	serpin peptidase inhibitor, clade I (neuroserpin), member 1	Extracellular Space	other
10787	GIMAP1	-0.021	6,805	0.96996	1	GTPase, RMAP family member 1	Cytoplasm	other
10788	AMT	-0.021	3,270	1	1	aminomethyltransferase	Cytoplasm	enzyme
10789	ZNF234	-0.021	5,809	0.98861	1	zinc finger protein 234	Nucleus	other
10790	ZNF558	-0.022	5,977	0.9936	1	zinc finger protein 558	Nucleus	other
10791	RPLP0	-0.022	8,309	0.9526	1	ribosomal protein, large, P0	Cytoplasm	other
10792	DDX3YP3	-0.022	2,914	1	1	DEAD (Asp-Glu-Ala-Asp) box polypeptide 3, pseudogene 3	Other	other
10793	VAV1	-0.022	6,255	0.96793	1	vav 1 guanine nucleotide exchange factor	Nucleus	transcription regulator
10794	COP53	-0.022	7,189	0.95873	1	COP9 signalosome subunit 3	Cytoplasm	other
10795	MYD88	-0.022	8,032	0.957	1	myeloid differentiation primary response 88	Plasma Membrane	other
10796	TMEM22	-0.022	6,223	0.96798	1	translocase of inner mitochondrial membrane 22 homolog (yeast)	Cytoplasm	transporter
10797	TSTO2	-0.022	5,460	0.98825	1	thiosulfate sulfotransferase (rhodanese)-like domain containing 2	Other	other
10798	SAMSN1	-0.023	9,194	0.96092	1	SAM domain, SH3 domain and nuclear localization signals 1	Nucleus	other
10799	ZBTB22	-0.023	3,796	1	1	zinc finger and BTB domain containing 22	Nucleus	other
10800	UAP1	-0.023	6,121	0.98203	1	UDP-N-acetylglucosamine pyrophosphorylase 1	Nucleus	enzyme
10801	ANAPC13	-0.023	6,466	0.97537	1	anaphase promoting complex subunit 13	Nucleus	other
10802	SECISBP2	-0.023	8,133	0.94918	1	SECIS binding protein 2	Cytoplasm	translation regulator
10803	TRGV9	-0.023	2,470	1	1	T cell receptor gamma variable 9	Other	other
10804	KIAA0913	-0.023	5,239	0.98902	1	zinc finger, SWIM-type containing 8	Extracellular Space	other
10805	ZNF148	-0.024	7,419	0.95017	1	zinc finger protein 148	Nucleus	transcription regulator
10806	DPAGT1	-0.024	7,026	0.9677	1	dolichyl-phosphate (UDP-N-acetylglucosamine) N-acetylglucosaminophosphotransferase 1 (GlcNAc-1-P transferase)	Cytoplasm	enzyme
10807	Clorf52	-0.024	5,328	1	1	small integral membrane protein 20	Other	other
10808	CREB1	-0.024	7,705	0.94994	1	cAMP responsive element binding protein 1	Nucleus	transcription regulator
10809	TTC31	-0.024	6,427	0.97208	1	tetratricopeptide repeat domain 31	Other	other
10810	RPS9	-0.024	7,994	0.95043	1	ribosomal protein S9	Cytoplasm	other
10811	TRAU42	-0.024	1,886	1	1	T cell receptor alpha joining 42	Other	other
10812	GTPBP5	-0.024	5,165	1	1	mitochondrial ribosome-associated GTPase 2	Cytoplasm	enzyme
10813	CKN1B	-0.024	5,200	0.98244	1	cyclin-dependent kinase inhibitor 1B [p27, Kip1]	Nucleus	kinase
10814	SDHAP1	-0.024	4,811	1	1	succinate dehydrogenase complex, subunit A, flavoprotein pseudogene 1	Other	other
10815	MEX3B	-0.024	2,313	1	1	mex-3 RNA binding family member 8	Other	kinase
10816	PDCL	-0.024	5,535	0.98491	1	phosducin-like	Cytoplasm	enzyme
10817	ANP32E	-0.025	7,502	0.94456	1	acidic (leucine-rich) nuclear phosphoprotein 32 family, member E	Nucleus	other
10818	MTHFD1P1	-0.025	2,880	1	1	methyltetrahydrofolate dehydrogenase (NADP+ dependent) 1 pseudogene 1	Other	other
10819	THRAP3	-0.025	8,378	0.94912	1	thyroid hormone receptor associated protein 3	Nucleus	transcription regulator
10820	C15orf61	-0.025	4,390	1	1	chromosome 15 open reading frame 61	Other	other
10821	AMID6	-0.025	7,290	0.94552	1	lumenal domain containing 6	Plasma Membrane	transmembrane receptor
10822	SAF9	-0.025	7,321	0.95557	1	scaffold attachment factor 9	Nucleus	other
10823	DCAF6	-0.026	6,085	0.97568	1	DDB1 and CUL4 associated factor 6	Nucleus	transcription regulator

10824	ZNF121	-0.026	6,782	0.95641	1	zinc finger protein 121		Nucleus	other
10825	RAB8A	-0.026	6,541	0.96174	1	RAB8A, member RAS oncogene family		Plasma Membrane	enzyme
10826	ZFR	-0.026	8,450	0.94469	1	zinc finger RNA binding protein		Nucleus	other
10827	MTF	-0.026	6,984	0.95131	1	mitochondrial fission factor		Cytoplasm	other
10828	MED7	-0.026	5,038	1	mediator complex subunit 7		Nucleus	transcription regulator	
10829	RIPK1	-0.026	7,223	0.94935	1	receptor (TNFRSF)-interacting serine-threonine kinase 1		Plasma Membrane	kinase
10830	FAU1P	-0.026	6,110	0.96325	1	F8R-MuSV-associated ubiquitously expressed (fox derived) pseudogene 1		Other	other
10831	ANXAS	-0.026	8,376	0.94655	1	anexin A5		Plasma Membrane	other
10832	BCL2L11	-0.026	5,584	0.9874	1	BCL2-like 11 (apoptosis facilitator)		Cytoplasm	other
10833	DERA	-0.027	5,154	0.98334	1	deoxyribose-phosphate aldolase (putative)		Cytoplasm	enzyme
10834	SPCS1	-0.027	7,369	0.9405	1	signal peptidase complex subunit 1 homolog (S. cerevisiae)		Cytoplasm	peptidase
10835	FBXW4	-0.027	5,891	0.95998	1	F-box and WD repeat domain containing 4		Other	other
10836	PKMP1	-0.027	4,804	0.98011	1	pyruvate kinase, muscle pseudogene 1		Other	other
10837	YWHAZ	-0.027	9,169	0.93381	1	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta		Cytoplasm	enzyme
10838	TROVE2	-0.027	8,046	0.93808	1	TROVE domain family, member 2		Nucleus	other
10839	CYB5R3	-0.027	7,048	0.94632	1	cytochrome b5 reductase 3		Cytoplasm	enzyme
10840	SAT2	-0.027	6,140	0.96743	1	spermidine/spermine N1-acetyltransferase family member 2		Plasma Membrane	enzyme
10841	CAPN1	-0.027	7,164	0.95994	1	calpain 1, (mu1) large subunit		Cytoplasm	peptidase
10842	POLR1B	-0.027	6,562	0.96693	1	polymerase (RNA) I polypeptide 8, 128kDa		Nucleus	enzyme
10843	ARHGAP26	-0.027	6,694	0.96078	1	Rho GTPase activating protein 26		Cytoplasm	other
10844	BLCAP	-0.027	6,993	0.94479	1	bladder cancer associated protein		Other	other
10845	RAB8B	-0.027	7,979	0.95791	1	RAB8B, member RAS oncogene family		Cytoplasm	enzyme
10846	SASS6	-0.028	4,664	0.97827	1	spindle assembly 6 homolog (C. elegans)		Cytoplasm	other
10847	VPS26B	-0.028	6,193	0.95768	1	vacuolar protein sorting 26 homolog B (S. pombe)		Cytoplasm	transporter
10848	ZNF555	-0.028	5,163	0.98725	1	zinc finger protein 555		Other	other
10849	GGA2	-0.028	7,725	0.95315	1	golgi-associated, gamma adaptin ear containing, ARF binding protein 2		Cytoplasm	transporter
10850	ROCK1	-0.028	8,190	0.93841	1	Rho-associated, coiled-coil containing protein kinase 1		Cytoplasm	kinase
10851	GRN	-0.029	5,147	0.9873	1	granulin		Extracellular Space	growth factor
10852	ANKRD42	-0.029	4,726	1	ankyrin repeat domain 42		Nucleus	transcription regulator	
10853	SFI	-0.029	8,218	0.93148	1	splicing factor 1		Nucleus	transcription regulator
10854	LGMM	-0.029	4,911	0.98414	1	legumain		Cytoplasm	peptidase
10855	CELF2	-0.029	8,172	0.9486	1	CUGBP, Elav-like family member 2		Nucleus	other
10856	ALKBH6	-0.029	3,795	1	alkB, alkylated repair homolog 6 (E. coli)		Other	other	
10857	EEF1A1P3	-0.030	5,874	0.96256	1	eukaryotic translation elongation factor 1 alpha 1 pseudogene 3		Other	other
10858	ZNF280D	-0.030	6,286	0.96866	1	zinc finger protein 280D		Other	other
10859	ZDHC8	-0.030	4,465	1	zinc finger, DHHC-type containing 8		Cytoplasm	enzyme	
10860	GPR89A	-0.030	3,682	1	G protein-coupled receptor 89A		Cytoplasm	ion channel	
10861	AIMP1	-0.030	6,813	0.94743	1	aminoacyl tRNA synthetase complex-interacting multifunctional protein 1		Extracellular Space	cytokine
10862	KIN	-0.031	6,132	0.95431	1	Kin17 DNA and RNA binding protein		Nucleus	other
10863	TP53BP2	-0.031	6,390	0.9588	1	tumor protein p53 binding protein 2		Nucleus	other
10864	LSM2	-0.031	6,042	0.96449	1	LSM2 homolog, U6 small nuclear RNA associated (S. cerevisiae)		Nucleus	other
10865	CNIH	-0.031	7,293	0.9428	1	conionin family AMPA receptor auxiliary protein 1		Plasma Membrane	other
10866	CNPF2	-0.032	4,069	1	canopy FGF signaling regulator 2		Plasma Membrane	other	
10867	COA1	-0.032	7,996	0.95129	1	cytochrome c oxidase assembly factor 1 homolog (S. cerevisiae)		Cytoplasm	other
10868	SLC25A45	-0.032	3,390	1	solute carrier family 25, member 45		Cytoplasm	transporter	
10869	FAM82B	-0.032	6,306	0.9586	1	regulator of microtubule dynamics 1		Cytoplasm	other
10870	GOLPH3L	-0.032	5,195	0.98275	1	golgi phosphoprotein 3-like		Cytoplasm	other
10871	ZYX	-0.032	6,938	0.94928	1	zyxin		Plasma Membrane	other
10872	PHKG2	-0.032	6,812	0.94398	1	phosphorylase kinase, gamma 2 (testis)		Cytoplasm	kinase
10873	C19orf12	-0.033	5,999	0.96694	1	chromosome 19 open reading frame 12		Other	other
10874	TFPI1	-0.033	6,438	0.95327	1	tuftsin interacting protein 11		Extracellular Space	other
10875	PARP15	-0.033	6,012	0.97267	1	poly (ADP-ribose) polymerase family, member 15		Other	other
10876	PHIP	-0.033	9,049	0.92398	1	pleckstrin homology domain interacting protein		Nucleus	other
10877	RAF1	-0.033	8,283	0.92374	1	Raf-1 proto-oncogene, serine/threonine kinase		Cytoplasm	kinase
10878	SIRT3	-0.033	4,852	0.97949	1	sirtuin 3		Cytoplasm	enzyme
10879	OT-sept	-0.033	7,127	0.94376	1				
10880	BRAF	-0.034	6,455	0.94795	1	B-Raf proto-oncogene, serine/threonine kinase		Cytoplasm	enzyme
10881	PRDM4	-0.034	5,942	0.95223	1	PR domain containing 4		Nucleus	transcription regulator
10882	SLCA45	-0.034	2,308	1	solute carrier family 4 (sodium bicarbonate cotransporter), member 5		Plasma Membrane	transporter	
10883	MTDH	-0.034	8,421	0.92214	1	metadherin		Cytoplasm	transcription regulator
10884	BCAT2	-0.034	3,988	1	branched chain amino-acid transaminase 2, mitochondrial		Cytoplasm	enzyme	
10885	ARFIP1	-0.034	6,120	0.96199	1	ADP-ribosylation factor interacting protein 1		Cytoplasm	other
10886	CCNG1	-0.034	7,768	0.94211	1	cyclin G1		Nucleus	other
10887	HNRNPH2	-0.035	8,220	0.92251	1	heterogeneous nuclear ribonucleoprotein H2 (H')		Nucleus	other
10888	MIER1	-0.035	7,270	0.93049	1	mesoderm induction early response 1, transcriptional regulator		Nucleus	other
10889	ATP5C1P1	-0.035	3,122	1	ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1 pseudogene 1		Other	transporter	
10890	STAG1	-0.035	6,815	0.93958	1	stromal antigen 1		Nucleus	other
10891	RRMX	-0.035	8,265	0.91843	1	RNA binding motif protein, X-linked		Nucleus	other
10892	MCOLN3	-0.035	4,414	0.98188	1	muscolin 3		Plasma Membrane	ion channel
10893	FLAD1	-0.035	6,920	0.93575	1	flavin adenine dinucleotide synthetase 1		Cytoplasm	enzyme
10894	MAPK1P11	-0.036	8,442	0.918	1	mitogen-activated protein kinase 1 interacting protein 1-like		Nucleus	other
10895	DDX59	-0.036	5,560	0.9762	1	DEAD (Asp-Glu-Ala-Asp) box polypeptide 59		Other	enzyme
10896	ISG20	-0.036	7,060	0.94097	1	interferon stimulated exonuclease gene 20kDa		Nucleus	enzyme
10897	APOBEC2	-0.036	3,661	1	apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 2		Other	enzyme	
10898	DCAF5	-0.036	7,883	0.92687	1	DDB1 and CUL4 associated factor 5		Cytoplasm	other
10899	ZNF274	-0.036	7,585	0.92772	1	zinc finger protein 274		Nucleus	transcription regulator
10900	RPL27	-0.036	7,930	0.91535	1	ribosomal protein L27		Other	other
10901	SVIP	-0.036	6,526	0.94451	1	small VCP/p97-interacting protein		Cytoplasm	other
10902	NAPEPLD	-0.036	5,728	0.96	1	N-acyl phosphatidylethanolamine phospholipase D		Cytoplasm	enzyme
10903	DENN5B	-0.036	2,347	1	DENN/MADD domain containing 5B		Other	other	
10904	RPL14P1	-0.037	7,804	0.93866	1	ribosomal protein L14 pseudogene 1		Other	other
10905	FUCP2	-0.037	5,233	0.97638	1	fucosylase, alpha-L-2, fucose		Extracellular Space	enzyme
10906	PIPL1	-0.037	7,271	0.92122	1	factor interacting with PAPOA and CPSF1		Nucleus	other
10907	PPARA	-0.037	5,532	0.95455	1	peroxisome proliferator-activated receptor alpha		Nucleus	ligand-dependent nuclear receptor
10908	ST13P15	-0.037	3,401	1	suppression of tumorigenicity 13 (colon carcinoma) (Hsp70 interacting protein) pseudogene 15		Other	other	
10909	UBQLN1	-0.038	6,520	0.94147	1	ubiquilin 1		Cytoplasm	other
10910	EPN1	-0.038	4,420	0.97721	1	epsin 1		Plasma Membrane	other
10911	MBOAT7	-0.038	6,641	0.95764	1	membrane bound O-acyltransferase domain containing 7		Plasma Membrane	other
10912	MRPL41	-0.038	5,226	0.96477	1	mitochondrial ribosomal protein L41		Cytoplasm	other
10913	MAN2B2	-0.038	5,668	0.97596	1	mannosidase, alpha, class 2B, member 2		Cytoplasm	enzyme
10914	PEX11B	-0.038	6,912	0.94049	1	peroxisomal biogenesis factor 11 beta		Cytoplasm	other
10915	SOR39U1	-0.038	5,275	0.96726	1	short chain dehydrogenase/reductase family 39U, member 1		Nucleus	other
10916	GLIPR1	-0.038	6,975	0.94302	1	GLI pathogenesis-related 1		Extracellular Space	other
10917	THM4	-0.038	1,709	1	inter-alpha-trypsin inhibitor heavy chain family, member 4		Extracellular Space	other	
10918	MMS19	-0.038	7,812	0.91737	1	MMS19 nucleotide excision repair homolog (S. cerevisiae)		Nucleus	transcription regulator
10919	TAF1C	-0.039	4,275	0.97208	1	TATA box binding protein (TBP)-associated factor, RNA polymerase I, C, 110kDa		Nucleus	transcription regulator
10920	CNTNAP1	-0.039	3,605	1	contactin associated protein 1		Plasma Membrane	other	
10921	COX6A1	-0.039	5,629	0.95477	1	cytochrome c oxidase subunit VIa polypeptide 1		Cytoplasm	enzyme
10922	ADAR	-0.039	9,494	0.90625	1	adenosine deaminase, RNA-specific		Nucleus	enzyme
10923	GTTF2IRD1	-0.039	2,472	1	GTTF2 repeat domain containing 1		Nucleus	transcription regulator	
10924	LONP1	-0.039	6,391	0.95783	1	ion peptidase 1, mitochondrial		Cytoplasm	peptidase
10925	PTPLB	-0.039	5,916	0.94763	1	3-hydroxyacyl-CoA dehydratase 2		Cytoplasm	phosphatase
10926	TMED2	-0.039	8,571	0.91534	1	transmembrane emp24 domain trafficking protein 2		Cytoplasm	transporter
10927	RPS15	-0.040	6,845	0.92569	1	ribosomal protein S15		Cytoplasm	other
10928	EIF3I	-0.040	8,435	0.90911	1	eukaryotic translation initiation factor 3, subunit I		Cytoplasm	translation regulator
10929	FAM21C	-0.040	5,937	0.9526	1	family with sequence similarity 21, member C		Cytoplasm	other
10930	FAM200B	-0.040	5,527	0.95447	1	family with sequence similarity 200, member B		Other	other
10931	ZNF285	-0.040	3,274	1	zinc finger protein 285		Nucleus	other	
10932	ZDHC23	-0.041	4,954	0.98438	1	zinc finger, DHHC-type containing 23		Other	other
10933	EIF4ENIF1	-0.041	5,628	0.96478	1	eukaryotic translation initiation factor 4E nuclear import factor 1		Cytoplasm	translation regulator
10934	ATXN7	-0.041	5,983	0.96176	1	ataxin 7		Nucleus	other
10935	G2E3	-0.041	6,480	0.93478	1	G2/M-phase specific E3 ubiquitin protein ligase		Cytoplasm	other
10936	NAV1	-0.042	3,947	1	neuron navigator 1		Other	enzyme	
10937	TRIP11	-0.042	7,609	0.92298	1	thyroid hormone receptor interactor 11		Cytoplasm	transcription regulator
10938	TNKS2	-0.042	7,821	0.92512	1	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase 2		Nucleus	enzyme
10939	TMEM109	-0.042	6,692	0.93796	1	transmembrane protein 109		Cytoplasm	other
10940	GTTF2E	-0.042	5,827	0.95395	1	general transcription factor IIE, polypeptide 2, beta 34kDa		Nucleus	transcription regulator
10941	GTTF2A2	-0.042	6,374	0.93826	1	general transcription factor IIA, 2, 12kDa		Nucleus	transcription regulator
10942	BEK4	-0.042	6,587	0.92106	1	brain expressed, X-linked 4		Cytoplasm	other
10943	UBXN7	-0.042	6,991	0.93939	1	UBX domain protein 7		Nucleus	other
10944	SSH1	-0.043	6,197	0.94925	1	slingshot protein phosphatase 1		Cytoplasm	phosphatase
10945	HSP90B1	-0.043	9,170	0.90294	1	heat shock protein 90kDa beta (Grp94), member 1		Cytoplasm	other
10946	SPG11	-0.043	7,603	0.91342	1	spastic paraplegia 11 (autosomal recessive)		Cytoplasm	other
10947	NXF1	-0.043	8,626	0.89569	1	nuclear RNA export factor 1		Nucleus	transporter
10948	RPL13AP2	-0.043	1,998	1	ribosomal protein L13a pseudogene 20		Other	other	
10949	RPS26	-0.043	5,033	0.96412	1	ribosomal protein S26		Cytoplasm	other
10950	STAG2	-0.043	8,362	0.9122	1	stromal antigen 2		Nucleus	other
10951	SLC37A1	-0.043	3,937	0.96796	1	solute carrier family 37 (glucose-6-phosphate transporter), member 1		Plasma Membrane	transporter
10952	CTSF	-0.044	5,777	0.94723	1	cathepsin F		Cytoplasm	peptidase
10953	SLC43A3R1	-0.044	8,026	0.89758	1	solute carrier family 9, subfamily A (NHE3), cation proton antiporter 3, member 3 regulator 1		Plasma Membrane	other
