

Supplemental Materials

Transcriptional and Functional Diversity of Human Macrophage Repolarization

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Supplementary Methods

Donors

Human subjects provided informed written consent for blood donation at the University of Washington Medical Center as approved by the Institutional Review Boards of the University of Washington and Seattle Children's Research Institute. Blood from 6 CF patients (4 males, 2 females) ages 27-32 (28.50 ± 1.97 years) and from 6 healthy volunteers (4 males, 2 females) ages 25-31 ($26.33.0 \pm 3.32$ years) was drawn into EDTA-coated tubes. All CF patients were non-Hispanic Caucasian, and homozygous for F508del. Exclusion criteria included active exacerbation, current corticosteroid or NSAID use, and CF-related diabetes.

Monocyte Isolation and Culture

Peripheral blood mononuclear cells (PBMC) were isolated from whole blood using Lymphoprep (StemCell Technologies, Vancouver, BC, Canada). PBMC were enriched for monocytes using the Dynabeads Untouched Human Monocytes Kit (Life Technologies, Carlsbad, CA), per manufacturer instructions. Monocytes were plated at a density of 1.1×10^3 cells/mm² and differentiated for 7 days in RPMI 1640 supplemented with 100 ng/ml human M-CSF (PeproTech, Rocky Hill, NJ) to generate monocyte-derived macrophages (MDMs).

Macrophage Polarization Protocol

After 7 days of differentiation, non-adherent cells were removed, and remaining MDMs were considered to be in a non-polarized, M0 state. M1 polarization was achieved by treating M0 MDM with culture media containing *E. Coli* O111:B4 LPS (100 ng/ml; Sigma-Aldrich, St. Louis, MO) for 24 h, at which LPS media was aspirated, and MDMs were rinsed three times with PBS. M1 MDMs were then cultured in MDM media alone (control) or supplemented with IL-4 (10 ng/ml), IL-10 (50 ng/ml), methylprednisolone (100 nM), azithromycin (30 μ m), or apoptotic PMNs (5:1) for 24 h to repolarize MDMs towards an M2 state.

Microarray Experiments

Total RNA from macrophages was isolated and purified using the RNeasy Micro Kit (Qiagen, Valencia, CA). RNA quality analysis, preparation, array hybridization, and scanning were performed at the Genomics and Microarray Core Facility at the University of Texas Southwestern Medical Center using the Illumina HumanHT-12 v4 BeadChips (Illumina, Inc., San Diego, CA). Total RNA from macrophages was isolated and purified using the RNeasy Micro Kit (Qiagen, Valencia, CA). All RNA samples were of high quality (RIN>7) as assessed by an Agilent 2100 Bioanalyzer (Agilent Technologies, Santa Clara, CA). Raw probe intensities for all 72 samples (6 conditions for 6 CF and 6 non-CF subjects), underwent variance stabilization and quantile normalization using the Bioconductor package *lumi*¹. Detailed microarray information and raw data have been deposited at Gene Expression Omnibus (<http://www.ncbi.nlm.nih.gov/geo>, GSE100521).

Differential Gene Expression Analysis

For each M2 stimulus, differential gene expression between M1 (baseline) vs. M2 polarized cells was determined using a Bayesian implementation of the paired *t*-test on log₂-transformed probe intensities². Multiple hypothesis testing was addressed using Benjamini-Hochberg's false discovery rate (FDR) analysis with an FDR < 0.01 designating significant differential gene expression. Principal Component Analysis (PCA), a procedure for producing low-dimensional projections of high dimensional data, was also performed on differentially expressed genes based on transcriptional variability across all samples.

Pathway Analysis

To identify MDM transcriptional programs activated in response to M2-promoting stimuli, we applied Gene Set Enrichment Analysis (GSEA) using 7,220 well-curated gene sets comprised of canonical biological pathways (Hallmark, KEGG, Reactome, Biocarta, etc) and Gene Ontology (GO) annotations³. An FDR < 0.05 was used to determine statistical significance based on 1,000 random gene set permutations. Network visualization of GSEA results was

performed using Enrichment Map⁴, a plug-in application within the open source bioinformatics software platform Cytoscape⁵.

qPCR

qPCR was performed as described⁶ using FAM-labeled TaqMan probes (Life Technologies) for *Il6*, *Tnf*, *Il12b*, *Cxcl1*, *Cxcl2*, *Cxcl8*, *Il1b*, and *Hprt*. The $\Delta\Delta C_t$ was the average ΔC_t for a given treatment minus the average ΔC_t of the indicated normalization sample. The data are expressed as relative quantification (RQ) or fold change, which is calculated as $2^{-\Delta\Delta C_t}$.

Neutrophil Isolation and Induction of Apoptosis

Neutrophils (PMN) were isolated from whole blood by Dextran (Pharmacosmos A/S, Holbaek, Denmark) sedimentation followed by density gradient centrifugation as described in supplemental materials. Briefly, equal volumes blood and sterile Dextran (3% w/v in 0.9% NaCl) were mixed and incubated for 20 min to allow RBC sedimentation. The supernatant was collected and centrifuged for 10 min at 500 x g at 4°C. The cell pellet was resuspended in 0.9% NaCl, then underlayered with Ficoll-Paque Plus (GE Healthcare Bio-Sciences AB, Uppsala, Sweden) and centrifuged for 40 min at 400 x g at 25°C. After removal of the supernatant and mononuclear cell layer, RBCs were lysed by resuspension of the cell pellet in H₂O for 30 sec. Isotonicity was immediately restored by addition of equal volume 1.8% NaCl. The suspension was centrifuged for 5 min at 280 x g at 4°C and the pellet of neutrophils was resuspended in PBS without Ca⁺⁺ and Mg⁺⁺. PMN purity was confirmed by cyto-spin and staining with Diff-Quik (Siemens Healthcare Diagnostics Inc., Tarrytown, NY). PMN to be used in efferocytosis assays were labeled using the CellTrace CFSE Cell Proliferation Kit (Life Technologies) according to manufacturer's instructions. PMN were diluted to a concentration of 5x10⁶ cells/ml in MDM media and rotated at 25°C for 24-48 h in 15-ml tubes covered with Breathe-Easy film (USA Scientific, Inc., Ocala, FL) for sterile, age-induced apoptosis. To determine the extent of apoptosis, cells were stained with Annexin V-FITC and propidium iodide (BioVision Inc.,

Milpitas, CA) per manufacturer's protocol. Cells were analyzed by flow cytometry immediately after staining to measure the percentage of apoptotic PMN (Annexin V⁺ PI⁻).

Efferocytosis Assay

After 24 h treatment with stimuli for M2 repolarization or media change, MDM culture media was replaced with fresh MDM media containing CFSE-labeled apoptotic neutrophils at a ratio of 5:1 PMN:MDM. After 2 h incubation, the media was aspirated and MDMs were gently washed with PBS to remove uningested PMN. MDMs were detached by incubation in PBS with 1mM EDTA for 5-10 min. MDMs were stained with CD14-PE (eBioscience) and fixed for next-day analysis. The proportion of MDMs that ingested or bound at least one PMN (CD14⁺CFSE⁺) was determined by analysis on a BD FACSCanto RUO flow cytometer (BD Biosciences, San Jose, CA). Flow cytometry data analysis was performed using Flowjo software (Tree Star Inc., Ashland, OR). MFI represents the mean fluorescent intensity of the CFSE signal within the CD14⁺CFSE⁺ population.

Image Flow Cytometry

Select samples from the efferocytosis assay were further analyzed on an Amnis ImageStreamX Mark II Imaging Flow Cytometer (EMD Millipore, Billerica, MA). After data acquisition on the standard flow cytometer, remaining cells from select samples were transferred to low retention 1.5 ml microcentrifuge tubes and centrifuged at 400 x g for 5 min at 4°C. Supernatants were aspirated and cell pellets were suspended in 40 µl of 10 µg/ml DAPI (Molecular Probes NL5995050) in PBS. Single color controls were suspended in FACS buffer alone (PBS + 1% FBS + 2mM EDTA). This analysis captured images for each cell in several channels: brightfield, PE (CD14), FITC (CFSE), and DAPI (nuclei).

Animal Experiments

Stat6^{-/-} mice on a BALB/c background, BALB/c mice, *Il10r*^{-/-} mice on a C57Bl/6 background and C57Bl/6 mice were obtained from Jackson Laboratory (Bar Harbor, ME) and matched for age and gender. Mice were maintained under specific pathogen free conditions.

Animal procedures were approved by the Institutional Animal Care and Use Committees at the University of Washington.

Murine Bone Marrow-Derived Macrophages (BMDM)

Bone marrow was collected from femurs and tibias of C57Bl/6, BALB/c, *Stat6*^{-/-}, and *Il10*^{r/-} mice as described⁷. On day 7, cells were re-plated and received stimulation with *E. coli* LPS (10 ng/ml for 24 h) or control media. After 24 h, cells were washed and recombinant murine IL-4, IL-10, (10 ng/ml; Life Technologies) or control media were added to cultures for 24 h. At this time, cells were washed and received re-challenge with LPS or control media. At 4-6 h, cells were collected and processed for mRNA.

Statistical Analysis

Statistical significance was determined using Student's t-test (two-sided) after passing normality assumption (Shapiro-Wilk normality test), or Mann Whitney test for non-normally distributed data using Prism software (GraphPad Software, Inc, La Jolla, CA). For multiple comparisons, statistical analysis was performed by 2-way ANOVA with Bonferroni post-test. Data are presented as mean ± SEM, with $p < 0.05$ considered statistically significant.

Transcriptional Analysis of Macrophage Polarization in Allergen-induced Asthma

We obtained publicly available RNA-sequencing data (<http://www.ncbi.nlm.nih.gov/geo>, GSE65039) on alveolar macrophages harvested at baseline and following bronchial provocation with allergen from a subject with mild asthma on no asthma-controlling medications. This carefully designed protocol has been previously published⁸. In brief, the subject underwent screening for inclusion and exclusion criteria that included skin prick testing to house dust mite, short ragweed, and cockroach. To obtain the prechallenge bronchial sample, bronchoalveolar lavage (BAL) was performed at a subsegmental bronchus before allergen challenge. Subsegmental bronchoprovocation with an identified allergen was performed in a different subsegment. 48 hours after the initial bronchoscopy. Alveolar macrophages were purified from BALF using Percall gradient method and adhesion purification. RNA was harvested using

PureLink RNA micro Scale kit (Life Technologies) and 1 μ g of total RNA was used for the construction of sequencing libraries. Next-generation sequencing data were generated using an Illumina HiSeq2000 system. Transcripts with less than 3 counts across conditions were filtered, and exploratory statistical analysis on the remaining 23,490 transcripts based on expression differences was performed using DESeq2 program in R environment⁹. We next created 10 gene sets corresponding to differentially up- and down-regulated genes (FDR < 0.01, absolute fold-change > 1.5) from the five M2-polarizing stimuli based on our microarray experiments on non-CF subjects: “Induced in response to IL-4”, “Induced in response to IL-10”, “Induced in response to AZM”, “Induced in response to MP”, “Induced in response to PMN”, “Suppressed in response to L-4”, “Suppressed in response to IL-10”, “Suppressed in response to AZM”, “Suppressed in response to MP”, “Suppressed in response to PMN” (see supplemental Tables). We combined these “M2” gene sets with 1370 canonical biological pathways (Hallmark, KEGG, Reactome, Biocarta, etc) and performed GSEA on statistically rank-ordered gene list from pre vs. post allergen-exposed alveolar macrophages. An FDR < 0.05 was used to determine statistical significance based on 1,000 random gene set permutations.

References

1. Du P, Kibbe WA, Lin SM. lumi: a pipeline for processing Illumina microarray. *Bioinformatics* 2008; 24:1547-8.
2. Kayala MA, Baldi P. Cyber-T web server: differential analysis of high-throughput data. *Nucleic Acids Res* 2012; 40:W553-9.
3. Subramanian A, Tamayo P, Mootha VK, Mukherjee S, Ebert BL, Gillette MA, et al. Gene set enrichment analysis: a knowledge-based approach for interpreting genome-wide expression profiles. *Proc Natl Acad Sci U S A* 2005; 102:15545-50.
4. Isserlin R, Merico D, Voisin V, Bader GD. Enrichment Map - a Cytoscape app to visualize and explore OMICs pathway enrichment results. *F1000Res* 2014; 3:141.
5. Cline MS, Smoot M, Cerami E, Kuchinsky A, Landys N, Workman C, et al. Integration of biological networks and gene expression data using Cytoscape. *Nat Protoc* 2007; 2:2366-82.
6. Gharib SA, Johnston LK, Huizar I, Birkland TP, Hanson J, Wang Y, et al. MMP28 promotes macrophage polarization toward M2 cells and augments pulmonary fibrosis. *J Leukoc Biol* 2014; 95:9-18.
7. Manicone AM, Birkland TP, Lin M, Betsuyaku T, van Rooijen N, Lohi J, et al. Epilysin (MMP-28) restrains early macrophage recruitment in *Pseudomonas aeruginosa* pneumonia. *J Immunol* 2009; 182:3866-76.
8. Park GY, Lee YG, Berdyshev E, Nyenhuis S, Du J, Fu P, et al. Autotaxin production of lysophosphatidic acid mediates allergic asthmatic inflammation. *Am J Respir Crit Care Med* 2013; 188:928-40.
9. Love MI, Huber W, Anders S. Moderated estimation of fold change and dispersion for RNA-seq data with DESeq2. *Genome Biol* 2014; 15:550.

Supplemental Figure Legends

Supplemental Figure E1. Consequences of M2 repolarization on LPS re-challenge is

independent of CFTR. Monocyte-derived macrophages from 6 non-CF donors (grey box) and 6 CF donors (white box) were stimulated with LPS followed by M2 stimuli or control medium and then rechallenged with LPS. Each donor's samples were normalized to HPRT and expressed as fold change over their respective non-LPS treated samples. (A-D) For *Il1b*, *Il6*, *Cxcl1*, and *Cxcl2*, IL-4 exposure decreased the ability of the macrophage to produce pro-inflammatory cytokines, and IL-10 reversed LPS tolerance independent of genotype. (Mean \pm SEM; n=6/group). *p value <0.05.

Supplemental Figure E2. M2 stimuli have varying ability to promote macrophage

efferocytosis and are independent of functional CFTR. (A) Fold change in percentage of macrophages positive for ingested apoptotic PMNs (PMN) relative to their respective media-only controls. (B) Fold change in CFSE MFI in macrophages relative to their respective media-only controls. *p value <0.05 M2 stimuli vs. genotype-matched non-CF media control. #p value <0.05 AZM=azithromycin, MP=methylprednisolone, PMN=apoptotic PMNs, MFI=Mean fluorescence intensity. (Mean \pm SEM; n=6/group).

Supplemental Figure E3. Heatmap depiction of common and divergent interferon

signaling genes across M2 stimuli. For each M2 stimulus of non-CF MDMs, we extracted "leading edge" gene members of enriched interferon-associated pathways from our gene set enrichment analysis (GSEA). "Leading edge" refers to those genes that are the primary drivers of the statistical enrichment of a given gene set in GSEA. Red boxes denote membership of a given gene in interferon-associated pathway, and gray boxes depict non-membership. Note that very few genes are common to all polarizing stimuli, with substantial gene-specific variability

across M2 conditions. Please also refer to Supplemental Table E4 for complete list and membership profiles.

Supplemental Figure E4. Differential enrichment of lipid-associated transcriptional

programs in response to apoptotic PMNs. (A) Integrated network and gene set analysis

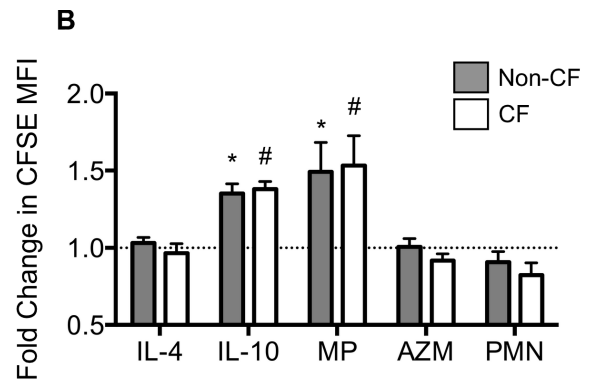
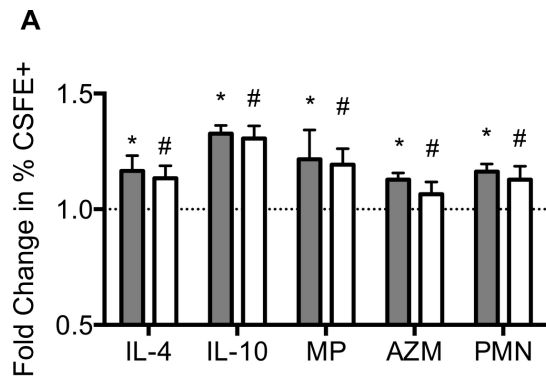
revealed that stimulation of macrophages with aPMNs activated cholesterol transport pathways

while suppressing processes involved in cholesterol biosynthesis. (B) A heatmap depicting the

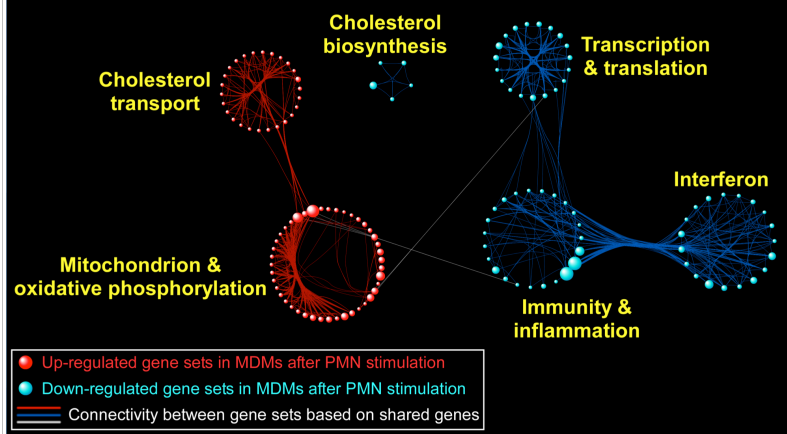
distinctive expression pattern between select genes mapping to lipid efflux versus those

associated with fat metabolism. These genes were “leading edge” members derived from GSEA

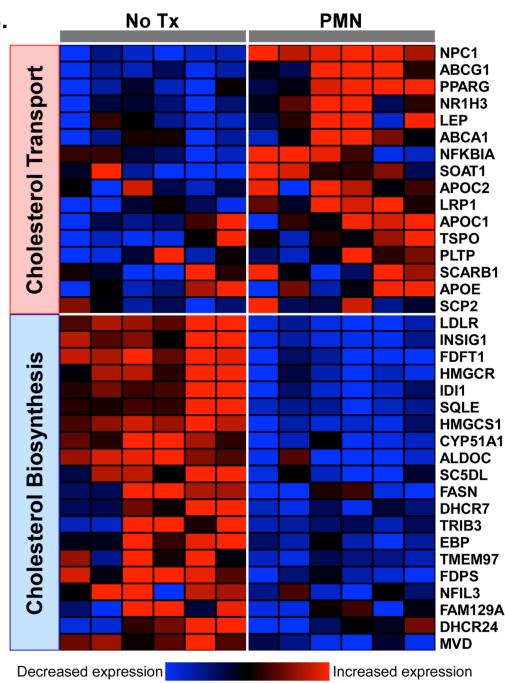
of non-CF MDMs treated with aPMNs.



A. Pathway enrichment map of macrophages in response to PMNs



B.



Supplemental Table E1. List of differentially expressed genes in MDMs of non-CF subjects exposed to 5 different M2 stimuli. FDR: false discovery rate.

IL10			
ProbeID	Gene Symbol	FDR	Log ₂ [IL10/NoTx]
ILMN_1746888	PCOLCE2	9.90E-07	2.11
ILMN_2092118	FPR1	9.90E-07	1.88
ILMN_1687301	VCAN	2.06E-06	1.42
ILMN_1720998	CA12	3.79E-06	1.39
ILMN_3272741	LOC100130520	3.79E-06	1.20
ILMN_2176063	FCGR1A	1.07E-05	1.54
ILMN_1812091	FAM20A	1.71E-05	1.04
ILMN_1791726	TUBB3	1.71E-05	1.22
ILMN_1748538	ALDH1A2	1.89E-05	0.97
ILMN_2129505	CYBASC3	1.95E-05	-1.17
ILMN_1781001	SOCS3	2.15E-05	0.97
ILMN_1751228	C20orf46	2.15E-05	1.01
ILMN_1764030	CCL23	2.15E-05	1.13
ILMN_2239754	IFIT3	2.20E-05	-1.03
ILMN_1706498	DSE	2.31E-05	1.22
ILMN_2064725	METTL7B	2.31E-05	1.32
ILMN_1747355	CCL3L1	2.31E-05	1.12
ILMN_1667966	C1orf24	2.31E-05	1.23
ILMN_1682993	NKG7	2.31E-05	1.53
ILMN_2261600	FCGR1B	2.57E-05	1.57
ILMN_3238196	CYTH4	2.58E-05	1.12
ILMN_1654389	LOC728744	2.71E-05	1.36
ILMN_1691364	STAT1	2.78E-05	-0.90
ILMN_1671509	CCL3	2.78E-05	1.15
ILMN_1798971	FZD5	2.78E-05	0.65
ILMN_1690105	STAT1	2.78E-05	-0.99
ILMN_1695316	SLC39A8	2.78E-05	1.04
ILMN_2393296	GK	2.78E-05	0.96
ILMN_1751904	EDNRB	2.78E-05	0.83
ILMN_2122103	ETS1	2.85E-05	0.56
ILMN_2196550	C13orf18	2.85E-05	1.02
ILMN_2218856	CCL3L1	3.08E-05	1.00
ILMN_1722158	CASP5	3.08E-05	0.66
ILMN_2105573	CCL3L3	3.08E-05	1.18
ILMN_1815023	PIM1	3.09E-05	1.64
ILMN_1676980	MTSS1	3.16E-05	0.74
ILMN_2145116	TMEM173	3.26E-05	1.03
ILMN_3247506	FCGR1C	3.52E-05	1.23
ILMN_1655549	SIGLEC10	3.64E-05	1.11

ILMN_1701789	IFIT3	3.80E-05	-1.14
ILMN_2289593	FXYD2	3.85E-05	-0.83
ILMN_1733270	CD163	4.21E-05	1.82
ILMN_1686109	CCL23	4.25E-05	1.11
ILMN_1711361	ZNF319	4.31E-05	0.74
ILMN_1664761	TMEM138	4.62E-05	-1.11
ILMN_1755873	EMR3	5.01E-05	-0.35
ILMN_1692295	MYO1G	5.16E-05	0.84
ILMN_1775257	PROK2	5.81E-05	0.78
ILMN_2073289	MTSS1	7.52E-05	1.05
ILMN_1810725	FAM129A	7.52E-05	1.05
ILMN_3248591	LTBP2	7.52E-05	0.60
ILMN_1768812	FXYD6	7.52E-05	-0.45
ILMN_3182768	LOC100130520	7.52E-05	0.45
ILMN_1665865	IGFBP4	7.52E-05	0.59
ILMN_1660624	LIMK2	7.52E-05	0.36
ILMN_1742981	TUBA1A	7.52E-05	1.40
ILMN_1764228	DAB2	7.52E-05	0.76
ILMN_1671928	PROS1	7.52E-05	0.80
ILMN_2348487	EMR3	7.52E-05	-1.12
ILMN_1729801	S100A8	7.58E-05	0.66
ILMN_1722622	CD163	7.73E-05	1.68
ILMN_1768284	P2RY8	8.06E-05	-0.67
ILMN_1725471	GK	1.05E-04	0.91
ILMN_1777325	STAT1	1.05E-04	-0.82
ILMN_1664543	IFIT3	1.06E-04	-0.48
ILMN_1750974	S100A9	1.06E-04	0.98
ILMN_1771385	GBP4	1.06E-04	-0.64
ILMN_1791576	CHSY1	1.06E-04	0.96
ILMN_3294741	LOC6444496	1.15E-04	0.85
ILMN_1775708	SLC2A3	1.17E-04	0.90
ILMN_2391051	FCGR1B	1.24E-04	1.19
ILMN_1773388	C13orf18	1.28E-04	0.95
ILMN_1784661	TMEM2	1.29E-04	0.92
ILMN_1703142	42065	1.48E-04	1.06
ILMN_1723912	IFI44L	1.51E-04	-1.04
ILMN_2044453	LPAR5	1.57E-04	0.54
ILMN_1739428	IFIT2	1.60E-04	-0.93
ILMN_1691127	VTN	1.62E-04	0.77
ILMN_2379599	CD163	1.62E-04	1.64
ILMN_2326273	CHI3L2	1.62E-04	0.99
ILMN_1660086	MYH11	1.64E-04	1.10
ILMN_1694757	CTSL1	1.66E-04	0.99
ILMN_1711611	LOC653907	1.69E-04	0.51
ILMN_1747347	C17orf60	1.69E-04	0.82
ILMN_1767809	DNAJC25-	1.76E-04	0.55

GNG10			
ILMN_1804735	CBS	1.77E-04	0.92
ILMN_1664094	P2RY13	1.79E-04	0.53
ILMN_1766657	STOM	1.81E-04	1.04
ILMN_1767900	LGI2	1.81E-04	0.47
ILMN_1735930	KLF2	1.81E-04	0.98
ILMN_1682099	TNFAIP8L3	1.84E-04	0.50
ILMN_1814305	SAMD9	1.84E-04	-0.69
ILMN_1683792	LAP3	1.86E-04	0.78
ILMN_1779886	TBC1D14	1.94E-04	0.71
ILMN_1653711	FZD2	2.12E-04	0.82
ILMN_2353633	EMR2	2.12E-04	0.81
ILMN_1765557	OLFML2B	2.12E-04	1.04
ILMN_1652185	IL4R	2.24E-04	0.62
ILMN_1758673	SLC44A1	2.24E-04	-0.74
ILMN_2075643	ANKRD29	2.24E-04	0.58
ILMN_2371911	MUC1	2.25E-04	0.42
ILMN_2121816	GPR137B	2.42E-04	0.80
ILMN_1805827	PPA1	2.42E-04	0.96
ILMN_1757074	GNG10	2.51E-04	1.00
ILMN_1793598	APIP	2.52E-04	0.89
ILMN_2148819	TUBA1A	2.59E-04	0.73
ILMN_2342066	METRNL	2.66E-04	0.55
ILMN_1729749	HERC5	2.76E-04	-0.91
ILMN_1791511	TMEM176A	2.83E-04	0.79
ILMN_2373791	ENPP2	2.83E-04	1.74
ILMN_1654411	CCL18	2.83E-04	1.11
ILMN_1801610	METRNL	2.83E-04	0.66
ILMN_1674811	OASL	3.01E-04	-0.53
ILMN_2112988	NCF1C	3.01E-04	-0.88
ILMN_1679620	LOC728519	3.01E-04	0.70
ILMN_1759818	SORL1	3.05E-04	-0.52
ILMN_2323933	LAIR2	3.05E-04	0.78
ILMN_1700268	QPRT	3.12E-04	-0.92
ILMN_1749521	SLC35E3	3.13E-04	-0.72
ILMN_2400030	PTPN2	3.21E-04	0.82
ILMN_1780799	ENPP2	3.25E-04	1.74
ILMN_1798204	IL21R	3.30E-04	0.73
ILMN_1657871	RSAD2	3.40E-04	-0.87
ILMN_1656940	ABLIM3	3.40E-04	0.30
ILMN_1653026	PLAC8	3.54E-04	-0.60
ILMN_1801584	CXCR4	3.71E-04	-0.67
ILMN_1657435	MT1M	3.72E-04	0.86
ILMN_1718046	ARNT2	3.97E-04	0.54
ILMN_1759513	RND3	3.99E-04	0.72
ILMN_1755643	MGAT4A	3.99E-04	0.77

ILMN_1694548	ANXA3	3.99E-04	0.45
ILMN_1752008	OTUD1	4.01E-04	0.56
ILMN_1806015	LOC391045	4.01E-04	0.46
ILMN_3244550	LOC642413	4.01E-04	0.62
ILMN_1653496	GLUL	4.01E-04	0.53
ILMN_1814200	BMP2K	4.15E-04	0.54
ILMN_1711608	SSBP2	4.28E-04	0.56
ILMN_2234697	BEX1	4.28E-04	-1.31
ILMN_1660364	PSCD4	4.35E-04	0.87
ILMN_1683774	IL2RA	4.35E-04	0.55
ILMN_3260618	LOC100128086	4.35E-04	0.74
ILMN_1748206	C20orf160	4.56E-04	0.22
ILMN_1801254	LOC648984	4.57E-04	0.90
ILMN_1835017		4.57E-04	0.61
ILMN_1800602	GCA	4.57E-04	0.90
ILMN_2382942	CA12	4.75E-04	0.57
ILMN_1770768	SLAMF1	4.75E-04	0.99
ILMN_1687960	LIMK2	4.92E-04	0.26
ILMN_3242586	RHOU	4.99E-04	0.82
ILMN_1740015	CD14	5.10E-04	0.69
ILMN_2093343	PLAC8	5.10E-04	-0.75
ILMN_2337789	42065	5.18E-04	0.67
ILMN_1807491	LAIR2	5.92E-04	0.73
ILMN_3239965	IDO1	6.25E-04	-0.88
ILMN_1718303	PVRL2	6.26E-04	0.55
ILMN_2060115	SORL1	6.26E-04	-0.51
ILMN_1731503	MARCO	6.28E-04	1.30
ILMN_1674183	MT1JP	6.29E-04	0.43
ILMN_1697309	NCF1	6.33E-04	-1.03
ILMN_1756862	APOL3	6.42E-04	-0.81
ILMN_1741096	FDFT1	6.56E-04	-0.53
ILMN_1760062	IFI44	6.56E-04	-0.66
ILMN_1724789	CD59	6.56E-04	0.48
ILMN_1685625	UCP2	6.56E-04	0.96
ILMN_1799467	SAMD9L	6.56E-04	-0.54
ILMN_1653871	NAMPT	6.56E-04	1.14
ILMN_1790689	CRISPLD2	6.56E-04	-0.79
ILMN_1716859	TDO2	6.68E-04	1.54
ILMN_1670490	PDPN	6.69E-04	0.84
ILMN_2383707	ALDH1A2	6.69E-04	0.35
ILMN_3200140	LOC645638	6.70E-04	-0.96
ILMN_3295494	LOC389386	6.70E-04	0.74
ILMN_1713759	UBE2J1	6.70E-04	0.87
ILMN_1668865	SLC2A14	6.70E-04	0.41
ILMN_1723141	OTUD1	6.72E-04	0.67
ILMN_1696419	STOM	6.72E-04	1.05