10954	HAX1	-0.044	7,785	0.90635	1	HCLS1 associated protein X-1		Cytoplasm	other
10955	MON1B	-0.044	7,073	0.92083	1	MON1 secretory trafficking family member B		Other	other

10956	UTF2F2	-0.044	5,262	0.95052	1	general transcription factor IIF, polypeptide 2, 30kDa	Nucleus	transcription regulator
10957	RASAL2	-0.045	1,863		1	RAS protein activator like 2	Extracellular Space	other
10958	SUB1P1	-0.045	3,803		1	SUB1 pseudogene 1	Other	other
10959	GUK1	-0.046	8,486	0.89607	1	guanylate kinase 1	Cytoplasm	kinase
10960	ZNF174	-0.046	4,467	0.97612	1	zinc finger protein 174	Nucleus	transcription regulator
10961	ZNF671	-0.046	6,397	0.92701	1	zinc finger protein 671	Nucleus	other
10962	LRPFIIP2	-0.046	6,754	0.92774	1	leucine rich repeat (in FII) interacting protein 2	Extracellular Space	other
10963	GFIR	-0.046	5,964	0.94628	1	insulin-like growth factor 1 receptor	Plasma Membrane	transmembrane receptor
10964	ADPRM	-0.046	6,313	0.94513	1	ADP-ribose/COP-olcohol diphosphatase, manganese-dependent	Other	other
10965	GSTO1	-0.046	7,023	0.91419	1	glutathione S-transferase omega 1	Cytoplasm	enzyme
10966	NDUFV1	-0.046	7,522	0.89607	1	NADH dehydrogenase (ubiquinone) flavoprotein 1, 51kDa	Cytoplasm	enzyme
10967	RASA1	-0.047	6,577	0.92852	1	RAS p21 protein activator (GTPase activating protein) 1	Cytoplasm	transporter
10968	DNAJC24	-0.047	5,379	0.95164	1	DnaJ (Hsp40) homolog, subfamily C, member 24	Other	other
10969	CMPK1	-0.047	7,989	0.89099	1	cytidine monophosphate (UMP-CMP) kinase 1, cytosolic	Nucleus	kinase
10970	CDC42	-0.047	6,225	0.9371	1	cell division cycle 42	Cytoplasm	enzyme
10971	OTUD3	-0.047	4,975	0.97102	1	OTU deubiquitinase 3	Other	peptidase
10972	ATP6V1H	-0.047	6,580	0.92021	1	ATPase, H+ transporting, lysosomal 50/57kDa, V1 subunit H	Cytoplasm	transporter
10973	NUP133	-0.048	6,150	0.94612	1	nucleoporin 133kDa	Nucleus	transporter
10974	ATG3	-0.048	7,094	0.91471	1	autophagy related 3	Cytoplasm	enzyme
10975	TROMT1	-0.048	5,418	0.95211	1	RNA aspartic acid methyltransferase 1	Nucleus	enzyme
10976	SLC39A10	-0.048	6,605	0.91785	1	solute carrier family 39 (zinc transporter), member 10	Extracellular Space	transporter
10977	NRRF2	-0.048	5,834	0.93138	1	nuclear receptor binding factor 2	Nucleus	transcription regulator
10978	TUBB	-0.049	8,573	0.88676	1	tubulin, beta class I	Cytoplasm	other
10979	RPTOR	-0.049	3,064		1	regulatory associated protein of MTOR, complex 1	Cytoplasm	other
10980	GRSF1	-0.049	6,959	0.91566	1	G-rich RNA sequence binding factor 1	Cytoplasm	other
10981	CBL	-0.049	6,684	0.90983	1	Cbl proto-oncogene, E3 ubiquitin protein ligase	Nucleus	transcription regulator
10982	LCP1	-0.049	10,419	0.87791	1	lymphocyte cytosolic protein 1 (L-plastin)	Cytoplasm	other
10983	SETD3	-0.049	6,692	0.91834	1	SET domain containing 3	Nucleus	enzyme
10984	MED10	-0.049	7,092	0.90356	1	mediator complex subunit 10	Nucleus	other
10985	AAMP	-0.050	6,773	0.91609	1	angio-associated, migratory cell protein	Plasma Membrane	other
10986	HMGN3P1	-0.050	3,386		1	high mobility group nucleosomal binding domain 3 pseudogene 1	Other	other
10987	FMF8T1	-0.050	5,443	0.93693	1	Scn-like with four mbt domains 1	Nucleus	transcription regulator
10988	NPTN	-0.050	5,695	0.94446	1	neuropilin	Plasma Membrane	other
10989	FBNP1	-0.051	8,796	0.88142	1	formin binding protein 1	Nucleus	enzyme
10990	PDE4DIP	-0.051	5,710	0.93453	1	phosphodiesterase 4D interacting protein	Cytoplasm	enzyme
10991	SCLT1	-0.051	5,411	0.95932	1	sodium channel and clathrin linker 1	Plasma Membrane	transporter
10992	O8-mars	-0.051	5,946	0.94459	1			
10993	PDE7B	-0.051	6,118	0.96459	1	phosphodiesterase 7B	Cytoplasm	enzyme
10994	ALG5	-0.051	6,643	0.91348	1	ALG5, dolichyl-phosphate beta-glucosyltransferase	Cytoplasm	enzyme
10995	ARPC1A	-0.051	5,713	0.94679	1	actin related protein 2/3 complex, subunit 1A, 41kDa	Extracellular Space	other
10996	ZNF22	-0.052	6,501	0.92431	1	zinc finger protein 22	Nucleus	other
10997	DDI2	-0.052	7,795	0.92709	1	DNA-damage inducible 1 homolog 2 (S. cerevisiae)	Plasma Membrane	transporter
10998	CUL3	-0.052	7,529	0.89127	1	cullin 3	Nucleus	enzyme
10999	DAMM1	-0.052	6,357	0.93886	1	dishevelled associated activator of morphogenesis 1	Cytoplasm	other
11000	ADCY7	-0.052	4,486	0.97513	1	adenylyl cyclase 7	Plasma Membrane	enzyme
11001	HARB1	-0.052	4,003	0.96906	1	harbinger transposase derived 1	Cytoplasm	other
11002	GNM1	-0.053	5,791	0.93662	1	glycoprotein integral membrane 1	Cytoplasm	other
11003	PASK	-0.053	6,009	0.95434	1	PAS domain containing serine/threonine kinase	Cytoplasm	kinase
11004	LSP1P3	-0.053	3,443		1	lymphocyte-specific protein 1 pseudogene 3	Other	other
11005	MCM3	-0.053	7,487	0.88206	1	minichromosome maintenance complex component 3	Nucleus	enzyme
11006	VPRBP	-0.053	6,052	0.92789	1	Vpr (HIV-1) binding protein	Nucleus	other
11007	PCBP2	-0.053	6,744	0.91021	1	poly(rC) binding protein 2	Nucleus	other
11008	RPL12	-0.054	7,026	0.89878	1	ribosomal protein L12	Nucleus	other
11009	CDC73	-0.054	7,431	0.89154	1	cell division cycle 73	Nucleus	other
11010	MICU1	-0.054	5,735	0.94224	1	mitochondrial calcium uptake 1	Cytoplasm	other
11011	PCGF5	-0.055	7,672	0.88945	1	polycomb group ring finger 5	Cytoplasm	other
11012	MSRA	-0.055	2,605		1	methionine sulfoxide reductase A	Cytoplasm	enzyme
11013	NPM1	-0.055	7,292	0.88523	1	nucleophosmin (nucleolar phosphoprotein B23, numatrin)	Nucleus	transcription regulator
11014	TLR1	-0.055	4,851	0.96723	1	tol-like receptor 1	Plasma Membrane	transmembrane receptor
11015	TMEM248	-0.055	7,921	0.87616	1	transmembrane protein 248	Other	other
11016	CD96	-0.055	9,214	0.88892	1	CD96 molecule	Plasma Membrane	other
11017	FAM160A2	-0.056	5,079	0.96975	1	family with sequence similarity 160, member A2	Cytoplasm	other
11018	UPF2	-0.056	7,315	0.88874	1	UPF2 regulator of nonsense transcripts homolog (yeast)	Cytoplasm	other
11019	AFG3L1P	-0.056	6,744	0.89832	1	AFG3-like AAA ATPase 1, pseudogene	Cytoplasm	other
11020	IFIT5	-0.056	6,190	0.92828	1	interferon-induced protein with tetratricopeptide repeats 5	Plasma Membrane	other
11021	TCHP	-0.056	4,873	0.96409	1	trichoplein, keratin filament binding	Cytoplasm	other
11022	RBM23	-0.056	8,122	0.87616	1	RNA binding motif protein 23	Nucleus	other
11023	ARL5A	-0.057	7,103	0.88936	1	ADP-ribosylation factor-like 5A	Other	enzyme
11024	MIRPL49	-0.057	7,001	0.90087	1	mitochondrial ribosomal protein L49	Cytoplasm	enzyme
11025	SMG7	-0.057	6,797	0.90097	1	SMG7 nonsense mediated mRNA decay factor	Nucleus	other
11026	EXOSC1	-0.057	6,126	0.90862	1	exosome component 1	Nucleus	enzyme
11027	TMEM59	-0.057	8,227	0.87189	1	transmembrane protein 59	Plasma Membrane	peptidase
11028	NDRG4	-0.057	2,717		1	NDRG family member 4	Plasma Membrane	other
11029	TBC1D23	-0.057	7,097	0.88839	1	TBC1 domain family, member 23	Other	other
11030	PPP1R21	-0.058	6,234	0.91674	1	protein phosphatase 1, regulatory subunit 21	Other	other
11031	TUBBP1	-0.058	4,895	0.96141	1	tubulin, beta pseudogene 1	Other	other
11032	GAS5	-0.058	7,194	0.88937	1	growth arrest-specific 5 (non-protein coding)	Other	other
11033	STRN3	-0.058	4,684	0.95725	1	striatin, calmodulin binding protein 3	Nucleus	transcription regulator
11034	IKZF2	-0.058	5,606	0.92744	1	IKAROS family zinc finger 2 (Helios)	Nucleus	transcription regulator
11035	ATPSA1P3	-0.058	5,081	0.96214	1	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1 pseudogene 3	Other	other
11036	MTMR14	-0.058	6,571	0.93151	1	myotubularin related protein 14	Cytoplasm	phosphatase
11037	SH3BGL3	-0.058	8,563	0.85928	1	SH3 domain binding glutamate-rich protein like 3	Nucleus	other
11038	WWC3	-0.058	6,940	0.92523	1	WWC family member 3	Cytoplasm	other
11039	PML	-0.058	6,146	0.91751	1	promyelocytic leukemia	Nucleus	transcription regulator
11040	INTS2	-0.059	5,514	0.93903	1	integrator complex subunit 2	Nucleus	other
11041	VP53	-0.059	6,055	0.91361	1	vacuolar protein sorting 53 homolog (S. cerevisiae)	Cytoplasm	other
11042	TFB1M	-0.059	5,586	0.93079	1	transcription factor B1, mitochondrial	Cytoplasm	transcription regulator
11043	MOSPD3	-0.060	3,384		1	motile sperm domain containing 3	Other	other
11044	SAT1	-0.060	8,167	0.87776	1	spermidine/spermine N1-acetyltransferase 1	Cytoplasm	enzyme
11045	QKI	-0.060	6,401	0.92167	1	QKI, KH domain containing, RNA binding	Nucleus	other
11046	HINT2	-0.060	5,489	0.94027	1	histidine triad nucleotide binding protein 2	Cytoplasm	other
11047	SCCPDH	-0.060	6,146	0.91098	1	saccharopine dehydrogenase (putative)	Cytoplasm	other
11048	COA5	-0.060	6,319	0.91891	1	cytochrome c oxidase assembly factor 5	Cytoplasm	other
11049	PKD3	-0.060	6,331	0.92175	1	pyruvate dehydrogenase kinase, isozyme 3	Cytoplasm	kinase
11050	MOB4	-0.061	6,207	0.92276	1	MOB family member 4, phocin	Cytoplasm	other
11051	PGPEP1	-0.061	4,943	0.94729	1	pyroglutamate peptidase 1	Cytoplasm	peptidase
11052	UFL1	-0.061	7,672	0.86981	1	UFM1-specific ligase 1	Cytoplasm	other
11053	PIGO	-0.061	3,714		1	phosphatidylinositol glycan anchor biosynthesis, class O	Cytoplasm	enzyme
11054	SLC35C1	-0.061	4,581	0.96413	1	solute carrier family 35 (GDP-fucose transporter), member C1	Cytoplasm	transporter
11055	MAP1LC3B	-0.062	5,012	0.94171	1	microtubule-associated protein 1 light chain 3 beta 2	Other	other
11056	COX7A2L	-0.062	7,165	0.87185	1	cytochrome c oxidase subunit VIIa polypeptide 2 like	Cytoplasm	enzyme
11057	PCBP1	-0.062	6,862	0.88913	1	poly(rC) binding protein 1	Nucleus	translation regulator
11058	CDK11B	-0.062	5,513	0.92575	1	cyclin-dependent kinase 11B	Nucleus	kinase
11059	NSRP1P1	-0.062	4,355	0.95249	1	nuclear speckle splicing regulatory protein 1 pseudogene 1	Other	other
11060	KLC4	-0.062	5,277	0.94425	1	kinesin light chain 4	Other	other
11061	STX17	-0.062	6,754	0.88671	1	syntaxin 17	Plasma Membrane	transporter
11062	RNF126	-0.062	5,845	0.92017	1	ring finger protein 126	Other	other
11063	LARP4P	-0.063	3,630	0.96366	1	La ribonucleoprotein domain family, member 4 pseudogene	Other	other
11064	TRIM26	-0.063	6,770	0.90238	1	tripartite motif containing 26	Cytoplasm	other
11065	TEX10	-0.063	6,863	0.89345	1	testis expressed 10	Nucleus	other
11066	EFHC1	-0.063	5,685	0.92636	1	EF-hand domain (C-terminal) containing 1	Cytoplasm	other
11067	CDC42EP3	-0.064	8,051	0.85685	1	CDC42 effector protein (Rho GTPase binding) 3	Cytoplasm	other
11068	TRPM7	-0.064	7,414	0.86991	1	transient receptor potential cation channel, subfamily M, member 7	Plasma Membrane	kinase
11069	ARID1B	-0.064	7,007	0.87369	1	AT rich interactive domain 1B (SWI1-like)	Nucleus	transcription regulator
11070	PLCE1	-0.064	4,432		1	phospholipase C, epsilon 1	Cytoplasm	enzyme
11071	ER13	-0.064	5,826	0.92378	1	ER1 exonuclease family member 3	Plasma Membrane	other
11072	PRPH2	-0.064	3,055		1	peripherin 2 (retinal degeneration, slow)	Plasma Membrane	transmembrane receptor
11073	HDHRB51	-0.064	8,244	0.85554	1	kkt domain containing, RNA binding, signal transduction associated 1	Nucleus	transcription regulator
11074	TUBGCP4	-0.065	6,168	0.90987	1	tubulin, gamma complex associated protein 4	Cytoplasm	other
11075	CCND2	-0.065	9,029	0.90627	1	cyclin D2	Nucleus	other
11076	XAF1	-0.065	6,857	0.90359	1	XIAP associated factor 1	Nucleus	other
11077	C9orf69	-0.066	5,202	0.93111	1	chromosome 9 open reading frame 69	Other	other
11078	TMEM1068	-0.066	7,341	0.85731	1	transmembrane protein 1068	Cytoplasm	other
11079	CAPZA2	-0.066	8,177	0.85565	1	capping protein (actin filament) muscle Z-line, alpha 2	Cytoplasm	other
11080	AGFG1	-0.066	7,090	0.87271	1	ArfGAP with FG repeats 1	Nucleus	other
11081	OXA1L	-0.066	7,852	0.85315	1	oxidase (cytochrome c) assembly 1-like	Cytoplasm	enzyme
11082	PTPN2P2	-0.066	3,038		1	protein tyrosine phosphatase, non-receptor type 2 pseudogene 2	Other	other
11083	RPSAP58	-0.066	4,967	0.94165	1	ribosomal protein S4 pseudogene 58	Other	other
11084	MIRPL42	-0.066	7,073	0.88385	1	mitochondrial ribosomal protein L42	Cytoplasm	other
11085	SPATA20	-0.067	4,328	0.97968	1	spermatogenesis associated 20	Other	other
11086	KIAA1429	-0.067	7,087	0.88411	1	KIAA1429	Nucleus	other
11087	VP539	-0.067	7,334	0.89174	1	vacuolar protein sorting 39 homolog (S. cerevisiae)	Cytoplasm	transporter

11088	C14orf101	-0.067	4.894	0.94166	1	transmembrane protein 260	Other	other
11089	IL6STP1	-0.067	2.694	1	1	interleukin 6 signal transducer (gp130, oncostatin M receptor) pseudogene 1	Other	other
11090	EIF2B5	-0.068	8.004	0.85603	1	eukaryotic translation initiation factor 2B, subunit 5 epsilon, 82kDa	Cytoplasm	translation regulator
11091	RPL38	-0.068	7.293	0.85743	1	ribosomal protein L38	Cytoplasm	other
11092	BLOC1C55	-0.068	6.168	0.89961	1	biogenesis of lysosomal organelles complex-1, subunit 5, muted	Extracellular Space	other
11093	ALP2	-0.069	7.339	0.8718	1	amyloid beta (A4) precursor-like protein 2	Cytoplasm	other
11094	PHI1D1	-0.069	6.690	0.88168	1	PH1 domain containing 1	Other	other
11095	CNOT8	-0.069	7.865	0.85339	1	CCR4-NOT transcription complex, subunit 8	Nucleus	transcription regulator
11096	PTMAA2P2	-0.070	3.243	1	1	protein tyrosine phosphatase type IVA, member 2 pseudogene 2	Other	other
11097	BNIP2	-0.070	8.291	0.84461	1	BCL2/adenovirus E1B 19kDa interacting protein 2	Cytoplasm	other
11098	METTL5	-0.070	6.005	0.90127	1	methyltransferase like 5	Other	enzyme
11099	ACTBP2	-0.070	6.156	0.89583	1	actin, beta pseudogene 2	Other	other
11100	RNF170	-0.070	5.819	0.93075	1	ring finger protein 170	Other	other
11101	ELOF1	-0.071	6.357	0.88639	1	elongation factor 1 homolog (S. cerevisiae)	Nucleus	other
11102	SLC4A2	-0.071	4.469	0.96108	1	solute carrier family 4 (anion exchanger), member 2	Plasma Membrane	transporter
11103	ELMO2	-0.071	7.593	0.86624	1	engulfment and cell motility 2	Cytoplasm	other
11104	KLF5	-0.071	5.340	0.94404	1	Kruppel-like factor 5 (intestinal)	Nucleus	transcription regulator
11105	C15orf63	-0.072	2.850	1	1	huntingtin interacting protein K	Cytoplasm	other
11106	GTF2H3	-0.072	4.212	0.94294	1	general transcription factor IIF, polypeptide 3, 34kDa	Nucleus	transcription regulator
11107	NUS1	-0.072	4.200	0.97593	1	nuclear undecaprenyl pyrophosphate synthase 1 homolog (S. cerevisiae)	Cytoplasm	enzyme
11108	KOD1	-0.072	6.298	0.87882	1	Kod1 motif containing 1	Other	other
11109	RBM31P1	-0.072	6.460	0.87888	1	RNA binding motif, single stranded interacting protein 1 pseudogene 1	Other	other
11110	BRD9	-0.072	6.305	0.8861	1	bromodomain containing 9	Other	other
11111	APOOL	-0.072	3.655	0.96141	1	apolipoprotein O-like	Extracellular Space	other
11112	ISG15	-0.072	6.382	0.91175	1	ISG15 ubiquitin-like modifier	Extracellular Space	other
11113	PRMT6	-0.073	4.593	0.96739	1	protein arginine methyltransferase 6	Nucleus	enzyme
11114	SLC39A1	-0.073	5.944	0.90398	1	solute carrier family 39 (zinc transporter), member 1	Plasma Membrane	transporter
11115	MAN1A1	-0.073	4.278	0.95445	1	mannosidase, alpha, class 1A, member 1	Cytoplasm	enzyme
11116	GPX1P1	-0.073	2.680	1	1	glutathione peroxidase pseudogene 1	Other	other
11117	FAM40A	-0.073	6.418	0.88281	1	striatin interacting protein 1	Nucleus	other
11118	MGAT1	-0.073	7.326	0.86934	1	mannosyl (alpha-1,3)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase	Cytoplasm	enzyme
11119	COG2	-0.073	6.802	0.86219	1	component of oligomeric golgi complex 2	Cytoplasm	transporter
11120	NUCB2	-0.074	6.046	0.91355	1	nucleobindin 2	Nucleus	other
11121	POLE2	-0.074	2.724	1	1	polymyrase (DNA directed), epsilon 2, accessory subunit	Nucleus	enzyme
11122	ATXN1L	-0.074	6.137	0.91673	1	ataxin 1-like	Nucleus	other
11123	SLU7	-0.074	8.102	0.82362	1	SLU7 splicing factor homolog (S. cerevisiae)	Nucleus	enzyme
11124	AAGAB	-0.074	6.786	0.89711	1	alpha- and gamma-adaptin binding protein	Cytoplasm	other
11125	TOR1B	-0.074	5.640	0.92068	1	tor1in family 1, member 8 (tor1in B)	Cytoplasm	enzyme
11126	ZNF25	-0.074	5.681	0.91472	1	zinc finger protein 25	Nucleus	other
11127	POGZ	-0.074	6.878	0.86575	1	pogo transposable element with ZNF domain	Nucleus	enzyme
11128	NDFIP2	-0.074	7.671	0.92863	1	Nedd4 family interacting protein 2	Cytoplasm	other
11129	PPP1R13B	-0.074	5.116	0.93005	1	protein phosphatase 1, regulatory subunit 13B	Cytoplasm	phosphatase
11130	RFC2	-0.075	5.830	0.91321	1	replication factor C (activator 1) 2, 40kDa	Nucleus	other
11131	PGM2L1	-0.075	6.792	0.88581	1	phosphoglucomutase 2-like 1	Cytoplasm	enzyme
11132	ZNF271	-0.075	6.771	0.89519	1	zinc finger protein 271, pseudogene	Nucleus	other
11133	PRKC2	-0.075	4.942	0.9564	1	protein kinase C, beta	Cytoplasm	kinase
11134	RALGAPB	-0.075	7.646	0.82839	1	Ral GTPase activating protein, beta subunit (non-catalytic)	Other	other
11135	ZNF577	-0.075	5.920	0.8964	1	zinc finger protein 577	Other	other
11136	CNOT1	-0.076	7.652	0.85265	1	CCR4-NOT transcription complex, subunit 1	Cytoplasm	other
11137	WDR85	-0.076	7.146	0.86445	1	diphthamide biosynthesis 7	Cytoplasm	other
11138	TIA1	-0.076	8.095	0.82581	1	TIA1 cytotoxic granule-associated RNA binding protein	Nucleus	other
11139	ATF7	-0.076	5.510	0.90839	1	activating transcription factor 7	Nucleus	transcription regulator
11140	C15orf39	-0.076	5.717	0.91172	1	chromosome 15 open reading frame 39	Cytoplasm	other
11141	CWC15	-0.076	6.633	0.86636	1	CWC15 spliceosome-associated protein	Nucleus	other
11142	BLOC1C54	-0.076	6.518	0.89017	1	biogenesis of lysosomal organelles complex-1, subunit 4, cappuccino	Cytoplasm	other
11143	O2-sept	-0.076	8.832	0.81435	1	1	Other	other
11144	LAMP2	-0.076	7.519	0.84854	1	lysosomal-associated membrane protein 2	Plasma Membrane	enzyme
11145	BDT	-0.076	5.489	0.91378	1	biotinidase	Extracellular Space	enzyme
11146	ACTG1	-0.076	10.143	0.82255	1	actin gamma 1	Cytoplasm	other
11147	XRC5	-0.076	9.042	0.81346	1	X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining)	Nucleus	enzyme
11148	PAIP2	-0.077	7.465	0.83625	1	poly(A) binding protein interacting protein 2	Cytoplasm	translation regulator
11149	GDI2	-0.077	8.760	0.82721	1	GDP dissociation inhibitor 2	Cytoplasm	other
11150	RPL37A	-0.077	7.935	0.82504	1	ribosomal protein L37a	Cytoplasm	other
11151	BTG3	-0.077	5.933	0.89368	1	BTG family, member 3	Nucleus	other
11152	ZFAT	-0.077	2.961	1	1	zinc finger and AT hook domain containing	Nucleus	other
11153	ZNF343	-0.077	3.595	0.97494	1	zinc finger protein 343	Other	other
11154	SMAD1	-0.077	4.125	0.95119	1	SMAD family member 1	Nucleus	transcription regulator
11155	ACTB	-0.077	10.580	0.8136	1	actin, beta	Cytoplasm	other
11156	ZBLD2	-0.078	4.586	0.94158	1	zinc finger, BED-type containing 2	Other	other
11157	MRP236	-0.078	5.888	0.89994	1	mitochondrial ribosomal protein S26	Cytoplasm	other
11158	EMC8	-0.078	5.671	0.90711	1	ER membrane protein complex subunit 8	Cytoplasm	other
11159	KIF13B	-0.078	6.102	0.88635	1	kinesin family member 13B	Cytoplasm	other
11160	SIVA1	-0.078	6.448	0.86945	1	SIVA1, apoptosis-inducing factor	Cytoplasm	other
11161	ZNF107	-0.079	6.155	0.87071	1	zinc finger protein 107	Nucleus	other
11162	FASLG	-0.079	5.849	0.88902	1	Fas ligand (TNF superfamily, member 6)	Extracellular Space	cytokine
11163	STXBP5	-0.079	5.783	0.90401	1	syntrophin binding protein 5 (tomosyn)	Plasma Membrane	other
11164	RABGGTA	-0.080	5.853	0.90521	1	Rab geranylgeranyltransferase, alpha subunit	Extracellular Space	enzyme
11165	SEPHS1	-0.080	5.926	0.88154	1	selenophosphate synthetase 1	Other	enzyme
11166	TAF1A	-0.081	4.260	0.95412	1	TATA box binding protein (TBP)-associated factor, RNA polymerase I, A, 48kDa	Nucleus	transcription regulator
11167	ALK	-0.081	2.892	1	1	anaplastic lymphoma receptor tyrosine kinase	Plasma Membrane	kinase
11168	C22orf59	-0.081	5.478	0.91133	1	chromosome 22 open reading frame 59	Cytoplasm	other
11169	SLC25A5P3	-0.081	2.475	1	1	solute carrier family 25 (mitochondrial carrier, adenine nucleotide translocator), member 5 pseudogene 3	Other	other
11170	ACAD8	-0.081	6.628	0.87073	1	acyl-CoA dehydrogenase family, member 8	Cytoplasm	enzyme
11171	RAD21	-0.081	8.210	0.80604	1	RAD21 homolog (S. pombe)	Nucleus	other
11172	GNAI3	-0.081	8.242	0.83503	1	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3	Cytoplasm	enzyme
11173	SLC25A26	-0.081	5.547	0.89928	1	solute carrier family 25 (S-adenosylmethionine carrier), member 26	Cytoplasm	transporter
11174	AKR1B1P7	-0.081	2.968	1	1	aldo-keto reductase family 1, member B1 pseudogene 7	Other	other
11175	GEMIN4	-0.082	5.860	0.90391	1	gem (nuclear organelle) associated protein 4	Nucleus	other
11176	TSN	-0.082	7.569	0.84078	1	translin	Nucleus	other
11177	WDR26	-0.082	7.737	0.82527	1	WD repeat domain 26	Cytoplasm	other
11178	CCDC137	-0.082	5.148	0.94008	1	coiled-coil domain containing 137	Nucleus	other
11179	UBE2R2	-0.082	6.469	0.86107	1	ubiquitin-conjugating enzyme E2R 2	Other	enzyme
11180	SSH3	-0.082	3.356	1	1	shinghot protein phosphatase 3	Cytoplasm	phosphatase
11181	CTBP2	-0.082	5.284	0.94759	1	C-terminal binding protein 2	Nucleus	transcription regulator
11182	MED26	-0.082	3.865	0.96601	1	mediator complex subunit 26	Nucleus	transcription regulator
11183	MAP2K1P1	-0.083	3.302	1	1	mitogen-activated protein kinase kinase 1 pseudogene 1	Other	other
11184	CDKN2AIP	-0.083	4.719	0.9379	1	CDKN2A interacting protein N-terminal like	Other	other
11185	ZMYND11	-0.083	7.293	0.82747	1	zinc finger, MYND-type containing 11	Nucleus	transcription regulator
11186	ERCC3	-0.083	7.344	0.8387	1	excision repair cross-complementation group 3	Nucleus	enzyme
11187	EXOC7	-0.083	7.088	0.8408	1	exocyst complex component 7	Cytoplasm	transporter
11188	TTC218	-0.083	6.553	0.87058	1	tetratricopeptide repeat domain 218	Extracellular Space	other
11189	HIPK3	-0.084	7.063	0.8377	1	homeodomain interacting protein kinase 3	Nucleus	kinase
11190	EHMT1	-0.084	6.915	0.86073	1	euchromatic histone-lysine N-methyltransferase 1	Nucleus	transcription regulator
11191	ABC88	-0.084	4.727	0.92341	1	ATP-binding cassette, sub-family B (MDR/TAP), member 8	Cytoplasm	transporter
11192	RILPL1	-0.084	2.799	1	1	Rab interacting lysosomal protein-like 1	Cytoplasm	other
11193	NHP2L1	-0.084	7.871	0.80545	1	NHP2 non-histone chromosome protein 2-like 1 (S. cerevisiae)	Nucleus	other
11194	UBE2D4	-0.084	4.204	0.94447	1	ubiquitin-conjugating enzyme E2D 4 (putative)	Other	enzyme
11195	TIN-AS1	-0.084	4.247	0.94476	1	TTN antisense RNA 1	Other	other
11196	ARID1A	-0.085	7.817	0.82446	1	AT rich interactive domain 1A (SWI-like)	Nucleus	transcription regulator
11197	FRA10AC1	-0.085	5.438	0.90016	1	fragile site, follicle acid type, rare, fra(10)(q24.3) or fra(10)(q24.2) candidate 1	Nucleus	other
11198	PLXNA1	-0.085	4.700	0.94958	1	plexin A1	Plasma Membrane	transmembrane receptor
11199	DUSP8	-0.085	3.655	0.97597	1	dual specificity phosphatase 8	Nucleus	phosphatase
12000	ATAD2B	-0.085	7.225	0.85525	1	ATPase family, AAA domain containing 28	Nucleus	other
12001	SERINC2	-0.085	1.836	1	1	serine incorporator 2	Plasma Membrane	transporter
12002	TRBV28	-0.085	5.990	0.88166	1	T cell receptor beta variable 28	Other	other
12003	CCDC111	-0.086	4.403	0.95949	1	primase and polymerase (DNA-directed)	Extracellular Space	enzyme
12004	NDOR1	-0.086	3.619	0.96505	1	NAD(P) dependent flavin oxidoreductase 1	Cytoplasm	enzyme
12005	ZNF561	-0.086	5.815	0.88166	1	zinc finger protein 561	Nucleus	other
12006	ZNF549	-0.086	6.145	0.92071	1	zinc finger protein 549	Other	other
12007	ACTR2	-0.086	8.049	0.81465	1	ARF2 actin-related protein 2 homolog (yeast)	Plasma Membrane	other
12008	HADH	-0.086	5.409	0.91302	1	hydroxyacyl-CoA dehydrogenase	Cytoplasm	enzyme
12009	ZNF627	-0.086	5.927	0.88956	1	zinc finger protein 627	Other	other
12010	DYNLT1	-0.086	7.334	0.826	1	dynein, light chain, Tctex-type 1	Cytoplasm	other
12011	ARPC18	-0.086	7.773	0.81386	1	actin related protein 2/3 complex, subunit 18, 41kDa	Cytoplasm	other
12012	FIG4	-0.086	6.318	0.88044	1	FIG4 phosphoinositide 5-phosphatase	Cytoplasm	enzyme
12013	TBC1D19	-0.087	4.858	0.94559	1	TBC1 domain family, member 19	Other	other
12014	RXRA	-0.087	4.315	0.95241	1	retinoid X receptor, alpha	Nucleus	ligand-dependent nuclear receptor
12015	APEX1	-0.087	7.720	0.81076	1	APEX nuclease (multifunctional DNA repair enzyme) 1	Nucleus	enzyme
12016	PHYH	-0.087	5.395	0.91167	1	phytanoyl-CoA 2-hydroxylase	Cytoplasm	enzyme
12017	GPR171	-0.087	5.982	0.87665	1	G protein-coupled receptor 171	Plasma Membrane	G-protein coupled receptor
12018	TMEM222	-0.087	7.097	0.82693	1	transmembrane protein 222	Other	other
12019	COG6	-0.087	5.257	0.90948	1	component of oligomeric golgi complex 6	Cytoplasm	transporter

11220	SMAD2	-0.087	8.308	0.81776	1	SMAD family member 2	Nucleus	transcription regulator
11221	ILF3-AS1	-0.088	6.062	0.88486	1	ILF3 antisense RNA 1 (head to head)	Other	other
11222	ZNF358	-0.088	2.839	1	zinc finger protein 358	Nucleus	other	
11223	ZNF575	-0.088	1.871	1	zinc finger protein 575	Nucleus	other	
11224	ANKRD13D	-0.088	7.028	0.83818	1	ankyrin repeat domain 13 family, member D	Plasma Membrane	other
11225	HDAC2	-0.088	7.024	0.85932	1	histone deacetylase 2	Nucleus	transcription regulator
11226	CERK	-0.088	8.024	0.86157	1	ceramide kinase	Plasma Membrane	kinase
11227	GXYLT1	-0.088	5.921	0.87132	1	glucoside xylosyltransferase 1	Cytoplasm	other
11228	ANKRD11	-0.088	8.459	0.79678	1	ankyrin repeat domain 11	Nucleus	other
11229	C12orf5	-0.088	5.513	0.90102	1	TP53 induced glycolysis regulatory phosphatase	Cytoplasm	enzyme
11230	FLOT1	-0.088	7.455	0.84447	1	flotillin 1	Plasma Membrane	other
11231	IKZF4	-0.089	3.038	1	IKAROS family zinc finger 4 (Eos)	Nucleus	transcription regulator	
11232	ALAS1	-0.089	6.752	0.85554	1	5'-aminolevulinate synthase 1	Cytoplasm	enzyme
11233	KLHL18	-0.089	5.176	0.89283	1	kelch-like family member 18	Other	other
11234	C11orf83	-0.089	4.331	0.95111	1	ubiquinol-cytochrome c reductase complex assembly factor 3	Extracellular Space	other
11235	C10orf2	-0.090	4.195	0.96034	1	chromosome 10 open reading frame 2	Cytoplasm	enzyme
11236	NDUFV3	-0.090	5.033	0.9066	1	NADH dehydrogenase (ubiquinone) flavoprotein 3, 10kDa	Cytoplasm	enzyme
11237	RUNX3	-0.090	8.416	0.79992	1	run-related transcription factor 3	Nucleus	transcription regulator
11238	C14orf118	-0.090	7.952	0.80529	1	G patch domain containing 2-like	Other	other
11239	CEP68	-0.090	6.073	0.92149	1	centrosomal protein 68kDa	Cytoplasm	other
11240	EV28	-0.090	7.833	0.8289	1	ecotropic viral integration site 28	Plasma Membrane	other
11241	RNF10	-0.090	8.309	0.82656	1	ring finger protein 10	Cytoplasm	enzyme
11242	PSMB7	-0.090	7.280	0.80725	1	proteasome (prosome, macropain) subunit, beta type, 7	Cytoplasm	peptidase
11243	WDR44	-0.090	5.588	0.88352	1	WD repeat domain 44	Cytoplasm	other
11244	MPV17	-0.091	7.086	0.83124	1	Mpv17 mitochondrial inner membrane protein	Cytoplasm	other
11245	VIPAS39	-0.091	4.812	0.93604	1	VPS38 interacting protein, apical-basolateral polarity regulator, spe-39 homolog	Plasma Membrane	other
11246	ZNF706	-0.091	6.531	0.84179	1	zinc finger protein 706	Other	other
11247	ATP6V1E1F	-0.091	3.713	0.9609	1	ATPase, H+ transporting, lysosomal 31kDa, V1 subunit E1 pseudogene 1	Other	other
11248	ABCC4	-0.091	3.779	0.96864	1	ATP-binding cassette, sub-family C (CFTR/MRP), member 4	Plasma Membrane	transporter
11249	RPA1	-0.091	7.866	0.80204	1	replication protein A1, 70kDa	Nucleus	other
11250	ZNF101	-0.092	6.251	0.87938	1	zinc finger protein 101	Nucleus	other
11251	GLMN	-0.092	5.668	0.89913	1	glutamin, FKBP associated protein	Cytoplasm	other
11252	RPS23P8	-0.092	6.311	0.84811	1	ribosomal protein S23 pseudogene 8	Other	other
11253	GIN1	-0.092	4.060	0.96904	1	gypsy retrotransposon integrase 1	Other	other
11254	MLF2	-0.092	7.697	0.79276	1	myeloid leukemia factor 2	Nucleus	other
11255	VEGFB	-0.092	6.303	0.85908	1	vascular endothelial growth factor B	Extracellular Space	growth factor
11256	AMDH2	-0.092	4.248	0.91824	1	amidohydrolase domain containing 2	Nucleus	enzyme
11257	CD52	-0.092	7.185	0.80996	1	CDP-diacylglycerol synthase (phosphatidate cytidyltransferase) 2	Cytoplasm	enzyme
11258	RASSF5	-0.093	8.498	0.79516	1	Ras association (RalGDS/AF-6) domain family member 5	Plasma Membrane	other
11259	DDX60	-0.093	7.029	0.88071	1	DEAD (Asp-Glu-Ala-Asp) box polypeptide 60	Cytoplasm	enzyme
11260	SCARB2	-0.093	5.435	0.90122	1	scavenger receptor class B, member 2	Plasma Membrane	other
11261	PES1P2	-0.093	1.918	1	pescadillo ribosomal biogenesis factor 1 pseudogene 2	Other	other	
11262	MR11	-0.094	4.914	0.93332	1	methylthiohistone-1-phosphate isomerase 1	Cytoplasm	translation regulator
11263	FBX04	-0.094	4.779	0.91519	1	F-box protein 4	Nucleus	enzyme
11264	EP300	-0.094	7.493	0.79981	1	E1A binding protein p300	Nucleus	transcription regulator
11265	HBP1	-0.094	8.118	0.78087	1	HMG-box transcription factor 1	Nucleus	transcription regulator
11266	TMCC1	-0.094	4.750	0.92472	1	transmembrane and coiled-coil domain family 1	Other	other
11267	ATPSG2	-0.094	7.516	0.79528	1	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit C2 (subunit 9)	Cytoplasm	transporter
11268	SEC63P1	-0.094	4.975	0.91135	1	SEC63 homolog (S. cerevisiae) pseudogene 1	Other	other
11269	ZMYM1	-0.094	5.319	0.90164	1	zinc finger, MYM-type 1	Other	other
11270	TMEM184E	-0.094	6.034	0.86238	1	transmembrane protein 184E	Other	other
11271	PUS7L	-0.094	6.124	0.85995	1	pseudouridylyl synthase 7 homolog (S. cerevisiae)-like	Other	other
11272	RBM22	-0.095	7.487	0.80257	1	RNA binding motif protein 22	Nucleus	transporter
11273	TCTN3	-0.095	6.782	0.84843	1	tectonic family member 3	Cytoplasm	other
11274	BZW1P2	-0.095	6.398	0.84338	1	basic leucine zipper and W2 domains 1 pseudogene 2	Other	other
11275	SERINC3	-0.095	8.454	0.78269	1	serine incorporator 3	Cytoplasm	transporter
11276	FTIH1P23	-0.095	1.738	1	ferritin, heavy polypeptide 1 pseudogene 23	Other	other	
11277	TMEM129	-0.095	4.533	0.9337	1	transmembrane protein 129, E3 ubiquitin protein ligase	Cytoplasm	other
11278	COMM2D	-0.095	6.701	0.82751	1	COMM domain containing 2	Other	other
11279	PDIA6	-0.095	8.024	0.80594	1	protein disulfide isomerase family A, member 6	Cytoplasm	enzyme
11280	PNKD	-0.096	5.396	0.89554	1	paroxysmal nonkinetic dyskinesia	Nucleus	other
11281	UGCG	-0.096	6.665	0.83203	1	UDP-glucose ceramide glucosyltransferase	Cytoplasm	enzyme
11282	NKIRAS2	-0.096	6.386	0.85541	1	NFKB inhibitor interacting Ras-like 2	Cytoplasm	enzyme
11283	NCOA5	-0.096	6.804	0.82287	1	nuclear receptor coactivator 5	Nucleus	other
11284	VPS33B	-0.096	4.954	0.9165	1	vacuolar protein sorting 33 homolog B (yeast)	Cytoplasm	transporter
11285	VPS72	-0.097	6.651	0.82906	1	vacuolar protein sorting 72 homolog (S. cerevisiae)	Nucleus	transcription regulator
11286	ACP1	-0.097	7.641	0.77929	1	acid phosphatase 1, soluble	Cytoplasm	phosphatase
11287	RNF220	-0.097	5.897	0.86283	1	ring finger protein 220	Cytoplasm	enzyme
11288	RNF6	-0.097	7.221	0.79906	1	ring finger protein (C3H2C3 type) 6	Nucleus	transcription regulator
11289	SDCBP2-AS	-0.097	4.537	0.94074	1	SDCBP2 antisense RNA 1	Other	other
11290	CASP8	-0.097	7.940	0.80915	1	caspase 8, apoptosis-related cysteine peptidase	Nucleus	peptidase
11291	FGBP3	-0.097	3.001	0.94122	1	fibroblast growth factor binding protein 3	Extracellular Space	other
11292	MED13	-0.097	7.297	0.81019	1	mediator complex subunit 13	Nucleus	transcription regulator
11293	RNF11	-0.097	6.431	0.86261	1	ring finger protein 11	Cytoplasm	enzyme
11294	TSTD1	-0.097	6.456	0.85055	1	thiosulfate sulfurtransferase (rhodanese)-like domain containing 1	Cytoplasm	other
11295	UVRAG	-0.098	6.115	0.84741	1	UV radiation resistance associated	Nucleus	other
11296	RPL7A	-0.098	7.046	0.80281	1	ribosomal protein L7a	Cytoplasm	other
11297	PPRC1	-0.098	5.983	0.8686	1	peroxisome proliferator-activated receptor gamma, coactivator-related 1	Nucleus	transcription regulator