ILMN_1657442	ADARB1	6.73E-04	0.19
ILMN_1669592	42065	6.78E-04	0.92
ILMN_1695829	TTYH2	7.37E-04	-0.44
ILMN_1684440	PXN	7.49E-04	0.38
ILMN_1713807	MAN1C1	7.49E-04	0.57
ILMN_1707695	IFIT1	7.50E-04	-0.84
ILMN_1710514	BCL3	7.51E-04	0.77
ILMN_2150258	ZFP36L2	7.51E-04	-0.62
ILMN_1715508	NNMT	7.51E-04	0.25
ILMN_1693771	ASPH	7.51E-04	0.61
ILMN_1667460	SULF2	7.51E-04	-0.32
ILMN_1773963	GNA15	7.51E-04	0.62
ILMN_2212763	ICAM3	7.51E-04	-0.64
ILMN_1710495	PAPLN	7.73E-04	-0.58
ILMN_1808811	SBNO2	7.95E-04	0.47
ILMN_1666444	RBMS1	8.18E-04	0.74
ILMN_1695290	FERMT2	8.30E-04	0.27
ILMN_2376108	PSMB9	8.37E-04	-0.55
ILMN_2166457	HPGD	8.37E-04	0.73
ILMN_1727466	KCNMB4	8.37E-04	0.48
ILMN_1768469	TCN1	8.37E-04	0.32
ILMN_1719695	NFKBIZ	8.63E-04	1.13
ILMN_2317730	ELMO2	8.69E-04	0.60
ILMN_1688775	METRNL	8.70E-04	0.78
ILMN_2086077	JUNB	8.83E-04	0.44
ILMN_1677827	TLR7	8.91E-04	0.45
ILMN_1652003	GNG10	9.25E-04	0.85
ILMN_1737394	LMNA	9.32E-04	0.56
ILMN_1800078	LMO2	9.41E-04	0.64
ILMN_2312194	CYB5A	9.55E-04	-0.73
ILMN_1799848	ANKRD22	9.62E-04	0.45
ILMN_2106725	NCF1B	9.65E-04	-0.44
ILMN_1727689	TNFAIP2	9.80E-04	-0.43
ILMN_1703946	ADORA2B	9.80E-04	-0.50
ILMN_1690566	RASSF4	9.86E-04	0.61
ILMN_1753111	NAMPT	9.89E-04	1.02
ILMN_1693630	C16orf7	1.04E-03	0.37
ILMN_1774604	PNKD	1.06E-03	0.72
ILMN_1776115	GSDMA	1.07E-03	0.35
ILMN_1669409	VSIG4	1.08E-03	0.80
ILMN_3180196	LOC100128086	1.10E-03	0.58
ILMN_1684368	C5orf62	1.19E-03	0.53
ILMN_1880983		1.23E-03	0.49
ILMN_2235851	LINCR	1.23E-03	-0.55
ILMN_2320888	CXCR4	1.23E-03	-0.69
ILMN_2289849	FCGR2A	1.23E-03	0.61

ILMN_1669881	TSPAN13	1.23E-03	0.51
ILMN_2086470	PDGFRA	1.23E-03	0.51
ILMN_1712708	TRIM47	1.23E-03	0.44
ILMN_1758418	TNFSF13B	1.23E-03	-0.66
ILMN_1740418	CYP27B1	1.23E-03	0.97
ILMN_1745397	OAS3	1.24E-03	-0.67
ILMN_1713505	NPC1	1.27E-03	1.00
ILMN_1732538	LBP	1.32E-03	0.54
ILMN_2299045	BMP2K	1.32E-03	0.80
ILMN_1742601	CR1	1.32E-03	0.36
ILMN_1751851	CECR1	1.32E-03	-0.63
ILMN_2160476	CCL22	1.36E-03	-0.83
ILMN_1751975	ALOX15B	1.36E-03	-0.41
ILMN_1743620	RARRES1	1.36E-03	0.68
ILMN_1723260	ETV5	1.36E-03	0.53
ILMN_2094942	42064	1.36E-03	0.63
ILMN_1784602	CDKN1A	1.36E-03	0.47
ILMN_2358540	RBMS1	1.36E-03	0.83
ILMN_1810420	DYSF	1.40E-03	0.48
ILMN_1712545	S100A3	1.40E-03	0.27
ILMN_1739222	ETV5	1.42E-03	0.74
ILMN_1705769	IL7	1.42E-03	0.47
ILMN_1760247	CD70	1.46E-03	-0.70
ILMN_1790014	METRNL	1.46E-03	0.52
ILMN_1770911	NRSN2	1.46E-03	0.30
ILMN_1715131	CCR7	1.46E-03	-0.87
ILMN_1686573	DEFB1	1.46E-03	-0.45
ILMN_1656310	INDO	1.46E-03	-0.79
ILMN_2231928	MX2	1.48E-03	-0.54
ILMN_1689160	DPEP2	1.50E-03	-0.53
ILMN_2405324	IL28RA	1.52E-03	-0.67
ILMN_1809467	VAMP5	1.55E-03	0.52
ILMN_1749006	RCSD1	1.60E-03	-0.50
ILMN_3187324	CNRIP1	1.61E-03	0.31
ILMN_2328666	CD83	1.62E-03	-0.57
ILMN_1788017	HSH2D	1.64E-03	-0.24
ILMN_2146761	FABP5	1.72E-03	0.57
ILMN_3251341	TUBA1C	1.72E-03	0.59
ILMN_1733288	C1RL	1.72E-03	0.46
ILMN_1735764	HTR2B	1.76E-03	-0.60
ILMN_3194508	ASAP2	1.82E-03	0.41
ILMN_2367753	ATP2B4	1.87E-03	0.57
ILMN_1699854	GRIN3B	1.88E-03	0.23
ILMN_1674046	C10orf128	1.90E-03	-0.39
ILMN_2352934	ASPH	1.91E-03	0.37
ILMN_3236428	TMEM170B	1.95E-03	-0.45

ILMN_2313730	RHOC	1.95E-03	0.54
ILMN_1687533	SEMA4D	1.96E-03	-0.47
ILMN_1811624	THADA	1.97E-03	-0.41
ILMN_1783621	CMPK2	2.01E-03	-0.40
ILMN_1716105	NLRP12	2.03E-03	0.54
ILMN_1835092		2.04E-03	-0.42
ILMN_2110908	MYC	2.05E-03	0.43
ILMN_1788416	FAM108C1	2.05E-03	0.72
ILMN_1794803	NDP	2.05E-03	0.89
ILMN_2296036	PTPN2	2.05E-03	0.53
ILMN_2393149	ALOX15B	2.05E-03	-0.46
ILMN_1663119	DSC2	2.05E-03	0.47
ILMN_1765701	LOC399942	2.05E-03	0.74
ILMN_2144088	FDFT1	2.07E-03	-0.58
ILMN_1775380	SMOX	2.09E-03	0.75
ILMN_1764769	VWA5A	2.09E-03	0.56
ILMN_1686454	TIFA	2.09E-03	0.39
ILMN_1764723	SH3PXD2B	2.09E-03	0.56
ILMN_1802708	BTN3A1	2.10E-03	-0.44
ILMN_1756992	MUC1	2.11E-03	0.81
ILMN_2382500	MS4A14	2.13E-03	-0.32
ILMN_2067852	SLC30A1	2.17E-03	0.50
ILMN_1733811	JUP	2.24E-03	-0.50
ILMN_1771599	PLOD2	2.24E-03	0.44
ILMN_1784749	GAS6	2.25E-03	0.52
ILMN_2246882	SP140	2.25E-03	-0.38
ILMN_2338452	SERPINA1	2.25E-03	0.75
ILMN_1715068	AQP9	2.27E-03	0.45
ILMN_2337336	PVRL2	2.28E-03	0.39
ILMN_1800261	TUBA1B	2.28E-03	0.53
ILMN_1797875	ALOX5AP	2.32E-03	-0.94
ILMN_1679797	ADARB1	2.35E-03	0.60
ILMN_1652680	LOC652616	2.36E-03	-0.68
ILMN_1779558	GAS6	2.36E-03	0.60
ILMN_1762861	HLA-F	2.40E-03	-0.66
ILMN_1672589	SEMA4B	2.41E-03	0.50
ILMN_1759097	MLLT11	2.41E-03	0.43
ILMN_2233539	SLC39A8	2.42E-03	0.95
ILMN_1780861	LOC653506	2.42E-03	0.71
ILMN_1674063	OAS2	2.42E-03	-0.78
ILMN_1804277	SPRED1	2.44E-03	0.62
ILMN_1743933	TSHZ3	2.45E-03	0.55
ILMN_1682781	TEAD2	2.47E-03	0.51
ILMN_2331231	TNFRSF6B	2.54E-03	0.15
ILMN_1741171	TM2D2	2.55E-03	0.58
ILMN_1692742	DENND3	2.57E-03	0.31

ILMN_1758963	NADK	2.57E-03	-0.45
ILMN_1771688	RAB7B	2.57E-03	-0.74
ILMN_1674789	LOC651738	2.60E-03	0.40
ILMN_1691341	IL7R	2.60E-03	0.75
ILMN_2087656	SLCO2B1	2.62E-03	0.57
ILMN_2404154	SERPINA1	2.62E-03	0.75
ILMN_2296037	PTPN2	2.62E-03	0.20
ILMN_1781045	FXVD2	2.62E-03	-0.35
ILMN_1800540	CD55	2.66E-03	0.54
ILMN_2342579	IL7R	2.72E-03	0.68
ILMN_1654612	ZNF589	2.72E-03	-0.40
ILMN_2404625	LAT	2.73E-03	-0.50
ILMN_2216815	MAP7	2.76E-03	0.32
ILMN_1765994	ZBP1	2.77E-03	-0.34
ILMN_1716276	CCL4L2	2.77E-03	0.49
ILMN_1740466	FAM46A	2.79E-03	-0.70
ILMN_1726624	YPEL4	2.79E-03	-0.44
ILMN_2215640	TUBA3D	2.79E-03	0.44
ILMN_1748915	S100A12	2.79E-03	0.43
ILMN_1668063	FCN1	2.82E-03	-0.69
ILMN_1802780	M160	2.82E-03	0.50
ILMN_1767349	ABCB4	2.90E-03	0.30
ILMN_2214678	MXD1	2.95E-03	0.54
ILMN_2169261	TNNI2	2.97E-03	-0.41
ILMN_1680579	ATP2B4	2.97E-03	0.45
ILMN_3248773	C7orf40	2.97E-03	0.43
ILMN_2401878	DUSP10	2.99E-03	-0.47
ILMN_1728742	C5orf4	3.01E-03	-0.40
ILMN_2078599	ACP5	3.03E-03	-0.94
ILMN_2329914	SPRY1	3.09E-03	0.78
ILMN_2331121	FCGR2C	3.10E-03	0.15
ILMN_1652464	TUBA3E	3.18E-03	0.15
ILMN_1694539	MAP3K6	3.19E-03	0.44
ILMN_2232157	SLMO1	3.21E-03	0.35
ILMN_1800898	ARG2	3.21E-03	0.43
ILMN_1694177	PCNA	3.21E-03	-0.57
ILMN_1691731	PARP14	3.21E-03	-0.51
ILMN_1697817	PANX1	3.30E-03	0.37
ILMN_1800091	RARRES1	3.31E-03	0.66
ILMN_3249748	LDHA	3.33E-03	0.51
ILMN_2410038	FAM111A	3.42E-03	-0.51
ILMN_3227023	SNHG7	3.43E-03	-0.42
ILMN_1680618	MYC	3.43E-03	0.67
ILMN_1685005	TNFRSF1A	3.43E-03	0.60
ILMN_1768577	PCSK6	3.43E-03	0.33
ILMN_1711223	LOC649362	3.43E-03	0.60

ILMN_2415421	SLC30A2	3.46E-03	0.17
ILMN_1658247	OAS1	3.46E-03	-0.63
ILMN_1707591	TNIP3	3.63E-03	0.33
ILMN_2388112	CR1	3.64E-03	0.33
ILMN_1723004	CD72	3.64E-03	0.44
ILMN_1731048	TLR1	3.69E-03	0.45
ILMN_1666932	FCGR2A	3.69E-03	0.68
ILMN_2398926	C17orf58	3.76E-03	0.51
ILMN_2367258	SMOX	3.76E-03	0.60
ILMN_2186137	RRAD	3.76E-03	0.23
ILMN_1654639	HERC6	3.78E-03	-0.41
ILMN_1801767	ABHD3	3.79E-03	0.58
ILMN_1706523	FCGR2A	3.83E-03	0.43
ILMN_1667711	HRASLS3	3.85E-03	-0.36
ILMN_1812278	LY9	3.85E-03	-0.45
ILMN_1714383	TPD52L1	3.85E-03	0.32
ILMN_3223317	LOC728666	3.85E-03	0.36
ILMN_1663618	STAT3	3.85E-03	0.52
ILMN_1811616	EEPD1	3.85E-03	-0.30
ILMN_1704972	TRIM5	3.85E-03	-0.46
ILMN_1738116	TMEM119	3.90E-03	-0.57
ILMN_2124221	CLLU1OS	4.01E-03	-0.55
ILMN_2085012	TMEM176B	4.01E-03	0.37
ILMN_1742167	TUBA1C	4.05E-03	0.82
ILMN_2188722	GLS	4.35E-03	0.53
ILMN_1662896	BRWD2	4.52E-03	0.43
ILMN_1781626	C1S	4.52E-03	0.48
ILMN_1653498	IGSF6	4.75E-03	-0.71
ILMN_1898124		4.75E-03	0.39
ILMN_1699331	IFIT1	4.79E-03	-0.26
ILMN_2132599	ANKRD22	4.81E-03	0.39
ILMN_1664176	FBLN5	4.91E-03	0.31
ILMN_3240187	TMEM111	4.91E-03	-0.48
ILMN_2186061	PFKFB3	4.92E-03	0.62
ILMN_2367239	RCAN1	4.99E-03	0.83
ILMN_1710962	TMEM97	5.11E-03	-0.34
ILMN_3235853	S1PR1	5.21E-03	0.39
ILMN_1712719	MAP7	5.28E-03	0.40
ILMN_3232894	CNRIP1	5.33E-03	0.45
ILMN_1763386	BID	5.37E-03	-0.44
ILMN_1673676	SNX5	5.40E-03	0.39
ILMN_1752965	GREM1	5.43E-03	0.58
ILMN_2152257	SSTR2	5.45E-03	0.40
ILMN_1784884	LILRB3	5.45E-03	0.58
ILMN_1709634	CMBL	5.48E-03	-0.46
ILMN_2182148	C2orf32	5.50E-03	0.39

ILMN_1666364	COQ10A	5.52E-03	-0.31
ILMN_1682675	TWF1	5.54E-03	0.25
ILMN_1736806	PAG1	5.56E-03	0.51
ILMN_2381257	DSC2	5.62E-03	0.30
ILMN_1752199	LHPP	5.66E-03	-0.53
ILMN_1811148	BMP2K	5.67E-03	0.41
ILMN_2094396	LRRC8C	5.68E-03	0.33
ILMN_1770085	BTG2	5.73E-03	0.48
ILMN_1719543	MAF	5.74E-03	0.55
ILMN_1661537	LEPROT	5.80E-03	0.52
ILMN_1712112	RCAN1	5.86E-03	0.75
ILMN_2345142	SULF2	5.86E-03	-0.27
ILMN_2128428	DAB2	5.86E-03	0.61
ILMN_2048636	ME2	5.86E-03	0.68
ILMN_1660544	ARRDC4	5.94E-03	0.56
ILMN_1694780	GCHFR	5.96E-03	-0.65
ILMN_1684629	C20orf26	6.01E-03	0.19
ILMN_2204876	FLVCR2	6.01E-03	0.70
ILMN_1665877	RNF149	6.06E-03	0.42
ILMN_1786823	ICAM2	6.08E-03	-0.50
ILMN_1731714	CREB5	6.10E-03	0.30
ILMN_1718621	TSPAN32	6.16E-03	-0.69
ILMN_1669550	MAD2L2	6.21E-03	0.44
ILMN_1815319	CMTM4	6.26E-03	0.39
ILMN_2373831	BTN3A3	6.32E-03	-0.34
ILMN_1736729	OAS2	6.37E-03	-0.35
ILMN_3210741	LOC642956	6.52E-03	0.54
ILMN_2323944	FAM110A	6.59E-03	-0.43
ILMN_1668345	OAF	6.66E-03	-0.41
ILMN_2054019	ISG15	6.70E-03	-0.71
ILMN_1718977	GADD45B	6.77E-03	0.28
ILMN_1683250	LOC440731	6.78E-03	0.25
ILMN_1736939	UGCG	6.78E-03	0.51
ILMN_1910120	LOC730092	6.92E-03	-0.38
ILMN_1721106	C14orf159	6.94E-03	-0.39
ILMN_1671337	SLC2A5	6.94E-03	0.46
ILMN_2172091	TDO2	6.96E-03	0.32
ILMN_1799106	MOSC1	6.96E-03	-0.40
ILMN_1782015	FCRLB	7.01E-03	0.39
ILMN_2388547	EPSTI1	7.09E-03	-0.52
ILMN_1768553	LOC283050	7.20E-03	-0.46
ILMN_3215715	LOC389386	7.20E-03	0.45
ILMN_2114568	GBP5	7.25E-03	-0.49
ILMN_1702534	CD244	7.25E-03	-0.16
ILMN_1736863	TMEM140	7.25E-03	-0.50
ILMN_1708537	RBPJ	7.35E-03	0.50

ILMN_2284744	HNMT	7.44E-03	0.38
ILMN_1782305	NR4A2	7.55E-03	-0.33
ILMN_1654560	TLR6	7.56E-03	0.42
ILMN_1768020	HAUS8	7.59E-03	-0.20
ILMN_1735014	KLF6	7.59E-03	0.49
ILMN_2320964	ADAR	7.59E-03	-0.45
ILMN_1786429	P2RY5	7.59E-03	-0.40
ILMN_2389810	ATP11C	7.60E-03	0.39
ILMN_1792497	HRB	7.61E-03	0.31
ILMN_3209232	LOC644496	7.65E-03	0.48
ILMN_1690921	STAT2	7.70E-03	-0.59
ILMN_1819494		7.70E-03	0.22
ILMN_3244457	EHBP1L1	7.72E-03	0.48
ILMN_1797950	EXTL2	7.72E-03	-0.31
ILMN_1752755	VWF	7.75E-03	-0.49
ILMN_1739942	FAM117B	7.76E-03	-0.30
ILMN_1671791	PCK2	7.76E-03	0.71
ILMN_1709772	SNX5	7.86E-03	0.48
ILMN_1726189	MS4A14	7.87E-03	-0.47
ILMN_1796074	C18orf56	7.98E-03	-0.19
ILMN_1677441	C20orf123	8.02E-03	0.47
ILMN_3235832	LOC728835	8.12E-03	0.35
ILMN_1808919	HPS4	8.13E-03	-0.31
ILMN_1652357	PDHX	8.13E-03	0.56
ILMN_1723486	HK2	8.13E-03	-0.48
ILMN_1656837	RBP1	8.13E-03	-0.47
ILMN_1750409	RAB9A	8.13E-03	-0.52
ILMN_3243366	C2orf55	8.17E-03	0.30
ILMN_2336280	QKI	8.18E-03	0.35
ILMN_1827736		8.18E-03	-0.37
ILMN_1680344	MYOM1	8.19E-03	-0.26
ILMN_2256050	SERPINA1	8.19E-03	0.19
ILMN_3256478	LOC100129034	8.26E-03	0.49
ILMN_1726720	NUSAP1	8.31E-03	-0.33
ILMN_2223941	FBLN5	8.45E-03	0.41
ILMN_1813704	KIAA1199	8.52E-03	1.39
ILMN_1659913	ISG20	8.68E-03	-0.64
ILMN_1661755	FAM129B	8.96E-03	0.65
ILMN_1704369	LIMA1	9.12E-03	0.50
ILMN_2398572	FXVD2	9.16E-03	-0.43
ILMN_1803256	STOX2	9.22E-03	-0.40
ILMN_1784630	KBTBD11	9.22E-03	0.23
ILMN_2128293	APIP	9.29E-03	0.55
ILMN_1688580	CAMP	9.32E-03	-0.70
ILMN_1702447	IGF2BP2	9.32E-03	0.34
ILMN_1676528	BTN3A2	9.36E-03	-0.41

ILMN_1741957	RABEPK	9.36E-03	0.51
ILMN_2248970	OAS2	9.36E-03	-0.29
ILMN_1784985	PRRT3	9.36E-03	-0.26
ILMN_2402600	GLIS3	9.36E-03	0.21
ILMN_2193980	ABCB6	9.36E-03	-0.32
ILMN_1784532	COL22A1	9.36E-03	0.59
ILMN_1714167	CYB5A	9.36E-03	-0.61
ILMN_1660021	M6PRBP1	9.39E-03	0.46
ILMN_2367671	LIMK2	9.43E-03	0.19
ILMN_1675483	ANKMY1	9.45E-03	-0.29
ILMN_2262044	PARP10	9.46E-03	-0.54
ILMN_1726222	FLOT2	9.49E-03	0.43
ILMN_1755658	ABI3	9.56E-03	-0.37
ILMN_1807106	LDHA	9.66E-03	0.75
ILMN_1761199	SLCO2B1	9.66E-03	0.55
ILMN_1782788	CSDA	9.66E-03	0.53
ILMN_1802615	CDK6	9.66E-03	0.38
ILMN_1807529	PADI4	9.66E-03	-0.18
ILMN_1726245	TGFBR2	9.76E-03	0.43
ILMN_1715024	LSS	9.82E-03	-0.36
ILMN_1798249	AK3L1	9.82E-03	0.25
ILMN_1707748	PIM3	9.82E-03	0.41
ILMN_1680805	IL28RA	9.82E-03	-0.32
ILMN_1675656	PPFIBP2	9.82E-03	-0.57
ILMN_2352121	NT5C3	9.87E-03	-0.63
ILMN_1727606	C12orf59	9.87E-03	0.28
ILMN_1695590	ADRB2	9.87E-03	0.63
ILMN_3235964	HSPA7	9.90E-03	0.32
ILMN_1679093	ZNF581	9.95E-03	-0.40
ILMN_1692123	ELOVL3	9.95E-03	-0.16
ILMN_2048507	KLF3	9.95E-03	0.18
ILMN_2365465	XBP1	9.95E-03	0.81
ILMN_2227248	SLAMF9	9.96E-03	-0.77
ILMN_1843198		9.96E-03	0.57

IL4

ProbeID	Gene Symbol	FDR	Log ₂ [IL4/NoTx]
ILMN_1721901	CTNNAL1	2.10E-11	3.26
ILMN_2136446	CTNNAL1	2.10E-11	2.95
ILMN_1756701	DHRS11	2.10E-11	2.79
ILMN_1784756	ACOT7	1.10E-10	1.92
ILMN_1676372	CD209	1.10E-10	2.76
ILMN_1792885	CTSC	1.26E-10	2.26
ILMN_2404688	NUPR1	1.57E-10	-1.78

ILMN_1783593	CCL13	2.17E-10	4.41
ILMN_2160476	CCL22	3.37E-10	2.48
ILMN_1810560	P8	4.34E-10	-1.64
ILMN_1678939	VNN2	4.34E-10	-2.09
ILMN_3247139	C17orf96	4.34E-10	1.81
ILMN_1679267	TGM2	4.34E-10	1.43
ILMN_1682312	CYBB	4.34E-10	-1.99
ILMN_1705750	TGM2	4.34E-10	2.76
ILMN_1724708	RAB33A	4.34E-10	2.29
ILMN_3245659	ERI1	4.34E-10	1.79
ILMN_1665455	DCUN1D3	4.35E-10	1.82
ILMN_1758864	VNN2	4.35E-10	-1.90
ILMN_2332250	ACOT7	4.35E-10	2.01
ILMN_1729801	S100A8	4.39E-10	-2.27
ILMN_1763207	BATF3	1.35E-09	1.41
ILMN_1738207	CISH	1.61E-09	1.27
ILMN_1681601	SUCNR1	1.89E-09	1.75
ILMN_1676563	HTRA1	2.68E-09	-1.43
ILMN_1738116	TMEM119	2.98E-09	-1.37
ILMN_1784749	GAS6	2.98E-09	1.28
ILMN_1912287		3.03E-09	1.68
ILMN_1764030	CCL23	3.25E-09	2.07
ILMN_3244114	DHRS11	3.43E-09	2.01
ILMN_3201937	LOC645381	3.43E-09	1.65
ILMN_1779558	GAS6	3.56E-09	1.36
ILMN_2242463	CTSC	4.07E-09	1.44
ILMN_1774733	SOCS1	4.12E-09	1.76
ILMN_1761968	PPP1R14A	4.12E-09	2.25
ILMN_2092118	FPR1	4.20E-09	-1.54
ILMN_1785345	GPR84	4.20E-09	-1.22
ILMN_1671486	HOMER2	4.29E-09	2.29
ILMN_1800739	SPINT2	4.29E-09	2.43
ILMN_1686109	CCL23	4.29E-09	1.87
ILMN_3307757	C17orf87	4.36E-09	1.85
ILMN_1682761	C17orf87	4.36E-09	1.93
ILMN_1740015	CD14	4.37E-09	-1.79
ILMN_1757186	GIMAP1	5.32E-09	-1.34
ILMN_1690342	LTA4H	6.54E-09	-1.35
ILMN_1671969	UGP2	6.54E-09	1.26
ILMN_1759023	WFS1	6.60E-09	1.63
ILMN_1712985	C17orf58	7.12E-09	2.40
ILMN_1689734	IL1RN	7.26E-09	2.19
ILMN_1809639	TMEM26	7.54E-09	1.16
ILMN_1710186	CCL17	8.21E-09	3.79
ILMN_1666049	NUP214	1.02E-08	-1.20
ILMN_2186061	PFKFB3	1.20E-08	-1.49

ILMN_1696347	CTSC	1.20E-08	1.35
ILMN_1911721		1.22E-08	1.46
ILMN_1760180	MID2	1.22E-08	1.01
ILMN_1797236	TGM2	1.26E-08	1.13
ILMN_2359945	CES1	1.35E-08	-1.12
ILMN_1654210	CD1C	1.46E-08	0.86
ILMN_2403237	CHN2	1.48E-08	1.18
ILMN_1774874	IL1RN	1.51E-08	2.12
ILMN_2348487	EMR3	2.31E-08	-1.19
ILMN_1751572	TLE1	2.34E-08	1.27
ILMN_1698732	PALLD	2.34E-08	2.44
ILMN_2391051	FCGR1B	2.44E-08	-1.04
ILMN_2339835	PTGS1	2.48E-08	1.18
ILMN_1701173	KCNK6	2.49E-08	1.14
ILMN_1750974	S100A9	2.57E-08	-1.26
ILMN_1695246	KLHDC8B	2.71E-08	-1.05
ILMN_1694780	GCHFR	3.71E-08	-1.07
ILMN_2205963	C10orf54	4.02E-08	-1.19
ILMN_2415303	CLEC10A	4.02E-08	2.54
ILMN_1663640	MAOA	4.25E-08	2.49
ILMN_1747744	LHFPL2	4.28E-08	-1.09
ILMN_2335754	CD1E	4.40E-08	1.12
ILMN_1709204	CLEC4A	4.82E-08	1.49
ILMN_1713124	AKR1C3	5.00E-08	-1.39
ILMN_2054297	PTGS2	5.06E-08	-0.83
ILMN_1790689	CRISPLD2	5.06E-08	-1.41
ILMN_1763638	BCAR3	5.10E-08	0.89
ILMN_1913678		5.10E-08	-0.98
ILMN_1709348	ALDH1A1	5.59E-08	-1.40
ILMN_1702447	IGF2BP2	5.79E-08	0.95
ILMN_2042595	PCM1	6.42E-08	0.98
ILMN_1757072	LOC642489	6.94E-08	1.17
ILMN_2202915	FAR2	7.00E-08	1.74
ILMN_1810628	KIAA0367	7.04E-08	-0.98
ILMN_2101278	RGS18	7.06E-08	-1.06
ILMN_1784602	CDKN1A	7.08E-08	1.01
ILMN_1690487	PCM1	7.16E-08	1.00
ILMN_1731292	CA5A	7.24E-08	0.82
ILMN_1712532	CARD9	7.24E-08	1.23
ILMN_2382648	MID2	7.41E-08	1.07
ILMN_1733535	ZNF366	7.41E-08	1.09
ILMN_1735764	HTR2B	7.69E-08	-1.23
ILMN_2367239	RCAN1	8.06E-08	1.23
ILMN_1689836	C5AR1	8.15E-08	-1.19
ILMN_1667050	PRPS1	8.49E-08	1.36
ILMN_1811114	SDS	9.56E-08	-1.20

ILMN_1785252	SLC26A6	9.64E-08	1.04
ILMN_1678961	FRMD4A	9.65E-08	1.08
ILMN_1713679	MREG	9.85E-08	0.91
ILMN_1679217	FAM110B	9.87E-08	0.74
ILMN_1657435	MT1M	1.04E-07	-1.20
ILMN_1780465	CLEC5A	1.05E-07	-1.25
ILMN_2261600	FCGR1B	1.05E-07	-1.28
ILMN_2176063	FCGR1A	1.05E-07	-1.23
ILMN_2326509	CASP1	1.05E-07	-1.02
ILMN_1704369	LIMA1	1.05E-07	1.16
ILMN_2112988	NCF1C	1.05E-07	-1.20
ILMN_2401878	DUSP10	1.05E-07	-1.00
ILMN_1747305	GIMAP8	1.07E-07	-1.52
ILMN_1758315	SLC9A9	1.07E-07	-0.92
ILMN_2216918	SHPK	1.08E-07	1.01
ILMN_1731745	NINJ2	1.12E-07	-1.12
ILMN_1712112	RCAN1	1.18E-07	1.27
ILMN_1764754	RAMP1	1.18E-07	1.50
ILMN_1705047	TLR8	1.19E-07	-0.95
ILMN_1778240	GFOD1	1.21E-07	0.85
ILMN_1740265	ACOT7	1.21E-07	2.07
ILMN_1664828	APOBEC3H	1.29E-07	-0.85
ILMN_2364384	PPARG	1.30E-07	1.03
ILMN_1793859	ALDH2	1.33E-07	-1.01
ILMN_2136089	MTE	1.33E-07	-1.17
ILMN_1699071	C21orf7	1.36E-07	-1.40
ILMN_1671509	CCL3	1.40E-07	1.24
ILMN_1805737	PFKP	1.44E-07	1.38
ILMN_1700515	C17orf58	1.51E-07	2.42
ILMN_2129505	CYBASC3	1.51E-07	-1.03
ILMN_1659601	CCL26	1.54E-07	2.66
ILMN_2184373	IL8	1.56E-07	-1.30
ILMN_1654411	CCL18	1.64E-07	1.76
ILMN_2398926	C17orf58	1.64E-07	2.32
ILMN_2148668	RCBTB2	1.71E-07	-0.87
ILMN_1676042	ALOX15	1.75E-07	1.39
ILMN_1699489	TUBB6	1.79E-07	0.96
ILMN_1693009	FGL2	1.79E-07	1.48
ILMN_2326512	CASP1	1.80E-07	-1.05
ILMN_1657892	TLR8	1.84E-07	-1.20
ILMN_1751034	ITPRIPL2	1.84E-07	1.10
ILMN_1671116	C3orf21	1.93E-07	1.04
ILMN_1796349	SMPDL3A	1.93E-07	-1.00
ILMN_1729749	HERC5	1.93E-07	-1.03
ILMN_1782015	FCRLB	1.99E-07	1.01
ILMN_1666733	IL8	2.00E-07	-1.67

ILMN_1742332	KCTD12	2.11E-07	-1.09
ILMN_2346479	HOMER2	2.11E-07	1.37
ILMN_2105573	CCL3L3	2.15E-07	1.14
ILMN_3236428	TMEM170B	2.17E-07	-0.73
ILMN_1661755	FAM129B	2.30E-07	1.05
ILMN_1730628	RNASE2	2.30E-07	-0.87
ILMN_1781386	WIPI1	2.31E-07	-0.87
ILMN_1741957	RABEPK	2.36E-07	1.01
ILMN_3240222	PRAGMIN	2.38E-07	1.00
ILMN_1770768	SLAMF1	2.44E-07	0.75
ILMN_1730454	FOLR3	2.44E-07	-0.89
ILMN_2352380	TRPM2	2.45E-07	-0.70
ILMN_2333367	FKBP1A	2.51E-07	1.19
ILMN_1669831	C6orf192	2.51E-07	-1.01
ILMN_1676159	MST4	2.52E-07	0.83
ILMN_2291954	SLA	2.60E-07	0.84
ILMN_1685170	ANXA11	2.61E-07	0.93
ILMN_2143795	MGC4677	2.63E-07	1.24
ILMN_1774110	CHN2	2.74E-07	0.86
ILMN_1697309	NCF1	2.84E-07	-1.25
ILMN_1720270	CDR2	2.92E-07	1.03
ILMN_1701914	CD274	2.93E-07	0.63
ILMN_3283573	LOC647276	2.95E-07	0.95
ILMN_1677396	NDFIP2	2.95E-07	1.07
ILMN_1769290	TTC39B	2.95E-07	0.93
ILMN_2096372	ALDH1A1	3.08E-07	-1.14
ILMN_1815190	METTL1	3.08E-07	0.99
ILMN_1776678	GIMAP7	3.13E-07	-1.05
ILMN_1748473	GIMAP4	3.18E-07	-1.09
ILMN_2162972	LYZ	3.31E-07	-1.47
ILMN_2232121	GPR65	3.38E-07	-0.76
ILMN_1781983	AP1B1	3.40E-07	0.93
ILMN_1667966	C1orf24	3.40E-07	0.87
ILMN_1683658	FKBP1A	3.43E-07	1.08
ILMN_1709634	CMBL	3.56E-07	-1.01
ILMN_2193817	CLEC4G	3.60E-07	0.80
ILMN_1856480		3.73E-07	0.94
ILMN_1679460	PPFIBP1	3.73E-07	0.68
ILMN_1740418	CYP27B1	3.73E-07	1.18
ILMN_1716276	CCL4L2	3.89E-07	1.33
ILMN_2371280	CSF3R	3.95E-07	-0.98
ILMN_2399363	CLEC4A	3.96E-07	1.61
ILMN_1775170	MT1X	3.98E-07	-1.04
ILMN_1795930	PTGER4	4.09E-07	-0.90
ILMN_1779706	TP53BP2	4.10E-07	0.93
ILMN_1680139	MAFF	4.23E-07	1.13

ILMN_1776181	BIRC3	4.24E-07	1.17
ILMN_1680996	ALOX5	4.24E-07	-1.62
ILMN_2402798	AP2M1	4.24E-07	0.80
ILMN_1665100	PTGS1	4.24E-07	0.68
ILMN_1780799	ENPP2	4.24E-07	1.11
ILMN_1782938	SLC16A10	4.28E-07	-0.90
ILMN_3247023	FLJ22536	4.29E-07	-1.08
ILMN_1700268	QPRT	4.29E-07	0.97
ILMN_1704985	CYP27A1	4.29E-07	-1.01
ILMN_1652237	CBR3	4.29E-07	0.95
ILMN_1751561	CAMK1D	4.29E-07	0.67
ILMN_1915188		4.40E-07	0.64
ILMN_2218856	CCL3L1	4.43E-07	1.11
ILMN_1702237	FKBP1A	4.45E-07	0.90
ILMN_1787718	SLC27A1	4.82E-07	-0.66
ILMN_2306955	ACPL2	4.92E-07	0.50
ILMN_1747355	CCL3L1	5.00E-07	1.16
ILMN_1688580	CAMP	5.09E-07	-1.51
ILMN_1656560	PARM1	5.15E-07	0.84
ILMN_1805902	ELA1	5.16E-07	-0.47
ILMN_1689378	CCRN4L	5.24E-07	0.80
ILMN_1744138	CHCHD7	5.24E-07	0.88
ILMN_1767934	PCSK5	5.24E-07	1.01
ILMN_2408796	C19orf28	5.32E-07	0.72
ILMN_1701947	GPR34	5.32E-07	-0.96
ILMN_3207060	LOC647276	5.57E-07	0.80
ILMN_1756862	APOL3	5.57E-07	-0.94
ILMN_1752510	FAM13A	5.63E-07	-0.71
ILMN_2328666	CD83	5.63E-07	0.93
ILMN_1797875	ALOX5AP	5.63E-07	-2.00
ILMN_1739751	SLC26A11	5.68E-07	1.00
ILMN_2052208	GADD45A	5.68E-07	1.15
ILMN_1787529	C3AR1	5.68E-07	-1.04
ILMN_1739428	IFIT2	5.69E-07	-0.95
ILMN_1661695	IRAK3	5.72E-07	-0.84
ILMN_1682081	RNF19B	5.72E-07	0.90
ILMN_1706598	ACPL2	5.72E-07	0.50
ILMN_2389151	UGP2	5.79E-07	0.92
ILMN_1800225	PPARG	5.81E-07	1.01
ILMN_1732885	BTBD12	5.81E-07	0.94
ILMN_1791728	SLC25A25	5.92E-07	0.99
ILMN_1740493	TRAF5	5.98E-07	0.94
ILMN_2289849	FCGR2A	6.18E-07	-1.01
ILMN_1670490	PDPN	6.53E-07	-1.03
ILMN_1746673	42250	6.55E-07	0.81
ILMN_1707312	NFIL3	6.66E-07	1.17

ILMN_1769383	GIMAP5	6.70E-07	-0.75
ILMN_1857017		6.74E-07	1.13
ILMN_1786429	P2RY5	6.74E-07	-0.94
ILMN_1656378	NMT2	6.76E-07	-0.75
ILMN_2322375	MAFF	6.91E-07	0.53
ILMN_1784948	SPOCD1	6.91E-07	0.91
ILMN_1746517	KYNU	6.91E-07	-0.77
ILMN_1808333	PPP1R7	7.02E-07	0.88
ILMN_1796245	DNASE2	7.02E-07	-0.94
ILMN_3247506	FCGR1C	7.14E-07	-1.04
ILMN_1757552	PTRF	7.14E-07	1.07
ILMN_1708934	ADM	7.33E-07	-0.97
ILMN_1780671	PLEKHG3	7.33E-07	-0.70
ILMN_1680902	LOC284998	7.38E-07	0.52
ILMN_1815168	HVCN1	7.53E-07	-0.89
ILMN_3272741	LOC100130520	7.63E-07	0.65
ILMN_3306997	METTL1	7.73E-07	1.09
ILMN_1807719	CTNS	7.75E-07	1.33
ILMN_1761961	CCDC90A	7.91E-07	0.91
ILMN_2292178	CLEC12A	7.93E-07	-0.85
ILMN_1796336	MAP1S	8.03E-07	1.26
ILMN_1796537	FYB	8.32E-07	-0.85
ILMN_1763837	ANPEP	8.39E-07	0.98
ILMN_1808590	GUCY1A3	8.40E-07	0.54
ILMN_1683923	MT1H	8.62E-07	-1.04
ILMN_2374633	ZWILCH	8.68E-07	0.78
ILMN_1712888	HSPH1	8.68E-07	0.97
ILMN_1758963	NADK	8.94E-07	-0.66
ILMN_1685538	LOC158345	9.24E-07	1.02
ILMN_1780582	CD83	9.31E-07	0.93
ILMN_1804051	SNX8	9.33E-07	1.18
ILMN_1712475	HS3ST2	9.33E-07	0.64
ILMN_1773006	FABP4	9.33E-07	2.09
ILMN_1804277	SPRED1	9.33E-07	0.97
ILMN_1690262	SNAI3	9.35E-07	0.64
ILMN_1723004	CD72	9.46E-07	-0.65
ILMN_2290118	MEGF9	9.46E-07	-0.82
ILMN_1779015	ZNF467	9.62E-07	-0.79
ILMN_1694268	HES6	9.62E-07	0.89
ILMN_1758400	GRIN3A	9.62E-07	-0.44
ILMN_1726230	CD1B	1.00E-06	1.25
ILMN_1720373	SLC7A5	1.01E-06	0.81
ILMN_1682636	CXCL2	1.02E-06	-0.91
ILMN_2049184	DNASE1L3	1.04E-06	1.44
ILMN_1657862	AHCY	1.04E-06	0.93
ILMN_1668345	OAF	1.06E-06	-0.68

ILMN_1748538	ALDH1A2	1.11E-06	1.94
ILMN_1666845	KRT17	1.12E-06	0.89
ILMN_2365307	CD276	1.17E-06	0.97
ILMN_1656501	DUSP5	1.17E-06	1.01
ILMN_1730622	EVL	1.20E-06	1.03
ILMN_1740010	PCNX	1.20E-06	-0.82
ILMN_1693452	GAL3ST4	1.22E-06	-1.33
ILMN_1801307	TNFSF10	1.22E-06	-0.80
ILMN_1716053	AK2	1.24E-06	0.80
ILMN_1746137	ST7	1.24E-06	0.68
ILMN_1677038	FLJ21986	1.26E-06	-0.80
ILMN_2358540	RBMS1	1.29E-06	1.02
ILMN_2199439	CA2	1.30E-06	1.31
ILMN_2177090	LOC200030	1.31E-06	-0.77
ILMN_1802458	AGTRAP	1.32E-06	-0.71
ILMN_1703946	ADORA2B	1.33E-06	-0.87
ILMN_1667371	SLA	1.37E-06	0.82
ILMN_1680618	MYC	1.37E-06	0.95
ILMN_1670542	AK2	1.37E-06	0.77
ILMN_1783443	ALOX15	1.41E-06	0.72
ILMN_1780861	LOC653506	1.41E-06	0.99
ILMN_2284181	UGP2	1.41E-06	0.41
ILMN_1772824	WNT5B	1.41E-06	0.61
ILMN_1733680	AZI2	1.50E-06	-0.62
ILMN_1676548	BZW2	1.50E-06	0.68
ILMN_1790881	HNMT	1.55E-06	-0.86
ILMN_1761281	LOC441019	1.56E-06	-1.04
ILMN_1694075	GADD45A	1.58E-06	0.85
ILMN_1783956	ATP8B4	1.59E-06	-1.01
ILMN_1758672	FAM107B	1.59E-06	-0.88
ILMN_1758229	QSOX1	1.61E-06	0.71
ILMN_1716736	CD80	1.63E-06	0.65
ILMN_2380494	ANXA11	1.63E-06	0.88
ILMN_1662640	C20orf127	1.65E-06	-0.97
ILMN_2328776	MST4	1.75E-06	0.81
ILMN_1760727	ANG	1.76E-06	-1.29
ILMN_1800317	WNT5A	1.77E-06	0.48
ILMN_1768284	P2RY8	1.78E-06	-0.92
ILMN_2085441	FOXD4L1	1.81E-06	1.40
ILMN_3242586	RHOA	1.81E-06	-0.88
ILMN_1663142	CLEC12A	1.90E-06	-0.89
ILMN_1699598	AP2M1	1.90E-06	0.77
ILMN_1710221	GPR35	1.92E-06	0.92
ILMN_2329429	GIMAP6	1.94E-06	-0.84
ILMN_1813374	C19orf28	1.94E-06	0.84
ILMN_1707124	TFPI	1.94E-06	-0.69

ILMN_2265995	NBPF3	1.94E-06	-0.59
ILMN_3205162	LOC646688	1.97E-06	1.02
ILMN_1737514	KYNU	2.06E-06	-0.91
ILMN_1673960	MAT2B	2.08E-06	0.84
ILMN_2347949	G6PD	2.09E-06	0.76
ILMN_1794803	NDP	2.09E-06	1.05
ILMN_1742250	CCNH	2.09E-06	0.62
ILMN_1779547	HPSE	2.09E-06	-0.82
ILMN_1694596	FAR2	2.12E-06	1.05
ILMN_3307752	DLEU7	2.12E-06	-0.62
ILMN_1804735	CBS	2.13E-06	0.76
ILMN_2283325	GPR177	2.13E-06	-0.99
ILMN_2411282	QSOX1	2.13E-06	0.80
ILMN_1655990	CDK5RAP2	2.13E-06	-1.00
ILMN_1668039	GYPC	2.13E-06	-0.75
ILMN_1698313	CPM	2.14E-06	-0.49
ILMN_1669409	VSIG4	2.23E-06	-1.05
ILMN_1719986	PIK3IP1	2.26E-06	-0.71
ILMN_3280847	LOC651697	2.27E-06	0.74
ILMN_3282174	LOC646688	2.29E-06	0.85
ILMN_1733666	PLDN	2.29E-06	0.95
ILMN_1686664	MT2A	2.44E-06	-1.04
ILMN_2115490	NBPF20	2.44E-06	-0.89
ILMN_1683969	FKBP1A	2.44E-06	1.03
ILMN_2340259	PDE4B	2.45E-06	-0.60
ILMN_1782389	LAD1	2.51E-06	0.81
ILMN_1757872	DKFZp761P0423	2.52E-06	0.72
ILMN_1656913	MDH1	2.54E-06	0.78
ILMN_1687757	AKR1C4	2.54E-06	-0.85
ILMN_1713846	PPM1H	2.59E-06	-0.63
ILMN_1685009	ITGAM	2.59E-06	0.77
ILMN_1730201	DTNA	2.60E-06	0.64
ILMN_1725791	PTPLA	2.65E-06	0.82
ILMN_2365248	HVCN1	2.71E-06	-0.65
ILMN_2373791	ENPP2	2.72E-06	1.13
ILMN_2406501	SOD2	2.72E-06	-1.03
ILMN_1683127	ZNF281	2.73E-06	-0.73
ILMN_1657451	SRPK2	2.80E-06	0.92
ILMN_1707763	ST7	2.83E-06	0.66
ILMN_1771385	GBP4	2.83E-06	-0.59
ILMN_1707727	ANGPTL4	2.83E-06	1.41
ILMN_2367818	CD40	2.84E-06	0.62
ILMN_1728435	C12orf45	2.84E-06	0.78
ILMN_1708537	RBPJ	2.86E-06	0.74
ILMN_1838863		2.88E-06	0.52
ILMN_1703538	AIF1	2.88E-06	-0.85

ILMN_2200917	SLC4A7	2.90E-06	0.68
ILMN_1673773	GALNTL4	3.00E-06	0.66
ILMN_2135272	GIMAP2	3.00E-06	-0.75
ILMN_1802799	AKIRIN1	3.00E-06	0.71
ILMN_1784661	TMEM2	3.06E-06	-0.68
ILMN_1666444	RBMS1	3.12E-06	0.76
ILMN_1802096	ABTB1	3.15E-06	-0.64
ILMN_2171384	CXCL5	3.15E-06	-1.80
ILMN_1723706	GRAMD4	3.16E-06	-0.64
ILMN_1680132	CADM1	3.16E-06	-1.56
ILMN_2168217	EBI2	3.25E-06	0.88
ILMN_1698952	TNFRSF11A	3.25E-06	0.60
ILMN_1714108	TP53INP1	3.37E-06	-0.56
ILMN_1707077	SORT1	3.37E-06	0.68
ILMN_2323944	FAM110A	3.37E-06	-0.56
ILMN_1803256	STOX2	3.39E-06	-0.63
ILMN_1772876	ZNF395	3.42E-06	-0.54
ILMN_1718766	MT1F	3.42E-06	-0.83
ILMN_1769299	MTMR11	3.55E-06	-0.44
ILMN_2309926	ZDHHC14	3.60E-06	-0.45
ILMN_1808919	HPS4	3.63E-06	-0.59
ILMN_2115862	ESPNL	3.64E-06	0.69
ILMN_1812759	GCH1	3.64E-06	-0.50
ILMN_1749070	HLA-DPB1	3.66E-06	0.57
ILMN_2114568	GBP5	3.66E-06	-0.78
ILMN_1698218	TRAF1	3.66E-06	0.98
ILMN_1670325	SLC47A1	3.66E-06	0.73
ILMN_1751097	CREB3L2	3.70E-06	-0.66
ILMN_1660544	ARRDC4	3.70E-06	0.63
ILMN_1737308	GLRX	3.70E-06	-0.83
ILMN_1691376	JAG1	3.70E-06	0.75
ILMN_1711786	NFE2	3.74E-06	0.82
ILMN_1801303	AMY2A	3.75E-06	-0.60
ILMN_1906187		3.88E-06	0.58
ILMN_1847308		3.90E-06	-0.55
ILMN_2211003	GAS2L3	3.95E-06	0.67
ILMN_1712026	NLRP3	4.01E-06	-0.73
ILMN_1864166		4.04E-06	0.65
ILMN_2401873	DUSP10	4.16E-06	-0.63
ILMN_1662795	CA2	4.30E-06	1.31
ILMN_1772821	KIAA1671	4.30E-06	1.17
ILMN_1712095	FOXO4	4.44E-06	-0.66
ILMN_1764082	MBOAT1	4.55E-06	-0.58
ILMN_1667260	MAPK3	4.58E-06	-0.63
ILMN_2170949	SNX10	4.58E-06	-0.85
ILMN_1662619	TFPI	4.67E-06	-0.63

ILMN_1791147	YPEL3	4.67E-06	-0.81
ILMN_2061043	CD48	4.67E-06	-0.67
ILMN_1776602	RNASE4	4.67E-06	-0.97
ILMN_1807540	CBARA1	4.67E-06	-0.67
ILMN_1666932	FCGR2A	4.67E-06	-1.00
ILMN_1806023	JUN	4.69E-06	0.84
ILMN_2146372	KCTD6	4.69E-06	0.84
ILMN_3260111	LOC100129269	4.71E-06	0.76
ILMN_1772964	CCL8	4.72E-06	1.01
ILMN_3235832	LOC728835	4.75E-06	1.20
ILMN_1743199	EGR2	4.77E-06	1.38
ILMN_2373763	CASP7	4.81E-06	0.64
ILMN_1727709	GPBAR1	4.81E-06	-0.62
ILMN_1769876	TBC1D2	4.85E-06	-0.66
ILMN_1785646	PMP22	4.85E-06	-1.35
ILMN_2405684	BIRC3	4.86E-06	0.72
ILMN_1773906	NCOA4	4.92E-06	-0.70
ILMN_1782050	CEBPD	4.96E-06	-1.06
ILMN_1751789	HNMT	5.11E-06	-1.04
ILMN_1811624	THADA	5.20E-06	-0.57
ILMN_1754076	CACNA2D3	5.28E-06	-1.68
ILMN_1768505	IL13RA1	5.28E-06	-0.63
ILMN_1699644	42066	5.28E-06	0.50
ILMN_1806908	PRKCB1	5.29E-06	-0.59
ILMN_2060115	SORL1	5.33E-06	-0.66
ILMN_1736112	ARHGAP10	5.36E-06	0.64
ILMN_2316236	HOPX	5.37E-06	1.95
ILMN_2159272	PDCD1LG2	5.49E-06	0.87
ILMN_2110908	MYC	5.57E-06	0.68
ILMN_1653166	CLEC10A	5.59E-06	1.49
ILMN_2095653	AFMID	5.59E-06	-1.35
ILMN_1751464	TNFSF9	5.68E-06	-0.57
ILMN_1704961	ACTG1	5.69E-06	0.74
ILMN_1688775	METRNL	5.69E-06	0.94
ILMN_1657977	MSRB2	5.76E-06	-0.74
ILMN_2146761	FABP5	5.87E-06	0.70
ILMN_2093343	PLAC8	5.93E-06	-1.29
ILMN_2358541	RBMS1	5.95E-06	0.62
ILMN_1766411	AP1S2	5.97E-06	-0.79
ILMN_2294978	RNASE4	6.08E-06	-0.86
ILMN_1808566	TMEM180	6.15E-06	-0.56
ILMN_1747197	SLC41A2	6.15E-06	0.68
ILMN_1764380	GLTP	6.30E-06	-0.71
ILMN_1727315	DENND1A	6.34E-06	0.49
ILMN_1671260	GPR177	6.38E-06	-0.57
ILMN_2147435	MAN2A1	6.38E-06	0.72

ILMN_1702787	SEMA4A	6.55E-06	0.73
ILMN_1744381	SERPINE1	6.55E-06	0.72
ILMN_1779257	CD40	6.78E-06	0.63
ILMN_1777233	E2F2	6.96E-06	-0.37
ILMN_1774604	PNKD	7.03E-06	-0.68
ILMN_1728742	C5orf4	7.03E-06	-0.58
ILMN_1799889	ATP6V0D2	7.07E-06	-0.79
ILMN_2376723	CDKN2B	7.11E-06	-0.73
ILMN_1755974	ALDOC	7.13E-06	-0.60
ILMN_2083946	TGFA	7.13E-06	1.06
ILMN_1664631	ADAM28	7.21E-06	-0.53
ILMN_1775822	PDGFB	7.26E-06	0.59
ILMN_1740523	KTN1	7.29E-06	0.45
ILMN_1714602	CD86	7.34E-06	0.81
ILMN_2403228	CLEC12A	7.38E-06	-0.66
ILMN_1696974	ANG	7.41E-06	-1.00
ILMN_1669376	DRAM1	7.45E-06	-0.73
ILMN_1730816	GPR162	7.47E-06	-0.74
ILMN_2106725	NCF1B	7.51E-06	-0.53
ILMN_1713505	NPC1	7.51E-06	0.85
ILMN_1793410	SNTB1	7.51E-06	-0.85
ILMN_2374865	ATF3	7.51E-06	1.09
ILMN_2155719	NBPF10	7.52E-06	-0.89
ILMN_1669321	MATK	7.70E-06	0.41
ILMN_1741727	QPCT	7.73E-06	0.69
ILMN_2400922	OPRL1	7.84E-06	-0.54
ILMN_1749006	RCSD1	7.97E-06	-0.51
ILMN_1781536	FAH	8.17E-06	-0.79
ILMN_1657760	SYT17	8.17E-06	0.49
ILMN_1768031	DEDD2	8.18E-06	-0.66
ILMN_1785071	SEPP1	8.18E-06	-1.14
ILMN_1716815	CEACAM1	8.20E-06	-0.45
ILMN_2173611	MT1E	8.20E-06	-0.80
ILMN_3299520	PRKCB	8.20E-06	-0.46
ILMN_1697629	PLA2G4B	8.31E-06	-0.51
ILMN_2053415	LDLR	8.31E-06	-0.78
ILMN_1745994	GAS7	8.33E-06	-0.54
ILMN_1691156	MT1A	8.35E-06	-0.89
ILMN_1807423	IGF2BP3	8.40E-06	-0.46
ILMN_1808354	SLC4A7	8.43E-06	0.64
ILMN_2402341	MAPK3	8.45E-06	-0.48
ILMN_1738010	CTNS	8.45E-06	0.62
ILMN_1802100	ADAM28	8.45E-06	-0.41
ILMN_1700967	C3orf59	8.55E-06	-0.51
ILMN_1752285	RPL4	8.55E-06	0.84
ILMN_1787212	CDKN1A	8.61E-06	0.51

ILMN_1763609	SLC22A16	8.63E-06	0.68
ILMN_1773363	CIITA	8.72E-06	0.61
ILMN_2120273	AP1S2	8.75E-06	-0.70
ILMN_1779252	TRIM22	8.75E-06	-0.59
ILMN_1764577	MFNG	8.79E-06	0.80
ILMN_1805175	TGFA	8.85E-06	0.84
ILMN_1674811	OASL	8.94E-06	-0.56
ILMN_2310896	NLRP3	9.84E-06	-0.56
ILMN_1726913	RBPJ	9.93E-06	0.38
ILMN_2294976	RNASE4	9.96E-06	-0.92
ILMN_1689160	DPEP2	9.99E-06	-0.61
ILMN_1689518	PECAM1	1.00E-05	-0.75
ILMN_1749244	LYRM1	1.01E-05	1.00
ILMN_1755364	RALA	1.01E-05	-0.62
ILMN_2408576	FAM129B	1.01E-05	0.77
ILMN_1689086	CTSC	1.01E-05	0.55
ILMN_1667825	MLKL	1.02E-05	-0.75
ILMN_1784238	SEC22B	1.02E-05	-0.67
ILMN_1810199	ASRGL1	1.02E-05	-0.41
ILMN_1660847	PFKFB3	1.03E-05	-0.56
ILMN_1697559	G6PD	1.04E-05	0.66
ILMN_2408572	RNASE4	1.05E-05	-0.65
ILMN_2355168	MGST1	1.08E-05	-0.66
ILMN_1717163	F13A1	1.08E-05	1.42
ILMN_2230892	IL10RB	1.09E-05	-0.58
ILMN_1668526	GVIN1	1.09E-05	-0.53
ILMN_1735930	KLF2	1.09E-05	1.81
ILMN_1807825	LY86	1.09E-05	-0.67
ILMN_2307656	AGTRAP	1.09E-05	-0.62
ILMN_1746888	PCOLCE2	1.09E-05	-0.49
ILMN_1707748	PIM3	1.10E-05	0.58
ILMN_1719695	NFKBIZ	1.11E-05	-0.51
ILMN_1695829	TTYH2	1.11E-05	0.60
ILMN_1734740	GPR65	1.11E-05	-0.75
ILMN_2319000	MATK	1.13E-05	1.01
ILMN_1669703	TNK2	1.14E-05	-0.64
ILMN_1693233	KIAA0513	1.14E-05	-0.57
ILMN_2376403	TSC22D3	1.16E-05	-0.51
ILMN_1709820	AOAH	1.16E-05	-0.64
ILMN_1798256	UPP1	1.18E-05	0.87
ILMN_1680501	GTF2IRD2B	1.19E-05	-0.53
ILMN_2218648	RAG1AP1	1.19E-05	0.52
ILMN_1719627	SLC27A3	1.19E-05	0.82
ILMN_1796490	GRINA	1.19E-05	-0.63
ILMN_1678627	RUFY4	1.20E-05	0.30
ILMN_1810725	FAM129A	1.20E-05	0.74

ILMN_1803609	XKR3	1.21E-05	0.34
ILMN_1741021	CH25H	1.25E-05	1.11
ILMN_2174574	HNRNPA3P1	1.25E-05	-0.48
ILMN_1655930	ELL2	1.25E-05	-0.71
ILMN_2046470	DAAM1	1.25E-05	0.54
ILMN_1711838	SLC25A24	1.25E-05	-0.63
ILMN_1814789	UBAP2L	1.26E-05	0.75
ILMN_1776522	RAG1AP1	1.26E-05	0.73
ILMN_1764964	IFNGR2	1.27E-05	0.59
ILMN_1742981	TUBA1A	1.27E-05	0.76
ILMN_3251436	DENND4C	1.27E-05	0.55
ILMN_1658337	AKIRIN1	1.27E-05	0.90
ILMN_1684368	C5orf62	1.29E-05	-0.43
ILMN_1683859	SLC7A1	1.29E-05	0.69
ILMN_1738523	MYD88	1.31E-05	-0.75
ILMN_1758941	REEP5	1.31E-05	0.59
ILMN_1726591	CARD16	1.34E-05	-0.54
ILMN_1772302	MTHFS	1.34E-05	-0.76
ILMN_1677511	PTGS2	1.34E-05	-0.32
ILMN_1743130	PTGFRN	1.34E-05	0.53
ILMN_1740875	FPR2	1.34E-05	-0.70
ILMN_1687978	PHLDA1	1.34E-05	0.83
ILMN_1778599	SP140	1.38E-05	-0.57
ILMN_1801610	METRNL	1.45E-05	0.78
ILMN_1699496	PHF21A	1.46E-05	-0.64
ILMN_1720623	SYTL3	1.46E-05	-0.65
ILMN_2339202	KTN1	1.48E-05	0.75
ILMN_1827736		1.49E-05	-0.51
ILMN_1772686	FGD3	1.49E-05	-0.78
ILMN_1652680	LOC652616	1.50E-05	-0.81
ILMN_1670672	TMEM37	1.52E-05	-0.48
ILMN_1767523	IL17RB	1.56E-05	1.97
ILMN_1701441	LPAR1	1.57E-05	-0.54
ILMN_3241091	LOC100130886	1.57E-05	-0.57
ILMN_1812973	RRP1B	1.57E-05	0.42
ILMN_1773553	FLJ46906	1.59E-05	0.47
ILMN_1785170	ARMCX2	1.59E-05	-0.50
ILMN_1704797	CLEC10A	1.60E-05	1.16
ILMN_1741165	SLC11A1	1.60E-05	-0.65
ILMN_1681754	GGH	1.60E-05	-0.59
ILMN_1780546	OSM	1.63E-05	-0.83
ILMN_1801040	SPN	1.66E-05	0.60
ILMN_1812278	LY9	1.67E-05	0.85
ILMN_1720771	STX11	1.67E-05	-0.61
ILMN_3232894	CNRIP1	1.69E-05	-0.65
ILMN_2061732	YRDC	1.70E-05	0.58

ILMN_1693394	BCKDK	1.70E-05	0.65
ILMN_1721316	TNFRSF10A	1.71E-05	0.43
ILMN_1702175	ST7	1.72E-05	0.61
ILMN_1701789	IFIT3	1.73E-05	-0.65
ILMN_1672662	SLC20A1	1.73E-05	0.66
ILMN_1723912	IFI44L	1.73E-05	-0.92
ILMN_2415529	CDK5RAP2	1.73E-05	-0.51
ILMN_1719611	CCT6A	1.74E-05	0.43
ILMN_1775501	IL1B	1.74E-05	-1.39
ILMN_2324375	CHCHD7	1.76E-05	0.53
ILMN_1758623	HIST1H2BD	1.76E-05	-0.64
ILMN_1662451	FCER2	1.76E-05	1.05
ILMN_2373831	BTN3A3	1.76E-05	-0.47
ILMN_1719543	MAF	1.79E-05	0.74
ILMN_2091920	PTCRA	1.79E-05	0.65
ILMN_1798006	ANKRD35	1.80E-05	-0.54
ILMN_1696485	HNRNPAB	1.85E-05	0.42
ILMN_1741133	NME1	1.87E-05	0.66
ILMN_2092850	HPSE	1.88E-05	-0.92
ILMN_1657837	ZC3H8	1.89E-05	0.63
ILMN_1721842	RYBP	1.90E-05	0.64
ILMN_1913060		1.90E-05	-0.84
ILMN_3236239	LOC100129550	1.90E-05	-0.58
ILMN_1684306	S100A4	1.94E-05	-0.70
ILMN_2124802	MT1H	1.94E-05	-0.64
ILMN_2389501	HSD11B1	1.95E-05	0.65
ILMN_1799744	GALC	1.96E-05	-0.70
ILMN_1678353	FARP1	1.98E-05	0.55
ILMN_1672759	CCDC109A	2.00E-05	-0.48
ILMN_1718063	LIPA	2.04E-05	0.59
ILMN_1800787	RFTN1	2.04E-05	0.85
ILMN_1806249	IL1RN	2.06E-05	0.34
ILMN_2165867	DHCR7	2.10E-05	-0.50
ILMN_1773125	ENTPD1	2.11E-05	-0.48
ILMN_1790537	C16orf75	2.11E-05	0.53
ILMN_2141482	SERPINF1	2.12E-05	-0.38
ILMN_1701613	RARRES3	2.12E-05	-0.62
ILMN_1779353	PUS7	2.13E-05	0.37
ILMN_2100357	SMPDL3A	2.13E-05	-0.44
ILMN_1654289	ELK1	2.13E-05	0.53
ILMN_1683806	MRC1L1	2.13E-05	0.45
ILMN_2049536	TRPV2	2.17E-05	0.60
ILMN_1765701	LOC399942	2.17E-05	0.62
ILMN_1716105	NLRP12	2.17E-05	-0.43
ILMN_1724250	GRN	2.18E-05	-0.61
ILMN_1701933	SNCA	2.20E-05	-0.72