11298	DHR57	-0.098	8.096	0.78235	1	dehydrogenase/reductase (SDR family) member 7	Other	enzyme
11299	FAM219B	-0.098	5.622	0.89454	1	family with sequence similarity 219, member B	Other	other
11300	CACUL1	-0.099	7.055	0.83427	1	CDK2-associated, cullin domain 1	Other	other
11301	RAC1	-0.099	6.668	0.82630	1	Rac-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)	Plasma Membrane	enzyme
11302	ACTR1B	-0.099	5.268	0.89704	1	ARP1 actin-related protein 1 homolog B, cofilin beta (yeast)	Cytoplasm	other
11303	ALG6	-0.099	5.930	0.88449	1	ALG6, alpha-1,3-glucosyltransferase	Cytoplasm	enzyme
11304	IL2RB	-0.099	6.659	0.85868	1	interleukin 2 receptor, beta	Plasma Membrane	transmembrane receptor
11305	ATXN2	-0.099	6.838	0.84513	1	ataxin 2	Nucleus	other
11306	LATS1	-0.099	6.865	0.80726	1	large tumor suppressor kinase 1	Nucleus	kinase
11307	C1orf112	-0.099	3.496	0.96408	1	chromosome 1 open reading frame 112	Other	other
11308	ZDHC13	-0.100	5.867	0.87642	1	zinc finger, DHHC-type containing 13	Nucleus	transcription regulator
11309	RPL7AP6	-0.100	5.514	0.87475	1	ribosomal protein L7a pseudogene 6	Other	other
11310	PP1D	-0.100	6.090	0.85483	1	peptidylprolyl isomerase D	Cytoplasm	enzyme
11311	PRMT5	-0.100	5.410	0.88306	1	protein arginine methyltransferase 5	Cytoplasm	enzyme
11312	ATF6B	-0.100	6.754	0.85006	1	activating transcription factor 6 beta	Nucleus	transcription regulator
11313	NEB	-0.100	4.516	0.91762	1	nebulin	Cytoplasm	other
11314	RAP1GDS1	-0.100	7.236	0.80073	1	RAP1, GTP-GDP dissociation stimulator 1	Cytoplasm	other
11315	ZNF720	-0.100	6.415	0.85791	1	zinc finger protein 720	Other	other
11316	KRBA1	-0.100	3.271	0.95899	1	KRAB-A domain containing 1	Other	other
11317	SLC7A6OS	-0.101	5.065	0.90295	1	solute carrier family 7, member 6 opposite strand	Other	other
11318	GTPBP6	-0.101	6.239	0.85347	1	GTP binding protein 6 (putative)	Other	other
11319	DLD	-0.101	7.874	0.77895	1	dihydrolipoamide dehydrogenase	Cytoplasm	enzyme
11320	RPS21	-0.101	7.065	0.80438	1	ribosomal protein S21	Cytoplasm	other
11321	MYL5	-0.101	3.723	0.93519	1	myosin, light chain 5, regulatory	Cytoplasm	other
11322	ZNF320	-0.101	4.237	0.95386	1	zinc finger protein 320	Other	other
11323	SUPT4H1	-0.101	6.099	0.84766	1	suppressor of Ty 4 homolog 1 (S. cerevisiae)	Nucleus	transcription regulator
11324	C2orf47	-0.101	3.917	0.93742	1	chromosome 2 open reading frame 47	Other	other
11325	CCDC88A	-0.102	5.438	0.9269	1	coiled-coil domain containing 88A	Cytoplasm	other
11326	JPX	-0.102	6.110	0.84604	1	Kv channel interacting protein 4	Plasma Membrane	ion channel
11327	SRP19	-0.102	5.191	0.89572	1	signal recognition particle 19kDa	Cytoplasm	other
11328	EDEM3	-0.102	7.232	0.78697	1	ER degradation enhancer, mannosidase alpha-like 3	Cytoplasm	enzyme
11329	IMPAD1	-0.102	6.142	0.87394	1	inositol monophosphatase domain containing 1	Cytoplasm	enzyme
11330	EEF2K	-0.102	4.466	0.9289	1	eukaryotic elongation factor 2 kinase	Cytoplasm	kinase
11331	SENP3	-0.103	3.697	0.95993	1	SUMO1/sentrin/SMN3 specific peptidase 3	Nucleus	peptidase
11332	CUL4B	-0.103	6.291	0.85586	1	cullin 4B	Nucleus	other
11333	WDR20	-0.10.						

11352	TSSK4	-0.106	4.602	0.90879	1	testis-specific serine kinase 4		Cytoplasm	kinase
11353	EIF4E3	-0.106	7.342	0.80822	1	eukaryotic translation initiation factor 4E family member 3		Cytoplasm	translation regulator
11354	API52	-0.106	6.578	0.80861	1	adaptor-related protein complex 1, sigma 2 subunit		Cytoplasm	transporter
11355	TUBB6	-0.106	3.532	0.96998	1	tubulin, beta 6 class V		Cytoplasm	other
11356	PIGN	-0.106	5.263	0.90479	1	phosphatidylinositol glycan anchor biosynthesis, class N		Cytoplasm	enzyme
11357	C1orf131	-0.107	5.396	0.88654	1	chromosome 1 open reading frame 131		Other	other
11358	RPF2P1	-0.107	4.156	0.94052	1	ribosome production factor 2 homolog (S. cerevisiae) pseudogene 1		Other	other
11359	ZNF233	-0.107	3.157	0.95268	1	zinc finger protein 233		Nucleus	other
11360	ZNF333	-0.107	6.096	0.85533	1	zinc finger protein 333		Nucleus	other
11361	PPTC7	-0.107	6.032	0.85398	1	PTC7 protein phosphatase homolog (S. cerevisiae)		Cytoplasm	phosphatase
11362	MBTD1	-0.107	5.536	0.87621	1	mbt domain containing 1		Other	other
11363	LARGE	-0.108	2.611	1	1	like-glycosyltransferase		Cytoplasm	enzyme
11364	ABCB7	-0.108	6.326	0.83096	1	ATP-binding cassette, sub-family B (MDR/TAP), member 7		Cytoplasm	transporter
11365	NLRP2	-0.108	3.813	0.93776	1	NLR family, pyrin domain containing 2		Nucleus	other
11366	ZNF185	-0.108	3.574	0.9615	1	zinc finger protein 185 (LIM domain)		Plasma Membrane	other
11367	ACVR1	-0.109	3.421	0.96585	1	activin A receptor, type I		Plasma Membrane	kinase
11368	USP24	-0.109	7.555	0.80075	1	ubiquitin specific peptidase 24		Other	peptidase
11369	ZNF74	-0.109	2.770	1	1	zinc finger protein 74		Nucleus	other
11370	GRADV1	-0.109	5.771	0.87234	1	oral cancer overexpressed 1		Other	other
11371	PPM1F	-0.109	3.933	0.93536	1	protein phosphatase, Mg2+/Mn2+ dependent, 1F		Cytoplasm	phosphatase
11372	BROX	-0.110	6.718	0.79311	1	BR01 domain and CAAV motif containing		Cytoplasm	other
11373	C15orf41	-0.110	4.042	0.94054	1	chromosome 15 open reading frame 41		Other	other
11374	EBPL	-0.110	4.434	0.92933	1	emopamil binding protein-like		Cytoplasm	enzyme
11375	CXorf21	-0.110	1.953	1	1	chromosome X open reading frame 21		Other	enzyme
11376	SPN	-0.110	6.447	0.83547	1	sialophorin		Plasma Membrane	transmembrane receptor
11377	RABL3	-0.110	5.906	0.83753	1	RAB, member of RAS oncogene family-like 3		Other	enzyme
11378	C6orf130	-0.111	6.616	0.80405	1	O-acyl-ADP-ribose deacylase 1		Other	enzyme
11379	USP42	-0.111	5.848	0.84645	1	ubiquitin specific peptidase 42		Other	peptidase
11380	ALYREF	-0.111	6.069	0.83179	1	Aly/REF export factor		Nucleus	transcription regulator
11381	GSP2	-0.112	5.323	0.87872	1	G1 to S phase transition 2		Cytoplasm	translation regulator
11382	ALDH16A1	-0.112	4.190	0.92062	1	aldehyde dehydrogenase 16 family, member A1		Cytoplasm	enzyme
11383	MTMFS	-0.112	3.414	0.95384	1	5,10-methylenetetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase)		Cytoplasm	enzyme
11384	COX15	-0.112	6.504	0.80163	1	cytochrome c oxidase assembly homolog 15 (yeast)		Cytoplasm	enzyme
11385	GOLGA2	-0.112	5.984	0.84805	1	golgin A2		Cytoplasm	other
11386	EXOSC6	-0.112	5.047	0.90448	1	exosome component 6		Nucleus	other
11387	SNXSP1	-0.112	3.293	0.94548	1	sorting nexin 5 pseudogene 1		Other	other
11388	TRIM13	-0.112	6.911	0.78165	1	tripartite motif containing 13		Cytoplasm	enzyme
11389	VKORC1	-0.113	4.258	0.91684	1	vitamin K epoxide reductase complex, subunit 1		Cytoplasm	enzyme
11390	ACD	-0.113	6.722	0.79002	1	adrenocortical dysplasia homolog (mouse)		Nucleus	other
11391	ARMC10	-0.113	5.475	0.86331	1	armadillo repeat containing 10		Cytoplasm	other
11392	GM1	-0.113	7.182	0.77993	1	G elongation factor, mitochondrial 1		Cytoplasm	translation regulator
11393	GLUL	-0.113	6.970	0.86043	1	glutamate-ammonia ligase		Cytoplasm	enzyme
11394	TMEM219	-0.113	6.745	0.7885	1	transmembrane protein 219		Other	other
11395	SEC61G	-0.114	6.351	0.81463	1	Sec61 gamma subunit		Plasma Membrane	transporter
11396	SETD2	-0.114	8.634	0.77944	1	SET domain containing 2		Cytoplasm	enzyme
11397	AF4	-0.114	7.122	0.79831	1	AF4/FMR2 family, member 4		Nucleus	transcription regulator
11398	NBD3	-0.115	5.187	0.87826	1	methyl-CpG binding domain protein 3		Nucleus	other
11399	ABHD6	-0.115	4.106	0.91317	1	abhydrolase domain containing 6		Cytoplasm	enzyme
11400	MED28	-0.115	7.106	0.80714	1	mediator complex subunit 28		Nucleus	other
11401	SLC46A3	-0.115	4.837	0.91066	1	solute carrier family 46, member 3		Extracellular Space	other
11402	LRRN1	-0.115	3.750	0.93759	1	leucine rich repeat neuronal 1		Other	other
11403	IL32	-0.115	8.512	0.82412	1	interleukin 32		Extracellular Space	cytokine
11404	ATP6VOA2	-0.115	5.622	0.87275	1	ATPase, H+ transporting, lysosomal V0 subunit a2		Cytoplasm	transporter
11405	ZNF514	-0.115	5.263	0.87824	1	zinc finger protein 514		Nucleus	other
11406	PPP1R12C	-0.116	5.121	0.88037	1	protein phosphatase 1, regulatory subunit 12C		Cytoplasm	phosphatase
11407	PACSIGN2	-0.116	5.521	0.85181	1	protein kinase C and casein kinase substrate in neurons 2		Cytoplasm	transporter
11408	DROSHA	-0.116	5.615	0.86442	1	drosha, ribonuclease type III		Nucleus	enzyme
11409	HNRRNP40	-0.117	5.741	0.83346	1	heterogeneous nuclear ribonucleoprotein A0		Nucleus	other
11410	KIAA2013	-0.117	5.208	0.89357	1	KIAA2013		Other	other
11411	RABEPK	-0.117	5.245	0.86947	1	Rab9 effector protein with kelch motifs		Cytoplasm	other
11412	NLK	-0.117	4.164	0.9484	1	nemo-like kinase		Nucleus	kinase
11413	KCTD18	-0.117	5.776	0.83687	1	potassium channel tetramerization domain containing 18		Other	other
11414	CEP152	-0.117	6.357	0.86712	1	centrosomal protein 152kDa		Cytoplasm	other
11415	FBR5	-0.117	5.592	0.85068	1	fibrosin		Extracellular Space	cytokine
11416	EMC2	-0.117	6.345	0.83574	1	ER membrane protein complex subunit 2		Nucleus	other
11417	ATL1	-0.117	3.045	0.95447	1	atlastin GTPase 1		Cytoplasm	enzyme
11418	EIF1AD	-0.117	5.573	0.87227	1	eukaryotic translation initiation factor 1A domain containing		Nucleus	other
11419	AAED1	-0.117	4.722	0.88919	1	AhpC/7SA antioxidant enzyme domain containing 1		Other	other
11420	CASP3	-0.118	6.917	0.78551	1	caspace 3, apoptosis-related cysteine peptidase		Cytoplasm	peptidase
11421	SPTSSA	-0.118	4.712	0.92095	1	serine palmitoyltransferase, small subunit A		Cytoplasm	transporter
11422	MFSO9	-0.118	5.338	0.88451	1	major facilitator superfamily domain containing 9		Other	transporter
11423	ADI1	-0.118	6.298	0.81197	1	acireductone dioxygenase 1		Nucleus	enzyme
11424	ATP1A1	-0.118	6.590	0.78403	1	ATPase, Na+/K+ transporting, alpha 1 polypeptide		Plasma Membrane	transporter
11425	CDC64	-0.118	4.937	0.91524	1	colled-coil domain containing 64		Cytoplasm	other
11426	RNF40	-0.119	5.199	0.88842	1	ring finger protein 40, E3 ubiquitin protein ligase		Cytoplasm	enzyme
11427	UBR7	-0.119	6.485	0.8071	1	ubiquitin protein ligase E3 component n-recognin 7 (putative)		Other	enzyme
11428	FAM217B	-0.120	6.339	0.81919	1	family with sequence similarity 217, member B		Other	other
11429	MAP9	-0.120	4.936	0.89713	1	microtubule-associated protein 9		Other	other
11430	SCAND1	-0.120	6.446	0.79145	1	SCAN domain containing 1		Nucleus	transcription regulator
11431	CCS	-0.120	6.558	0.78653	1	copper chaperone for superoxide dismutase		Cytoplasm	enzyme
11432	MTRF1	-0.121	5.338	0.87254	1	mitochondrial translational release factor 1		Cytoplasm	translation regulator
11433	KCTD20	-0.121	7.541	0.78317	1	potassium channel tetramerization domain containing 20		Cytoplasm	other
11434	LHYDPDH	-0.121	5.642	0.84326	1	L-3-hydroxyproline dehydratase (trans-)		Other	enzyme
11435	SH2	-0.121	6.434	0.86278	1	slingshot protein phosphatase 2		Cytoplasm	phosphatase
11436	ZNF557	-0.121	5.013	0.86476	1	zinc finger protein 557		Nucleus	other
11437	ZKSCAN5	-0.122	5.398	0.85363	1	zinc finger with KRAB and SCAN domains 5		Nucleus	transcription regulator
11438	C11orf1	-0.122	3.605	0.93479	1	chromosome 11 open reading frame 1		Nucleus	other
11439	NAP1L4P1	-0.122	4.032	0.91708	1	nucleosome assembly protein 1-like 4 pseudogene 1		Other	other
11440	SCRN2	-0.123	6.197	0.84509	1	secernin 2		Extracellular Space	other
11441	DDX47	-0.123	4.777	0.86976	1	DEAD (Asp-Glu-Ala-Asp) box polypeptide 47		Nucleus	enzyme
11442	VAMP1	-0.123	6.391	0.88625	1	vesicle-associated membrane protein 1 (synaptobrevin 1)		Cytoplasm	transporter
11443	TCEB3	-0.124	6.600	0.8324	1	transcription elongation factor B (SII), polypeptide 3 (110kDa, elongin A)		Nucleus	transcription regulator
11444	SEPT7P8	-0.124	4.393	0.89924	1	septin 7 pseudogene 8		Other	other
11445	POBP1	-0.124	2.226	1	1	importin B pseudogene 1		Other	other
11446	ATP9B	-0.124	6.479	0.8335	1	ATPase, class B, type 9B		Cytoplasm	transporter
11447	C20orf72	-0.124	5.478	0.84191	1	mitochondrial genome maintenance exonuclease 1		Cytoplasm	enzyme
11448	UBAP1	-0.125	6.394	0.84205	1	ubiquitin associated protein 1		Cytoplasm	other
11449	LRFFIP1P1	-0.125	5.184	0.86203	1	leucine rich repeat (in FLII) interacting protein 1 pseudogene 1		Other	other
11450	PKM	-0.125	9.213	0.78957	1	pyruvate kinase, muscle		Cytoplasm	kinase
11451	C6orf70	-0.126	5.829	0.86638	1	ER membrane-associated RNA degradation		Other	other