ILMN_1718297	EML4	2.20E-05	0.70
ILMN_3307659	SFT2D2	2.21E-05	0.63
ILMN_1762529	SLC12A8	2.26E-05	-0.39
ILMN_2243308	ACVR1B	2.32E-05	-0.49
ILMN_1760247	CD70	2.35E-05	-0.63
ILMN_3240389	CPOX	2.36E-05	-0.50
ILMN_1776121	MGC42367	2.38E-05	-0.42
ILMN_1688152	IL27RA	2.39E-05	0.60
ILMN_1770161	BST1	2.40E-05	-0.42
ILMN_1756920	ADAM15	2.40E-05	0.56
ILMN_1668063	FCN1	2.42E-05	-0.82
ILMN_1738552	SLC1A3	2.45E-05	-0.59
ILMN_1665865	IGFBP4	2.46E-05	-0.44
ILMN_2373515	HSP90AA1	2.46E-05	0.50
ILMN_3237270	LOC100133609	2.46E-05	0.39
ILMN_1714167	CYB5A	2.47E-05	-0.71
ILMN_2372915	P2RY2	2.48E-05	-0.54
ILMN_1657871	RSAD2	2.49E-05	-0.75
ILMN_1754114	FLJ20021	2.53E-05	-0.54
ILMN_3257030	FTHL16	2.55E-05	-0.59
ILMN_2080611	PDSS1	2.57E-05	0.56
ILMN_1695590	ADRB2	2.57E-05	-0.81
ILMN_3247848	NCRNA00085	2.57E-05	-0.46
ILMN_1767320	MAPK1	2.57E-05	0.48
ILMN_1662799	GPSM3	2.57E-05	-0.61
ILMN_2381138	SEH1L	2.58E-05	0.37
ILMN_1790014	METRNL	2.58E-05	0.67
ILMN_3234142	LOC728855	2.58E-05	-0.49
ILMN_1669888	CSTA	2.58E-05	-0.54
ILMN_1800261	TUBA1B	2.58E-05	0.60
ILMN_3187680	ACCS	2.58E-05	-0.49
ILMN_1797974	AIG1	2.58E-05	0.32
ILMN_1722981	TLR5	2.61E-05	-0.52
ILMN_1759818	SORL1	2.62E-05	-0.69
ILMN_1714592	CDA	2.65E-05	-0.69
ILMN_1733937	MMD	2.65E-05	0.58
ILMN_1734476	KIF2A	2.68E-05	0.49
ILMN_1706677	MAPK1	2.69E-05	0.34
ILMN_1813936	DNAH3	2.75E-05	0.29
ILMN_1804174	FCGR2B	2.76E-05	0.41
ILMN_2231928	MX2	2.76E-05	-0.60
ILMN_1766054	ABCA1	2.77E-05	-0.80
ILMN_1720889	SC4MOL	2.79E-05	-0.67
ILMN_1711909	EDEM2	2.80E-05	-0.55
ILMN_1739001	TACSTD2	2.80E-05	0.60
ILMN_1665859	RAB27A	2.80E-05	-0.50

ILMN_1755873	EMR3	2.80E-05	-0.35
ILMN_2173524	FOXD4	2.83E-05	1.10
ILMN_2340052	NCOR2	2.87E-05	0.58
ILMN_1740170	CHCHD10	2.89E-05	0.62
ILMN_1652716	THEX1	2.91E-05	0.47
ILMN_1787265	ZNF503	2.93E-05	-0.46
ILMN_2145116	TMEM173	2.96E-05	-0.62
ILMN_1652409	SPATA7	2.97E-05	-0.56
ILMN_3247462	GLRX3	2.98E-05	0.68
ILMN_1653026	PLAC8	2.99E-05	-1.07
ILMN_1759175	DUSP10	2.99E-05	-0.30
ILMN_2052891	PKD2	2.99E-05	0.61
ILMN_1768812	FXVD6	2.99E-05	-0.42
ILMN_1748124	TSC22D3	2.99E-05	-0.57
ILMN_1656910	TRIM6	2.99E-05	-0.46
ILMN_1750003	CD200R1	3.03E-05	0.85
ILMN_1706610	PLEKHA9	3.04E-05	-0.44
ILMN_1661264	SHMT2	3.06E-05	0.52
ILMN_1769013	ASGR1	3.06E-05	-0.68
ILMN_1682332	GYPC	3.06E-05	-0.66
ILMN_1761531	SGPL1	3.07E-05	0.50
ILMN_2094061	IMPA2	3.16E-05	-0.53
ILMN_1795561	CAMK1D	3.16E-05	0.50
ILMN_1664761	TMEM138	3.16E-05	-0.78
ILMN_2215631	OTUD6B	3.19E-05	0.44
ILMN_1672605	C7orf41	3.27E-05	-0.34
ILMN_2372413	BID	3.30E-05	0.54
ILMN_2379788	HIF1A	3.31E-05	-0.61
ILMN_1838313		3.31E-05	0.98
ILMN_2307598	SLC37A3	3.36E-05	0.47
ILMN_3280402	LOC100132510	3.36E-05	-0.78
ILMN_1733579	EVI2A	3.41E-05	-0.52
ILMN_3230608	NBPF8	3.46E-05	-0.71
ILMN_1777915	STX6	3.46E-05	-0.54
ILMN_2343105	LIPT1	3.46E-05	-0.40
ILMN_1683096	ASB1	3.48E-05	-0.42
ILMN_1713450	MYL6B	3.48E-05	-0.53
ILMN_2227248	SLAMF9	3.48E-05	-0.55
ILMN_3246560	EMB	3.48E-05	0.28
ILMN_2150196	LRRC25	3.55E-05	-0.64
ILMN_1705663	DMXL2	3.55E-05	-0.52
ILMN_2258268	GLRX2	3.55E-05	0.45
ILMN_2338116	TRAF5	3.55E-05	0.46
ILMN_2073202	MEI1	3.55E-05	-0.35
ILMN_1853167		3.55E-05	-0.50
ILMN_1780132	PELI2	3.56E-05	-0.48

ILMN_1702636	TUBB6	3.58E-05	0.59
ILMN_1690289	DUOX1	3.59E-05	0.28
ILMN_1773760	PAICS	3.63E-05	0.39
ILMN_3247723	NOP16	3.63E-05	0.46
ILMN_1655645	AK2	3.63E-05	0.35
ILMN_1706523	FCGR2A	3.70E-05	-0.48
ILMN_2138589	MERTK	3.71E-05	-0.69
ILMN_1778845	FAM111A	3.71E-05	-0.42
ILMN_1684227	GPR146	3.75E-05	0.35
ILMN_2069224	PVALB	3.75E-05	-0.75
ILMN_3304022	LOC729102	3.75E-05	0.52
ILMN_2366391	PRDX1	3.79E-05	-0.53
ILMN_1756541	MXD4	3.81E-05	-0.60
ILMN_1763452	EVI2B	3.82E-05	-0.59
ILMN_1765994	ZBP1	3.92E-05	-0.35
ILMN_1767658	RRS1	3.94E-05	0.35
ILMN_3210741	LOC642956	3.94E-05	0.67
ILMN_1730639	SLC22A15	3.96E-05	-0.42
ILMN_2183389	TTC9C	3.97E-05	0.73
ILMN_1750373	KAL1	3.98E-05	-0.36
ILMN_1656934	REPS2	4.00E-05	-0.50
ILMN_1797031	HSPBAP1	4.00E-05	-0.56
ILMN_1742929	HESX1	4.00E-05	-0.46
ILMN_2393456	DDO	4.00E-05	0.25
ILMN_1667748	ANKRD33	4.00E-05	-0.50
ILMN_2389506	HSD11B1	4.06E-05	0.54
ILMN_1804935	VNN3	4.06E-05	-0.42
ILMN_1682572	KIAA0528	4.06E-05	-0.57
ILMN_1910948		4.10E-05	0.46
ILMN_1714278	C9orf30	4.10E-05	0.53
ILMN_1758311	NET1	4.15E-05	0.63
ILMN_1659953	42250	4.17E-05	0.45
ILMN_1655702	ABHD5	4.18E-05	-0.51
ILMN_1727689	TNFAIP2	4.26E-05	-0.43
ILMN_1725241	GSTK1	4.31E-05	0.61
ILMN_1778444	FKBP5	4.33E-05	0.48
ILMN_1651496	HIST1H2BD	4.33E-05	-0.58
ILMN_2137789	KLF4	4.34E-05	0.41
ILMN_1806165	HSPA6	4.34E-05	-0.75
ILMN_1768035	MMP12	4.35E-05	0.48
ILMN_2350183	ST5	4.38E-05	-0.31
ILMN_2096322	ADIPOR1	4.38E-05	-0.53
ILMN_1781560	ST3GAL6	4.39E-05	-0.54
ILMN_1692219	RAB11FIP1	4.40E-05	-0.63
ILMN_1723486	HK2	4.44E-05	-0.75
ILMN_1710434	TBC1D10C	4.44E-05	0.54

ILMN_1739641	MTMR3	4.47E-05	-0.60
ILMN_1713143	MRPL3	4.48E-05	0.60
ILMN_1672834	SSH2	4.48E-05	-0.46
ILMN_1670305	SERPING1	4.48E-05	-0.55
ILMN_2232430	NMD3	4.50E-05	0.56
ILMN_2246328	PTPN22	4.50E-05	-0.48
ILMN_2131177	GUCY1A3	4.50E-05	0.25
ILMN_1756572	COQ2	4.50E-05	-0.50
ILMN_1728684	PELP1	4.50E-05	0.51
ILMN_1689004	TNFRSF12A	4.50E-05	0.57
ILMN_1657632	ZMYM6	4.50E-05	-0.56
ILMN_2383707	ALDH1A2	4.52E-05	0.66
ILMN_2338452	SERPINA1	4.53E-05	-0.56
ILMN_1722622	CD163	4.54E-05	-0.69
ILMN_1801766	CCDC109B	4.56E-05	-0.63
ILMN_1737157	GRAMD1A	4.56E-05	0.61
ILMN_1741096	FDFT1	4.64E-05	-0.52
ILMN_1698419	NCOR2	4.67E-05	0.49
ILMN_1793615	ME3	4.68E-05	0.30
ILMN_2345898	SLA	4.69E-05	0.79
ILMN_2073157	AMY2B	4.69E-05	-0.33
ILMN_2408112	CD200R1	4.69E-05	0.78
ILMN_2381397	HSPD1	4.69E-05	0.53
ILMN_1754538	C10orf58	4.71E-05	-0.64
ILMN_3251341	TUBA1C	4.72E-05	0.52
ILMN_2342066	METRNL	4.74E-05	0.74
ILMN_1738095	PER2	4.78E-05	0.50
ILMN_1652918	RHOF	4.80E-05	0.47
ILMN_1756685	DEPDC6	4.92E-05	-0.27
ILMN_2091846	FTHL2	4.99E-05	-0.55
ILMN_1668743	LOC728069	5.01E-05	-0.59
ILMN_1689088	COLEC12	5.05E-05	-1.23
ILMN_1665331	AMT	5.05E-05	-0.50
ILMN_1747650	BMP6	5.06E-05	0.36
ILMN_1800461	CSNK2B	5.10E-05	0.57
ILMN_1704055	HSPC111	5.12E-05	0.44
ILMN_1730032	BOK	5.23E-05	-0.59
ILMN_2149494	NPL	5.23E-05	-0.69
ILMN_1772218	HLA-DPA1	5.23E-05	0.60
ILMN_1767448	LHFP	5.24E-05	0.98
ILMN_1750674	SDSL	5.25E-05	-0.70
ILMN_1767661	LOC648907	5.26E-05	0.31
ILMN_2043452	FANCE	5.29E-05	-0.84
ILMN_3251423	CHDH	5.29E-05	0.51
ILMN_1774800	KTELC1	5.34E-05	0.47
ILMN_2410038	FAM111A	5.38E-05	-0.56

ILMN_1810275	SLC7A7	5.43E-05	-0.54
ILMN_1758673	SLC44A1	5.43E-05	-0.63
ILMN_1652198	CCM2	5.43E-05	-0.56
ILMN_1668374	ITGB5	5.52E-05	-0.51
ILMN_2246882	SP140	5.58E-05	-0.42
ILMN_3285959	LOC645515	5.66E-05	0.41
ILMN_1767360	IL10RB	5.70E-05	-0.52
ILMN_2148819	TUBA1A	5.72E-05	0.50
ILMN_1744795	TBL1X	5.73E-05	-0.45
ILMN_1800942	KCTD6	5.75E-05	0.64
ILMN_1724066	PLCB2	5.75E-05	0.49
ILMN_1701461	TIMP3	5.76E-05	0.58
ILMN_1658398	C3orf41	5.77E-05	0.27
ILMN_2336781	SOD2	5.77E-05	-0.64
ILMN_1747344	IL3RA	5.77E-05	0.80
ILMN_1766165	SNCA	5.77E-05	-0.51
ILMN_1669599	DENND4C	5.77E-05	0.54
ILMN_1704873	TCEB1	5.83E-05	0.62
ILMN_2164242	UBE2F	5.83E-05	0.58
ILMN_2382403	FCGR2B	5.83E-05	0.31
ILMN_1732296	ID3	5.83E-05	-0.93
ILMN_1715024	LSS	5.83E-05	-0.49
ILMN_1807894	SLC7A8	5.86E-05	0.50
ILMN_1795089	RASAL3	5.96E-05	-0.53
ILMN_1701514	TRAF3IP2	5.96E-05	-0.58
ILMN_1714397	CRYL1	5.98E-05	-0.45
ILMN_2407389	GPNMB	6.02E-05	-0.53
ILMN_1654389	LOC728744	6.02E-05	-0.37
ILMN_1760303	PIK3R1	6.03E-05	0.64
ILMN_1715013	ERMAP	6.06E-05	-0.38
ILMN_1803560	LAT2	6.07E-05	-0.46
ILMN_1803423	ARHGEF6	6.10E-05	-0.49
ILMN_1774596	BSCL2	6.20E-05	-0.52
ILMN_1715864	NHS	6.28E-05	-0.38
ILMN_1804822	SRXN1	6.30E-05	0.51
ILMN_1789510	STIP1	6.33E-05	0.58
ILMN_1690352	ADO	6.33E-05	0.64
ILMN_1654560	TLR6	6.33E-05	-0.45
ILMN_1689251	SPG3A	6.39E-05	0.41
ILMN_1653529	TEX10	6.45E-05	0.39
ILMN_3200362	LOC727908	6.46E-05	-0.61
ILMN_2083469	IRS2	6.46E-05	-0.50
ILMN_1713182	LOC653879	6.48E-05	-0.41
ILMN_1791232	SPRED2	6.48E-05	0.38
ILMN_1801833	ARHGAP24	6.55E-05	-0.43
ILMN_1671482	GALM	6.55E-05	0.59

ILMN_1723846	FAM119B	6.56E-05	0.57
ILMN_1706886	BCL7A	6.63E-05	0.23
ILMN_1660027	FCGR2B	6.63E-05	0.88
ILMN_1707695	IFIT1	6.64E-05	-0.59
ILMN_1680955	AURKA	6.69E-05	0.45
ILMN_1783285	CTPS	6.73E-05	0.31
ILMN_1767816	APH1B	6.74E-05	-0.47
ILMN_1802557	HEBP1	6.77E-05	-0.52
ILMN_1801205	GPNMB	6.78E-05	-0.55
ILMN_2201966	N4BP1	6.82E-05	0.41
ILMN_1656145	GOT1	6.84E-05	0.60
ILMN_2405305	ARNTL	6.84E-05	0.42
ILMN_1655796	42066	6.91E-05	0.57
ILMN_1657361	CBX7	6.92E-05	-0.41
ILMN_1696317	CACNA2D4	6.97E-05	-0.48
ILMN_1789702	GBE1	6.97E-05	-0.47
ILMN_1703123	AXUD1	6.99E-05	0.54
ILMN_1748915	S100A12	7.02E-05	-0.35
ILMN_2150095	CES4	7.05E-05	-0.27
ILMN_1676588	CEPT1	7.08E-05	0.51
ILMN_1746578	SLC23A2	7.08E-05	-0.51
ILMN_1664644	ATG16L2	7.13E-05	-0.48
ILMN_1716909	ADAMDEC1	7.20E-05	-0.52
ILMN_2375992	SPINT1	7.20E-05	0.36
ILMN_1782070	NPL	7.21E-05	-0.70
ILMN_2233539	SLC39A8	7.21E-05	-0.55
ILMN_1692466	LOC728637	7.29E-05	-0.43
ILMN_1703324	PDSS1	7.29E-05	0.47
ILMN_2117623	PLXNC1	7.29E-05	-0.33
ILMN_1711627	SIAH1	7.29E-05	0.50
ILMN_2401258	FAM13A	7.30E-05	-0.62
ILMN_2099277	HTRA4	7.48E-05	-0.66
ILMN_2103107	ADAMDEC1	7.53E-05	-0.46
ILMN_1740772	APBB3	7.70E-05	-0.45
ILMN_1777190	CFD	7.70E-05	-0.63
ILMN_2195914	GGH	7.71E-05	-0.60
ILMN_3241378	LOC728448	7.71E-05	-0.36
ILMN_1788180	RAB13	7.71E-05	-0.55
ILMN_1770610	MERTK	7.71E-05	-0.63
ILMN_2081883	IQCK	7.72E-05	-0.40
ILMN_1760201	DNMT1	7.80E-05	0.59
ILMN_2309180	SMARCD3	7.84E-05	-0.43
ILMN_1715715	CEBPA	7.96E-05	0.65
ILMN_2219246	LOC162073	7.97E-05	0.24
ILMN_1656057	PLAU	7.99E-05	0.62
ILMN_1700660	RNF135	8.17E-05	-0.51

ILMN_1768534	BHLHB2	8.29E-05	0.69
ILMN_1678454	CASP4	8.31E-05	-0.52
ILMN_1654630	FAM193B	8.38E-05	-0.42
ILMN_2185884	DHRS4	8.38E-05	-0.69
ILMN_1691760	FAM45A	8.63E-05	-0.46
ILMN_2380566	SIAH1	8.75E-05	0.59
ILMN_1756806	MCL1	8.75E-05	0.49
ILMN_2196097	PPP2CA	8.82E-05	0.48
ILMN_2083243	MNAT1	8.84E-05	0.34
ILMN_3205353	LOC100131294	8.89E-05	-0.33
ILMN_1718206	KIAA0100	8.93E-05	0.41
ILMN_1763260	HIF1A	9.10E-05	-0.52
ILMN_1798706	EBI2	9.10E-05	0.85
ILMN_2215119	SYNJ2	9.16E-05	0.32
ILMN_1688373	LST1	9.18E-05	-0.45
ILMN_1776188	MAP1LC3A	9.21E-05	-0.60
ILMN_2365091	FCAR	9.22E-05	-0.40
ILMN_1651262	HNRNPAB	9.23E-05	0.49
ILMN_1695354	BMF	9.24E-05	-0.32
ILMN_1683313	ST3GAL1	9.26E-05	-0.54
ILMN_1652797	FAM174B	9.35E-05	-0.31
ILMN_1782881	DLEU7	9.37E-05	-0.27
ILMN_1776157	42251	9.43E-05	-0.39
ILMN_2110252	NPM3	9.43E-05	0.50
ILMN_1815345	EIF3J	9.44E-05	0.45
ILMN_1767349	ABCB4	9.45E-05	0.29
ILMN_2359287	ITGA6	9.46E-05	-0.35
ILMN_1688780	S100A4	9.47E-05	-0.56
ILMN_1753312	PLXDC2	9.55E-05	-0.51
ILMN_1795839	SCCPDH	9.55E-05	-0.60
ILMN_1674183	MT1JP	9.62E-05	-0.36
ILMN_1781952	MGST1	9.63E-05	-0.51
ILMN_2375599	RNH1	9.69E-05	0.54
ILMN_1738921	ACAA1	9.73E-05	-0.49
ILMN_1677827	TLR7	9.76E-05	-1.03
ILMN_1781867	FOXD4L1	9.82E-05	0.97
ILMN_1746368	SELT	9.84E-05	0.46
ILMN_1745904	CCDC6	9.87E-05	0.62
ILMN_1654112	PARD6A	9.89E-05	-0.34
ILMN_1660232	PEX5	9.90E-05	-0.44
ILMN_1695851	PARVG	9.90E-05	-0.49
ILMN_1861376		9.90E-05	-0.35
ILMN_1688322	ADIPOR1	9.90E-05	-0.45
ILMN_1760062	IFI44	9.90E-05	-0.57
ILMN_1673991	ATIC	9.95E-05	0.49
ILMN_2262044	PARP10	9.96E-05	-0.49

ILMN_2153332	ATXN1	1.00E-04	0.71
ILMN_2341254	STARD13	1.02E-04	-0.37
ILMN_2403534	ALOX15	1.02E-04	0.87
ILMN_1683682	DAGLA	1.02E-04	0.60
ILMN_1687315	RXRA	1.02E-04	-0.52
ILMN_2072178	ECHDC3	1.02E-04	0.51
ILMN_2195821	C5orf41	1.03E-04	-0.48
ILMN_1700143	FRMD4B	1.03E-04	-0.59
ILMN_1691097	HSP90AA1	1.05E-04	0.56
ILMN_1772667	P2RY1	1.05E-04	0.23
ILMN_1811616	EEPD1	1.05E-04	0.39
ILMN_1716468	LOC152195	1.05E-04	0.46
ILMN_1746952	LOC153328	1.05E-04	0.21
ILMN_1698404	ERN1	1.05E-04	-0.47
ILMN_1736042	ME1	1.06E-04	-0.47
ILMN_3250257	ACVRL1	1.07E-04	-0.50
ILMN_1671191	UQCRC1	1.09E-04	0.58
ILMN_1715273	PICALM	1.09E-04	0.64
ILMN_1753342	SAT1	1.09E-04	-0.53
ILMN_1698605	TMEM43	1.10E-04	0.50
ILMN_2208413	ARHGAP15	1.10E-04	-0.64
ILMN_1671337	SLC2A5	1.12E-04	-1.14
ILMN_1692962	CTDSP2	1.12E-04	-0.56
ILMN_1712431	FAM113B	1.13E-04	-0.70
ILMN_1685676	TTC9C	1.15E-04	0.53
ILMN_1760849	NETO2	1.15E-04	0.33
ILMN_1723198	CDKN2B	1.16E-04	-0.48
ILMN_1719696	PLD1	1.18E-04	-0.54
ILMN_2345353	LST1	1.18E-04	-0.49
ILMN_1698225	MYO5A	1.19E-04	-0.47
ILMN_1731048	TLR1	1.20E-04	-0.52
ILMN_1750722	RPS7	1.21E-04	0.39
ILMN_1696622	SLC38A6	1.21E-04	0.54
ILMN_3246538	LOC100133866	1.21E-04	-0.61
ILMN_1660880	RNH1	1.22E-04	0.47
ILMN_1703926	PTGER2	1.22E-04	0.50
ILMN_1906423		1.23E-04	0.95
ILMN_1687301	VCAN	1.23E-04	-0.29
ILMN_1772703	OTUD6B	1.23E-04	0.30
ILMN_1752728	FUCA1	1.23E-04	-0.51
ILMN_1726720	NUSAP1	1.23E-04	-0.40
ILMN_1782560	CD86	1.24E-04	0.74
ILMN_2173835	FTHL3	1.25E-04	-0.45
ILMN_1743194	EEA1	1.27E-04	0.28
ILMN_1838310		1.27E-04	0.48
ILMN_1757406	HIST1H1C	1.27E-04	-0.61

ILMN_1800733	MANBA	1.27E-04	-0.54
ILMN_1715131	CCR7	1.28E-04	0.73
ILMN_1693804	LOC652675	1.28E-04	0.30
ILMN_3290497	LOC643863	1.30E-04	-0.47
ILMN_1722738	ROGDI	1.31E-04	0.34
ILMN_1729188	HAMP	1.33E-04	-0.53
ILMN_1890614		1.34E-04	0.43
ILMN_1661439	FLOT1	1.34E-04	-0.47
ILMN_1790412	FLJ39639	1.34E-04	-0.29
ILMN_1694589	PAQR8	1.34E-04	-0.46
ILMN_1691717	RHBDF2	1.34E-04	-0.57
ILMN_1726245	TGFBR2	1.35E-04	-0.50
ILMN_3234831	LOC645296	1.35E-04	-0.46
ILMN_1792689	HIST1H2AC	1.35E-04	-0.54
ILMN_1763386	BID	1.36E-04	0.56
ILMN_1778237	FN1	1.36E-04	0.21
ILMN_1695485	C9orf109	1.37E-04	-0.35
ILMN_1719139	LOC643424	1.37E-04	-0.34
ILMN_1711223	LOC649362	1.38E-04	-0.56
ILMN_2381697	P4HA2	1.38E-04	0.43
ILMN_1800425	SLC9A1	1.38E-04	-0.47
ILMN_1673676	SNX5	1.39E-04	0.43
ILMN_1668822	BATF	1.39E-04	0.46
ILMN_1779147	ENC1	1.39E-04	-0.47
ILMN_1689371	GIMAP2	1.39E-04	-0.46
ILMN_2407824	ATP1B1	1.40E-04	0.63
ILMN_1714170	SPSB1	1.40E-04	0.42
ILMN_2401779	FAM102A	1.43E-04	0.41
ILMN_1735367	HSD17B11	1.44E-04	-0.61
ILMN_1816244		1.44E-04	0.43
ILMN_2088124	TMEM154	1.44E-04	-0.36
ILMN_1727466	KCNMB4	1.44E-04	-0.39
ILMN_1803811	TRIB1	1.44E-04	0.49
ILMN_1700067	BTN3A2	1.44E-04	-0.37
ILMN_1666924	PINK1	1.45E-04	-0.54
ILMN_1677441	C20orf123	1.45E-04	1.11
ILMN_1651826	BASP1	1.45E-04	-0.47
ILMN_1802708	BTN3A1	1.46E-04	-0.41
ILMN_1678517	ACSL5	1.47E-04	0.17
ILMN_1713751	ADAM19	1.47E-04	0.93
ILMN_1835092		1.48E-04	-0.34
ILMN_1663866	TGFBI	1.48E-04	0.45
ILMN_1676480	LOC654053	1.48E-04	-0.69
ILMN_2407529	RNF135	1.48E-04	-0.39
ILMN_1692546	VNN2	1.48E-04	-0.23
ILMN_2239754	IFIT3	1.49E-04	-0.59

ILMN_1791726	TUBB3	1.49E-04	0.39
ILMN_2066020	TCEB1	1.49E-04	0.53
ILMN_2214997	LRRFIP1	1.49E-04	0.57
ILMN_1785005	NCF4	1.50E-04	-0.48
ILMN_2188722	GLS	1.51E-04	0.48
ILMN_1695640	PTPN22	1.51E-04	-0.45
ILMN_1736863	TMEM140	1.51E-04	-0.52
ILMN_1807206	DHRS1	1.51E-04	-0.50
ILMN_1797021	TMEM86A	1.53E-04	-0.48
ILMN_2187830	CCNH	1.54E-04	0.62
ILMN_1731157	MYOZ1	1.54E-04	0.39
ILMN_1795429	VCL	1.55E-04	0.49
ILMN_1741422	FUT8	1.55E-04	-0.29
ILMN_1667711	HRASLS3	1.56E-04	-0.46
ILMN_1782110	ZNF295	1.57E-04	0.40
ILMN_1678494	ZNF438	1.57E-04	-0.47
ILMN_3235964	HSPA7	1.59E-04	-0.37
ILMN_2355665	MTP18	1.60E-04	0.49
ILMN_1798373	ITPRIPL1	1.60E-04	0.19
ILMN_2101526	GGCT	1.60E-04	0.47
ILMN_1696601	VAR5	1.61E-04	0.43
ILMN_1751851	CECR1	1.61E-04	-0.51
ILMN_2373062	RHBDF2	1.61E-04	-0.55
ILMN_2396020	DUSP6	1.62E-04	-0.64
ILMN_1751941	LOC728772	1.62E-04	0.53
ILMN_2394305	PDGFB	1.63E-04	0.29
ILMN_2183409	SCARB1	1.64E-04	0.47
ILMN_2197365	RGS2	1.65E-04	-1.14
ILMN_1741594	CLCN6	1.65E-04	-0.31
ILMN_1677305	PVR	1.66E-04	0.42
ILMN_1727348	NMD3	1.66E-04	0.58
ILMN_1669215	SRPK2	1.66E-04	0.29
ILMN_1814305	SAMD9	1.66E-04	-0.54
ILMN_1723035	OLR1	1.66E-04	-0.57
ILMN_1781174	KIAA1009	1.66E-04	-0.39
ILMN_3234615	LOC728650	1.66E-04	-0.53
ILMN_1671557	PHLDA2	1.67E-04	0.24
ILMN_2391900	SLC26A6	1.69E-04	0.32
ILMN_2316386	GPBAR1	1.71E-04	-0.82
ILMN_1780898	PRKCH	1.72E-04	-0.55
ILMN_1671478	CKB	1.72E-04	0.75
ILMN_2354140	NAT5	1.74E-04	0.50
ILMN_1740572	TCN2	1.74E-04	-0.35
ILMN_3295874	LOC100132805	1.74E-04	0.35
ILMN_3238058	LOC151162	1.75E-04	0.47
ILMN_1728581	C3orf18	1.76E-04	0.28

ILMN_2214678	MXD1	1.76E-04	-0.65
ILMN_1721457	RANBP1	1.76E-04	0.40
ILMN_1673711	HSP90AB1	1.77E-04	0.50
ILMN_1691476	MYLK	1.77E-04	-0.25
ILMN_2115340	HIST2H4A	1.78E-04	-0.37
ILMN_1714433	MARCKSL1	1.78E-04	0.61
ILMN_2319952	VDR	1.79E-04	0.37
ILMN_1700695	SLC44A1	1.79E-04	-0.50
ILMN_1659895	MSN	1.79E-04	0.48
ILMN_2082324	SLC36A4	1.79E-04	-0.36
ILMN_3236481	LOC100129086	1.79E-04	0.44
ILMN_1695316	SLC39A8	1.79E-04	-0.57
ILMN_1694177	PCNA	1.80E-04	-0.46
ILMN_1682799	STAMBPL1	1.80E-04	0.52
ILMN_1712082	GCNT3	1.81E-04	0.25
ILMN_1757278	LOC643300	1.81E-04	0.28
ILMN_1715718	ZNF784	1.81E-04	-0.33
ILMN_1796130	LOC221710	1.81E-04	0.40
ILMN_1666364	COQ10A	1.83E-04	-0.34
ILMN_1663685	DGCR6	1.83E-04	-0.48
ILMN_2077905	PTGFRN	1.83E-04	0.34
ILMN_1665736	LOC648024	1.83E-04	0.54
ILMN_2170813	LAMP3	1.84E-04	0.66
ILMN_1811367	MAT2B	1.84E-04	0.47
ILMN_1735461	DDX21	1.84E-04	0.59
ILMN_1692199	RNF103	1.85E-04	-0.44
ILMN_2070072	RPS7	1.87E-04	0.33
ILMN_1673936	KHSRP	1.87E-04	0.41
ILMN_3275771	LOC642567	1.87E-04	-0.57
ILMN_1766169	BCAT1	1.89E-04	-0.53
ILMN_1798181	IRF7	1.89E-04	-0.45
ILMN_1696956	ARID3B	1.89E-04	-0.37
ILMN_2389155	UGP2	1.89E-04	0.59
ILMN_1704785	C10orf125	1.89E-04	0.38
ILMN_1662334	DNAJA3	1.89E-04	0.40
ILMN_2274180	MKKS	1.90E-04	0.39
ILMN_1705247	ACSL5	1.93E-04	0.59
ILMN_1815205	LYZ	1.94E-04	-0.46
ILMN_1652906	GBGT1	1.94E-04	-0.49
ILMN_1663447	HNRNPA1	1.94E-04	0.24
ILMN_2058795	PGCP	1.97E-04	-0.40
ILMN_1737298	MAT2A	1.98E-04	0.51
ILMN_1811972	MYCBP2	1.99E-04	-0.35
ILMN_1780397	TRAF3IP3	2.00E-04	-0.28
ILMN_1673030	CMKLR1	2.02E-04	-0.36
ILMN_3231621	LOC730235	2.03E-04	-0.33

ILMN_1813120	MAP4K3	2.04E-04	0.37
ILMN_1748883	CDKN2D	2.05E-04	-0.29
ILMN_1800602	GCA	2.05E-04	-0.47
ILMN_1811104	KTELC1	2.06E-04	0.59
ILMN_1681703	FOXO3	2.07E-04	-0.55
ILMN_2241953	PILRA	2.07E-04	-0.55
ILMN_2235283	MAPK1	2.07E-04	0.56
ILMN_2043816	ARPC5L	2.07E-04	0.44
ILMN_1659960	IL4I1	2.07E-04	0.43
ILMN_3242900	HIST2H2AA4	2.07E-04	-0.51
ILMN_1786473	FOXD4	2.08E-04	0.36
ILMN_1776519	RAP1GAP	2.09E-04	0.99
ILMN_1735038	42066	2.10E-04	0.27
ILMN_2148847	AKIRIN2	2.10E-04	0.57
ILMN_1784985	PRRT3	2.14E-04	0.48
ILMN_1759344	LOC652226	2.14E-04	-0.21
ILMN_1756071	MFGE8	2.16E-04	-0.45
ILMN_1796755	ITGB5	2.17E-04	-0.52
ILMN_1785324	MTHFD1	2.17E-04	0.33
ILMN_3177285	HNRNPR	2.17E-04	0.44
ILMN_2313821	AIFM1	2.17E-04	0.52
ILMN_1705848	FAM104B	2.18E-04	-0.44
ILMN_1707464	MST1	2.19E-04	-0.32
ILMN_1762594	NOD2	2.22E-04	-0.42
ILMN_2401253	FAM13A	2.24E-04	-0.29
ILMN_1717934	SYT11	2.25E-04	-0.55
ILMN_1803779	AP2A2	2.29E-04	0.39
ILMN_2134974	RAB38	2.29E-04	0.40
ILMN_2342033	F11R	2.29E-04	-0.47
ILMN_1724907	NUDT3	2.29E-04	-0.41
ILMN_1813625	TRIM25	2.29E-04	-0.31
ILMN_2404154	SERPINA1	2.29E-04	-0.58
ILMN_2087646	HLX	2.31E-04	0.47
ILMN_1658071	ATP1B1	2.33E-04	0.59
ILMN_3238369	JHDM1D	2.34E-04	0.35
ILMN_2134538	FTHL11	2.35E-04	-0.42
ILMN_2197846	HADHB	2.35E-04	0.52
ILMN_2124221	CLLU1OS	2.35E-04	-0.76
ILMN_1690921	STAT2	2.35E-04	-0.58
ILMN_2337263	PKIB	2.35E-04	0.35
ILMN_1803376	AEBP2	2.37E-04	0.31
ILMN_1769433	IQGAP2	2.39E-04	-0.39
ILMN_1792922	SOD2	2.39E-04	-0.36
ILMN_1803906	ETV2	2.40E-04	-0.30
ILMN_1744937	PTPRM	2.41E-04	-0.33
ILMN_1745075	RPLP0	2.41E-04	0.39

ILMN_1673518	BRWD1	2.41E-04	0.40
ILMN_1772359	LPTM5	2.42E-04	-0.44
ILMN_2343010	BOLA3	2.43E-04	0.48
ILMN_1682404	SETMAR	2.47E-04	0.39
ILMN_1674394	C20orf3	2.50E-04	-0.49
ILMN_1677466	DUSP6	2.50E-04	-0.34
ILMN_1759326	P2RX7	2.51E-04	-0.51
ILMN_1716563	PRKCB1	2.54E-04	-0.27
ILMN_2144088	FDFT1	2.54E-04	-0.49
ILMN_2341595	KITLG	2.54E-04	-0.46
ILMN_1692168	UBE2Z	2.55E-04	0.44
ILMN_2184064	ARRDC4	2.56E-04	0.64
ILMN_3210946	LOC645969	2.56E-04	0.50
ILMN_1799106	MOSC1	2.58E-04	-0.43
ILMN_2387505	AP1B1	2.58E-04	0.28
ILMN_1794017	SERTAD1	2.60E-04	0.44
ILMN_1760011	GTF2IRD2B	2.60E-04	-0.27
ILMN_1674236	HSPB1	2.64E-04	0.46
ILMN_2364062	THOC4	2.65E-04	0.42
ILMN_1671843	PSRC1	2.65E-04	-0.27
ILMN_1655577	TIAM1	2.68E-04	0.44
ILMN_1776788	C5orf41	2.68E-04	-0.52
ILMN_2082314	TOM1	2.68E-04	-0.45
ILMN_1683598	ACSL4	2.68E-04	-0.49
ILMN_2231911	AUH	2.69E-04	0.46
ILMN_1662340	ZNF358	2.69E-04	-0.43
ILMN_1654518	LRCH4	2.69E-04	-0.42
ILMN_1809866	WDR74	2.70E-04	0.33
ILMN_2335704	NCF4	2.70E-04	-0.42
ILMN_2312194	CYB5A	2.70E-04	-0.63
ILMN_2214355	RAB30	2.71E-04	0.29
ILMN_1786357	CENTD2	2.71E-04	-0.37
ILMN_1807277	IFI30	2.71E-04	-0.44
ILMN_1691578	GTF3C6	2.71E-04	0.48
ILMN_1748591	ODC1	2.72E-04	0.53
ILMN_1778709	PICALM	2.74E-04	0.39
ILMN_1781388	PGM5	2.74E-04	-0.41
ILMN_3245688	DGCR6L	2.74E-04	-0.44
ILMN_2157951	STX6	2.75E-04	-0.46
ILMN_1712751	HADHA	2.75E-04	0.39
ILMN_1789505	ITPR1	2.77E-04	-0.47
ILMN_2214197	TP53INP1	2.78E-04	-0.42
ILMN_1668408	AIFM1	2.78E-04	0.44
ILMN_1691402	LOC644162	2.79E-04	0.51
ILMN_2112357	CD300LF	2.79E-04	-0.65
ILMN_1733270	CD163	2.80E-04	-0.67

ILMN_1652065	KCNMB1	2.80E-04	-0.44
ILMN_1805448	EPB41L2	2.80E-04	0.42
ILMN_1721128	TOMM34	2.82E-04	0.44
ILMN_1676528	BTN3A2	2.82E-04	-0.38
ILMN_1742167	TUBA1C	2.82E-04	0.60
ILMN_1679476	GART	2.83E-04	0.45
ILMN_1735432	ISCU	2.83E-04	-0.44
ILMN_2384241	TGFBR2	2.83E-04	-0.48
ILMN_2062620	NMT2	2.84E-04	-0.23
ILMN_1737025	PLCL2	2.84E-04	-0.43
ILMN_2395856	TMEM218	2.87E-04	-0.40
ILMN_1683023	PDGFC	2.88E-04	0.48
ILMN_2073758	MMP12	2.89E-04	0.65
ILMN_2115005	FGD2	2.93E-04	0.66
ILMN_1769694	ACCN2	2.93E-04	-0.53
ILMN_1755138	NEK8	2.97E-04	-0.26
ILMN_1793517	RASAL1	3.04E-04	0.44
ILMN_2379967	FCAR	3.04E-04	-0.35
ILMN_2042771	PTTG1	3.04E-04	-0.39
ILMN_2140990	CAMK1	3.07E-04	0.64
ILMN_1681890	DYNLT3	3.09E-04	-0.41
ILMN_1737406	KLF6	3.12E-04	0.44
ILMN_2294762	AMY1A	3.13E-04	0.56
ILMN_2199768	SLITRK4	3.13E-04	-0.42
ILMN_2375484	CPEB2	3.14E-04	0.34
ILMN_1679800	BRIX1	3.14E-04	0.42
ILMN_1723020	MAP3K1	3.14E-04	-0.55
ILMN_1752899	BCL11A	3.15E-04	-0.42
ILMN_3228585	LOC728661	3.17E-04	-0.40
ILMN_1815086	NINJ1	3.17E-04	-0.55
ILMN_1705144	ULK1	3.20E-04	-0.51
ILMN_3227994	LOC729992	3.20E-04	0.39
ILMN_1704398	FZD9	3.23E-04	-0.40
ILMN_3212373	LOC727803	3.23E-04	0.39
ILMN_2338997	PTP4A2	3.23E-04	-0.45
ILMN_1745686	MFHAS1	3.23E-04	0.36
ILMN_1764850	HPCAL1	3.24E-04	0.42
ILMN_1672589	SEMA4B	3.24E-04	-0.38
ILMN_1750273	RPL23AP7	3.24E-04	-0.32
ILMN_2369018	EVI2A	3.25E-04	-0.50
ILMN_2370882	ACSL5	3.25E-04	0.30
ILMN_1751120	HIST1H4H	3.32E-04	-0.45
ILMN_3251132	TMOD2	3.35E-04	-0.18
ILMN_3235514	GPR183	3.36E-04	0.39
ILMN_1712236	PPP1R3B	3.36E-04	0.19
ILMN_1702501	RPS6KA2	3.39E-04	-0.48

ILMN_1757882	PPP1R16A	3.40E-04	0.35
ILMN_1656628	WDR4	3.40E-04	0.34
ILMN_2224103	PAPSS1	3.40E-04	-0.44
ILMN_2400644	SRGAP3	3.41E-04	-0.24
ILMN_1702858	ADHFE1	3.41E-04	-0.31
ILMN_2112256	TNFRSF4	3.45E-04	0.40
ILMN_1753719	GTF2A2	3.47E-04	0.45
ILMN_1715214	PTPN7	3.48E-04	0.52
ILMN_3178258	FABP5L2	3.50E-04	0.64
ILMN_1714809	RPIA	3.50E-04	0.60
ILMN_1700380	ATP6V0A2	3.51E-04	0.43
ILMN_1771026	GARS	3.55E-04	0.62
ILMN_1777342	PREX1	3.55E-04	-0.34
ILMN_1742544	MEF2C	3.55E-04	-0.44
ILMN_1660661	TCP1	3.55E-04	0.36
ILMN_2278729	EIF3B	3.56E-04	0.23
ILMN_1738449	STIM2	3.56E-04	0.29
ILMN_2330267	ABCE1	3.57E-04	0.44
ILMN_2374340	PLAUR	3.57E-04	-0.65
ILMN_3265343	LOC100130633	3.58E-04	-0.42
ILMN_1774077	GBP2	3.58E-04	-0.48
ILMN_1758895	CTSK	3.60E-04	-0.51
ILMN_1739050	PIPOX	3.60E-04	-0.19
ILMN_1762582	ARNT	3.61E-04	-0.21
ILMN_3239937	NUDT16P	3.62E-04	0.33
ILMN_1677432	SRGAP1	3.62E-04	0.24
ILMN_1723158	NOP2	3.62E-04	0.49
ILMN_1692742	DENND3	3.67E-04	-0.26
ILMN_2363058	PAOX	3.69E-04	0.33
ILMN_2085236	SNX24	3.69E-04	-0.31
ILMN_1811592	ARHGAP21	3.69E-04	-0.54
ILMN_3206343	LOC644914	3.69E-04	-0.50
ILMN_2380237	C1QTNF1	3.70E-04	0.43
ILMN_1791396	DGCR6	3.71E-04	-0.49
ILMN_1797009	F3	3.72E-04	0.39
ILMN_1784005	LOC644615	3.74E-04	-0.47
ILMN_2148913	TMEM45A	3.78E-04	-0.27
ILMN_1716019	RHBDL3	3.78E-04	0.32
ILMN_1703891	TBC1D9	3.78E-04	-0.48
ILMN_1801710	APBB1IP	3.80E-04	0.43
ILMN_1695276	MAPRE2	3.85E-04	-0.40
ILMN_3241758	POTEF	3.86E-04	0.40
ILMN_1781812	NR4A3	3.87E-04	0.45
ILMN_2166972	BBS12	3.88E-04	-0.21
ILMN_1716093	KRT10	3.88E-04	-0.37
ILMN_3202568	LOC643768	3.94E-04	-0.20

ILMN_1654370	TESK2	3.95E-04	-0.24
ILMN_2280548	FYB	3.95E-04	-0.22
ILMN_2170814	LAMP3	3.95E-04	0.88
ILMN_1715969	SLC25A37	3.96E-04	-0.21
ILMN_1691927	BTBD1	3.96E-04	0.44
ILMN_1815519	EPN2	3.97E-04	0.24
ILMN_1728048	LOC158160	3.97E-04	-0.34
ILMN_1801043	GSN	4.00E-04	0.58
ILMN_1774779	LOC647121	4.00E-04	0.21
ILMN_1732452	MAPKAPK3	4.01E-04	0.42
ILMN_1665738	FLI1	4.02E-04	-0.45
ILMN_1701032	TFPI	4.04E-04	-0.22
ILMN_1735157	GALNT12	4.05E-04	0.88
ILMN_1725675	ABCC6	4.07E-04	-0.20
ILMN_1811702	GRN	4.07E-04	-0.41
ILMN_2335718	HNRNPAB	4.07E-04	0.40
ILMN_1769671	RYK	4.07E-04	0.46
ILMN_1798270	C11orf75	4.07E-04	-0.45
ILMN_1810191	PLA2G4C	4.07E-04	-0.48
ILMN_3253728	C19orf64	4.10E-04	0.34
ILMN_1781155	LYN	4.11E-04	-0.43
ILMN_1780601	EMR1	4.18E-04	-0.38
ILMN_1674038	CTSD	4.22E-04	-0.51
ILMN_1766125	LONP1	4.22E-04	0.37
ILMN_1747673	RASL10A	4.24E-04	0.53
ILMN_1665357	EPS15	4.29E-04	0.37
ILMN_2323992	CLEC7A	4.32E-04	0.51
ILMN_2053281	C14orf149	4.36E-04	0.31
ILMN_1664802	WSB1	4.36E-04	-0.38
ILMN_1788810	C12orf30	4.37E-04	0.31
ILMN_1691980	FAM126A	4.37E-04	0.15
ILMN_1685415	HBP1	4.38E-04	-0.44
ILMN_1715684	LAMB3	4.39E-04	-0.27
ILMN_1786722	ZNF385A	4.39E-04	-0.37
ILMN_1661346	LOC648210	4.46E-04	0.40
ILMN_2392569	FPR2	4.46E-04	-0.51
ILMN_2053103	SLC40A1	4.49E-04	-0.71
ILMN_1779828	EDEM1	4.49E-04	0.43
ILMN_1751161	COL7A1	4.51E-04	0.35
ILMN_3240838	SLC25A6	4.53E-04	0.43
ILMN_3251728	MTMR10	4.54E-04	0.38
ILMN_1733927	TCEB2	4.54E-04	-0.45
ILMN_1693882	TAPT1	4.56E-04	0.45
ILMN_1659206	RARA	4.57E-04	0.43
ILMN_1663751	CYCSL1	4.57E-04	0.54
ILMN_2367782	STARD7	4.58E-04	0.41

ILMN_1674574	VNN1	4.58E-04	-0.33
ILMN_1787815	TRIB3	4.59E-04	1.06
ILMN_1746819	C5	4.60E-04	-0.39
ILMN_2216838	DKFZP586I1420	4.60E-04	-0.27
ILMN_1737163	SH3BGRL3	4.60E-04	0.46
ILMN_2387952	FAM134B	4.60E-04	-0.40
ILMN_1716797	CD302	4.61E-04	-0.43
ILMN_1794190	CCPG1	4.63E-04	-0.42
ILMN_1752199	LHPP	4.63E-04	-0.40
ILMN_3236821	HSPBL2	4.65E-04	0.41
ILMN_3251629	EIF4A1	4.66E-04	0.42
ILMN_1771695	RCBTB2	4.68E-04	-0.38
ILMN_1691507	IL8RBP	4.69E-04	0.25
ILMN_1879326		4.70E-04	0.30
ILMN_1789781	PIM3	4.70E-04	0.21
ILMN_1654612	ZNF589	4.71E-04	-0.36
ILMN_2230035	BBS2	4.71E-04	-0.38
ILMN_1729294	RNF130	4.71E-04	-0.43
ILMN_1678490	RILPL2	4.71E-04	-0.45
ILMN_2157099	CCNA1	4.71E-04	0.52
ILMN_1765557	OLFML2B	4.72E-04	-0.56
ILMN_1798533	ZNF22	4.72E-04	-0.34
ILMN_1668312	SLC2A9	4.72E-04	-0.40
ILMN_1733324	ITGB3	4.78E-04	0.30
ILMN_2038777	ACTB	4.78E-04	0.44
ILMN_1674063	OAS2	4.78E-04	-0.43
ILMN_1792473	AIF1	4.80E-04	-0.66
ILMN_1680925	SLC9A3R1	4.81E-04	-0.33
ILMN_1689655	HLA-DRA	4.81E-04	0.55
ILMN_2106449	PLEKHF2	4.82E-04	0.34
ILMN_1701911	C5orf20	4.82E-04	0.46
ILMN_1675386	CES1	4.86E-04	-0.37
ILMN_1725175	FOSL2	4.88E-04	0.28
ILMN_1743104	RBM4B	4.88E-04	-0.33
ILMN_2129572	F3	4.88E-04	0.79
ILMN_1781752	CLEC16A	4.88E-04	0.38
ILMN_1675117	HSD17B11	4.88E-04	-0.46
ILMN_1752923	IFNAR1	4.89E-04	-0.45
ILMN_2254635	ITGAX	5.00E-04	0.47
ILMN_3266606	FABP5L2	5.00E-04	0.51
ILMN_1718558	PARP12	5.00E-04	0.43
ILMN_1812926	ANTXR2	5.02E-04	-0.38
ILMN_3299365	LOC729406	5.06E-04	0.33
ILMN_2182148	C2orf32	5.07E-04	-0.32
ILMN_2405297	NOTCH2	5.07E-04	-0.33
ILMN_1726306	HMBS	5.07E-04	0.35

ILMN_1805662	FBXW5	5.07E-04	-0.45
ILMN_1713759	UBE2J1	5.08E-04	0.43
ILMN_1798061	ZFYVE26	5.08E-04	-0.42
ILMN_1677607	SC5DL	5.11E-04	-0.47
ILMN_1745242	PLSCR1	5.12E-04	-0.44
ILMN_3219455	LOC644745	5.13E-04	0.40
ILMN_2056479	TXNL2	5.13E-04	0.50
ILMN_1708203	OTUD4	5.13E-04	0.33
ILMN_2383349	STEAP3	5.14E-04	-0.45
ILMN_1777765	C12orf10	5.15E-04	0.44
ILMN_1800626	SESN1	5.15E-04	-0.34
ILMN_2165993	ITLN1	5.17E-04	-0.13
ILMN_2311166	ITGB5	5.20E-04	-0.44
ILMN_1687508	ALDH7A1	5.20E-04	-0.46
ILMN_3224856	LOC729660	5.28E-04	-0.31
ILMN_1654639	HERC6	5.28E-04	-0.34
ILMN_1724941	CDCP1	5.30E-04	0.27
ILMN_1674609	CLTB	5.30E-04	0.38
ILMN_1726327	AMY1B	5.31E-04	0.37
ILMN_1717262	PROCR	5.32E-04	-0.42
ILMN_1740604	RAB11FIP5	5.35E-04	-0.23
ILMN_1688997	C17orf58	5.35E-04	0.21
ILMN_1652223	WDR91	5.35E-04	-0.44
ILMN_1799208	CSGALNACT2	5.37E-04	0.33
ILMN_1672124	C4orf18	5.37E-04	-0.54
ILMN_1664265	EPHA1	5.37E-04	-0.26
ILMN_1728639	FCGR3B	5.40E-04	-0.29
ILMN_1701621	SCO2	5.40E-04	-0.39
ILMN_1805377	ZP3	5.41E-04	-0.37
ILMN_1787251	DAAM1	5.43E-04	0.44
ILMN_1663313	AMY1C	5.45E-04	0.50
ILMN_1752281	DNAJC13	5.47E-04	-0.35
ILMN_1760667	POLR3GL	5.50E-04	-0.40
ILMN_2153280	KIAA0090	5.50E-04	0.31
ILMN_1715583	BOP1	5.52E-04	0.35
ILMN_1915076		5.52E-04	-0.38
ILMN_1682264	DCAF7	5.54E-04	0.38
ILMN_1683678	SPATS2L	5.54E-04	0.39
ILMN_2366192	FGL1	5.55E-04	0.16
ILMN_2308338	BMF	5.55E-04	-0.29
ILMN_1704305	NIP7	5.56E-04	0.37
ILMN_1780842	RANBP6	5.56E-04	0.41
ILMN_2211780	SLC25A4	5.57E-04	0.36
ILMN_1749403	TSPAN33	5.57E-04	0.52
ILMN_2096083	PLEKHA5	5.57E-04	0.38
ILMN_1800935	ARV1	5.58E-04	0.44

ILMN_1767612	BBS2	5.60E-04	-0.41
ILMN_1809894	TMEM117	5.62E-04	0.27
ILMN_2379599	CD163	5.64E-04	-0.63
ILMN_1726786	TNRC6B	5.66E-04	-0.44
ILMN_1735052	ULK1	5.66E-04	-0.50
ILMN_1676846	ABCE1	5.67E-04	0.37
ILMN_1720048	CCL2	5.69E-04	-0.62
ILMN_1659888	PPP1R14B	5.70E-04	0.37
ILMN_2351930	TRIM33	5.70E-04	-0.37
ILMN_3252556	CARD16	5.70E-04	-0.20
ILMN_2337336	PVRL2	5.73E-04	0.28
ILMN_1736704	DIXDC1	5.73E-04	-0.21
ILMN_3233930	LOC390557	5.73E-04	0.41
ILMN_1745005	GGCT	5.74E-04	0.36
ILMN_1798172	IPO4	5.77E-04	0.18
ILMN_1909886		5.81E-04	-0.33
ILMN_3207933	LOC647150	5.81E-04	0.45
ILMN_2307903	VCAM1	5.83E-04	0.45
ILMN_1652082	ELF4	5.83E-04	0.45
ILMN_3242459	DCTPP1	5.83E-04	0.43
ILMN_1710622	DUOXA1	5.83E-04	0.48
ILMN_1712389	CKLF	5.83E-04	0.43
ILMN_3283680	LOC345041	5.84E-04	0.48
ILMN_3243366	C2orf55	5.87E-04	-0.34
ILMN_1696407	SFRS2	5.87E-04	0.43
ILMN_2298365	PPP2R2B	5.87E-04	0.44
ILMN_2396444	CD14	5.88E-04	-0.56
ILMN_1715068	AQP9	5.90E-04	0.37
ILMN_1748767	LOC730740	5.91E-04	-0.47
ILMN_1752213	TMEM60	5.92E-04	-0.43
ILMN_2156936	SCCPDH	5.92E-04	-0.29
ILMN_1766916	RPAP3	5.92E-04	0.37
ILMN_1691436	BLVRA	5.95E-04	0.40
ILMN_1763461	ALDH7A1	5.95E-04	-0.43
ILMN_2334296	IL18BP	6.01E-04	0.42
ILMN_2405521	MTHFD2	6.03E-04	0.47
ILMN_1723212	SFRS3	6.05E-04	0.35
ILMN_1796146	EIF4E3	6.06E-04	-0.28
ILMN_1695991	COLQ	6.07E-04	-0.40
ILMN_2359800	MS4A6A	6.07E-04	0.66
ILMN_2316844	RBPJ	6.07E-04	0.19
ILMN_1786105	PCBD1	6.08E-04	0.37
ILMN_1800951	ATXN1	6.09E-04	0.51
ILMN_3215206	LOC100133836	6.13E-04	0.28
ILMN_1690170	CRABP2	6.16E-04	0.56
ILMN_1656837	RBP1	6.22E-04	-0.45

ILMN_3307940	FLJ35776	6.23E-04	-0.23
ILMN_3244286	TANC2	6.26E-04	-0.27
ILMN_1800838	SPATA12	6.27E-04	-0.25
ILMN_1669094	ZNF672	6.29E-04	0.34
ILMN_3182768	LOC100130520	6.32E-04	0.23
ILMN_1889752		6.35E-04	0.31
ILMN_2370872	GRINA	6.37E-04	-0.46
ILMN_3249667	LOC100133678	6.37E-04	0.51
ILMN_1803398	SRF	6.38E-04	0.38
ILMN_1794782	ABCG1	6.41E-04	-0.53
ILMN_1803850	TSPAN15	6.42E-04	0.22
ILMN_1752562	CXCL5	6.43E-04	-0.98
ILMN_2363439	RYK	6.48E-04	0.30
ILMN_1761941	C4orf18	6.49E-04	-0.44
ILMN_1807919	TNS1	6.49E-04	-0.29
ILMN_1716596	NSMAF	6.49E-04	-0.46
ILMN_1686152	GGA2	6.50E-04	-0.43
ILMN_2055156	PAG1	6.50E-04	-0.30
ILMN_1796409	C1QB	6.50E-04	0.40
ILMN_1671891	PID1	6.50E-04	-0.22
ILMN_2365465	XBP1	6.51E-04	0.49
ILMN_1663399	TIMP4	6.51E-04	0.39
ILMN_1720235	ADSSL1	6.52E-04	-0.20
ILMN_1754660	ZCCHC24	6.52E-04	-0.28
ILMN_1730159	TIFAB	6.52E-04	0.40
ILMN_1660359	LOC654126	6.52E-04	0.21
ILMN_2342240	MGAT2	6.52E-04	0.36
ILMN_1667319	LPPR2	6.52E-04	-0.21
ILMN_1743299	PXMP3	6.52E-04	-0.46
ILMN_1656415	CDKN2C	6.53E-04	-0.14
ILMN_1786041	ASB9	6.55E-04	-0.28
ILMN_2325347	B3GALNT1	6.57E-04	0.51
ILMN_1721035	MS4A6A	6.57E-04	0.70
ILMN_3278070	LOC100131336	6.59E-04	0.41
ILMN_1782635	YARS2	6.64E-04	0.39
ILMN_2410262	MTMR14	6.68E-04	0.40
ILMN_1747630	DEK	6.68E-04	0.39
ILMN_1660549	GPR177	6.69E-04	-0.43
ILMN_1720998	CA12	6.71E-04	-0.40
ILMN_2070375	GPR82	6.71E-04	-0.30
ILMN_1844692	FOXO3	6.73E-04	-0.49
ILMN_1689842	SC4MOL	6.76E-04	-0.38
ILMN_1703305	TWF2	6.79E-04	0.47
ILMN_2380588	C6orf108	6.81E-04	0.43
ILMN_3235221	LOC644936	6.83E-04	0.58
ILMN_2386008	MPZL1	6.85E-04	-0.33

ILMN_1787595	B3GALNT1	6.87E-04	0.29
ILMN_2095660	TMEM156	6.87E-04	-0.35
ILMN_2329914	SPRY1	6.88E-04	-0.42
ILMN_1699631	GATS	6.92E-04	-0.20
ILMN_1768973	HIST2H2AC	6.92E-04	-0.42
ILMN_1729915	PILRA	6.93E-04	-0.42
ILMN_1798459	PPAN	6.94E-04	0.21
ILMN_1746378	GHDC	6.95E-04	-0.35
ILMN_1659984	MEP1A	6.95E-04	-0.35
ILMN_1728698	GDE1	6.95E-04	-0.36
ILMN_1680856	MAMLD1	6.96E-04	-0.29
ILMN_3225471	LOC728650	6.96E-04	-0.35
ILMN_1733811	JUP	6.97E-04	-0.53
ILMN_1679826	CST7	6.97E-04	0.63
ILMN_1703074	CPD	7.03E-04	-0.54
ILMN_1707286	FLJ22662	7.03E-04	-0.41
ILMN_1793724	C3orf31	7.03E-04	0.33
ILMN_1653871	NAMPT	7.06E-04	-0.38
ILMN_2115011	FGD2	7.18E-04	0.32
ILMN_1742379	IFT122	7.28E-04	-0.41
ILMN_2367165	ABTB1	7.28E-04	-0.21
ILMN_2307740	CD46	7.29E-04	-0.43
ILMN_1776905	FAM23B	7.30E-04	0.31
ILMN_1699585	BHLHE22	7.32E-04	0.13
ILMN_1810729	UBL3	7.33E-04	0.43
ILMN_3213568	LOC402112	7.34E-04	0.39
ILMN_3239060	KRBA1	7.37E-04	-0.34
ILMN_1798957	C12orf47	7.42E-04	-0.43
ILMN_1700081	FST	7.42E-04	0.30
ILMN_2220187	GFPT1	7.46E-04	0.50
ILMN_1775703	TRAPPC6A	7.47E-04	-0.39
ILMN_1782095	C20orf55	7.48E-04	-0.33
ILMN_1720083	EHD4	7.48E-04	0.47
ILMN_1672042	DOLPP1	7.57E-04	0.29
ILMN_1696302	FABP5	7.57E-04	0.56
ILMN_1708619	SEH1L	7.59E-04	0.26
ILMN_1651315	HMG20B	7.59E-04	0.42
ILMN_1739576	CYB5R2	7.66E-04	-0.44
ILMN_1656920	CRIP1	7.71E-04	0.57
ILMN_1766405	GOLM1	7.74E-04	0.27
ILMN_1759513	RND3	7.75E-04	-0.40
ILMN_1703408	FZD3	7.80E-04	0.16
ILMN_3307858	STIM2	7.80E-04	0.32
ILMN_2189993	MRPS35	7.82E-04	0.41
ILMN_1683146	FTH1	7.82E-04	-0.37
ILMN_1705297	MYBPH	7.82E-04	-0.42

ILMN_3215712	LOC100131609	7.83E-04	0.55
ILMN_3240316	TMSL3	7.83E-04	-0.37
ILMN_1737705	UHRF1BP1L	7.84E-04	0.32
ILMN_1809695	CAMK2G	7.89E-04	-0.31
ILMN_2259818	MFI2	7.96E-04	0.29
ILMN_1726809	BHLHB3	7.96E-04	-0.43
ILMN_1790228	FURIN	7.97E-04	0.29
ILMN_2284744	HNMT	8.02E-04	-0.36
ILMN_1677843	RAB24	8.02E-04	-0.42
ILMN_1658327	BAZ1A	8.02E-04	0.28
ILMN_2355033	KIAA1147	8.03E-04	-0.50
ILMN_1707585	SLC46A2	8.04E-04	-0.45
ILMN_1731113	ZBTB43	8.06E-04	0.32
ILMN_1765641	SEMA3A	8.06E-04	-0.26
ILMN_1689329	SCD	8.08E-04	-0.53
ILMN_1782488	RNASEH2B	8.11E-04	-0.34
ILMN_1763036	CLCN6	8.11E-04	-0.29
ILMN_1723632	PIGC	8.16E-04	-0.40
ILMN_2133316	GIMAP7	8.16E-04	-0.22
ILMN_1796235	CIRH1A	8.16E-04	0.36
ILMN_1805800	RAB5A	8.18E-04	0.39
ILMN_1803686	ADA	8.20E-04	-0.39
ILMN_1700378	ZWILCH	8.22E-04	0.19
ILMN_1687410	OSBPL11	8.22E-04	-0.33
ILMN_1768958	RASGRP1	8.22E-04	0.20
ILMN_2319077	FAS	8.25E-04	0.35
ILMN_1762899	EGR1	8.26E-04	0.39
ILMN_3234997	MAP7D1	8.34E-04	0.36
ILMN_2164978	PDP2	8.37E-04	0.19
ILMN_1727098	PPP1R16B	8.38E-04	0.29
ILMN_1703263	SP140	8.42E-04	-0.32
ILMN_1663080	LFNG	8.53E-04	-0.42
ILMN_1750518	THOC4	8.55E-04	0.36
ILMN_1771286	LOC653513	8.55E-04	-0.51
ILMN_1680390	GCNT2	8.56E-04	-0.26
ILMN_1741564	DCTN4	8.59E-04	-0.30
ILMN_1651950	TPST1	8.61E-04	-0.39
ILMN_1779095	CEBPE	8.62E-04	-0.18
ILMN_1741506	LOC149134	8.62E-04	-0.28
ILMN_1710756	ENO1	8.63E-04	0.36
ILMN_2388177	SPATA7	8.65E-04	-0.23
ILMN_1710092	ZBTB46	8.75E-04	0.32
ILMN_2329679	TPST2	8.78E-04	-0.43
ILMN_1764788	TNFRSF1B	8.82E-04	-0.45
ILMN_1784608	CLEC2B	8.82E-04	-0.31
ILMN_1729237	CYB5R1	8.82E-04	-0.41