11452	GALNT10	-0.126	6.729	0.78713	1	polypeptide N-acetyl(galactosaminyl)transferase 10		Cytoplasm	enzyme
11453	POLR3B	-0.127	3.688	0.92569	1	polymerase (RNA) III (DNA directed) polypeptide B		Nucleus	enzyme
11454	FAM203A	-0.127	5.195	0.86052	1	HGH1 homolog (S. cerevisiae)		Other	other
11455	CBX1	-0.127	4.816	0.87156	1	chromobox homolog 1		Nucleus	transcription regulator
11456	HEXIM1	-0.127	6.283	0.79735	1	hexamethylene bis-acetamide inducible 1		Nucleus	transcription regulator
11457	GABARAP	-0.127	2.456	1	1	GABARAP receptor-associated protein		Cytoplasm	transporter
11458	PDN1	-0.127	5.987	0.83098	1	profilin subunit 1		Cytoplasm	transcription regulator
11459	ZBTB7A	-0.127	5.608	0.84345	1	zinc finger and BTB domain containing 7A		Nucleus	transcription regulator
11460	STAG3	-0.127	2.191	1	1	stromal antigen 3		Nucleus	other
11461	TMSB4XP8	-0.128	5.491	0.					

11484	ZBTB46	-0.134	3.587	0.96113	1	zinc finger and BTB domain containing 46	Nucleus	other
11485	ZNF814	-0.134	5.791	0.84871	1	zinc finger protein 814	Other	other
11486	RNFT1	-0.134	6.081	0.811	1	ring finger protein, transmembrane 1	Other	other
11487	KIAA1704	-0.134	5.656	0.82766	1	GPALP motifs containing 1	Other	other
11488	SLC24A6	-0.134	5.380	0.84052	1	solute carrier family 8 (sodium/lithium/calcium exchanger), member 81	Plasma Membrane	transporter
11489	EIF2AK4	-0.134	4.963	0.86085	1	eukaryotic translation initiation factor 2 alpha kinase 4	Cytoplasm	kinase
11490	CIGL3	-0.134	3.044	0.95021	1	complement component 1, q subcomponent-like 3	Extracellular Space	other
11491	GPOL1	-0.134	5.302	0.87222	1	specific-type PO2 protein-like	Other	other
11492	PTPN18	-0.135	6.503	0.789	1	protein tyrosine phosphatase, non-receptor type 18 (brain-derived)	Nucleus	phosphatase
11493	GSDMB	-0.135	5.430	0.85263	1	gasdermin B	Other	other
11494	PLD2	-0.135	3.751	0.93367	1	phospholipase D2	Cytoplasm	enzyme
11495	CHML	-0.135	5.054	0.88063	1	choroideremia-like (Rab escort protein 2)	Cytoplasm	enzyme
11496	GNS	-0.135	6.273	0.78614	1	glucosamine (N-acetyl)-6-sulfatase	Cytoplasm	enzyme
11497	ZNF346	-0.135	6.051	0.81266	1	zinc finger protein 346	Nucleus	other
11498	CD83	-0.136	5.915	0.83515	1	CD83 molecule	Plasma Membrane	transmembrane receptor
11499	HAUS1	-0.136	4.870	0.85511	1	HAUS augmin-like complex, subunit 1	Nucleus	other
11500	RPAP3	-0.136	5.888	0.82732	1	RNA polymerase II associated protein 3	Other	enzyme
11501	SIL1	-0.137	4.705	0.91114	1	SIL1 nucleotide exchange factor	Cytoplasm	transporter
11502	PPP1R35	-0.137	4.762	0.86715	1	protein phosphatase 1, regulatory subunit 35	Other	other
11503	JAKMIP1	-0.137	2.754	1	1	janus kinase and microtubule interacting protein 1	Cytoplasm	other
11504	WRN	-0.137	6.021	0.82128	1	Werner syndrome, RecQ helicase-like	Nucleus	enzyme
11505	GABPB1-AS	-0.137	7.553	0.82029	1	GABPB1 antisense RNA 1	Other	other
11506	DPM2	-0.137	6.608	0.77788	1	dolichyl-phosphate mannosyltransferase polypeptide 2, regulatory subunit	Cytoplasm	enzyme
11507	C11orf71	-0.138	4.742	0.88062	1	chromosome 11 open reading frame 71	Other	other
11508	BCL7C	-0.138	5.394	0.82588	1	B-cell CLL/lymphoma 7C	Nucleus	other
11509	ANGEL1	-0.138	5.512	0.87736	1	angel homolog 1 (Drosophila)	Extracellular Space	other
11510	MEF2BNB	-0.138	3.734	0.89839	1	MEF2B neighbor	Other	other
11511	EPS15L1	-0.139	4.685	0.8692	1	epidermal growth factor receptor pathway substrate 15-like 1	Plasma Membrane	other
11512	FAM1881	-0.139	5.983	0.79343	1	trans-golgi network vesicle protein 23 homolog 8 (S. cerevisiae)	Other	other
11513	MINOS1	-0.139	4.656	0.88499	1	mitochondrial inner membrane organizing system 1	Cytoplasm	other
11514	ELK1	-0.139	3.591	0.93506	1	ELK1, member of ETS oncogene family	Nucleus	transcription regulator
11515	ZNF77	-0.139	4.479	0.88718	1	zinc finger protein 77	Nucleus	other
11516	YRDC	-0.139	5.125	0.86158	1	yeast N60-threonylcarbamoyltransferase domain containing	Other	other
11517	MAP3K13	-0.140	5.582	0.82507	1	mitogen-activated protein kinase kinase kinase 13	Cytoplasm	kinase
11518	CENPO	-0.140	3.175	0.96139	1	centromere protein O	Nucleus	other
11519	FAM134A	-0.140	6.692	0.79334	1	family with sequence similarity 134, member A	Other	other
11520	SPAG9	-0.140	6.237	0.80612	1	sperm associated antigen 9	Cytoplasm	other
11521	ARL2BP	-0.140	3.665	0.88036	1	ADP-ribosylation factor-like 2 binding protein	Cytoplasm	transcription regulator
11522	CCDC97	-0.141	6.137	0.79568	1	coiled-coil domain containing 97	Other	other
11523	EEF1E1	-0.141	5.084	0.86228	1	eukaryotic translation elongation factor 1 epsilon 1	Cytoplasm	translation regulator
11524	TBPL1	-0.141	6.263	0.77979	1	TBP-like 1	Nucleus	transcription regulator
11525	TATDN3	-0.141	5.178	0.87622	1	TatD DNase domain containing 3	Cytoplasm	other
11526	DSN1	-0.142	5.552	0.84771	1	DSN1, MIS12 kinetochore complex component	Nucleus	other
11527	UBE2AMP1	-0.142	3.693	0.93528	1	ubiquitin-conjugating enzyme E2M pseudogene 1	Other	other
11528	SEF3AP1	-0.142	4.176	0.88255	1	splicing factor 3a, subunit 3 pseudogene 1	Other	other
11529	FAM169A	-0.142	5.894	0.86849	1	family with sequence similarity 169, member A	Other	other
11530	DHR57B	-0.143	6.200	0.78052	1	dehydrogenase/reductase (SDR family) member 7B	Other	other
11531	PKP4	-0.143	4.204	0.89871	1	plakophilin 4	Plasma Membrane	other
11532	CRELD2	-0.143	6.087	0.84552	1	cysteine-rich with EGF-like domains 2	Other	other
11533	TADA1	-0.143	6.234	0.80928	1	transcriptional adaptor 1	Other	transcription regulator
11534	NOP14	-0.144	5.883	0.81293	1	NOP14 nuclear protein	Nucleus	other
11535	SUMO4	-0.144	4.930	0.86075	1	small ubiquitin-like modifier 4	Other	other
11536	CALM2P3	-0.144	2.386	1	1	calmodulin 2 pseudogene 3	Other	other
11537	EP400	-0.144	6.213	0.78989	1	E1A binding protein p400	Nucleus	other
11538	PMS2P4	-0.144	2.561	1	1	postmeiotic segregation increased 2 pseudogene 4	Other	other
11539	KCTD7	-0.145	6.019	0.81905	1	potassium channel tetramerization domain containing 7	Other	ion channel
11540	AQP3	-0.146	5.585	0.85802	1	aquaporin 3 (kill blood group)	Plasma Membrane	transporter
11541	TPRIIP1	-0.146	5.025	0.90693	1	inverted 1,4,5-trisphosphate receptor interacting protein-like 1	Other	other
11542	CLPP	-0.146	6.109	0.81883	1	caseinolytic mitochondrial matrix peptidase proteolytic subunit	Cytoplasm	peptidase
11543	TCTA	-0.146	6.198	0.7957	1	T-cell leukemia translocation altered	Other	other
11544	ADH5P4	-0.147	4.892	0.86266	1	alcohol dehydrogenase 5 (class III), chi polypeptide, pseudogene 4	Other	other
11545	DNASE2	-0.147	4.994	0.85975	1	deoxyribonuclease II, lysosomal	Cytoplasm	enzyme
11546	METTL23	-0.147	5.878	0.78935	1	methyltransferase like 23	Other	other
11547	PALB2	-0.147	4.431	0.88135	1	partner and localizer of BRCA2	Nucleus	other
11548	NFKB1	-0.147	8.805	0.79347	1	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	Nucleus	transcription regulator
11549	CCDC74A	-0.147	2.520	1	1	coiled-coil domain containing 74A	Other	other
11550	C22orf13	-0.147	5.459	0.84308	1	guanylyl cyclase domain containing 1	Other	other
11551	RPL23A	-0.148	5.753	0.79388	1	ribosomal protein L23a	Other	kinase
11552	VRK2	-0.148	5.448	0.85626	1	vaccinia related kinase 2	Nucleus	kinase
11553	ANKB1	-0.148	6.762	0.81177	1	ankyrin repeat and IBR domain containing 1	Nucleus	transcription regulator
11554	PTPLA	-0.148	4.178	0.89911	1	3-hydroxyacyl-CoA dehydratase 1	Cytoplasm	enzyme
11555	C11orf63	-0.149	4.068	0.8782	1	chromosome 11 open reading frame 63	Other	other
11556	TCEA1	-0.149	5.831	0.80461	1	transcription elongation factor A (SII), 1	Nucleus	transcription regulator
11557	GRK6P1	-0.149	3.210	0.95004	1	G protein-coupled receptor kinase 6 pseudogene 1	Other	other
11558	RAD52	-0.149	4.762	0.86501	1	RAD52 homolog (S. cerevisiae)	Nucleus	other
11559	NMB	-0.149	2.205	1	1	neuromedin B	Extracellular Space	other
11560	PHK8	-0.150	6.402	0.78007	1	phosphorylase kinase, beta	Cytoplasm	kinase
11561	LDLR	-0.150	6.037	0.79746	1	low density lipoprotein receptor	Plasma Membrane	transporter
11562	FBXW9	-0.150	2.132	1	1	F-box and WD repeat domain containing 9	Other	other
11563	TMEM117	-0.150	2.856	0.93692	1	transmembrane protein 117	Cytoplasm	other
11564	HAUS2	-0.150	5.702	0.78967	1	HAUS augmin-like complex, subunit 2	Cytoplasm	other
11565	ASB6	-0.151	5.929	0.78266	1	ankyrin repeat and SOCS box containing 6	Nucleus	transcription regulator
11566	TOR2A	-0.151	5.339	0.81948	1	torin family 2, member A	Extracellular Space	other
11567	RNASEH2C	-0.151	5.739	0.80187	1	ribonuclease H2, subunit C	Other	other
11568	TMA7	-0.151	4.299	0.86758	1	translation machinery associated 7 homolog (S. cerevisiae)	Other	other
11569	HADHAP1	-0.152	4.276	0.85887	1	hydroxyacyl-CoA dehydrogenase/3-ketoacyl-CoA thiolase/enoyl-CoA hydratase (trifunctional protein), alpha subunit pseudogene 1	Other	other
11570	ZNF18	-0.152	5.695	0.8311	1	zinc finger protein 18	Nucleus	transcription regulator
11571	POK1L	-0.152	6.141	0.78837	1	PDLIM1 interacting kinase 1 like	Nucleus	kinase
11572	TBKBP1	-0.153	3.009	0.95814	1	TBK1 binding protein 1	Other	other
11573	RPL37AP1	-0.153	4.725	0.84042	1	ribosomal protein L37a pseudogene 1	Other	other
11574	EPDR1	-0.154	3.107	0.96457	1	ependymin related 1	Nucleus	other
11575	CNPY4	-0.154	5.177	0.8434	1	canopy GGF signaling regulator 4	Other	other
11576	SRD5A1	-0.154	3.708	0.90917	1	steroid 5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)	Cytoplasm	enzyme
11577	PTER	-0.155	5.548	0.81884	1	phosphatidate transferase related	Cytoplasm	enzyme
11578	ADAT2	-0.155	4.891	0.86054	1	adenosine deaminase, tRNA-specific 2	Other	enzyme
11579	STK32C	-0.155	4.156	0.89999	1	serine/threonine kinase 32C	Other	kinase
11580	ZNF611	-0.155	6.063	0.77866	1	zinc finger protein 611	Other	other
11581	SRF	-0.155	5.838	0.8032	1	serum response factor (c-fos serum response element-binding transcription factor)	Nucleus	transcription regulator
11582	C15orf40	-0.155	5.921	0.78132	1	chromosome 15 open reading frame 40	Other	other
11583	EEF1B2P2	-0.156	3.721	0.92384	1	eukaryotic translation elongation factor 1 beta 2 pseudogene 2	Other	other
11584	MRPL36	-0.156	4.821	0.86717	1	mitochondrial ribosomal protein L36	Cytoplasm	other
11585	DPM1	-0.157	6.105	0.79337	1	dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit	Cytoplasm	enzyme
11586	SH3GLB2	-0.157	5.340	0.82244	1	SH3-domain GRB2-like endophilin B2	Cytoplasm	other
11587	RPA3	-0.157	5.082	0.81913	1	replication protein A3, 14kDa	Nucleus	other
11588	RNF2	-0.157	2.578	0.93813	1	ring finger protein, transmembrane 2	Other	other
11589	NUDT9	-0.157	5.471	0.80652	1	nucleic acid nucleoside diphosphate linked moiety X-type motif 9	Cytoplasm	phosphatase
11590	ZNF513	-0.158	3.460	0.92865	1	zinc finger protein 513	Nucleus	other
11591	NPHP3	-0.158	5.625	0.80299	1	nephronophthisis 3 (adolescent)	Extracellular Space	other
11592	PPP1R3E	-0.158	6.009	0.78158	1	protein phosphatase 1, regulatory subunit 3E	Other	other
11593	SNAP47	-0.159	5.904	0.79131	1	synaptosomal-associated protein, 47kDa	Plasma Membrane	other
11594	SCRN3	-0.159	4.676	0.90248	1	secernin 3	Other	other
11595	DNMBP	-0.159	3.270	0.96398	1	dynamitin binding protein	Cytoplasm	other
11596	LYPLA1P3	-0.159	3.976	0.90467	1	lysophospholipase 1 pseudogene 3	Other	other
11597	ZNF417	-0.159	3.744	0.89256	1	zinc finger protein 417	Nucleus	other
11598	SLC27A1	-0.160	3.978	0.92597	1	solute carrier family 27 (fatty acid transporter), member 1	Plasma Membrane	transporter
11599	EPB49	-0.160	1.710	1	1	dematin actin binding protein	Plasma Membrane	other
11600	PKD2L2	-0.160	2.659	0.93438	1	polycystic kidney disease 2-like 2	Plasma Membrane	ion channel
11601	LMN	-0.160	3.949	0.86854	1	leishmaniasin-like (metallopeptidase M8 family)	Plasma Membrane	peptidase
11602	RPL10P3	-0.160	1.907	1	1	ribosomal protein L10 pseudogene 3	Other	other
11603	ADAM15	-0.160	3.826	0.89274	1	ADAM metalloproteinase domain 15	Plasma Membrane	peptidase
11604	C1orf191	-0.161	4.013	0.90597	1	SSBP3 antisense RNA 1	Other	other
11605	OGN	-0.161	2.985	0.94818	1	osteglycin	Extracellular Space	growth factor
11606	CRB3	-0.161	2.136	1	1	crumbs family member 3	Cytoplasm	other
11607	CCDC8B8	-0.161	6.768	0.78019	1	coiled-coil domain containing 88B	Nucleus	enzyme
11608	RPL7AP30	-0.161	4.512	0.85167	1	ribosomal protein L7a pseudogene 30	Other	other