ILMN_2327947	SLC25A25	8.82E-04	0.22
ILMN_1798395	PIGH	8.86E-04	0.31
ILMN_1711493	PRAM1	8.86E-04	-0.48
ILMN_1713867	PMFBP1	8.86E-04	-0.32
ILMN_1738816	FOXO1	8.86E-04	0.25
ILMN_1769229	BCL2A1	8.89E-04	-0.44
ILMN_1767542	THAP10	8.96E-04	-0.22
ILMN_1804863	FKBP15	8.96E-04	-0.39
ILMN_1654685	MCTP1	8.96E-04	-0.37
ILMN_1798659	CCDC28A	9.03E-04	-0.37
ILMN_1689097	NAT5	9.03E-04	0.40
ILMN_2406532	F11R	9.03E-04	-0.30
ILMN_1706217	TLR4	9.04E-04	-0.35
ILMN_1716272	KBTBD8	9.05E-04	0.34
ILMN_2415170	VPS8	9.05E-04	-0.30
ILMN_1806867	PPM1G	9.06E-04	0.40
ILMN_1881081		9.06E-04	-0.32
ILMN_1706498	DSE	9.13E-04	0.38
ILMN_2072101	C4orf49	9.17E-04	-0.15
ILMN_1711611	LOC653907	9.21E-04	0.23
ILMN_1860638		9.26E-04	-0.36
ILMN_1680339	PDGFRL	9.31E-04	0.38
ILMN_1652787	PIK3AP1	9.31E-04	-0.43
ILMN_2289593	FXVD2	9.36E-04	-0.32
ILMN_1786189	MKI67IP	9.37E-04	0.38
ILMN_1724474	CARD16	9.37E-04	-0.18
ILMN_3210914	LOC344887	9.39E-04	-0.25
ILMN_1732074	LOC648210	9.40E-04	0.50
ILMN_1716547	NAGK	9.40E-04	-0.41
ILMN_1809931	NDRG1	9.51E-04	-0.52
ILMN_2326953	LAT2	9.54E-04	-0.39
ILMN_2366388	PRDX1	9.55E-04	-0.49
ILMN_1761463	EFHD2	9.56E-04	0.38
ILMN_1656574	PCGF6	9.62E-04	0.31
ILMN_1683664	LOC650369	9.63E-04	0.45
ILMN_1685661	RRP15	9.67E-04	0.29
ILMN_2160764	HBP1	9.68E-04	-0.36
ILMN_1813911	HEXA	9.77E-04	-0.22
ILMN_1668417	WASPIP	9.85E-04	-0.35
ILMN_1658437	SFXN4	9.91E-04	0.36
ILMN_2367753	ATP2B4	9.94E-04	-0.27
ILMN_1797735	C1orf21	9.94E-04	-0.14
ILMN_1746968	PHF1	9.95E-04	-0.27
ILMN_2376416	UBXN11	9.96E-04	-0.26
ILMN_1901616		9.97E-04	-0.30
ILMN_1695432	TPST2	9.98E-04	-0.43

ILMN_2162860	SLFN11	9.99E-04	-0.43
ILMN_1727862	HPS4	9.99E-04	-0.17
ILMN_1755643	MGAT4A	9.99E-04	-0.43
ILMN_1672356	ANKRD13D	1.00E-03	-0.24
ILMN_1751708	ITM2B	1.00E-03	-0.47
ILMN_1678054	TRIM21	1.01E-03	-0.42
ILMN_1664978	TJP2	1.01E-03	0.40
ILMN_1707434	LOC653778	1.02E-03	-0.28
ILMN_1733675	MPP1	1.02E-03	-0.56
ILMN_1782922	PDE4B	1.02E-03	-0.18
ILMN_1807016	LHX2	1.03E-03	0.33
ILMN_2297765	KCNMA1	1.03E-03	-0.59
ILMN_2148469	RASL11B	1.03E-03	-0.55
ILMN_2342638	ASGR2	1.04E-03	0.20
ILMN_1743032	CTSS	1.04E-03	-0.44
ILMN_2185845	BRSK1	1.04E-03	-0.46
ILMN_1777061	ZSWIM6	1.04E-03	-0.46
ILMN_1737396	PSMD14	1.04E-03	0.36
ILMN_1673543	PGM2	1.04E-03	0.32
ILMN_1716876	MED27	1.05E-03	0.33
ILMN_2142117	LYPLAL1	1.05E-03	-0.39
ILMN_1682675	TWF1	1.06E-03	0.19
ILMN_2329927	ABCG1	1.06E-03	-0.27
ILMN_1709590	PGM5	1.06E-03	-0.35
ILMN_1654340	UGP2	1.06E-03	0.20
ILMN_1713813	LOC400578	1.06E-03	0.36
ILMN_1679725	PCYOX1	1.06E-03	-0.31
ILMN_2200153	GAPDHS	1.06E-03	0.14
ILMN_1736015	PHF17	1.07E-03	0.27
ILMN_1738736	SNX4	1.07E-03	0.33
ILMN_1768260	GAS6	1.08E-03	0.12
ILMN_1758778	CEP110	1.08E-03	-0.26
ILMN_1808405	HLA-DQA1	1.08E-03	0.64
ILMN_1702899	PLEKHA7	1.08E-03	-0.22
ILMN_1675258	LOC441268	1.09E-03	-0.30
ILMN_1675674	UBE4B	1.09E-03	-0.26
ILMN_1723235	DUS3L	1.09E-03	0.25
ILMN_1789944	PGAM5	1.10E-03	0.24
ILMN_1765122	MAP3K2	1.11E-03	-0.33
ILMN_1764396	HDAC4	1.12E-03	-0.27
ILMN_1788160	KIF5B	1.12E-03	0.38
ILMN_2192693	EIF3M	1.12E-03	0.37
ILMN_1752355	MPEG1	1.13E-03	-0.22
ILMN_2411915	ATG4B	1.13E-03	0.34
ILMN_2399769	GPR177	1.13E-03	-0.40
ILMN_1687721	PROC	1.13E-03	-0.17

ILMN_2386973	PKP2	1.13E-03	0.18
ILMN_1661266	HLA-DQB1	1.14E-03	0.35
ILMN_2399463	VAV3	1.14E-03	-0.40
ILMN_2204876	FLVCR2	1.15E-03	0.54
ILMN_2371724	CEACAM1	1.15E-03	-0.17
ILMN_2226304	ANKRD50	1.15E-03	-0.26
ILMN_1764769	VWA5A	1.15E-03	-0.39
ILMN_1709880	RPLP0	1.15E-03	0.40
ILMN_1682993	NKG7	1.15E-03	-0.29
ILMN_1794333	POU2F1	1.16E-03	-0.26
ILMN_1712128	LRRRC8B	1.16E-03	0.21
ILMN_1657810	PPM1M	1.16E-03	0.37
ILMN_1686454	TIFA	1.17E-03	0.18
ILMN_2155172	BRIX1	1.17E-03	0.31
ILMN_3278004	LOC100132652	1.17E-03	-0.26
ILMN_1676213	SRPX2	1.17E-03	-0.28
ILMN_3227023	SNHG7	1.17E-03	-0.31
ILMN_1771019	MTMR4	1.18E-03	-0.36
ILMN_1677239	CCDC14	1.18E-03	-0.34
ILMN_1693431	C13orf31	1.18E-03	-0.48
ILMN_3226012	LOC728698	1.18E-03	0.48
ILMN_1662086	GUCA1A	1.19E-03	1.04
ILMN_1791507	LOC728772	1.20E-03	0.27
ILMN_2229261	SIGLEC16	1.20E-03	-0.90
ILMN_1660063	POLE4	1.20E-03	-0.39
ILMN_1729374	ETFB	1.21E-03	0.43
ILMN_1765044	CUTC	1.21E-03	0.40
ILMN_1739756	KIR2DL4	1.21E-03	-0.34
ILMN_1737580	PPPDE2	1.21E-03	0.36
ILMN_3306482	LOC730107	1.22E-03	0.29
ILMN_1684054	ASAH1	1.23E-03	-0.47
ILMN_1713402	FAM160A2	1.23E-03	-0.21
ILMN_1656869	LGALS9B	1.24E-03	0.23
ILMN_3282587	LOC644914	1.24E-03	-0.37
ILMN_1680727	GLRX2	1.24E-03	0.45
ILMN_2271894	ZNF654	1.24E-03	0.27
ILMN_1757287	MAPK6	1.24E-03	0.37
ILMN_1713892	C4orf34	1.24E-03	-0.41
ILMN_1776515	MPPE1	1.24E-03	-0.34
ILMN_2047599	TMEM50B	1.24E-03	-0.33
ILMN_1810864	PMP22	1.24E-03	-0.46
ILMN_2050023	CCDC23	1.24E-03	-0.40
ILMN_2255133	BCL11A	1.25E-03	-0.36
ILMN_2400372	SULT1A2	1.25E-03	-0.31
ILMN_1681283	HIF1A	1.25E-03	-0.32
ILMN_1666208	C14orf106	1.25E-03	-0.33

ILMN_1743301	MSR1	1.26E-03	-0.46
ILMN_1790329	DDO	1.26E-03	0.16
ILMN_2387090	CGGBP1	1.26E-03	0.40
ILMN_3183139	LOC100130914	1.26E-03	-0.23
ILMN_1784651	NAGA	1.26E-03	0.26
ILMN_2220184	GFPT1	1.26E-03	0.42
ILMN_1654516	TMEM120A	1.27E-03	-0.32
ILMN_1796074	C18orf56	1.27E-03	-0.20
ILMN_2414027	CKLF	1.27E-03	0.44
ILMN_3235477	RRP1	1.27E-03	0.25
ILMN_3192001	CCL14	1.27E-03	0.23
ILMN_1655545	ZMYND12	1.27E-03	-0.28
ILMN_1779857	KLF4	1.28E-03	0.22
ILMN_1665964	GAB2	1.28E-03	0.34
ILMN_2210934	NR3C2	1.28E-03	-0.18
ILMN_1789196	TPM2	1.28E-03	0.42
ILMN_1729019	42254	1.29E-03	0.32
ILMN_1734276	PMEPA1	1.29E-03	-0.14
ILMN_3214389	LOC100133583	1.29E-03	0.60
ILMN_2059549	SYK	1.29E-03	-0.37
ILMN_1764364	FAM19A3	1.30E-03	0.29
ILMN_1772487	SFRS14	1.30E-03	0.26
ILMN_3286389	LOC728047	1.32E-03	-0.18
ILMN_1805658	LTV1	1.32E-03	0.38
ILMN_1724139	TMEM123	1.32E-03	0.43
ILMN_2047618	KCNE1	1.32E-03	0.29
ILMN_1727738	RAB33B	1.32E-03	-0.25
ILMN_1718718	MKKS	1.32E-03	0.34
ILMN_1732612	SHB	1.34E-03	0.24
ILMN_1709772	SNX5	1.34E-03	0.34
ILMN_2371147	BCL7C	1.35E-03	0.31
ILMN_1680246	MAT2B	1.35E-03	0.30
ILMN_1758418	TNFSF13B	1.35E-03	-0.44
ILMN_2362346	TRPV4	1.35E-03	-0.17
ILMN_1695414	ASF1B	1.36E-03	-0.20
ILMN_1808821	COMMD9	1.37E-03	-0.33
ILMN_1809417	LRFN4	1.37E-03	0.22
ILMN_2403994	RALY	1.37E-03	0.31
ILMN_1745112	FAM102A	1.37E-03	0.17
ILMN_1763852	ACACB	1.38E-03	-0.29
ILMN_2371055	EFNA1	1.38E-03	0.94
ILMN_1658526	RYK	1.38E-03	0.30
ILMN_1727309	FAM82A2	1.38E-03	-0.39
ILMN_3249477	CHIT1	1.39E-03	-0.46
ILMN_1814194	TCF4	1.39E-03	-0.37
ILMN_3260070	LOC100128266	1.40E-03	0.37

ILMN_2379130	IRAK1	1.41E-03	-0.41
ILMN_3234436	LOC100132528	1.41E-03	0.40
ILMN_1748476	NOP58	1.41E-03	0.40
ILMN_1707236	HCCS	1.41E-03	0.30
ILMN_3248786	LOC647588	1.41E-03	-0.32
ILMN_1757361	NCF4	1.42E-03	-0.23
ILMN_1857335		1.43E-03	-0.21
ILMN_1746846	TTLL4	1.43E-03	-0.26
ILMN_1691611	LOC645436	1.43E-03	0.36
ILMN_2113535	PCYOX1	1.43E-03	-0.32
ILMN_1694882	AMY2B	1.43E-03	-0.16
ILMN_1758806	C21orf2	1.43E-03	-0.26
ILMN_1797372	C3orf58	1.43E-03	-0.26
ILMN_2124471	SLC36A1	1.43E-03	-0.40
ILMN_1681310	MFSD7	1.43E-03	0.32
ILMN_1727532	OLFML3	1.43E-03	-0.45
ILMN_1680928	DNM3	1.43E-03	-0.19
ILMN_1779852	LOC387934	1.43E-03	0.55
ILMN_1716026	ARMCX6	1.43E-03	-0.29
ILMN_1769615	FLRT2	1.43E-03	-0.45
ILMN_1678629	DOCK7	1.43E-03	0.42
ILMN_2405797	REPS2	1.43E-03	-0.18
ILMN_1694810	PANX2	1.44E-03	0.28
ILMN_2404049	RBM38	1.45E-03	-0.28
ILMN_1670895	ZNF207	1.45E-03	0.37
ILMN_1788192	ARMCX1	1.47E-03	-0.40
ILMN_1730734	TMEM205	1.47E-03	-0.52
ILMN_1772224	KCNJ5	1.47E-03	-0.18
ILMN_2362581	FNDC3A	1.47E-03	-0.29
ILMN_1731928	LY9	1.47E-03	0.26
ILMN_2181445	BCL2L13	1.48E-03	-0.36
ILMN_1777296	ACTB	1.48E-03	0.45
ILMN_1680314	TXN	1.48E-03	0.54
ILMN_1654571	FCHO1	1.49E-03	0.28
ILMN_1811957	CAMSAP1	1.49E-03	0.31
ILMN_1778064	FICD	1.50E-03	0.28
ILMN_1692123	ELOVL3	1.50E-03	-0.20
ILMN_1676385	PAK2	1.50E-03	0.22
ILMN_2383305	GPATCH4	1.51E-03	0.28
ILMN_1761155	PABPC1	1.52E-03	0.35
ILMN_1773200	CP110	1.52E-03	-0.32
ILMN_1857915	LOC401397	1.52E-03	-0.38
ILMN_1671489	PC	1.53E-03	-0.31
ILMN_1719433	CD1D	1.53E-03	-0.31
ILMN_1864422		1.53E-03	-0.32
ILMN_1684585	ACSL1	1.55E-03	-0.48

ILMN_2320513	APBB3	1.56E-03	-0.26
ILMN_1664167	RPF2	1.56E-03	0.32
ILMN_1793025	OSAP	1.57E-03	-0.17
ILMN_1736327	CDC42EP3	1.57E-03	0.11
ILMN_1728059	LOC645236	1.57E-03	-0.31
ILMN_1714401	SNX27	1.57E-03	-0.49
ILMN_1662417	LRPPRC	1.57E-03	0.29
ILMN_1723520	CD1A	1.58E-03	0.33
ILMN_1811370	HSD11B1	1.59E-03	0.46
ILMN_2054392	PPIL1	1.59E-03	0.26
ILMN_1654735	SLCO3A1	1.59E-03	0.41
ILMN_1661537	LEPROT	1.59E-03	-0.36
ILMN_1718961	BNIP3L	1.59E-03	-0.36
ILMN_1713829	PTGES	1.59E-03	-0.70
ILMN_2356838	CEPT1	1.60E-03	0.42
ILMN_1744471	ZNF654	1.60E-03	0.38
ILMN_3254984	LOC100129759	1.60E-03	0.37
ILMN_1713964	BTBD3	1.60E-03	0.27
ILMN_1699737	TRAP1	1.61E-03	0.30
ILMN_3228688	LOC730415	1.61E-03	0.39
ILMN_1690566	RASSF4	1.61E-03	-0.33
ILMN_1724407	TACC3	1.62E-03	-0.29
ILMN_1718932	MTRR	1.62E-03	0.34
ILMN_1757867	MTM	1.62E-03	-0.19
ILMN_1730176	ITGAX	1.63E-03	0.23
ILMN_1701111	RP5-1022P6.2	1.63E-03	-0.33
ILMN_1666597	PI4KB	1.63E-03	-0.31
ILMN_1659075	HLA-DOA	1.63E-03	0.21
ILMN_1705032	SEH1L	1.63E-03	0.21
ILMN_2374687	PTPN13	1.63E-03	0.23
ILMN_1804955	CTSF	1.63E-03	-0.24
ILMN_1724686	CLDN1	1.64E-03	0.16
ILMN_1669940	TMEM38B	1.64E-03	-0.37
ILMN_2374683	PTPN13	1.64E-03	0.19
ILMN_2384544	ADAM15	1.65E-03	0.29
ILMN_1695576	MRPL24	1.65E-03	0.37
ILMN_1770245	EPB41L5	1.65E-03	-0.31
ILMN_1743397	PIGW	1.65E-03	0.24
ILMN_2222880	SLC25A42	1.66E-03	-0.23
ILMN_2173451	GPI	1.66E-03	0.34
ILMN_3242603	GTF2H2B	1.66E-03	0.35
ILMN_1785158	HERPUD2	1.67E-03	0.35
ILMN_1771664	CLEC4E	1.67E-03	-0.30
ILMN_1722900	EIF4A1	1.67E-03	0.38
ILMN_3307025	ZDHHC4	1.67E-03	-0.34
ILMN_1712413	RPL39L	1.68E-03	-0.29

ILMN_1767747	HDAC2	1.68E-03	0.38
ILMN_1757384	RAN	1.69E-03	0.39
ILMN_1672738	LOC283340	1.69E-03	-0.23
ILMN_3193306	C14orf109	1.69E-03	-0.39
ILMN_2351298	WIPF1	1.69E-03	-0.37
ILMN_1680757	LRRC26	1.70E-03	-0.17
ILMN_2352009	ACADVL	1.70E-03	0.39
ILMN_3269405	HNRNPM	1.70E-03	0.42
ILMN_1761969	DERL2	1.71E-03	-0.37
ILMN_1701375	FBXW5	1.72E-03	-0.29
ILMN_1685703	ACOX2	1.72E-03	0.49
ILMN_1787923	PNPLA2	1.72E-03	-0.31
ILMN_1675462	LSM6	1.73E-03	-0.28
ILMN_1762260	C3	1.73E-03	-0.28
ILMN_1802808	LOC654103	1.73E-03	-0.29
ILMN_1813701	RASAL2	1.74E-03	0.29
ILMN_1697802	LOC654244	1.74E-03	0.31
ILMN_3275590	LOC647302	1.75E-03	-0.38
ILMN_2404625	LAT	1.75E-03	-0.38
ILMN_2045419	BNIP3L	1.75E-03	-0.34
ILMN_2209551	SIGLECP3	1.76E-03	0.12
ILMN_1681252	C17orf44	1.78E-03	-0.40
ILMN_1659257	TNFRSF8	1.78E-03	-0.24
ILMN_2157441	HLA-DRA	1.78E-03	0.43
ILMN_1682717	IER3	1.79E-03	-0.36
ILMN_1711608	SSBP2	1.80E-03	0.33
ILMN_2046730	S100A10	1.81E-03	-0.37
ILMN_2058251	VIM	1.83E-03	0.39
ILMN_1783247	C10orf11	1.83E-03	-0.31
ILMN_1670028	LPIN2	1.83E-03	-0.33
ILMN_1654287	ADCY9	1.83E-03	0.20
ILMN_3299407	LOC728553	1.83E-03	0.43
ILMN_2374164	HERPUD1	1.83E-03	-0.40
ILMN_1753265	C12orf76	1.84E-03	0.29
ILMN_1764383	MCOLN1	1.84E-03	0.34
ILMN_1780769	TUBB2C	1.84E-03	0.37
ILMN_1660315	SPN	1.84E-03	0.19
ILMN_1784785	COPS7B	1.85E-03	0.36
ILMN_1803856	DKFZP586I1420	1.86E-03	-0.34
ILMN_1745110	LAPTM4A	1.86E-03	-0.33
ILMN_1717809	RNF24	1.86E-03	0.30
ILMN_1712718	BPNT1	1.88E-03	0.26
ILMN_1718712	C20orf177	1.88E-03	-0.31
ILMN_1715616	PPIL5	1.88E-03	0.24
ILMN_1808508	KITLG	1.88E-03	-0.41
ILMN_1691731	PARP14	1.89E-03	-0.35

ILMN_2120695	TSPAN7	1.89E-03	0.24
ILMN_1811330	FAM134B	1.89E-03	-0.23
ILMN_1737964	HIATL1	1.89E-03	0.40
ILMN_1782247	KAT2A	1.89E-03	0.33
ILMN_1698533	IDH3A	1.90E-03	0.30
ILMN_1821176		1.91E-03	-0.44
ILMN_1709026	C6orf145	1.92E-03	0.18
ILMN_3181695	LOC100130178	1.92E-03	-0.32
ILMN_1793474	INSIG1	1.92E-03	-0.49
ILMN_1737644	TMEM219	1.92E-03	-0.35
ILMN_2131880	DPY30	1.93E-03	-0.35
ILMN_2074748	HAL	1.93E-03	-0.13
ILMN_3269537	LOC100130562	1.93E-03	0.30
ILMN_1651819	GALNT11	1.95E-03	-0.33
ILMN_1662973	CD82	1.95E-03	-0.29
ILMN_2253732	ST8SIA4	1.95E-03	-0.36
ILMN_1675542	LOC729148	1.96E-03	-0.38
ILMN_1659914	C9orf98	1.96E-03	-0.29
ILMN_1746252	LOC391811	1.96E-03	0.43
ILMN_1658110	C18orf19	1.96E-03	0.19
ILMN_2072598	LOC401357	1.97E-03	-0.25
ILMN_3236367	IFFO2	1.98E-03	0.15
ILMN_3225505	LOC728553	1.98E-03	0.36
ILMN_1738742	PLAT	1.98E-03	0.24
ILMN_1733390	LARP1B	1.99E-03	0.28
ILMN_3244434	ARAP2	1.99E-03	0.32
ILMN_1798249	AK3L1	1.99E-03	0.23
ILMN_3243928	DDX60L	1.99E-03	-0.31
ILMN_1674285	LOC401233	2.01E-03	-0.40
ILMN_1693338	CYP1B1	2.01E-03	-0.38
ILMN_1651710	IQCD	2.01E-03	-0.12
ILMN_2215640	TUBA3D	2.01E-03	0.27
ILMN_1757702	LOC647673	2.02E-03	-0.33
ILMN_1809607	PPIF	2.02E-03	-0.18
ILMN_1843198		2.02E-03	0.35
ILMN_1704286	FXVD5	2.02E-03	-0.35
ILMN_1701643	GDPD5	2.02E-03	0.16
ILMN_3249501	ZNF697	2.02E-03	0.28
ILMN_1686750	MGEA5	2.02E-03	-0.33
ILMN_1766176	RAP1A	2.02E-03	0.25
ILMN_1744534	LYRM5	2.02E-03	-0.33
ILMN_2363361	SFXN4	2.02E-03	0.31
ILMN_1674706	MTHFD2	2.03E-03	0.46
ILMN_3247645	LOC550643	2.03E-03	-0.34
ILMN_2293758	AKAP11	2.04E-03	0.31
ILMN_2225537	PTGR1	2.04E-03	-0.50

ILMN_3190833	CCRL2	2.04E-03	0.33
ILMN_1770466	ATP5G3	2.04E-03	0.21
ILMN_1785821	TTRAP	2.04E-03	-0.42
ILMN_3282768	LOC644879	2.04E-03	0.20
ILMN_3276990	LOC389141	2.04E-03	0.40
ILMN_1794260	FBXL10	2.05E-03	0.36
ILMN_1675844	WDR1	2.05E-03	0.36
ILMN_1721629	ZNF654	2.05E-03	0.28
ILMN_1659017	C11orf74	2.05E-03	-0.30
ILMN_1784287	TGFBR3	2.05E-03	0.32
ILMN_2338038	AK3L1	2.05E-03	0.32
ILMN_1655191	CASZ1	2.05E-03	0.23
ILMN_2323172	CSF3R	2.06E-03	-0.16
ILMN_3310491	MIR1978	2.06E-03	-0.48
ILMN_3296923	LOC341784	2.07E-03	0.25
ILMN_1803745	SUOX	2.07E-03	0.39
ILMN_1674046	C10orf128	2.07E-03	0.38
ILMN_1738468	KEL	2.07E-03	-0.21
ILMN_1777526	MED20	2.08E-03	-0.36
ILMN_1765684	C19orf70	2.09E-03	0.31
ILMN_1694400	MSR1	2.09E-03	-0.41
ILMN_1718734	MLLT6	2.10E-03	0.36
ILMN_1786658	BOLA3	2.10E-03	0.44
ILMN_2296036	PTPN2	2.10E-03	0.25
ILMN_2413158	PODXL	2.10E-03	0.25
ILMN_1752965	GREM1	2.12E-03	0.34
ILMN_1771987	SLC44A2	2.14E-03	-0.36
ILMN_2324056	GNL3	2.14E-03	0.36
ILMN_3251445	MED27	2.14E-03	0.24
ILMN_1729217	FAM131A	2.14E-03	0.44
ILMN_3243351	LOC646214	2.16E-03	0.36
ILMN_1707137	C17orf97	2.16E-03	0.32
ILMN_2316878	PTPRO	2.17E-03	0.32
ILMN_2175894	HNRPR	2.17E-03	0.34
ILMN_1765876	ARHGAP24	2.17E-03	-0.19
ILMN_1718336	C7orf50	2.18E-03	0.36
ILMN_1653180	TPM4	2.18E-03	0.31
ILMN_1672295	ZC3H12A	2.18E-03	0.23
ILMN_1730986	MALT1	2.18E-03	0.31
ILMN_1808047	PHC2	2.19E-03	-0.28
ILMN_2335813	GCH1	2.19E-03	-0.19
ILMN_2066066	HLA-DRB6	2.19E-03	0.33
ILMN_1739605	LYPD3	2.19E-03	0.35
ILMN_1668996	C1QBP	2.20E-03	0.34
ILMN_1656293	GOSR2	2.20E-03	0.26
ILMN_2139100	SHISA5	2.20E-03	-0.41

ILMN_1737484	RTN4R	2.20E-03	0.31
ILMN_1811632	FMO5	2.20E-03	-0.19
ILMN_1760858	RAB8A	2.20E-03	0.41
ILMN_1774287	CFB	2.21E-03	-0.40
ILMN_3284114	LOC399748	2.21E-03	0.39
ILMN_3238274	BTBD2	2.21E-03	-0.37
ILMN_1716564	INTU	2.22E-03	-0.17
ILMN_1739815	NLRP12	2.22E-03	-0.11
ILMN_2367384	EPHB2	2.23E-03	-0.23
ILMN_1731612	UCHL5	2.23E-03	0.26
ILMN_3305949	LOC730246	2.24E-03	0.43
ILMN_2392274	CD82	2.24E-03	-0.36
ILMN_1796063	TRIM44	2.24E-03	-0.35
ILMN_1685012	EAF1	2.24E-03	-0.33
ILMN_1659437	TXNDC17	2.24E-03	0.35
ILMN_2347068	MKNK2	2.24E-03	-0.36
ILMN_1681644	BIRC3	2.25E-03	0.23
ILMN_1713397	NCCRP1	2.25E-03	0.87
ILMN_1697115	FLJ12355	2.26E-03	0.27
ILMN_1752478	DHRS3	2.26E-03	-0.35
ILMN_1729115	LOC651816	2.26E-03	0.31
ILMN_1658926	NOTCH3	2.26E-03	-0.31
ILMN_1769129	CCL19	2.26E-03	-0.33
ILMN_1732151	COL6A1	2.27E-03	0.30
ILMN_1742853	LOC652184	2.27E-03	0.31
ILMN_1659659	MAGEH1	2.27E-03	-0.21
ILMN_2263718	SPAG9	2.27E-03	0.48
ILMN_1727150	DHRS9	2.28E-03	-0.15
ILMN_2334350	BTBD3	2.28E-03	0.26
ILMN_1770293	KLF5	2.28E-03	0.13
ILMN_1813846	P2RX4	2.29E-03	-0.30
ILMN_1678671	KLHL24	2.29E-03	-0.35
ILMN_1651557	KDELC2	2.29E-03	0.23
ILMN_1718621	TSPAN32	2.29E-03	0.40
ILMN_1704380	INCA1	2.30E-03	0.16
ILMN_1699772	RRAGD	2.30E-03	0.36
ILMN_1716583	NME7	2.31E-03	-0.29
ILMN_1665148	LOC648249	2.31E-03	0.32
ILMN_1679383	AKIRIN1	2.31E-03	0.17
ILMN_1702534	CD244	2.31E-03	-0.20
ILMN_2349610	DPH3	2.31E-03	0.34
ILMN_1658992	DPM1	2.32E-03	0.37
ILMN_1751901	TMEM163	2.32E-03	-0.56
ILMN_1740505	SGMS1	2.32E-03	-0.26
ILMN_1680109	COL4A3BP	2.33E-03	-0.48
ILMN_1768814	KLHL6	2.33E-03	-0.36

ILMN_1690282	CRADD	2.33E-03	-0.29
ILMN_2094938	OMA1	2.33E-03	-0.21
ILMN_1776967	LRRRC50	2.34E-03	-0.28
ILMN_1723116	AMFR	2.35E-03	-0.31
ILMN_2203896	SMAD7	2.35E-03	0.33
ILMN_2357438	AURKA	2.36E-03	0.37
ILMN_3188124	LOC100130511	2.36E-03	0.46
ILMN_1805064	SCARNA9	2.37E-03	0.33
ILMN_1744949	RHOBTB3	2.37E-03	-0.26
ILMN_3251207	TMEM19	2.38E-03	-0.30
ILMN_2414533	ARMCX6	2.38E-03	-0.32
ILMN_1707720	SLC1A5	2.38E-03	0.41
ILMN_1716465	RBP7	2.39E-03	-0.22
ILMN_1815626	DHCR7	2.39E-03	-0.34
ILMN_1733997	SIRPB1	2.40E-03	-0.23
ILMN_2153485	NMNAT3	2.41E-03	0.30
ILMN_1789775	WDR74	2.41E-03	0.21
ILMN_2045729	WDR12	2.41E-03	0.29
ILMN_3192791	HNRNPM	2.41E-03	0.33
ILMN_3200830	LOC649553	2.42E-03	0.39
ILMN_2388547	EPSTI1	2.42E-03	-0.39
ILMN_1671427	FBXW4	2.42E-03	-0.28
ILMN_1745034	SLC11A2	2.42E-03	0.69
ILMN_3249473	LOC100133443	2.42E-03	-0.17
ILMN_2267787	HPS1	2.44E-03	0.31
ILMN_1768062	ADK	2.44E-03	0.18
ILMN_1675391	SLC24A4	2.44E-03	-0.19
ILMN_3294318	LOC644173	2.45E-03	-0.30
ILMN_1674522	HIGD1A	2.46E-03	0.39
ILMN_1749287	TLR6	2.46E-03	-0.20
ILMN_1743373	DLL1	2.46E-03	-0.28
ILMN_2306066	FUS	2.47E-03	0.17
ILMN_1777096	TDG	2.47E-03	0.36
ILMN_1771120	TMEM45B	2.47E-03	0.14
ILMN_1674402	TMEM71	2.47E-03	0.32
ILMN_1783598	CAB39L	2.48E-03	-0.32
ILMN_1754507	IRF4	2.48E-03	0.40
ILMN_2123743	FCER1G	2.48E-03	-0.34
ILMN_3229324	SGK1	2.48E-03	-0.36
ILMN_1760778	ENG	2.48E-03	-0.40
ILMN_1738992	MNDA	2.49E-03	-0.32
ILMN_1777378	COMM6	2.50E-03	-0.37
ILMN_1729453	TSPAN9	2.51E-03	-0.17
ILMN_1811933	SHMT1	2.51E-03	-0.45
ILMN_1706818	THADA	2.52E-03	-0.14
ILMN_1689585	C20orf194	2.52E-03	-0.27

ILMN_3300663	LOC728661	2.52E-03	-0.38
ILMN_1744628	FDX1L	2.52E-03	0.33
ILMN_1710216	AVEN	2.52E-03	0.27
ILMN_1793950	P704P	2.52E-03	0.30
ILMN_3221721	LOC728802	2.52E-03	-0.18
ILMN_1737314	BCL6	2.52E-03	0.44
ILMN_2346831	MGAT2	2.52E-03	0.38
ILMN_1756849	HIST1H2AE	2.53E-03	-0.17
ILMN_1772731	HAGH	2.53E-03	0.33
ILMN_1816342		2.54E-03	-0.30
ILMN_1816603		2.55E-03	-0.25
ILMN_1689456	ZBTB20	2.55E-03	-0.19
ILMN_1742789	LPXN	2.55E-03	-0.34
ILMN_3183620	LOC100128326	2.55E-03	-0.24
ILMN_1735231	ZSWIM4	2.55E-03	-0.26
ILMN_1708130	EHF	2.55E-03	0.34
ILMN_1676719	LOC644330	2.56E-03	0.30
ILMN_1673282	LAMP2	2.56E-03	-0.36
ILMN_1689274	NIPA1	2.56E-03	0.31
ILMN_3305993	LOC728602	2.56E-03	-0.35
ILMN_3246315	LOC100133697	2.56E-03	0.25
ILMN_2180352	DIP2B	2.57E-03	0.31
ILMN_1758939	RIPK2	2.57E-03	0.56
ILMN_2348268	IFFO1	2.58E-03	-0.42
ILMN_1655444	LOC728492	2.59E-03	0.40
ILMN_3239460	OAZ2	2.59E-03	-0.56
ILMN_2109708	ECGF1	2.59E-03	-0.37
ILMN_1758324	SLCO5A1	2.59E-03	0.14
ILMN_1809433	XBP1	2.59E-03	0.51
ILMN_1728047	AKR1A1	2.59E-03	-0.40
ILMN_2089977	FKBP9L	2.59E-03	-0.35
ILMN_1715885	PTPN22	2.59E-03	-0.27
ILMN_1660451	STARD13	2.59E-03	-0.30
ILMN_1778177	ZNF207	2.60E-03	0.37
ILMN_1658639	SLC46A3	2.60E-03	-0.41
ILMN_2248970	OAS2	2.61E-03	-0.28
ILMN_1803279	TMED5	2.62E-03	0.31
ILMN_2379718	RAB24	2.62E-03	-0.35
ILMN_1776327	LOC727820	2.62E-03	-0.20
ILMN_1740938	APOE	2.62E-03	-0.31
ILMN_1759933	MS4A6E	2.62E-03	0.30
ILMN_1766637	GLA	2.63E-03	-0.34
ILMN_1795666	SNX24	2.63E-03	-0.23
ILMN_1755405	FRAG1	2.64E-03	-0.37
ILMN_1718565	CDKN1C	2.64E-03	-0.21
ILMN_2101375	CCDC77	2.65E-03	-0.35

ILMN_1673252	AIMP2	2.65E-03	0.43
ILMN_1717477	PSD3	2.65E-03	0.38
ILMN_2363634	ADHFE1	2.66E-03	-0.17
ILMN_1807298	NR4A3	2.67E-03	0.18
ILMN_2156172	HK2	2.67E-03	-0.51
ILMN_1730491	FMNL2	2.67E-03	-0.32
ILMN_1705464	MRPL41	2.67E-03	0.31
ILMN_1712708	TRIM47	2.67E-03	0.32
ILMN_1761084	FNDC5	2.67E-03	0.21
ILMN_1796417	ASNS	2.67E-03	0.68
ILMN_1699854	GRIN3B	2.67E-03	0.17
ILMN_1775345	SFRS13B	2.67E-03	0.14
ILMN_2352121	NT5C3	2.67E-03	-0.44
ILMN_1764861	ISOC1	2.69E-03	0.29
ILMN_2353633	EMR2	2.69E-03	0.37
ILMN_1663160	ZNF337	2.70E-03	-0.21
ILMN_1752520	SLFN11	2.70E-03	-0.37
ILMN_1665291	NUB1	2.71E-03	0.39
ILMN_1766487	LRRC25	2.71E-03	-0.32
ILMN_2264205	ZBTB8A	2.71E-03	0.19
ILMN_2117904	ZNF22	2.72E-03	-0.32
ILMN_1759787	THBD	2.72E-03	0.17
ILMN_1718299	PDE6G	2.73E-03	0.19
ILMN_3308265	MIR302C	2.73E-03	-0.27
ILMN_1775743	BTG1	2.74E-03	-0.48
ILMN_2401701	PCGF6	2.74E-03	0.21
ILMN_1662896	BRWD2	2.75E-03	-0.33
ILMN_1717636	RGMA	2.76E-03	-0.19
ILMN_2157075	LRCH4	2.76E-03	-0.33
ILMN_1664233	LOC644590	2.76E-03	0.24
ILMN_1783771	UBE2Z	2.77E-03	0.25
ILMN_1735014	KLF6	2.77E-03	0.33
ILMN_3244014	LOC100131967	2.77E-03	-0.28
ILMN_1670353	RAD51AP1	2.77E-03	-0.38
ILMN_1753790	ZNF259	2.78E-03	0.23
ILMN_1782829	GLTSCR1	2.78E-03	0.28
ILMN_1749297	ACTL6A	2.78E-03	0.32
ILMN_1701731	AKR1B1	2.79E-03	-0.37
ILMN_1688098	TBC1D4	2.80E-03	0.35
ILMN_2394777	DTNA	2.81E-03	0.15
ILMN_1658962	LCP2	2.83E-03	-0.24
ILMN_1659923	GNAQ	2.83E-03	0.37
ILMN_1745885	POLR2F	2.83E-03	-0.34
ILMN_2365549	BRPF1	2.83E-03	0.33
ILMN_1758049	NFIA	2.84E-03	-0.13
ILMN_1706013	FTHL11	2.84E-03	-0.29

ILMN_1808500	CEP68	2.85E-03	0.19
ILMN_2349071	GPR64	2.85E-03	0.24
ILMN_1707710	SLC6A13	2.85E-03	-0.15
ILMN_1697817	PANX1	2.85E-03	-0.25
ILMN_1661799	HIGD1A	2.85E-03	0.42
ILMN_1717046	MOBKL2B	2.87E-03	0.22
ILMN_1719392	FH	2.87E-03	0.31
ILMN_2224833	ADIPOR2	2.87E-03	-0.34
ILMN_3248352	CCDC88C	2.90E-03	-0.23
ILMN_2269256	DNAJC12	2.91E-03	0.15
ILMN_1664756	KPNA4	2.91E-03	0.38
ILMN_2388155	CASP3	2.91E-03	0.39
ILMN_2082209	C20orf100	2.91E-03	-0.57
ILMN_1756506	CYorf15B	2.93E-03	-0.18
ILMN_3305447	LOC729898	2.93E-03	-0.17
ILMN_1783621	CMPK2	2.93E-03	-0.28
ILMN_2094952	NUAK2	2.94E-03	-0.19
ILMN_2392546	PAICS	2.95E-03	0.33
ILMN_3238048	LOC730324	2.95E-03	-0.23
ILMN_2145280	DEF6	2.95E-03	-0.35
ILMN_1726666	GPX3	2.95E-03	-0.59
ILMN_1773427	KANK1	2.95E-03	-0.26
ILMN_2189027	LIPG	2.96E-03	0.24
ILMN_1662970	ZP3	2.97E-03	-0.28
ILMN_1742798	SFRS10	2.97E-03	0.34
ILMN_1687958	SLC25A22	2.97E-03	0.24
ILMN_1719343	WDR26	2.97E-03	-0.33
ILMN_1761450	DHRS4L2	2.98E-03	-0.25
ILMN_2409062	ISCU	2.98E-03	-0.32
ILMN_1656826	SH3RF1	2.99E-03	-0.15
ILMN_1657682	GFM1	2.99E-03	0.32
ILMN_1675222	PLXND1	2.99E-03	-0.37
ILMN_1773470	ST5	2.99E-03	-0.26
ILMN_1756937	ST8SIA4	3.00E-03	-0.23
ILMN_2105033	PLDN	3.00E-03	0.39
ILMN_1755658	ABI3	3.01E-03	-0.34
ILMN_1762861	HLA-F	3.02E-03	-0.35
ILMN_3307926	ADRBK1	3.03E-03	-0.41
ILMN_1772646	LOC388681	3.03E-03	-0.30
ILMN_2383455	SUOX	3.06E-03	0.29
ILMN_1719649	TMEM63A	3.06E-03	-0.28
ILMN_1814044	CABIN1	3.06E-03	0.27
ILMN_1746864	PSCDBP	3.07E-03	-0.39
ILMN_1766261	SLC2A12	3.07E-03	-0.12
ILMN_2330861	SMC4	3.08E-03	-0.23
ILMN_1726554	IREB2	3.08E-03	0.26

ILMN_1652913	EZH2	3.09E-03	0.16
ILMN_1671250	CLIC4	3.09E-03	0.32
ILMN_3238213	KILLIN	3.09E-03	-0.40
ILMN_1781045	FXVD2	3.12E-03	-0.22
ILMN_1670079	OMA1	3.12E-03	-0.27
ILMN_1657515	RPS6KA5	3.13E-03	-0.17
ILMN_2169761	CPNE8	3.13E-03	-0.33
ILMN_1663042	SDC4	3.13E-03	0.34
ILMN_2124187	TSC22D2	3.14E-03	0.37
ILMN_1735347	MCEE	3.15E-03	-0.30
ILMN_1673455	RASAL2	3.15E-03	0.23
ILMN_1800276	RCN1	3.15E-03	0.34
ILMN_1732577	TMEM216	3.16E-03	-0.32
ILMN_1671257	DKC1	3.16E-03	0.30
ILMN_1752249	FAM38A	3.17E-03	0.35
ILMN_1842850		3.17E-03	0.44
ILMN_2117987	TFDP1	3.19E-03	-0.35
ILMN_1705594	NAT10	3.20E-03	0.31
ILMN_2092441	LRP12	3.21E-03	0.16
ILMN_1738883	RNF135	3.21E-03	-0.29
ILMN_1707339	BTG3	3.22E-03	0.30
ILMN_3216336	LOC285741	3.22E-03	-0.31
ILMN_1674983	LOC387841	3.23E-03	-0.38
ILMN_1791423	LOC401052	3.24E-03	-0.18
ILMN_1810953	LOC653496	3.25E-03	-0.24
ILMN_1814998	FKSG30	3.25E-03	0.47
ILMN_1775759	NRAS	3.25E-03	0.22
ILMN_2380771	AKR1A1	3.28E-03	-0.38
ILMN_1861091		3.28E-03	0.22
ILMN_1652580	POLD1	3.29E-03	0.26
ILMN_1790978	ATG7	3.30E-03	-0.38
ILMN_1793002	C20orf196	3.30E-03	-0.18
ILMN_1781085	BRDG1	3.32E-03	-0.20
ILMN_1726266	ADAM12	3.32E-03	0.39
ILMN_2349061	IRF7	3.32E-03	-0.22
ILMN_1784871	FASN	3.33E-03	-0.40
ILMN_1739032	TMEM70	3.35E-03	0.27
ILMN_3305938	SGK1	3.36E-03	-0.39
ILMN_1701006	HEXIM2	3.36E-03	-0.20
ILMN_3243291	LOC100133372	3.36E-03	0.40
ILMN_1680770	UBQLN2	3.36E-03	-0.34
ILMN_3275696	LOC100131940	3.36E-03	0.35
ILMN_1741356	PRICKLE1	3.37E-03	-0.16
ILMN_1684982	PDK4	3.38E-03	-0.43
ILMN_1715416	NUP188	3.38E-03	0.20
ILMN_1785177	DNAJC14	3.38E-03	-0.22

ILMN_1737426	PCMTD1	3.38E-03	-0.33
ILMN_1684402	STXBP5	3.38E-03	-0.25
ILMN_1669273	PPT1	3.40E-03	0.29
ILMN_1789364	ZNF789	3.41E-03	0.19
ILMN_1780036	WDR1	3.42E-03	0.32
ILMN_1797298	ARMC7	3.43E-03	-0.22
ILMN_1733155	GIT1	3.43E-03	0.25
ILMN_1761490	ZNF75D	3.43E-03	-0.30
ILMN_2388701	ST3GAL5	3.44E-03	0.37
ILMN_1799104	SPAG9	3.44E-03	0.41
ILMN_1785831	ZDHHC13	3.45E-03	0.18
ILMN_1677963	TMCC1	3.45E-03	-0.17
ILMN_1787628	NOP56	3.45E-03	0.33
ILMN_3248764	KIAA1908	3.45E-03	0.27
ILMN_2318725	EEF1B2	3.47E-03	0.37
ILMN_1813568	TRPV1	3.48E-03	0.12
ILMN_1675191	GAPT	3.50E-03	-0.96
ILMN_1656361	LOC201175	3.50E-03	0.26
ILMN_2207504	LEP	3.50E-03	-0.14
ILMN_1769388	GJB2	3.50E-03	-0.61
ILMN_2375418	DPH2	3.51E-03	0.29
ILMN_1814022	NR1H3	3.51E-03	-0.48
ILMN_2413527	VCL	3.52E-03	0.21
ILMN_1815445	IDS	3.55E-03	-0.27
ILMN_1760315	VWCE	3.55E-03	0.42
ILMN_1725981	LOC654189	3.55E-03	0.16
ILMN_2109197	EPB41L3	3.55E-03	-0.33
ILMN_1801584	CXCR4	3.57E-03	0.53
ILMN_1742521	GRB2	3.57E-03	-0.40
ILMN_2280135	P4HA2	3.57E-03	0.14
ILMN_1755303	ZNF217	3.58E-03	0.42
ILMN_1681067	PIK3R5	3.58E-03	0.18
ILMN_3293146	LOC642975	3.58E-03	-0.32
ILMN_1795778	P4HA2	3.59E-03	0.35
ILMN_2400030	PTPN2	3.60E-03	0.29
ILMN_2155228	CRLF3	3.60E-03	-0.37
ILMN_2205882	NSUN7	3.61E-03	-0.15
ILMN_1706342	ZNF746	3.61E-03	-0.29
ILMN_1743357	XPNPEP2	3.63E-03	0.13
ILMN_2108339	THUMPD1	3.64E-03	-0.29
ILMN_2262901	RUFY3	3.65E-03	0.34
ILMN_1806651	PARP8	3.65E-03	-0.25
ILMN_1695034	LOC642817	3.65E-03	0.37
ILMN_1685824	B4GALT5	3.66E-03	-0.42
ILMN_1672080	NR2F6	3.66E-03	0.20
ILMN_1735955	LOC644033	3.67E-03	-0.32

ILMN_2372082	SNRPN	3.67E-03	-0.34
ILMN_1694479	WDR18	3.67E-03	0.29
ILMN_1676358	RALB	3.67E-03	0.40
ILMN_1704713	CSNK1G1	3.69E-03	0.40
ILMN_1793729	C15orf39	3.70E-03	-0.24
ILMN_1727740	SYNCRIP	3.71E-03	0.32
ILMN_1753111	NAMPT	3.72E-03	-0.31
ILMN_2229839	RAP2B	3.75E-03	-0.14
ILMN_1656670	HLA-G	3.76E-03	-0.36
ILMN_3243471	CNPY2	3.77E-03	-0.33
ILMN_1679912	DPH3	3.78E-03	0.30
ILMN_2381296	GSTZ1	3.79E-03	-0.26
ILMN_1671392	KCNF1	3.79E-03	-0.27
ILMN_2220283	HNRPA1L-2	3.80E-03	0.29
ILMN_2223350	C13orf1	3.82E-03	0.21
ILMN_2163819	KIF21B	3.83E-03	-0.15
ILMN_1668498	CWF19L2	3.83E-03	-0.25
ILMN_2105308	DPM1	3.83E-03	0.32
ILMN_1796712	S100A10	3.84E-03	-0.37
ILMN_1828584		3.84E-03	0.15
ILMN_1745499	UXT	3.84E-03	0.23
ILMN_1763688	C17orf49	3.87E-03	-0.28
ILMN_1735548	HIVEP1	3.89E-03	-0.19
ILMN_3248551	C2CD4B	3.90E-03	0.15
ILMN_1675501	SENP5	3.90E-03	0.25
ILMN_2402936	LOC440926	3.91E-03	-0.33
ILMN_2115752	MEFV	3.92E-03	-0.24
ILMN_1705737	IMPDH2	3.94E-03	0.32
ILMN_1742230	BAZ1A	3.95E-03	0.34
ILMN_1802706	IDH3G	3.95E-03	0.27
ILMN_2198185	CXorf12	3.95E-03	-0.31
ILMN_2079386	RPL22	3.95E-03	0.35
ILMN_1675656	PPFIBP2	3.98E-03	0.34
ILMN_1708709	KIAA1211	3.98E-03	0.14
ILMN_1723962	LXN	3.99E-03	-0.35
ILMN_1692938	PSAT1	3.99E-03	0.71
ILMN_1774836	PLOD3	3.99E-03	0.31
ILMN_1659047	HIST2H2AA3	4.00E-03	-0.40
ILMN_2152429	C12orf76	4.00E-03	0.41
ILMN_2272967	TRAPPC6B	4.00E-03	0.19
ILMN_2144574	CTBS	4.01E-03	-0.31
ILMN_2046896	ESRRAP2	4.02E-03	0.29
ILMN_2279635	EIF4G2	4.03E-03	0.31
ILMN_1693830	LACTB	4.03E-03	0.24
ILMN_1712347	LOC644422	4.05E-03	0.35
ILMN_1752333	SLC35E1	4.05E-03	0.25

ILMN_1667232	KIR2DL3	4.06E-03	-0.31
ILMN_1705107	SDCBP2	4.06E-03	0.11
ILMN_1673138	ZBTB33	4.06E-03	0.30
ILMN_1757604	TPM2	4.06E-03	0.28
ILMN_1785732	TNFAIP6	4.08E-03	-0.69
ILMN_3220934	NCRNA00152	4.09E-03	0.22
ILMN_2364376	ILK	4.09E-03	-0.31
ILMN_1653324	IL22RA2	4.10E-03	0.12
ILMN_1786176	CD37	4.11E-03	-0.34
ILMN_1669210	SNORD16	4.15E-03	0.16
ILMN_1670302	HK3	4.16E-03	-0.41
ILMN_1683755	SOX13	4.17E-03	-0.29
ILMN_1665823	LOC389787	4.17E-03	-0.38
ILMN_1665483	KIAA0020	4.18E-03	0.37
ILMN_1701854	GNG5	4.18E-03	0.30
ILMN_3246910	LOC100190986	4.18E-03	0.30
ILMN_1810085	ABCF3	4.18E-03	0.20
ILMN_1683747	CD276	4.18E-03	0.25
ILMN_1702835	SH3BGR1	4.18E-03	-0.37
ILMN_3227811	LOC729423	4.20E-03	0.25
ILMN_2044085	RQCD1	4.20E-03	0.33
ILMN_2311537	HMGA1	4.20E-03	0.25
ILMN_1652378	IPO7	4.21E-03	0.21
ILMN_2229242	LSM3	4.21E-03	-0.32
ILMN_1786444	LPL	4.21E-03	0.38
ILMN_1721136	H6PD	4.21E-03	0.28
ILMN_1878029		4.22E-03	-0.21
ILMN_1675803	LOC285550	4.22E-03	-0.24
ILMN_2136971	FABP3	4.22E-03	0.28
ILMN_1715947	LOC648210	4.23E-03	0.45
ILMN_2156982	IMP4	4.25E-03	0.36
ILMN_2180677	ARMCX1	4.27E-03	-0.38
ILMN_1661109	ATF3	4.27E-03	0.79
ILMN_1660844	INTS4	4.27E-03	-0.27
ILMN_1761912	MGAT1	4.27E-03	0.32
ILMN_1774062	SLC25A5	4.28E-03	0.32
ILMN_1715879	CRYBB1	4.29E-03	-0.15
ILMN_1756578	CHRNA6	4.31E-03	-0.12
ILMN_1794825	ALDH3A2	4.31E-03	-0.35
ILMN_2113333	LGALS9B	4.31E-03	0.25
ILMN_1794165	PGD	4.31E-03	-0.32
ILMN_1784532	COL22A1	4.33E-03	0.46
ILMN_1769926	DBN1	4.34E-03	0.30
ILMN_2278433	LOC285074	4.34E-03	-0.28
ILMN_2191929	C9orf6	4.34E-03	-0.26
ILMN_2072603	MRPL14	4.34E-03	0.31

ILMN_1789011	SYNGR2	4.34E-03	0.19
ILMN_1674385	YWHAQ	4.34E-03	0.33
ILMN_1700306	OCIAD2	4.34E-03	-0.27
ILMN_1806408	ACADVL	4.34E-03	0.36
ILMN_2393461	DDO	4.35E-03	0.15
ILMN_1854833		4.37E-03	-0.29
ILMN_1810584	IL1R1	4.37E-03	0.27
ILMN_1653292	PFKFB4	4.42E-03	0.39
ILMN_1804328	WWP1	4.42E-03	-0.29
ILMN_1780058	DEGS1	4.42E-03	-0.35
ILMN_1685625	UCP2	4.44E-03	0.44
ILMN_2367215	PRCP	4.45E-03	-0.33
ILMN_1697594	ANKRD28	4.45E-03	-0.15
ILMN_3297996	LOC728732	4.45E-03	0.36
ILMN_1782741	CD300LB	4.46E-03	0.32
ILMN_1655117	WDR19	4.46E-03	-0.27
ILMN_1756501	ST6GAL1	4.46E-03	0.32
ILMN_1691264	NAT8B	4.46E-03	-0.35
ILMN_1687724	RAP1GDS1	4.46E-03	0.16
ILMN_2170353	PTPLB	4.47E-03	0.34
ILMN_1690586	HNRPA1P4	4.47E-03	0.35
ILMN_1762713	C19orf59	4.47E-03	-0.44
ILMN_1699015	H3F3A	4.48E-03	-0.38
ILMN_1786016	CHD1L	4.50E-03	0.47
ILMN_1656254	NOTCH2NL	4.50E-03	-0.31
ILMN_1807211	NICN1	4.52E-03	-0.31
ILMN_1717357	AIFM1	4.53E-03	0.25
ILMN_1775692	EIF4G3	4.53E-03	-0.28
ILMN_1700024	UST	4.53E-03	0.15
ILMN_1674593	SIGLEC11	4.54E-03	-0.20
ILMN_1759495	XPO5	4.54E-03	0.23
ILMN_1745385	HNRPM	4.57E-03	0.32
ILMN_2408543	PLAUR	4.57E-03	-0.56
ILMN_2352042	MRPL4	4.59E-03	0.22
ILMN_1746012	MBD6	4.59E-03	-0.27
ILMN_1714599	CAMLG	4.61E-03	-0.31
ILMN_1691508	PLAUR	4.61E-03	-0.36
ILMN_1750101	S100A11	4.61E-03	-0.32
ILMN_1777895	LRRRC37B	4.61E-03	0.35
ILMN_1852022	KIAA1881	4.61E-03	0.21
ILMN_1806320	PPFIBP1	4.61E-03	0.13
ILMN_2043109	TOP1P2	4.62E-03	0.24
ILMN_1780533	RNASE6	4.63E-03	-0.48
ILMN_2381476	SPG3A	4.63E-03	0.27
ILMN_1865764		4.64E-03	-0.31
ILMN_1745079	TRIM2	4.65E-03	-0.12

ILMN_1728471	ARFGEF1	4.65E-03	0.28
ILMN_1757388	OCEL1	4.65E-03	-0.27
ILMN_3229033	LOC732360	4.65E-03	0.22
ILMN_1686562	KIF13B	4.66E-03	-0.33
ILMN_1781416	FRAT1	4.69E-03	-0.21
ILMN_3210917	LOC389168	4.69E-03	0.34
ILMN_1693826	HAVCR2	4.69E-03	0.31
ILMN_1670844	OPN3	4.70E-03	0.22
ILMN_1802082	PRDM8	4.71E-03	-0.15
ILMN_1803464	PHTF1	4.72E-03	-0.30
ILMN_1789007	APOC1	4.73E-03	-0.33
ILMN_1819384		4.73E-03	0.12
ILMN_3200921	LOC642590	4.74E-03	-0.31
ILMN_1786789	FAM102B	4.76E-03	-0.26
ILMN_3290211	LOC644761	4.76E-03	0.27
ILMN_1720604	ARSG	4.77E-03	-0.16
ILMN_2366246	SEC23B	4.78E-03	0.32
ILMN_2252408	CNPY4	4.78E-03	-0.18
ILMN_1773018	CUEDC2	4.78E-03	-0.31
ILMN_2363668	YIF1B	4.78E-03	0.33
ILMN_2352190	CLIP2	4.79E-03	-0.21
ILMN_1916292		4.80E-03	-0.17
ILMN_3261811	C14orf167	4.80E-03	-0.22
ILMN_3247998	STAP1	4.80E-03	-0.26
ILMN_1780825	RRAS	4.81E-03	-0.30
ILMN_2282641	TBXAS1	4.81E-03	-0.34
ILMN_1859127		4.82E-03	0.16
ILMN_1809477	CARHSP1	4.82E-03	-0.37
ILMN_1659682	GALK2	4.82E-03	0.31
ILMN_1691339	CLEC1A	4.84E-03	0.19
ILMN_1770692	WDR12	4.85E-03	0.38
ILMN_1678170	MME	4.85E-03	0.18
ILMN_2378952	GPX4	4.85E-03	0.32
ILMN_1746525	FTHL2	4.85E-03	-0.32
ILMN_1770290	CNN2	4.85E-03	0.40
ILMN_3242271	GAPT	4.86E-03	-0.58
ILMN_2378081	BCL7A	4.88E-03	0.11
ILMN_1681367	ZNF642	4.92E-03	0.15
ILMN_1687858	CALM2	4.92E-03	0.27
ILMN_1685781	C14orf142	4.93E-03	-0.35
ILMN_1675387	LIMS1	4.94E-03	0.37
ILMN_2235851	LINCR	4.94E-03	0.33
ILMN_2378100	FBXL5	4.95E-03	-0.39
ILMN_1683700	TNFSF12	4.96E-03	-0.32
ILMN_2080158	FAM10A7	4.97E-03	0.25
ILMN_1803739	RPGRIP1	5.02E-03	-0.18

ILMN_1670145	DFNA5	5.03E-03	-0.33
ILMN_2184640	NOLC1	5.04E-03	0.16
ILMN_1785393	ADAM12	5.05E-03	0.13
ILMN_1735737	SLC11A1	5.06E-03	-0.12
ILMN_2328094	DACT1	5.06E-03	0.49
ILMN_1661717	TFDP1	5.06E-03	-0.32
ILMN_2386891	GLT8D1	5.07E-03	-0.23
ILMN_1669046	FOXQ1	5.08E-03	1.72
ILMN_1750785	SYTL1	5.08E-03	0.14
ILMN_3271092	KLRAQ1	5.09E-03	-0.33
ILMN_1753712	STX10	5.10E-03	-0.40
ILMN_1651966	FGFR3	5.10E-03	0.14
ILMN_1651544	HDAC8	5.13E-03	-0.16
ILMN_1746403	GTF2IRD2P	5.13E-03	-0.13
ILMN_1689800	MRTO4	5.13E-03	0.30
ILMN_1721605	SMYD2	5.13E-03	-0.27
ILMN_1727194	CALU	5.14E-03	0.34
ILMN_1718936	LST1	5.14E-03	-0.28
ILMN_3245331	DHRS4L1	5.15E-03	-0.18
ILMN_1710482	APLP2	5.15E-03	-0.32
ILMN_3289745	LOC339352	5.15E-03	-0.24
ILMN_1678087	MAP3K4	5.19E-03	0.30
ILMN_2305544	DBI	5.19E-03	-0.30
ILMN_1789266	CCDC25	5.19E-03	-0.33
ILMN_1711157	NOTCH4	5.20E-03	-0.12
ILMN_1748983	RTN4	5.20E-03	-0.13
ILMN_1658830	C10orf26	5.21E-03	-0.26
ILMN_1800958	ALS2CR4	5.22E-03	-0.24
ILMN_2125747	LOC606724	5.22E-03	-0.41
ILMN_1717366	MDFIC	5.22E-03	-0.33
ILMN_1736814	CLNS1A	5.28E-03	0.28
ILMN_2364529	EZH2	5.28E-03	0.15
ILMN_1885728	KIAA1147	5.29E-03	-0.19
ILMN_1705302	FCGRT	5.29E-03	-0.38
ILMN_2053178	ACTG1	5.29E-03	0.30
ILMN_1733998	DHRS9	5.30E-03	-0.45
ILMN_1804207	MRPL4	5.32E-03	0.14
ILMN_1897741		5.33E-03	-0.34
ILMN_1657870	ABL2	5.34E-03	0.13
ILMN_2203271	FPR3	5.35E-03	-0.37
ILMN_1803925	MTMR3	5.35E-03	-0.18
ILMN_1699253	LOC729317	5.35E-03	0.31
ILMN_1724181	IL15	5.35E-03	-0.25
ILMN_2109416	NAPSB	5.37E-03	-0.55
ILMN_1659099	ROCK2	5.37E-03	0.23
ILMN_2223941	FBLN5	5.39E-03	-0.33

ILMN_1679268	PELI1	5.41E-03	-0.23
ILMN_2084073	UCN	5.41E-03	-0.22
ILMN_1891455		5.44E-03	0.21
ILMN_1765401	RRN3	5.45E-03	0.28
ILMN_1706015	FAM43A	5.45E-03	-0.18
ILMN_1790471	CICE	5.47E-03	0.30
ILMN_2347917	EED	5.48E-03	0.24
ILMN_1844408	PLXNA2	5.49E-03	0.14
ILMN_1673529	AGXT2L2	5.49E-03	-0.25
ILMN_2375825	CD37	5.49E-03	-0.33
ILMN_1679093	ZNF581	5.50E-03	-0.27
ILMN_2351611	UBQLN1	5.51E-03	0.27
ILMN_2414399	NME1	5.52E-03	0.17
ILMN_1766713	HSPD1	5.52E-03	0.45
ILMN_3307782	FBXL18	5.53E-03	-0.27
ILMN_1746257	DAZAP1	5.54E-03	0.21
ILMN_2228873	STARD3NL	5.54E-03	-0.28
ILMN_1887174	KIAA0146	5.57E-03	-0.26
ILMN_1714159	LUZP1	5.57E-03	0.32
ILMN_1666178	TP53I13	5.60E-03	0.29
ILMN_1691539	LAT	5.61E-03	-0.36
ILMN_3193687	LOC100129391	5.61E-03	0.37
ILMN_1708110	TMEM144	5.65E-03	-0.34
ILMN_1795118	SIDT1	5.65E-03	-0.11
ILMN_1718334	ITPA	5.66E-03	0.32
ILMN_1739840	LRRRC8A	5.68E-03	0.23
ILMN_1740819	STARD7	5.69E-03	0.32
ILMN_1653001	CABLES1	5.71E-03	-0.32
ILMN_1770030	C7orf43	5.71E-03	0.22
ILMN_1793384	JAK1	5.72E-03	0.30
ILMN_3248773	C7orf40	5.72E-03	0.26
ILMN_1795905	ZBTB4	5.77E-03	-0.21
ILMN_1712929	DNAJB12	5.80E-03	0.24
ILMN_1775734	SH2D3C	5.81E-03	-0.24
ILMN_1731596	AP3S2	5.81E-03	-0.26
ILMN_2258004	METRNL	5.82E-03	0.22
ILMN_1688672	SIGLECP3	5.82E-03	0.18
ILMN_1758626	IDS	5.83E-03	-0.29
ILMN_1716988	OPN3	5.83E-03	0.40
ILMN_1787897	CXCL1	5.84E-03	-0.36
ILMN_2115974	GSDM1	5.84E-03	-0.47
ILMN_2062468	IGFBP7	5.84E-03	-0.24
ILMN_1768391	ARL4C	5.84E-03	0.24
ILMN_1796397	CISD2	5.84E-03	-0.29
ILMN_2135756	HSF2BP	5.84E-03	-0.14
ILMN_1672547	MYO9B	5.85E-03	-0.35