11609	C15orf23	-0.162	4.012	0.87787	1	kinetochore-localized astrin/SPAG5 binding protein	Cytoplasm	other
11610	KLHL17	-0.162	3.258	0.92096	1	kelch-like family member 17	Cytoplasm	other
11611	PCYOX1L	-0.163	5.019	0.83129	1	prenylcysteine oxidase 1 like	Other	other
11612	CCP110	-0.163	5.658	0.79131	1	centriolar coiled coil protein 110kDa	Cytoplasm	other
11613	PSMA6	-0.164	5.117	0.82454	1	proteasome (prosome, macropain) subunit, alpha type, 6	Cytoplasm	peptidase
11614	HLHA3	-0.164	3.822	0.86851	1	HERV-H LTR-associated 3	Other	other
11615	AORBK2	-0.164	3.793	0.90984	1	adrenergic, beta, receptor kinase 2	Cytoplasm	kinase

11616	KANK1	-0.165	3.333	0.92966	1	KN motif and ankyrin repeat domains 1	Nucleus	transcription regulator
11617	GCM1	-0.165	2.031	1	1	glial cells missing homolog 1 (Drosophila)	Nucleus	transcription regulator
11618	FOCAD	-0.166	5.449	0.81746	1	focadhesin	Plasma Membrane	other
11619	RBM19	-0.166	6.123	0.78664	1	RNA binding motif protein 19	Nucleus	other
11620	RAB11FIP3	-0.167	4.572	0.87056	1	RAB11 family interacting protein 3 (class II)	Cytoplasm	other
11621	ATPSA1P2	-0.168	4.509	0.8531	1	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1 pseudogene 2	Other	other
11622	GLTSCR1	-0.168	2.378	1	1	glioma tumor suppressor candidate region gene 1	Extracellular Space	other
11623	FAM149B1	-0.169	4.891	0.84274	1	family with sequence similarity 149, member B1	Other	other
11624	CHRM3-AS	-0.169	5.808	0.85617	1	CHRM3 antisense RNA 2	Other	other
11625	PLSCR2	-0.170	1.655	1	1	phospholipid scramblase 2	Other	other
11626	LRRCC28	-0.170	4.991	0.82754	1	leucine rich repeat containing 28	Other	other
11627	RETSAT	-0.170	3.323	0.95944	1	retinol saturase (all-trans-retinol 13,14-reductase)	Cytoplasm	enzyme
11628	ANKDD1A	-0.171	3.594	0.89155	1	ankyrin repeat and death domain containing 1A	Other	other
11629	NAGPA	-0.171	5.252	0.82515	1	N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase	Cytoplasm	enzyme
11630	NDUF4F4	-0.171	5.483	0.78779	1	NADH dehydrogenase (ubiquinone) complex 1, assembly factor 4	Cytoplasm	other
11631	ERLIN1	-0.171	4.516	0.90343	1	ER lipid raft associated 1	Plasma Membrane	other
11632	FAM175A	-0.172	4.501	0.83979	1	family with sequence similarity 175, member A	Nucleus	other
11633	FBXL8	-0.173	3.814	0.90988	1	F-box and leucine-rich repeat protein 8	Other	other
11634	RBF4	-0.173	4.608	0.84283	1	ribosome binding factor A (putative)	Cytoplasm	other
11635	PSMC3IP	-0.173	2.303	1	1	PSMC3 interacting protein	Nucleus	transcription regulator
11636	GOLGA5	-0.173	5.919	0.78362	1	galgln 5	Cytoplasm	kinase
11637	KCTD15	-0.173	2.561	1	1	potassium channel tetramerization domain containing 15	Other	ion channel
11638	ZBTB7B	-0.174	3.357	0.90431	1	zinc finger and BTB domain containing 7B	Nucleus	transcription regulator
11639	KBTBD4	-0.174	5.585	0.7931	1	kelch repeat and BTB (POZ) domain containing 4	Other	other
11640	KIAA0753	-0.174	4.540	0.83125	1	KIAA0753	Cytoplasm	other
11641	PIGP	-0.174	4.928	0.83947	1	phosphatidylinositol glycan anchor biosynthesis, class P	Cytoplasm	enzyme
11642	SIPAL13	-0.174	4.135	0.89221	1	signal-induced proliferation-associated 1 like 3	Extracellular Space	other
11643	RYPK1	-0.174	2.622	1	1	receptor-like tyrosine kinase pseudogene 1	Other	other
11644	CSNK1A1L	-0.175	3.602	0.91465	1	casein kinase 1, alpha 1-like	Cytoplasm	kinase
11645	C5orf51	-0.175	5.535	0.80805	1	chromosome 5 open reading frame 51	Other	other
11646	EYS	-0.176	3.988	0.87958	1	eyes shut homolog (Drosophila)	Cytoplasm	other
11647	ATG7	-0.176	5.990	0.78335	1	autophagy related 7	Cytoplasm	enzyme
11648	SBPON	-0.176	2.339	1	1	comatosein B and thrombospondin, type 1 domain containing	Extracellular Space	other
11649	PLS1	-0.177	3.258	0.92191	1	plastin 1	Plasma Membrane	other
11650	AP4S1	-0.177	4.206	0.85916	1	adaptor-related protein complex 4, sigma 1 subunit	Cytoplasm	transporter
11651	ZNF449	-0.177	5.177	0.83057	1	zinc finger protein 449	Nucleus	transcription regulator
11652	UBE2E1	-0.178	4.349	0.84771	1	ubiquitin-conjugating enzyme E2E 1	Cytoplasm	enzyme
11653	LAMP1	-0.178	4.801	0.82993	1	lysosomal-associated membrane protein 1	Plasma Membrane	other
11654	CHPF2	-0.179	6.162	0.82605	1	chondroitin polymerizing factor 2	Cytoplasm	enzyme
11655	SLC2AARG	-0.179	1.654	1	1	SLC2A4 regulator	Cytoplasm	transcription regulator
11656	ZNF865	-0.179	2.038	1	1	zinc finger protein 865	Other	other
11657	MESDC1	-0.180	3.962	0.87944	1	mesoderm development candidate 1	Other	other
11658	CERS4	-0.181	4.671	0.85029	1	ceramide synthase 4	Cytoplasm	transcription regulator
11659	UBOV5	-0.181	4.635	0.84738	1	U-box domain containing 5	Nucleus	other
11660	GPM2	-0.182	4.247	0.86093	1	G-protein signaling mediator 2	Nucleus	other
11661	ANKRD13C	-0.182	5.491	0.78257	1	ankyrin repeat domain 13C	Cytoplasm	other
11662	ANKRD10-4	-0.183	3.776	0.88919	1	ANKRD10 intronic transcript 1	Other	other
11663	PDGFA	-0.183	2.639	0.92231	1	platelet-derived growth factor alpha polypeptide	Extracellular Space	growth factor
11664	SMYD5	-0.183	5.194	0.84776	1	SMYD family member 5	Other	other
11665	C3orf65	-0.184	2.137	1	1	IGF2BP2 antisense RNA 1	Other	other
11666	LDHBP1	-0.184	2.701	1	1	lactate dehydrogenase B pseudogene 1	Other	other
11667	TRDV3	-0.184	2.162	1	1	T cell receptor delta variable 3	Other	other
11668	ARHGEF2	-0.184	4.819	0.81368	1	Rho/Rac guanine nucleotide exchange factor (GEF) 2	Cytoplasm	other
11669	POPCD2	-0.185	4.623	0.89005	1	popeye domain containing 2	Other	other
11670	DLGAP1-AS	-0.186	3.201	0.90452	1	DLGAP1 antisense RNA 2	Other	other
11671	ZNF223	-0.186	2.217	1	1	zinc finger protein 223	Nucleus	other
11672	LRR1	-0.187	5.051	0.81908	1	leucine rich repeat protein 1	Other	enzyme
11673	COMTMD1	-0.187	3.848	0.86266	1	catechol-O-methyltransferase domain containing 1	Plasma Membrane	enzyme
11674	ARL13B	-0.188	4.922	0.82245	1	ADP-ribosylation factor-like 13B	Extracellular Space	other
11675	CHCHD5	-0.188	4.797	0.81487	1	coiled-coil-helix-coiled-coil-helix domain containing 5	Other	other
11676	HIC1	-0.188	2.635	0.93176	1	hypermethylated in cancer 1	Nucleus	transcription regulator
11677	TECPR2	-0.188	4.448	0.86797	1	tectonin beta-propeller repeat containing 2	Other	other
11678	REXO1	-0.189	4.013	0.87151	1	REX1, RNA exonuclease 1 homolog (S. cerevisiae)	Nucleus	transcription regulator
11679	ZNF668	-0.190	2.762	0.94933	1	zinc finger protein 668	Cytoplasm	transcription regulator
11680	ZNF582	-0.190	4.596	0.84262	1	zinc finger protein 582	Other	other
11681	NHP2P1	-0.190	4.643	0.80741	1	NHP2 ribonucleoprotein pseudogene 1	Other	other
11682	TEFM	-0.190	5.207	0.80497	1	transcription elongation factor, mitochondrial	Cytoplasm	transcription regulator
11683	FOXO3B	-0.191	2.745	0.9462	1	forkhead box O3B pseudogene	Other	other
11684	MAMDC4	-0.191	3.277	0.92364	1	MAM domain containing 4	Cytoplasm	other
11685	SDHAF2	-0.191	4.655	0.81917	1	succinate dehydrogenase complex assembly factor 2	Extracellular Space	other
11686	SMN1	-0.192	2.729	0.92534	1	survival of motor neuron 1, telomeric	Nucleus	other
11687	CHST10	-0.192	4.602	0.84064	1	carbohydrate sulfotransferase 10	Cytoplasm	enzyme
11688	EIF3I1	-0.192	3.770	0.88702	1	eukaryotic translation initiation factor 3, subunit 1 pseudogene 1	Other	other
11689	CXorf40B	-0.192	4.518	0.84738	1	chromosome X open reading frame 40A	Other	other
11690	MEGF9	-0.193	4.970	0.79826	1	multiple EGF-like domains 9	Other	other
11691	H6PD	-0.193	5.565	0.80399	1	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	Cytoplasm	enzyme
11692	STK16	-0.194	2.786	0.94131	1	serine/threonine kinase 16	Cytoplasm	kinase
11693	FRX2	-0.194	4.646	0.85978	1	fragile X mental retardation, autosomal homolog 2	Cytoplasm	other
11694	MLLT1	-0.194	4.818	0.80711	1	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 1	Nucleus	transcription regulator
11695	SOC2S-AS1	-0.195	3.224	0.892	1	SOC2S antisense RNA 1	Other	other
11696	APBS1P	-0.196	4.953	0.79129	1	apoptosis inhibitor 5 pseudogene 1	Other	other
11697	TESK1	-0.197	4.464	0.86853	1	testis-specific kinase 1	Nucleus	kinase
11698	WDHD1	-0.197	4.425	0.87516	1	WD repeat and HMG-box DNA binding protein 1	Nucleus	other
11699	CHEK1	-0.197	3.598	0.87963	1	checkpoint kinase 1	Nucleus	kinase
11700	RPS27AP1	-0.197	2.928	0.93292	1	ribosomal protein S27a pseudogene 1	Other	other
11701	MTX3	-0.198	4.604	0.86809	1	metaxin 3	Other	other
11702	NPM1P12	-0.198	2.800	0.92262	1	nucleophosmin 1 (nucleolar phosphoprotein 823, numatrin) pseudogene 12	Other	other
11703	ZNF17	-0.198	5.649	0.80347	1	zinc finger protein 17	Nucleus	other
11704	ADC	-0.198	2.956	0.91615	1	antizyme inhibitor 2	Cytoplasm	enzyme
11705	C2orf42	-0.199	5.342	0.8001	1	chromosome 2 open reading frame 42	Nucleus	other
11706	ZNF71	-0.199	4.824	0.84369	1	zinc finger protein 71	Nucleus	other
11707	C18orf32	-0.200	4.249	0.81069	1	chromosome 18 open reading frame 32	Other	other
11708	FTF4	-0.200	5.106	0.81864	1	intraflagellar transport 74	Cytoplasm	other
11709	MICAL3	-0.200	4.844	0.81183	1	microtubule associated monooxygenase, calponin and LIM domain containing 3	Cytoplasm	enzyme
11710	BZW1P1	-0.200	5.016	0.78971	1	basic leucine zipper and W2 domains 1 pseudogene 1	Other	other
11711	ZNF850	-0.200	4.094	0.88428	1	zinc finger protein 850	Other	other
11712	ANKRD20A	-0.200	2.825	0.9346	1	ankyrin repeat domain 20 family, member A11, pseudogene	Other	other
11713	BCL10	-0.203	5.216	0.79156	1	B-cell CLL/lymphoma 10	Cytoplasm	transcription regulator
11714	HNRNPJ-AS	-0.203	4.569	0.81495	1	HNRNPJ antisense RNA 1	Other	other
11715	EMP1	-0.203	4.136	0.87038	1	epithelial membrane protein 1	Plasma Membrane	other
11716	SFMBT2	-0.204	4.667	0.83192	1	Scm-like with four mbt domains 2	Nucleus	other
11717	PPP5C	-0.204	5.042	0.83615	1	protein phosphatase 5, catalytic subunit	Nucleus	phosphatase
11718	FAM159A	-0.204	4.035	0.87063	1	family with sequence similarity 159, member A	Other	other
11719	CROT	-0.204	4.346	0.83817	1	carnitine O-octanoyltransferase	Cytoplasm	enzyme
11720	RPL37AP8	-0.205	3.421	0.8538	1	ribosomal protein L37a pseudogene 8	Other	other
11721	ADCY9	-0.205	4.372	0.83486	1	adenylyl cyclase 9	Plasma Membrane	enzyme
11722	ITGAM	-0.205	5.140	0.84781	1	integrin, alpha M (complement component 3 receptor 3 subunit)	Plasma Membrane	transmembrane receptor
11723	CBWD2	-0.205	4.617	0.81379	1	CBWD domain containing 2	Other	other
11724	DHHC9	-0.206	3.853	0.88991	1	zinc finger, DHHC-type containing 9	Cytoplasm	enzyme
11725	MIR4637	-0.206	2.093	1	1	microRNA 4637	Cytoplasm	microRNA
11726	STRADB	-0.207	4.306	0.80989	1	STE20-related kinase adaptor beta	Cytoplasm	kinase
11727	INE1	-0.208	2.533	1	1	inactivation escape 1 (non-protein coding)	Other	other
11728	MTA3	-0.209	3.831	0.87021	1	metastasis associated 1 family, member 3	Nucleus	other
11729	PGBD4	-0.209	4.384	0.83524	1	piggyBac transposable element derived 4	Other	other
11730	SLC22A17	-0.210	3.001	0.94322	1	solute carrier family 22, member 17	Plasma Membrane	transporter
11731	SPARCL1	-0.210	2.047	1	1	SPARC-like 1 (hevin)	Extracellular Space	other
11732	CASP10	-0.210	5.550	0.79533	1	caspase 10, apoptosis-related cysteine peptidase	Cytoplasm	peptidase
11733	TRA250V	-0.211	2.374	1	1	T cell receptor alpha variable 25/delta variable 5 [gene/pseudogene]	Other	other
11734	ZWIM6	-0.211	4.170	0.80773	1	zinc finger, SWIM-type containing 6	Other	other
11735	FTH1P3	-0.211	2.430	0.91308	1	ferritin, heavy polypeptide 1 pseudogene 3	Other	other
11736	AGPAT9	-0.211	5.579	0.81298	1	1-acylglycerol-3-phosphate O-acyltransferase 9	Cytoplasm	enzyme
11737	EFNB2	-0.213	2.036	1	1	efgrin-B2	Plasma Membrane	other
11738	HLA-H	-0.213	3.847	0.82071	1	major histocompatibility complex, class I, H (pseudogene)	Plasma Membrane	other
11739	ENOX2	-0.213	4.945	0.81275	1	ecto-NOX disulfide-thiol exchanger 2	Plasma Membrane	enzyme
11740	PRR4	-0.214	4.538	0.81834	1	proline rich 4 (lacrima)	Extracellular Space	other
11741	IDH1	-0.214	4.962	0.77852	1	isocitrate dehydrogenase 1 (NADP+), soluble	Cytoplasm	enzyme
11742	NRM	-0.214	3.775	0.87237	1	nurim (nuclear envelope membrane protein)	Nucleus	other
11743	ARHGEF9	-0.215	4.361	0.79673	1	Cdc42 guanine nucleotide exchange factor (GEF) 9	Cytoplasm	other
11744	IFIT2L	-0.215	4.439	0.81413	1	interferon, alpha-inducible protein 27-like 2	Other	other
11745	FSOIL	-0.216	3.110	0.88828	1	fibronectin type III and SPRY domain containing 1-like	Other	other
11746	C11orf65	-0.217	4.108	0.84992	1	chromosome 11 open reading frame 65	Other	other
11747	GDI2P2	-0.217	4.666	0.79826	1	GDP-dissociation inhibitor 2 pseudogene 2	Other	other

11748	PTRHD1	-0.217	3.807	0.83574	1	peptidyl-RNA hydrolase domain containing 1	Cytoplasm	other
11749	PXN-AS1	-0.218	2.157	1	1	PXN antisense RNA 1	Other	other
11750	NDUFA9P1	-0.219	4.243	0.81177	1	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9, pseudogene 1	Other	other
11751	B9D2	-0.220	4.975	0.80248	1	B9 protein domain 2	Cytoplasm	other
11752	HAUS1P2	-0.221	2.589	0.91318	1	HAUS augmin-like complex, subunit 1 pseudogene 2	Other	other
11753	AIDA	-0.222	3.119	0.84996	1	axin interactor, dorsalization associated	Cytoplasm	other
11754	LXN	-0.222	3.832	0.83735	1	laxin	Cytoplasm	other
11755	RNF5P1	-0.223	4.142	0.80629	1	ring finger protein 5, E3 ubiquitin protein ligase pseudogene 1	Other	other
11756	BPHL	-0.223	3.488	0.9063	1	biphenyl hydrolase-like (serine hydrolase)	Cytoplasm	enzyme
11757	MIR320E	-0.223	1.846	1	1	microRNA 320a	Cytoplasm	microRNA
11758	PSPH	-0.224	3.478	0.85917	1	phosphoserine phosphatase	Cytoplasm	phosphatase
11759	SV2C	-0.225	2.260	1	1	synaptic vesicle glycoprotein 2C	Plasma Membrane	other
11760	AGBL2	-0.226	3.389	0.88979	1	ATP/GTP binding protein-like 2	Cytoplasm	enzyme
11761	FBXL14	-0.227	4.514	0.8144	1	F-box and leucine-rich repeat protein 14	Cytoplasm	enzyme
11762	DYRK18	-0.228	4.009	0.82902	1	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 18	Nucleus	kinase
11763	RAD9A	-0.230	3.894	0.83136	1	RAD9 homolog A (S. pombe)	Nucleus	enzyme
11764	RPL15P2	-0.230	2.250	1	1	ribosomal protein L15 pseudogene 2	Other	other
11765	ATRN	-0.231	3.750	0.86303	1	atractin	Extracellular Space	other
11766	ADAL	-0.231	5.216	0.81809	1	adenosine deaminase-like	Cytoplasm	enzyme
11767	SLC27A3	-0.232	3.973	0.87314	1	solute carrier family 27 (fatty acid transporter), member 3	Cytoplasm	transporter
11768	MAD2L1	-0.232	3.759	0.85847	1	MAD2 mitotic arrest deficient-like 1 (yeast)	Nucleus	other
11769	CDC26	-0.232	2.976	0.86729	1	cell division cycle 26	Other	other
11770	SNAP23P	-0.233	2.314	0.89828	1	synaptosomal-associated protein, 23kDa pseudogene	Other	other
11771	ANP32BP1	-0.233	4.355	0.78421	1	acidic (leucine-rich) nuclear phosphoprotein 32 family, member 8 pseudogene 1	Other	other
11772	EXOSC3P1	-0.233	2.980	0.88765	1	exosome component 3 pseudogene 1	Other	other
11773	ZBTB3	-0.234	2.981	0.88044	1	zinc finger and BTB domain containing 3	Nucleus	other
11774	MVK	-0.234	3.162	0.86511	1	mevalonate kinase	Cytoplasm	kinase
11775	USMGSP1	-0.234	3.563	0.83137	1	USMG5 pseudogene 1	Other	other
11776	GNE	-0.234	4.566	0.80493	1	glucosamine (UDP-N-acetyl)-2-epimerase/N-acetylmannosamine kinase	Cytoplasm	kinase
11777	FCF1	-0.234	4.495	0.78979	1	FCF1 RNA-processing protein	Other	other
11778	PRDX3P1	-0.235	2.729	0.92257	1	peroxiredoxin 3 pseudogene 1	Other	other
11779	MIR2	-0.235	2.442	0.90136	1	interferon induction early response 1, family member 2	Extracellular Space	other
11780	COL6A2	-0.235	4.755	0.82787	1	collagen, type VI, alpha 2	Extracellular Space	other
11781	DUSL	-0.235	3.912	0.8447	1	dihydrolipoic synthase 4-like (S. cerevisiae)	Other	other
11782	EIF4A1P2	-0.235	3.625	0.7916	1	eukaryotic translation initiation factor 4A1 pseudogene 2	Other	other
11783	FBXL13	-0.236	2.832	0.86703	1	F-box and leucine-rich repeat protein 13	Other	enzyme
11784	RPUSD2	-0.236	4.969	0.78844	1	RNA pseudouridylylase synthase domain containing 2	Other	enzyme
11785	LRRC23	-0.236	3.411	0.90391	1	leucine rich repeat containing 23	Plasma Membrane	other
11786	PEX14	-0.237	1.889	1	1	peroxisomal biogenesis factor 14	Cytoplasm	transcription regulator
11787	LILRB1	-0.237	1.837	1	1	leukocyte immunoglobulin-like receptor, subfamily 8 (with TM and ITIM domains), member 1	Plasma Membrane	transmembrane receptor
11788	OLFML2	-0.237	2.354	1	1	olfactomedin 2	Cytoplasm	other
11789	YWHAZP2	-0.239	4.058	0.78243	1	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta pseudogene 2	Other	other
11790	PFAS	-0.239	4.637	0.81043	1	phosphoribosylformylglycinamidine synthase	Cytoplasm	enzyme
11791	SKA2	-0.240	3.832	0.82906	1	spindle and kinetochore associated complex subunit 2	Nucleus	other
11792	SKI3-IT1	-0.240	3.853	0.81333	1	SKI3 intronic transcript 1	Other	other
11793	FBRS1	-0.241	3.904	0.83877	1	fibrosis-like 1	Nucleus	other
11794	CARNS1	-0.245	2.555	0.94023	1	carnosine synthase 1	Other	enzyme
11795	DNAJB2	-0.245	3.685	0.83999	1	DnaJ (Hsp40) homolog, subfamily B, member 2	Nucleus	other
11796	INPPL1	-0.245	4.402	0.82188	1	inositol polyphosphate phosphatase-like 1	Cytoplasm	phosphatase
11797	PPAN	-0.246	2.942	0.87691	1	peter pan homolog (Drosophila)	Nucleus	other
11798	ENTHD2	-0.247	3.799	0.83693	1	ENTH domain containing 2	Other	other
11799	NDUFAF5	-0.247	4.088	0.78754	1	NADH dehydrogenase (ubiquinone) complex 1, assembly factor 5	Cytoplasm	other
11800	SMAD9	-0.248	2.571	0.9134	1	SMAD family member 9	Nucleus	transcription regulator
11801	DERL3	-0.249	1.840	1	1	derlin 3	Cytoplasm	other
11802	DNAJB7	-0.250	1.731	1	1	DnaJ (Hsp40) homolog, subfamily B, member 7	Other	other
11803	SAMD10	-0.250	4.448	0.81753	1	sterile alpha motif domain containing 10	Other	other
11804	GIPC1	-0.250	3.632	0.79792	1	GIPC PDZ domain containing family, member 1	Cytoplasm	other
11805	NDUFB1P1	-0.253	2.413	0.90067	1	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 1 pseudogene 1	Other	other
11806	SEPN1	-0.253	3.309	0.87374	1	selenoprotein N, 1	Cytoplasm	other
11807	GALE	-0.253	4.638	0.78708	1	UDP-galactose-4-epimerase	Cytoplasm	enzyme
11808	SEPHS1P6	-0.255	2.269	1	1	selenophosphate synthetase 1 pseudogene 6	Other	other
11809	ANKRD16	-0.255	4.457	0.80215	1	ankyrin repeat domain 16	Other	other
11810	RPL34P27	-0.257	3.880	0.79543	1	ribosomal protein L34 pseudogene 27	Other	other
11811	RAB15	-0.258	4.372	0.79248	1	RAB15, member RAS oncogene family	Cytoplasm	other
11812	NUMBL	-0.258	2.995	0.8321	1	numb homolog (Drosophila)-like	Cytoplasm	other
11813	NOMO2	-0.259	2.618	0.85353	1	NODAL modulator 1	Plasma Membrane	other
11814	TWSG1	-0.260	4.452	0.81448	1	twisted gastrulation BMP signaling modulator 1	Extracellular Space	other
11815	CARD14	-0.261	2.284	1	1	caspase recruitment domain family, member 14	Cytoplasm	other
11816	PSCA2	-0.261	3.303	0.87493	1	zinc finger with HRAB and SCAN domains 2	Nucleus	transcription regulator
11817	FAM125B	-0.262	3.286	0.88077	1	multivesicular body subunit 128	Cytoplasm	other
11818	INPPE5	-0.262	4.732	0.78858	1	inositol polyphosphate-5-phosphatase, 72 kDa	Cytoplasm	phosphatase
11819	RNF217	-0.263	3.797	0.83271	1	ring finger protein 217	Other	enzyme
11820	RABEP2	-0.263	4.093	0.81561	1	rabaptin, RAB GTPase binding effector protein 2	Cytoplasm	other
11821	ARIH2P1	-0.265	3.395	0.81552	1	ariadne homolog 2 pseudogene 1	Other	other
11822	KIAA0556	-0.265	3.742	0.84759	1	KIAA0556	Extracellular Space	other
11823	EIF2S2P3	-0.265	2.901	0.87179	1	eukaryotic translation initiation factor 2, subunit 2 beta pseudogene 3	Other	other
11824	CBWD5	-0.267	3.543	0.79799	1	COBW domain containing 5	Other	other
11825	C5orf34	-0.267	3.806	0.82719	1	chromosome 5 open reading frame 34	Other	other
11826	CUL7	-0.267	3.779	0.81429	1	cullin 7	Cytoplasm	other
11827	PDHA2	-0.268	2.308	0.88562	1	pyruvate dehydrogenase (lipoamide) alpha 2	Other	enzyme
11828	KIAA1107	-0.269	4.167	0.83736	1	KIAA1107	Other	other
11829	RAB40B	-0.269	2.592	0.92004	1	RAB40B, member RAS oncogene family	Plasma Membrane	enzyme
11830	ZNF563	-0.272	4.092	0.85008	1	zinc finger protein 563	Nucleus	other
11831	YBX1P10	-0.274	2.614	0.82236	1	Y box binding protein 1 pseudogene 10	Other	other
11832	ENG	-0.274	3.562	0.86507	1	endoglin	Plasma Membrane	transmembrane receptor
11833	COX11P1	-0.274	2.980	0.86844	1	COX11 cytochrome c oxidase copper chaperone pseudogene 1	Other	other
11834	CCT4P2	-0.275	3.309	0.80264	1	chaperonin containing TCP1, subunit 4 (delta) pseudogene 2	Other	other
11835	MIRP531P4	-0.276	2.494	0.9144	1	mitochondrial ribosomal protein S31 pseudogene 4	Other	other
11836	KDEL2	-0.277	4.025	0.84304	1	KDEL (Lys-Asp-Glu-Leu) containing 2	Other	other
11837	TK2	-0.277	4.344	0.8278	1	thymidine kinase 2, mitochondrial	Cytoplasm	kinase
11838	ARMCX2	-0.277	4.492	0.82387	1	armadillo repeat containing, X-linked 2	Other	other
11839	API5P2	-0.278	2.832	0.85728	1	apoptosis inhibitor 5 pseudogene 2	Other	other
11840	OBIIP1	-0.278	3.089	0.87478	1	diazepam binding inhibitor (GABA receptor modulator, acyl-CoA binding protein) pseudogene 1	Other	other
11841	MAP3K10	-0.279	1.885	1	1	mitogen-activated protein kinase kinase 10	Cytoplasm	kinase
11842	LMK1	-0.280	2.697	0.8521	1	LM domain kinase 1	Cytoplasm	kinase
11843	SXK3	-0.281	2.892	0.90888	1	sorting nexin 33	Cytoplasm	other
11844	MYO18A	-0.282	3.806	0.85532	1	myosin XVIIIa	Cytoplasm	other
11845	RPP21	-0.283	2.295	0.9028	1	ribonuclease P/MRP 23kDa subunit	Nucleus	enzyme
11846	NKX3-1	-0.286	2.714	0.8667	1	NK3 homeobox 1	Nucleus	transcription regulator
11847	PRR5	-0.287	4.269	0.78497	1	proline rich 5 (renal)	Other	other
11848	MRPL53P1	-0.287	3.223	0.85212	1	mitochondrial ribosomal protein L53 pseudogene 1	Other	other
11849	SDA1P2	-0.288	3.814	0.7837	1	SDA1 domain containing 1 pseudogene 2	Other	other
11850	SENP8	-0.288	2.276	1	1	SUMO/sentrin specific peptidase family member 8	Cytoplasm	peptidase
11851	ADAMP	-0.290	3.322	0.88755	1	ADAM metallopeptidase domain 9	Plasma Membrane	peptidase
11852	C1orf170	-0.290	2.124	0.89167	1	PPARGC1 and ESRR induced regulator, muscle 1	Other	other
11853	ATGAAP1	-0.291	1.883	1	1		Other	other
11854	NDC80	-0.292	3.725	0.81193	1	NDC80 kinetochore complex component	Nucleus	other
11855	MARS2	-0.292	3.542	0.85668	1	methionyl-tRNA synthetase 2, mitochondrial	Cytoplasm	enzyme
11856	STK11P	-0.292	4.798	0.79928	1	serine/threonine kinase 11 interacting protein	Cytoplasm	other
11857	FAM124B	-0.292	4.206	0.83271	1	family with sequence similarity 124B	Other	other
11858	ATPSG2P1	-0.294	3.065	0.82194	1	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit C2 (subunit 9) pseudogene 1	Other	other
11859	PPATP1	-0.294	2.920	0.87111	1	phosphoribosyl pyrophosphate amidotransferase pseudogene 1	Other	other
11860	WDR73	-0.295	4.101	0.80669	1	WD repeat domain 73	Extracellular Space	other
11861	MORN4	-0.296	3.673	0.85903	1	MORN repeat containing 4	Other	other
11862	NUOT8	-0.297	2.320	0.91902	1	nudix (nucleoside diphosphate linked moiety X)-type motif 8	Cytoplasm	other
11863	C19orf52	-0.297	4.096	0.82477	1	chromosome 19 open reading frame 52	Other	other
11864	ANKRD5	-0.297	3.187	0.85367	1	ankyrin repeat and EF-hand domain containing 1	Nucleus	transcription regulator
11865	ATPSF1P6	-0.300	3.381	0.80115	1	ATP synthase, H+ transporting, mitochondrial Fo complex, subunit 81 pseudogene 6	Other	other
11866	NZF6	-0.300	2.863	0.89734	1	nuclear receptor subfamily 2, group F, member 6	Nucleus	ligand-dependent nuclear receptor
11867	YWHAQ6	-0.302	3.472	0.78537	1	YWHAQ pseudogene 6	Other	other
11868	SYVN1	-0.302	3.728	0.78456	1	synovial apoptosis inhibitor 1, synoviolin	Cytoplasm	transporter
11869	HIRIP3	-0.304	4.554	0.81512	1	HIRA interacting protein 3	Nucleus	other
11870	SUGT1P2	-0.304	4.044	0.79416	1	SUGT1 pseudogene 2	Other	other
11871	MAPRE3	-0.306	2.534	0.84269	1	microtubule-associated protein, RP/EB family, member 3	Cytoplasm	enzyme
11872	ACTBP9	-0.306	3.312	0.78844	1	actin, beta pseudogene 9	Other	other
11873	DHX34	-0.309	4.622	0.79192	1	DEAH (Asp-Glu-Ala-His) box polypeptide 34	Other	enzyme
11874	TRAF3IP2-4	-0.310	3.802	0.77714	1	TRAF3IP2 antisense RNA 1	Other	other
11875	ZNF436	-0.312	5.049	0.79879	1	zinc finger protein 436	Nucleus	other
11876	SLC27A5	-0.314	3.491	0.82354	1	solute carrier family 27 (fatty acid transporter), member 5	Cytoplasm	transporter
11877	ZNF93	-0.316	4.227	0.82843	1	zinc finger protein 93	Nucleus	transcription regulator
11878	ARSA	-0.317	4.575	0.78201	1	arylsulfatase A	Cytoplasm	enzyme
11879	SUOX	-0.320	2.527	0.85213	1	sulfite oxidase	Cytoplasm	enzyme

11880	PVRL1	-0.320	2.677	0.8749	1	policiovirus receptor-related 1 (herpesvirus entry mediator C)	Plasma Membrane	other
11881	C15orf37	-0.321	2.054		1	ST20 antisense RNA 1	Other	other
11882	SPIN3	-0.321	2.857	0.85641	1	spindlin family, member 3	Other	other
11883	C11orf48	-0.321	3.231	0.8259	1			
11884	ZNF460	-0.322	2.043		1	zinc finger protein 460	Nucleus	other
11885	LNK1	-0.324	3.231	0.79606	1	ligand of numb-protein X 1, E3 ubiquitin protein ligase	Cytoplasm	enzyme
11886	SLC16A6	-0.325	2.012	0.87748	1	solute carrier family 16, member 6	Plasma Membrane	transporter
11887	MAAP2	-0.327	2.559	0.88753	1	human-binding lectin serine peptidase 2	Extracellular Space	peptidase
11888	FBXW4P1	-0.328	3.843	0.79431	1	F-box and WD repeat domain containing 4 pseudogene 1	Other	enzyme
11889	GSTO2	-0.330	2.830	0.88036	1	glutathione S-transferase omega 2	Cytoplasm	enzyme
11890	GCNT2	-0.330	3.217	0.83776	1	glucosaminyl (N-acetyl) transferase 2, l-branching enzyme (l blood group)	Cytoplasm	enzyme
11891	SNORD100	-0.330	2.311	0.89389	1	small nucleolar RNA, C/D box 100	Other	other
11892	CALM1P1	-0.332	2.208	0.87842	1	calmodulin 1 (phosphorylase kinase, delta) pseudogene 1	Other	other
11893	UHRF2P1	-0.335	2.527	0.82315	1	ubiquitin-like with PHD and ring finger domains 2 pseudogene 1	Other	other
11894	KLHDC7B	-0.336	2.859	0.81673	1	kelch domain containing 7B	Other	other
11895	BEST1	-0.337	2.451	0.85699	1	bestrophin 1	Plasma Membrane	ion channel
11896	NUAK2	-0.337	4.219	0.79329	1	NUAK family, SNF1-like kinase, 2	Other	kinase
11897	MFSO3	-0.338	4.012	0.81186	1	major facilitator superfamily domain containing 3	Other	other
11898	COKN3	-0.338	2.279	0.91189	1	cyclin-dependent kinase inhibitor 3	Cytoplasm	phosphatase
11899	B3GNT7	-0.341	1.927		1	UDP-GlcNAc-6-epimerase beta-1,3-N-acetylglucosaminyltransferase 7	Cytoplasm	enzyme
11900	TBC1D7	-0.342	3.840	0.80968	1	TBC1 domain family, member 7	Cytoplasm	other
11901	HNRNP41P	-0.342	2.224	0.88413	1	heterogeneous nuclear ribonucleoprotein A1 pseudogene 26	Other	other
11902	LINC00652	-0.342	2.024	0.85657	1	long intergenic non-protein coding RNA 652	Other	other
11903	ATP10A	-0.343	3.401	0.8246	1	ATPase, class V, type 10A	Plasma Membrane	transporter
11904	MYL6B	-0.344	3.303	0.79269	1	myosin, light chain 6B, alkali, smooth muscle and non-muscle	Cytoplasm	other
11905	DGUOK-AS	-0.346	2.851	0.82793	1	DGUOK antisense RNA 1	Other	other
11906	PELI3	-0.349	3.519	0.84231	1	pellino E3 ubiquitin protein ligase family member 3	Cytoplasm	enzyme
11907	AKT3-IT1	-0.350	2.446	0.81526	1	AKT3 intronic transcript 1	Other	other
11908	ZCCHC4	-0.351	3.851	0.80666	1	zinc finger, CCHC domain containing 4	Other	enzyme
11909	SIT1	-0.352	3.049	0.8631	1	signaling threshold regulating transmembrane adaptor 1	Plasma Membrane	other
11910	KBTBD11	-0.352	3.865	0.83942	1	kelch repeat and BTB (POZ) domain containing 11	Other	other
11911	ATP1A1OS	-0.353	2.900	0.83037	1	ATP1A1 antisense RNA 1	Other	other
11912	GHRIL	-0.354	2.503	0.92712	1	ghrelin/orlistatin prepropeptide	Extracellular Space	growth factor
11913	MTX1X	-0.354	3.155	0.83207	1	metallothionein 1X	Other	other
11914	AP5B1	-0.354	4.037	0.8085	1	adaptor-related protein complex 5, beta 1 subunit	Cytoplasm	other
11915	GLB1L3	-0.354	2.724	0.82918	1	galactosidase, beta 1-like 3	Other	enzyme
11916	RGPD2	-0.354	2.233	0.88827	1	RANBP2-like and GRIP domain containing 5	Nucleus	other
11917	INPP5A	-0.356	3.397	0.79255	1	inositol polyphosphate-5-phosphatase, 40kDa	Plasma Membrane	phosphatase
11918	EEF1A1P12	-0.356	3.246	0.79771	1	eukaryotic translation elongation factor 1 alpha 1 pseudogene 12	Other	other
11919	ZNF438	-0.358	3.973	0.77689	1	zinc finger protein 438	Nucleus	transcription regulator
11920	RPS15AP16	-0.358	2.763	0.86463	1	ribosomal protein S15a pseudogene 16	Other	other
11921	PEX11A	-0.360	3.334	0.79988	1	peroxisomal biogenesis factor 11 alpha	Cytoplasm	other
11922	GTF2H2	-0.361	3.201	0.77804	1	general transcription factor IIH, polypeptide 2, 44kDa	Other	transcription regulator
11923	BTAF3P5	-0.363	2.690	0.84079	1	basic transcription factor 3 pseudogene 5	Other	other
11924	ANKRD23	-0.365	3.414	0.79415	1	ankyrin repeat domain 23	Nucleus	other
11925	RMXZP5	-0.365	2.552	0.81739	1	RNA binding motif protein, X-linked 2 pseudogene 5	Other	other
11926	TIMM88P2	-0.367	2.437	0.80239	1	translocase of inner mitochondrial membrane 8B pseudogene 2	Other	other
11927	C22orf34	-0.367	3.042	0.8033	1	chromosome 22 open reading frame 34	Other	other
11928	DAP3P1	-0.367	1.804		1	death associated protein 3 pseudogene 1	Other	other
11929	TTC28	-0.368	3.152	0.83134	1	tetratricopeptide repeat domain 28	Cytoplasm	other
11930	NOTCH4	-0.369	2.687	0.89263	1	notch 4	Plasma Membrane	transcription regulator
11931	TMEM201	-0.370	3.066	0.81769	1	transmembrane protein 201	Nucleus	other
11932	GRAP	-0.371	2.150	0.87955	1	GRB2-related adaptor protein	Cytoplasm	other
11933	CSF1R	-0.375	2.796	0.82485	1	colony stimulating factor 1 receptor	Plasma Membrane	kinase
11934	C5orf30	-0.378	3.629	0.78944	1	chromosome 5 open reading frame 30	Cytoplasm	other
11935	NME9	-0.378	3.957	0.78267	1	NME/NM23 family member 9	Cytoplasm	enzyme
11936	ICKK	-0.381	2.317	0.89938	1	IKK motif containing K	Other	other
11937	PHBP3	-0.382	2.329	0.89044	1	prohibitin pseudogene 3	Other	other
11938	NLGN2	-0.384	1.889	0.84891	1	neuroligin 2	Plasma Membrane	other
11939	IFNG	-0.386	5.576	0.79348	1	interferon, gamma	Extracellular Space	cytokine
11940	SUGT1P3	-0.387	1.993	0.86694	1	SUGT1 pseudogene 3	Other	other
11941	BTBD8	-0.388	2.646	0.81417	1	BTB (POZ) domain containing 8	Nucleus	other
11942	HMGB1P8	-0.389	2.194	0.88167	1	high mobility group box 1 pseudogene 8	Other	other
11943	SMC1B	-0.390	2.936	0.811	1	structural maintenance of chromosomes 1B	Nucleus	transporter
11944	ABCC6	-0.394	2.473	0.82529	1	ATP-binding cassette, sub-family C (CFTR/MRP), member 6	Plasma Membrane	transporter
11945	SNORA73B	-0.395	2.550	0.85897	1	small nucleolar RNA, H/ACA box 73B	Other	other
11946	PRPS1P2	-0.396	2.426	0.81179	1	phosphoribosyl pyrophosphate synthetase 1 pseudogene 2	Other	other
11947	RPS27P	-0.396	1.887	0.85144	1	ribosomal protein S2 pseudogene 7	Other	other
11948	HSPB1P2	-0.396	1.854	0.82554	1	heat shock 27kDa protein 1 pseudogene 2	Other	other
11949	CHDC3	-0.397	2.628	0.89465	1	enoyl CoA hydratase domain containing 3	Other	enzyme
11950	MRPS24	-0.401	3.202	0.82331	1	mitochondrial ribosomal protein S24	Cytoplasm	other
11951	PVR	-0.402	3.738	0.80056	1	policiovirus receptor	Plasma Membrane	other
11952	ZBTB20-AS	-0.403	2.048	0.86193	1		Other	other
11953	TRAJ14	-0.404	2.402	0.83855	1	T cell receptor alpha joining 14	Other	other
11954	RAB3D	-0.404	3.153	0.79965	1	RAB3D, member RAS oncogene family	Cytoplasm	enzyme
11955	DUOX1	-0.405	2.393	0.82259	1	dual oxidase 1	Plasma Membrane	enzyme
11956	SMARCE1P	-0.416	2.288	0.79224	1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1 pseudogene 2	Other	other
11957	NEK11	-0.418	3.498	0.79171	1	NIMA-related kinase 11	Nucleus	kinase
11958	KDM1B	-0.418	3.115	0.78546	1	lysine (K)-specific demethylase 1B	Nucleus	other
11959	COX5B3	-0.420	1.844	0.85029	1	cytochrome c oxidase subunit Vb pseudogene 3	Other	other
11960	ZNF70	-0.421	2.880	0.85204	1	zinc finger protein 70	Nucleus	transcription regulator
11961	PLCD2	-0.426	3.434	0.78688	1	phosphatidylinositol-specific phospholipase C, X domain containing 2	Other	enzyme
11962	PHBP11	-0.429	1.733	0.80425	1	prohibitin pseudogene 11	Other	other
11963	HPSE	-0.430	3.067	0.78378	1	heparanase	Plasma Membrane	enzyme
11964	RPL3P3	-0.431	1.983	0.85165	1	ribosomal protein L3 pseudogene 3	Other	other
11965	JAKMIP3	-0.433	2.074	0.89286	1	Janus kinase and microtubule interacting protein 3	Other	other
11966	KCNIP4	-0.433	2.369	0.8461	1		Other	other
11967	FAM206BP	-0.434	2.046	0.873	1	family with sequence similarity 206, member B, pseudogene	Other	other
11968	MCF2L-AS1	-0.437	1.961	0.88864	1	MCF2L antisense RNA 1	Other	other
11969	PCNAP3	-0.439	2.453	0.79856	1	proliferating cell nuclear antigen pseudogene 3	Other	other
11970	RPL21P5	-0.440	1.708		1	ribosomal protein L21 pseudogene 5	Other	other
11971	TMEM88	-0.441	1.568		1	transmembrane protein 88	Other	other
11972	P2RY1	-0.441	3.723	0.78575	1	purinergic receptor P2Y, G-protein coupled, 1	Plasma Membrane	G-protein coupled receptor
11973	CCDC122	-0.442	2.049	0.88952	1	coiled-coil domain containing 122	Other	other
11974	TCF7L2	-0.444	2.718	0.79969	1	transcription factor 7-like 2 (T-cell specific, HMG-box)	Nucleus	transcription regulator
11975	GRINA	-0.444	2.466	0.8023	1	glutamate receptor, ionotropic, N-methyl D-aspartate-associated protein 1 [glutamate binding]	Other	ion channel
11976	FASN	-0.445	3.156	0.78536	1	fatty acid synthase	Cytoplasm	enzyme
11977	RPL21P28	-0.450	2.028	0.84871	1	ribosomal protein L21 pseudogene 28	Other	other
11978	EEF1A1P24	-0.450	2.028	0.84868	1	eukaryotic translation elongation factor 1 alpha 1 pseudogene 24	Other	other
11979	CAMSAP2	-0.451	3.296	0.79338	1	calmodulin regulated spectrin-associated protein family, member 2	Other	other
11980	GREM2	-0.452	3.466	0.78723	1	gremlin 2, DAN family BMP antagonist	Extracellular Space	other
11981	ZNF90	-0.453	2.742	0.8661	1	zinc finger protein 90	Nucleus	transcription regulator
11982	PPP1R14Bf	-0.457	1.566		1	protein phosphatase 1, regulatory (inhibitor) subunit 14B pseudogene 2	Other	other
11983	HXBIPP1	-0.458	2.007	0.84584	1	adaptor-related protein complex 5, zeta 1 subunit	Nucleus	other
11984	ARHGEF11	-0.462	2.322	0.84468	1	Rho guanine nucleotide exchange factor (GEF) 11	Cytoplasm	other
11985	UBE2L4	-0.464	1.873	0.84123	1	ubiquitin-conjugating enzyme E2L 4 (pseudogene)	Other	other
11986	GYCE1L	-0.466	2.271	0.78759	1	synaptosomal complex central element protein 1-like	Other	other
11987	GUCY1B3	-0.470	3.118	0.80099	1	guanylate cyclase 1, soluble, beta 3	Cytoplasm	enzyme
11988	PRDX3P2	-0.481	2.109	0.86241	1	peroxiredoxin 3 pseudogene 2	Other	other
11989	PDLM7	-0.487	2.000	0.84525	1	PDZ and LIM domain 7 (enigma)	Cytoplasm	other
11990	GSG2	-0.496	3.017	0.78037	1	germ cell associated 2 (haspin)	Nucleus	kinase
11991	KRTCAP3	-0.499	2.259	0.82059	1	keratinocyte associated protein 3	Other	other
11992	CALB1	-0.506	2.299	0.84794	1	calbindin 1, 28kDa	Cytoplasm	other
11993	GLT8D2	-0.513	1.904	0.8429	1	glycosyltransferase 8 domain containing 2	Other	enzyme
11994	RNA5SP88	-0.517	1.780	0.81841	1	RNA, 5S ribosomal pseudogene 88	Other	other
11995	SV2A	-0.525	2.747	0.80346	1	synaptic vesicle glycoprotein 2A	Cytoplasm	transporter
11996	CLNK	-0.527	2.771	0.82511	1	cytokine-dependent hematopoietic cell linker	Cytoplasm	other
11997	RHOBTB2	-0.537	2.183	0.80185	1	Rho-related BTB domain containing 2	Other	enzyme
11998	FAM185BP	-0.538	2.249	0.80751	1	family with sequence similarity 185, member A pseudogene	Other	other
11999	PKN3	-0.551	2.413	0.80653	1	protein kinase N3	Nucleus	kinase
12000	GBP7	-0.554	1.855	0.83603	1	guanylate binding protein 7	Cytoplasm	enzyme
12001	LSM3P3	-0.568	2.265	0.79399	1	LSM3 pseudogene 3	Other	other
12002	AK3P2	-0.573	1.814	0.84651	1	adenylate kinase 3 pseudogene 2	Other	other
12003	PROCA1	-0.581	2.368	0.85892	1	protein interacting with cyclin A1	Other	other
12004	TANC1	-0.592	2.127	0.80237	1	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Plasma Membrane	other
12005	SLC9B1	-0.605	1.979	0.86604	1	solute carrier family 9, subfamily B (NHA1, cation proton antiporter 1), member 1	Plasma Membrane	other
12006	F8	-0.610	2.128	0.82468	1	coagulation factor VIII, procoagulant component	Extracellular Space	peptidase
12007	SSTR2	-0.613	2.148	0.79043	1	somatostatin receptor 2	Plasma Membrane	G-protein coupled receptor
12008	CCR6	-0.637	1.758	0.81885	1	chemokine (C-C motif) receptor 6	Plasma Membrane	G-protein coupled receptor
12009	RNA5SP15f	-0.656	1.866	0.83434	1	RNA, 5S ribosomal pseudogene 159	Other	other
12010	TMEM14E	-0.661	1.992	0.86887	1	transmembrane protein 14E	Other	other
12011	SORD	-0.672	2.159	0.78939	1	sorbitol dehydrogenase	Cytoplasm	enzyme

12012	ASIC3	-0,690	1,617	0,78323	1	acid sensing (proton gated) ion channel 3	Plasma Membrane	ion channel
12013	TMEM217	-0,690	1,617	0,78325	1	transmembrane protein 217	Other	other
12014	10-sept	-0,716	1,885	0,84873	1			
12015	NCR3LG1	-0,810	1,600	0,78187	1	natural killer cell cytotoxicity receptor 3 ligand 1	Plasma Membrane	other
12016	KLHL23	-0,816	1,712	0,81427	1	kelch-like family member 23	Extracellular Space	other
12017	REV3L-IT1	-0,863	1,747	0,80287	1			
12018	MIR181A2	-0,933	1,501		1	MIR181A2 host gene	Other	other
12019	KIAA1522	-1,254	1,378	0,77995	1	KIAA1522	Other	other