ILMN_2398995	MRPL24	5.85E-03	0.22
ILMN_1673563	LOC143941	5.85E-03	0.11
ILMN_1755732	ARMC9	5.85E-03	-0.24
ILMN_1800131	LOC652826	5.85E-03	0.24
ILMN_1732873	IPPK	5.86E-03	0.13
ILMN_1775542	FAIM3	5.87E-03	-0.49
ILMN_1658800	BRPF3	5.91E-03	-0.30
ILMN_3272768	HSPC157	5.93E-03	-0.21
ILMN_1795181	DDX60	5.93E-03	-0.27
ILMN_2363065	RTN3	5.95E-03	-0.31
ILMN_1716859	TDO2	5.97E-03	-0.32
ILMN_1785061	EPHB2	5.97E-03	-0.15
ILMN_2172755	DEPDC6	5.98E-03	-0.15
ILMN_1658702	HIST1H2BJ	5.98E-03	-0.27
ILMN_2096719	GRK5	5.99E-03	-0.25
ILMN_3305273	LOC729779	5.99E-03	0.63
ILMN_1807925	GNG2	6.03E-03	-0.20
ILMN_1736180	FRAT1	6.03E-03	-0.15
ILMN_1677946	LOC653764	6.03E-03	0.20
ILMN_2075334	HIST1H4C	6.08E-03	-0.32
ILMN_1708105	EZH2	6.08E-03	0.20
ILMN_1683415	CAMK2D	6.09E-03	0.16
ILMN_1813489	RAF1	6.09E-03	-0.28
ILMN_1662932	LCP1	6.11E-03	0.28
ILMN_1676629	INSIG2	6.11E-03	0.31
ILMN_2402272	TCEAL8	6.11E-03	-0.27
ILMN_1750409	RAB9A	6.11E-03	-0.31
ILMN_1882495		6.14E-03	0.11
ILMN_2288483	C3orf34	6.14E-03	0.29
ILMN_1772132	ATP5B	6.15E-03	0.26
ILMN_1685810	NFATC3	6.19E-03	0.13
ILMN_1667043	EIF4A3	6.20E-03	0.35
ILMN_2366463	FN1	6.21E-03	0.19
ILMN_1788223	RSPH3	6.22E-03	0.44
ILMN_1760027	WAS	6.23E-03	-0.35
ILMN_1667374	C14orf149	6.23E-03	0.20
ILMN_1748694	NHSL2	6.23E-03	-0.13
ILMN_3244521	LOC283267	6.24E-03	-0.25
ILMN_1882354		6.24E-03	-0.18
ILMN_3277872	LOC644684	6.25E-03	0.27
ILMN_2077733	C12orf30	6.25E-03	0.13
ILMN_1771139	FBXO31	6.26E-03	0.22
ILMN_1657148	C19orf23	6.28E-03	0.19
ILMN_3274596	LOC286512	6.28E-03	-0.33
ILMN_2359453	ERGIC3	6.29E-03	-0.33
ILMN_1695719	EIF2C2	6.29E-03	0.31

ILMN_1652540	RELL2	6.31E-03	0.14
ILMN_1808587	ZFH3	6.31E-03	-0.30
ILMN_1730931	RUFY3	6.32E-03	0.19
ILMN_1779979	SLC37A3	6.33E-03	0.13
ILMN_2320349	BACE1	6.33E-03	0.28
ILMN_1746408	MIDN	6.33E-03	0.32
ILMN_1772387	TLR2	6.34E-03	-0.23
ILMN_1676014	LOC728635	6.34E-03	-0.33
ILMN_1663390	CDC20	6.35E-03	0.18
ILMN_1779735	C7orf59	6.36E-03	-0.27
ILMN_1722532	JMJD1A	6.37E-03	-0.27
ILMN_1720113	PTPRO	6.37E-03	0.35
ILMN_1728168	C20orf45	6.41E-03	0.27
ILMN_2240003	ABL2	6.42E-03	0.11
ILMN_1804568	HOMER1	6.42E-03	0.10
ILMN_3236036	LOC283663	6.43E-03	-0.16
ILMN_1810127	ZNF789	6.44E-03	0.17
ILMN_3224126	LOC729222	6.44E-03	0.17
ILMN_1666545	GCNT1	6.50E-03	-0.34
ILMN_3195372	LOC100128056	6.50E-03	-0.19
ILMN_1687947	HIST1H2BE	6.51E-03	-0.28
ILMN_1694174	TRIM68	6.51E-03	-0.25
ILMN_2069128	EPB41L2	6.52E-03	0.23
ILMN_1777139	MAK16	6.52E-03	0.28
ILMN_3245403	LOC100133931	6.52E-03	-0.34
ILMN_2097793	ZBTB4	6.54E-03	-0.28
ILMN_2336133	SULT1A4	6.56E-03	-0.31
ILMN_3305378	LOC729839	6.56E-03	-0.16
ILMN_1657446	C1orf57	6.56E-03	-0.23
ILMN_1745343	ZMAT2	6.58E-03	-0.24
ILMN_1789244	SOX8	6.61E-03	0.12
ILMN_1677572	FSD1CL	6.61E-03	-0.16
ILMN_1659524	C6orf66	6.62E-03	0.31
ILMN_1812856	ZSWIM1	6.62E-03	-0.27
ILMN_1811767	INHBE	6.64E-03	1.27
ILMN_1806483	ZWILCH	6.69E-03	0.11
ILMN_1750088	VRK2	6.70E-03	-0.30
ILMN_1753249	DDX10	6.71E-03	0.22
ILMN_1767113	AOX1	6.74E-03	-0.10
ILMN_2150894	ALDH1B1	6.75E-03	0.17
ILMN_2354649	SFRS13A	6.76E-03	0.22
ILMN_1728236	SLFN12	6.76E-03	-0.21
ILMN_2103720	MRPL15	6.77E-03	0.33
ILMN_1710495	PAPLN	6.77E-03	-0.28
ILMN_1680591	RTKN	6.81E-03	0.32
ILMN_1678957	WDR55	6.81E-03	0.24

ILMN_1798454	MAD2L1BP	6.84E-03	0.28
ILMN_1655913	NUCB2	6.84E-03	-0.30
ILMN_2396571	GPR108	6.85E-03	-0.22
ILMN_1763228	MEF2D	6.87E-03	-0.44
ILMN_1754051	RMI1	6.88E-03	0.25
ILMN_1713603	PRKCB1	6.88E-03	-0.22
ILMN_2410783	GAA	6.88E-03	-0.28
ILMN_1762224	HPS3	6.88E-03	0.25
ILMN_1702609	B3GNT5	6.88E-03	0.19
ILMN_1743396	ACOX3	6.88E-03	0.23
ILMN_1758938	SLC31A2	6.89E-03	-0.33
ILMN_1796734	SPARC	6.90E-03	-0.35
ILMN_1715401	MT1G	6.93E-03	-0.31
ILMN_3270853	LOC100130298	6.94E-03	-0.16
ILMN_1698508	ST8SIA6	6.95E-03	0.08
ILMN_2384181	DHRS9	6.97E-03	-0.29
ILMN_1721621	NKTR	6.99E-03	-0.25
ILMN_3214052	LOC644877	6.99E-03	0.36
ILMN_1684293	ANP32B	7.01E-03	0.28
ILMN_2069060	RBM11	7.03E-03	0.35
ILMN_1658460	LOC653884	7.04E-03	0.31
ILMN_2234412	TLE3	7.04E-03	-0.19
ILMN_1698019	LGMN	7.06E-03	-0.35
ILMN_2112580	FCGR3A	7.06E-03	-0.14
ILMN_1798528	SULT1A2	7.07E-03	-0.16
ILMN_1657968	MAP2K2	7.08E-03	-0.24
ILMN_1798543	STK17B	7.09E-03	0.28
ILMN_1743662	KBTBD3	7.10E-03	-0.12
ILMN_1815115	CYC1	7.11E-03	0.26
ILMN_2173975	RTP4	7.13E-03	-0.21
ILMN_3233229	SNHG7	7.16E-03	-0.18
ILMN_1712914	SEMA6B	7.18E-03	-0.65
ILMN_1756238	TMEM217	7.19E-03	0.19
ILMN_1910908		7.21E-03	-0.17
ILMN_1655884	ATP2A2	7.22E-03	0.30
ILMN_1670134	FADS1	7.23E-03	-0.28
ILMN_1708502	AFF4	7.23E-03	0.30
ILMN_2373285	MSR1	7.23E-03	-0.36
ILMN_1718900	KCTD2	7.25E-03	-0.23
ILMN_1767068	SMAD6	7.25E-03	0.31
ILMN_1700762	PBX4	7.26E-03	0.11
ILMN_1664912	IL11RA	7.27E-03	-0.23
ILMN_1788778	42258	7.30E-03	0.35
ILMN_1767422	POLR1D	7.30E-03	-0.30
ILMN_1681670	SLC25A4	7.30E-03	0.20
ILMN_1746917	LOC729843	7.31E-03	-0.26

ILMN_1793959	ADPGK	7.32E-03	0.36
ILMN_1763364	WHAMM	7.34E-03	0.17
ILMN_1720311	SLC25A46	7.35E-03	0.25
ILMN_1815261	PDIA4	7.35E-03	0.21
ILMN_1761147	GABPB2	7.36E-03	0.24
ILMN_1714522	CLMN	7.36E-03	-0.21
ILMN_1674282	PPARD	7.37E-03	-0.19
ILMN_3187771	C14orf167	7.39E-03	-0.25
ILMN_1662747	EVI2A	7.39E-03	-0.18
ILMN_2329114	COLQ	7.45E-03	-0.15
ILMN_1686920	CCDC58	7.49E-03	-0.19
ILMN_1670322	FCHO2	7.49E-03	-0.31
ILMN_1714253	AGRP	7.52E-03	-0.16
ILMN_1813746	CORO2A	7.52E-03	0.24
ILMN_1715392	PRPF3	7.52E-03	0.23
ILMN_1704353	IGSF3	7.53E-03	0.26
ILMN_1681203	TWF1	7.55E-03	0.22
ILMN_1731224	PARP9	7.56E-03	-0.28
ILMN_2316278	MAGED4B	7.56E-03	-0.25
ILMN_2328433	NOP2	7.57E-03	0.16
ILMN_1765446	EMP3	7.57E-03	-0.36
ILMN_3196019	FAM60A	7.57E-03	0.17
ILMN_1668378	SFT2D2	7.58E-03	0.17
ILMN_1715991	SDPR	7.59E-03	0.23
ILMN_2359345	NET1	7.61E-03	0.15
ILMN_1730917	KMO	7.66E-03	0.28
ILMN_1846922		7.67E-03	-0.22
ILMN_2152402	BAT5	7.68E-03	0.38
ILMN_2184966	ZHX2	7.68E-03	-0.26
ILMN_3272603	FAM60A	7.69E-03	0.29
ILMN_1726545	LILRA5	7.71E-03	-0.19
ILMN_2144426	HIST2H2AA3	7.71E-03	-0.63
ILMN_1691616	LOC727935	7.74E-03	-0.29
ILMN_2328280	ACTL6A	7.75E-03	0.25
ILMN_1764175	GPD1	7.77E-03	0.11
ILMN_2059505	ARPP19	7.81E-03	-0.33
ILMN_1736995	C12orf66	7.82E-03	0.16
ILMN_2086470	PDGFRA	7.82E-03	-0.11
ILMN_2192316	TOP1	7.84E-03	0.21
ILMN_1747622	CD33	7.85E-03	-0.30
ILMN_2183216	TTRAP	7.85E-03	-0.32
ILMN_1714384	PCCA	7.86E-03	-0.23
ILMN_1778347	NUDT2	7.86E-03	-0.25
ILMN_2109156	RANBP1	7.87E-03	0.31
ILMN_1664330	CEACAM1	7.89E-03	-0.12
ILMN_2164081	KLHL12	7.89E-03	-0.27

ILMN_3226392	LOC729608	7.94E-03	0.35
ILMN_1793934	PISD	7.96E-03	-0.31
ILMN_1697409	TNFRSF14	7.98E-03	0.33
ILMN_1704376	GLDN	7.99E-03	0.26
ILMN_1813938	CHCHD4	7.99E-03	0.31
ILMN_1778974	LILRB4	7.99E-03	-0.17
ILMN_1714000	NXPH3	7.99E-03	0.10
ILMN_1812226	ICAM1	8.01E-03	0.34
ILMN_2169261	TNNI2	8.01E-03	-0.27
ILMN_1782618	C9orf16	8.06E-03	0.17
ILMN_1692731	TTYH3	8.06E-03	-0.31
ILMN_1670875	PPM1D	8.07E-03	-0.24
ILMN_1769633	CTSO	8.08E-03	-0.26
ILMN_1767541	ARAP2	8.09E-03	0.12
ILMN_1666078	HLA-H	8.09E-03	-0.31
ILMN_1794968	LRRRC28	8.11E-03	-0.19
ILMN_1772459	RPS23	8.11E-03	0.24
ILMN_1722662	RAD23B	8.13E-03	0.25
ILMN_2083333	PMS2L5	8.15E-03	-0.19
ILMN_2330966	PTK2B	8.16E-03	-0.23
ILMN_2230016	HIGD1A	8.16E-03	0.34
ILMN_1741632	RAB3IL1	8.16E-03	-0.47
ILMN_2409290	CCPG1	8.17E-03	-0.23
ILMN_1777066	NIF3L1	8.18E-03	-0.28
ILMN_1700923	ATG4C	8.19E-03	-0.34
ILMN_1692121	USO1	8.21E-03	0.27
ILMN_2393046	NHLRC3	8.23E-03	-0.29
ILMN_2090351	OR7E156P	8.27E-03	-0.12
ILMN_1673119	AFF1	8.28E-03	0.10
ILMN_1766425	REPS2	8.31E-03	-0.18
ILMN_1728984	PA2G4	8.36E-03	0.26
ILMN_1779832	LOC400214	8.38E-03	0.10
ILMN_1698213	RBM3	8.40E-03	0.32
ILMN_1849013		8.42E-03	0.36
ILMN_1907042		8.42E-03	-0.26
ILMN_1690802	TRMT112	8.46E-03	-0.34
ILMN_1651343	ITGA11	8.48E-03	0.24
ILMN_1911503		8.49E-03	-0.16
ILMN_1774447	AMPD3	8.53E-03	-0.21
ILMN_1706511	TEF	8.55E-03	-0.17
ILMN_2129015	AFF1	8.55E-03	0.23
ILMN_1701604	TBC1D8B	8.56E-03	-0.10
ILMN_1736577	ZNF688	8.56E-03	-0.18
ILMN_2067269	RECK	8.56E-03	-0.18
ILMN_2232520	ANKRD28	8.56E-03	-0.17
ILMN_2075847	ZC3H10	8.58E-03	-0.21

ILMN_2090782	GCSH	8.58E-03	0.20
ILMN_1801845	DNAL4	8.58E-03	-0.27
ILMN_2173291	CYP4B1	8.61E-03	-0.21
ILMN_1737394	LMNA	8.61E-03	0.33
ILMN_1755589	DIP2B	8.63E-03	0.26
ILMN_1711414	MRPS27	8.64E-03	0.26
ILMN_1770505	BIK	8.65E-03	0.10
ILMN_1761247	PIR	8.65E-03	-0.35
ILMN_1729234	TPP1	8.65E-03	-0.30
ILMN_1686862	HLX	8.65E-03	0.27
ILMN_1672503	DPYSL2	8.66E-03	0.40
ILMN_2339294	LILRB5	8.69E-03	-0.37
ILMN_3178302	FNDC3B	8.74E-03	0.30
ILMN_2382505	SLC22A18	8.76E-03	-0.27
ILMN_1773395	RDH5	8.78E-03	-0.16
ILMN_1783684	LOC648695	8.79E-03	0.33
ILMN_3200140	LOC645638	8.82E-03	0.54
ILMN_1801020	ADK	8.82E-03	0.21
ILMN_1785405	SLC17A9	8.83E-03	0.16
ILMN_1703650	TNIP1	8.84E-03	0.32
ILMN_1811238	ALPK2	8.84E-03	0.14
ILMN_2369286	NME7	8.85E-03	-0.20
ILMN_3293685	LOC286444	8.86E-03	0.38
ILMN_3303612	PABPC1L	8.86E-03	0.36
ILMN_1663416	LOC642250	8.86E-03	-0.26
ILMN_3252446	LOC100129543	8.86E-03	-0.78
ILMN_2098418	LOC652968	8.86E-03	-0.16
ILMN_2246661	FAHD1	8.91E-03	0.25
ILMN_1678212	TMCC1	8.91E-03	-0.09
ILMN_1660629	NBEAL2	8.91E-03	-0.28
ILMN_2067708	TFB2M	8.94E-03	0.29
ILMN_1761464	CD74	8.94E-03	0.34
ILMN_1723398	CSNK1G1	8.94E-03	0.12
ILMN_1718853	UQCRC2	8.94E-03	0.32
ILMN_1904980		8.94E-03	0.22
ILMN_2366634	PKM2	8.94E-03	-0.31
ILMN_1781626	C1S	8.96E-03	-0.38
ILMN_2186806	HLA-F	8.96E-03	-0.27
ILMN_3211079	LOC148430	8.97E-03	0.30
ILMN_1757914	C19orf56	8.97E-03	-0.29
ILMN_2374159	HERPUD1	9.00E-03	-0.35
ILMN_2366703	SGK3	9.01E-03	-0.29
ILMN_1763793	PPM1L	9.03E-03	0.10
ILMN_1702487	SGK	9.03E-03	-0.38
ILMN_1751868	TCTEX1D1	9.03E-03	-0.24
ILMN_1730568	ZDHHC7	9.03E-03	-0.34

ILMN_2162799	AHR	9.06E-03	0.22
ILMN_1775761	TSR1	9.06E-03	0.21
ILMN_1700955	TCTEX1D2	9.07E-03	0.34
ILMN_2307032	OSBPL5	9.09E-03	-0.21
ILMN_1663195	MCM7	9.15E-03	-0.24
ILMN_1811470	PLEK2	9.15E-03	-0.23
ILMN_1739942	FAM117B	9.17E-03	-0.26
ILMN_1849134		9.20E-03	0.09
ILMN_2340935	WBP5	9.21E-03	-0.37
ILMN_1776105	PSPH	9.21E-03	0.32
ILMN_1720484	CRTAP	9.22E-03	-0.14
ILMN_1765204	ST13	9.26E-03	0.35
ILMN_1658121	CFP	9.26E-03	0.18
ILMN_1788347	KIAA1737	9.26E-03	0.26
ILMN_1695311	HLA-DMA	9.27E-03	0.32
ILMN_1681467	RAB11FIP4	9.32E-03	0.13
ILMN_1692160	C6orf114	9.32E-03	0.22
ILMN_1672135	ZNF615	9.32E-03	-0.22
ILMN_1808979	CLEC4D	9.33E-03	-0.22
ILMN_1705769	IL7	9.34E-03	-0.14
ILMN_1670377	ZNF20	9.36E-03	-0.20
ILMN_1763828	MTF1	9.44E-03	-0.23
ILMN_2373728	ASB9	9.45E-03	-0.10
ILMN_1664118	LOC643665	9.48E-03	0.10
ILMN_1660341	LRPAP1	9.49E-03	-0.35
ILMN_2337928	CXCR5	9.49E-03	-0.25
ILMN_1775257	PROK2	9.55E-03	-0.11
ILMN_1677098	YPEL2	9.55E-03	0.26
ILMN_1794213	ABHD14A	9.55E-03	-0.22
ILMN_1854384		9.55E-03	0.15
ILMN_1749907	LOC441241	9.56E-03	0.18
ILMN_2145518	TMEM126B	9.56E-03	-0.28
ILMN_2151488	RMI1	9.56E-03	0.23
ILMN_3308961	MIR1974	9.60E-03	-0.40
ILMN_1722742	SCLY	9.64E-03	0.15
ILMN_1718946	ADAM10	9.66E-03	-0.29
ILMN_1771599	PLOD2	9.66E-03	-0.21
ILMN_1757317	LARS	9.68E-03	0.28
ILMN_1793643	MRM1	9.68E-03	0.10
ILMN_1696933	NLRP3	9.70E-03	-0.14
ILMN_2358626	ADK	9.70E-03	0.36
ILMN_1787410	EIF6	9.72E-03	0.32
ILMN_1696127	KIAA0240	9.73E-03	-0.25
ILMN_1680738	C5orf13	9.74E-03	-0.27
ILMN_1703180	ETV3	9.75E-03	0.40
ILMN_2363426	MAX	9.76E-03	-0.36

ILMN_1778523	KLF9	9.76E-03	0.38
ILMN_1812091	FAM20A	9.77E-03	0.24
ILMN_3239629	LOC729679	9.79E-03	0.33
ILMN_3244963	WDR42A	9.79E-03	-0.26
ILMN_2144573	CTBS	9.79E-03	-0.34
ILMN_1685052	DNAH1	9.81E-03	-0.16
ILMN_1726308	FAM10A4	9.82E-03	0.29
ILMN_3216125	LOC728126	9.82E-03	0.28
ILMN_3242016	POTEE	9.82E-03	0.18
ILMN_1811579	HOMER3	9.85E-03	-0.28
ILMN_1736982	PHACTR1	9.87E-03	-0.17
ILMN_1713301	DGCR2	9.87E-03	-0.21
ILMN_1802894	VKORC1L1	9.88E-03	0.30
ILMN_1699226	UBR4	9.89E-03	0.30
ILMN_1808860	STX5	9.89E-03	-0.19
ILMN_1700633	ABHD4	9.89E-03	0.20
ILMN_1773964	H1FX	9.90E-03	-0.20
ILMN_1663646	DMXL1	9.91E-03	-0.22
ILMN_1811909	LOC402221	9.91E-03	0.40
ILMN_1763129	DCTPP1	9.91E-03	0.30
ILMN_1732176	AGPAT2	9.92E-03	-0.22
ILMN_1812967	CNPY3	9.92E-03	-0.24
ILMN_1742577	GTPBP4	9.92E-03	0.30
ILMN_2186877	FLJ10213	9.94E-03	-0.14
ILMN_2212780	GGTA1	9.94E-03	0.11
ILMN_1708348	ADAM8	9.94E-03	-0.29
ILMN_2146766	FABP5	9.98E-03	0.15
ILMN_1667994	AMD1	9.98E-03	0.30

Azithromycin (AZM)

ProbeID	Gene Symbol	FDR	Log ₂ [AZM/NoTx]
ILMN_1801443	TSKU	1.90E-07	1.33
ILMN_1711888	COBL	1.90E-07	1.12
ILMN_1712475	HS3ST2	1.90E-07	2.05
ILMN_2408683	PPAP2B	1.90E-07	1.46
ILMN_1795342	MLPH	1.90E-07	1.63
ILMN_1693009	FGL2	1.90E-07	-1.81
ILMN_2205963	C10orf54	2.84E-07	-1.42
ILMN_3243682	C1orf93	2.84E-07	1.40
ILMN_1729801	S100A8	3.46E-07	-2.15
ILMN_1655549	SIGLEC10	4.03E-07	-1.38
ILMN_1750974	S100A9	4.03E-07	-1.30
ILMN_2099277	HTRA4	4.03E-07	1.81
ILMN_1689001	CDK4	4.03E-07	1.17

ILMN_2235851	LINCR	4.03E-07	1.19
ILMN_1747347	C17orf60	4.03E-07	-1.26
ILMN_1713749	CORO1A	4.03E-07	-1.09
ILMN_1734740	GPR65	4.71E-07	-1.14
ILMN_2404688	NUPR1	4.71E-07	1.48
ILMN_2092118	FPR1	8.19E-07	-1.33
ILMN_1780465	CLEC5A	1.05E-06	-1.38
ILMN_1721035	MS4A6A	1.05E-06	-1.65
ILMN_2125747	LOC606724	1.05E-06	-1.01
ILMN_1703538	AIF1	1.09E-06	-1.04
ILMN_2388800	PPAP2B	1.14E-06	1.56
ILMN_1729188	HAMP	1.19E-06	2.07
ILMN_1730628	RNASE2	1.19E-06	-0.72
ILMN_1785902	C1QC	1.19E-06	-1.07
ILMN_2070375	GPR82	1.23E-06	-1.10
ILMN_1739751	SLC26A11	1.23E-06	1.50
ILMN_1803560	LAT2	1.23E-06	-0.88
ILMN_2232121	GPR65	1.44E-06	-1.09
ILMN_3193306	C14orf109	1.52E-06	0.94
ILMN_1810628	KIAA0367	1.52E-06	-0.91
ILMN_1726666	GPX3	1.61E-06	-1.20
ILMN_1691410	BAMBI	1.61E-06	1.04
ILMN_1791211	DOK2	1.61E-06	-0.86
ILMN_1797731	MS4A6A	1.61E-06	-1.57
ILMN_1758895	CTSK	1.62E-06	0.96
ILMN_1769876	TBC1D2	1.62E-06	1.18
ILMN_1719433	CD1D	1.67E-06	-0.90
ILMN_1810560	P8	1.72E-06	1.37
ILMN_1740015	CD14	1.73E-06	-1.44
ILMN_2359800	MS4A6A	1.73E-06	-1.51
ILMN_1669523	FOS	1.85E-06	-1.05
ILMN_1752899	BCL11A	1.85E-06	1.19
ILMN_2137536	ZZZ3	1.93E-06	1.10
ILMN_1703946	ADORA2B	2.07E-06	0.97
ILMN_1713505	NPC1	2.07E-06	0.91
ILMN_1713829	PTGES	2.13E-06	1.13
ILMN_1702231	C1orf54	2.44E-06	-0.94
ILMN_1736982	PHACTR1	2.44E-06	0.74
ILMN_1900661		2.47E-06	0.98
ILMN_1676893	ADCY3	2.47E-06	1.08
ILMN_2289849	FCGR2A	2.55E-06	-0.85
ILMN_1712026	NLRP3	2.62E-06	-0.93
ILMN_1773006	FABP4	2.70E-06	-0.85
ILMN_1712082	GCNT3	2.74E-06	0.59
ILMN_1784207	C1orf128	2.81E-06	0.95
ILMN_1746888	PCOLCE2	3.00E-06	-0.68

ILMN_1736939	UGCG	3.00E-06	0.90
ILMN_1655244	LOC642755	3.02E-06	1.11
ILMN_1804277	SPRED1	3.02E-06	-0.99
ILMN_1790689	CRISPLD2	3.05E-06	-1.19
ILMN_2233539	SLC39A8	3.13E-06	-1.21
ILMN_1695316	SLC39A8	3.32E-06	-1.44
ILMN_1697409	TNFRSF14	3.38E-06	0.85
ILMN_1814998	FKSG30	3.47E-06	-0.99
ILMN_1787186	NOV	3.55E-06	0.85
ILMN_1804938	GPR175	3.70E-06	0.79
ILMN_3269775	C14orf109	3.70E-06	1.21
ILMN_1710962	TMEM97	3.82E-06	0.92
ILMN_1669940	TMEM38B	3.83E-06	0.97
ILMN_2396020	DUSP6	3.83E-06	-1.38
ILMN_1739222	ETV5	3.93E-06	-1.31
ILMN_2407389	GPNMB	4.31E-06	0.96
ILMN_1717056	TXNRD1	4.31E-06	1.00
ILMN_1782050	CEBPD	4.52E-06	-1.05
ILMN_1693452	GAL3ST4	4.57E-06	-1.39
ILMN_1800078	LMO2	4.83E-06	-1.07
ILMN_2399300	NAV2	4.86E-06	0.68
ILMN_2145280	DEF6	4.97E-06	-0.91
ILMN_1691341	IL7R	4.97E-06	-0.96
ILMN_1756928	RTN1	4.97E-06	-1.06
ILMN_2326953	LAT2	4.97E-06	-0.87
ILMN_1790973	CDS2	4.97E-06	0.81
ILMN_1754894	C1orf162	5.04E-06	-0.84
ILMN_1714170	SPSB1	5.23E-06	0.83
ILMN_1738992	MNDA	5.48E-06	-0.80
ILMN_1701933	SNCA	5.56E-06	1.01
ILMN_1714433	MARCKSL1	5.69E-06	-1.00
ILMN_3241758	POTEF	5.77E-06	-0.80
ILMN_1703955	FBXO32	5.79E-06	0.73
ILMN_1731644	SETDB2	5.87E-06	1.14
ILMN_1701947	GPR34	6.01E-06	-1.25
ILMN_1659352	KCNK13	6.11E-06	-0.91
ILMN_1731928	LY9	6.30E-06	0.52
ILMN_2083469	IRS2	6.56E-06	0.86
ILMN_1769388	GJB2	6.98E-06	0.95
ILMN_1730710	ADORA3	6.98E-06	-1.07
ILMN_1797875	ALOX5AP	6.98E-06	-1.33
ILMN_2183409	SCARB1	6.98E-06	0.82
ILMN_1792473	AIF1	6.98E-06	-1.03
ILMN_1686623	CSF1R	7.11E-06	-1.26
ILMN_2329429	GIMAP6	7.21E-06	-0.85
ILMN_1688373	LST1	7.21E-06	-0.77

ILMN_2382657	ARHGAP9	7.58E-06	-0.68
ILMN_1802557	HEBP1	7.58E-06	0.87
ILMN_1785345	GPR84	7.58E-06	-0.73
ILMN_1791569	PLXNA1	7.66E-06	0.57
ILMN_2212763	ICAM3	7.66E-06	-0.76
ILMN_1740875	FPR2	7.66E-06	-0.97
ILMN_1811909	LOC402221	7.67E-06	-0.80
ILMN_2312340	LILRB2	8.10E-06	-0.93
ILMN_1815023	PIM1	8.12E-06	1.50
ILMN_2400322	DYRK3	8.12E-06	0.49
ILMN_1738558	RGS20	8.12E-06	0.97
ILMN_1752947	C17orf79	8.12E-06	0.82
ILMN_2046611	MCOLN3	8.56E-06	0.73
ILMN_2316386	GPBAR1	9.04E-06	-1.12
ILMN_1698209	AGPS	9.34E-06	1.03
ILMN_2387952	FAM134B	9.34E-06	1.52
ILMN_1702301	DOCK10	9.36E-06	-0.88
ILMN_2391051	FCGR1B	9.81E-06	-0.68
ILMN_1812278	LY9	9.86E-06	1.01
ILMN_2050911	SLC22A4	9.86E-06	-0.51
ILMN_1653618	ZZZ3	9.95E-06	1.07
ILMN_2200917	SLC4A7	9.95E-06	-0.94
ILMN_1765796	ENO2	9.95E-06	0.39
ILMN_1694268	HES6	9.95E-06	0.91
ILMN_1800739	SPINT2	9.95E-06	-0.76
ILMN_1742332	KCTD12	9.95E-06	-0.96
ILMN_2138589	MERTK	9.95E-06	-0.98
ILMN_1689329	SCD	9.95E-06	1.08
ILMN_1768181	TOR3A	9.97E-06	0.95
ILMN_1717326	SLC29A3	1.03E-05	0.96
ILMN_1684045	CDCA4	1.07E-05	0.52
ILMN_1738866	DEXI	1.07E-05	0.79
ILMN_1801616	EMP1	1.10E-05	0.81
ILMN_1735827	NISCH	1.10E-05	-0.83
ILMN_1799889	ATP6V0D2	1.14E-05	1.08
ILMN_1776678	GIMAP7	1.14E-05	-0.99
ILMN_1700690	VAT1	1.14E-05	1.02
ILMN_1756784	FREQ	1.14E-05	0.75
ILMN_1793287	LOC642755	1.19E-05	0.80
ILMN_1806165	HSPA6	1.20E-05	-0.96
ILMN_3243705	PDXDC1	1.20E-05	0.84
ILMN_2351548	FAIM	1.21E-05	0.75
ILMN_1727709	GPBAR1	1.24E-05	-0.79
ILMN_1772218	HLA-DPA1	1.25E-05	-0.73
ILMN_1782729	CLECL1	1.25E-05	-0.78
ILMN_2297710	PLEKHB2	1.30E-05	0.67

ILMN_1798061	ZFYVE26	1.30E-05	0.76
ILMN_1723035	OLR1	1.30E-05	-1.14
ILMN_2067656	CCND2	1.31E-05	-0.75
ILMN_1792455	TMEM158	1.32E-05	0.87
ILMN_1735910	VMO1	1.32E-05	-0.78
ILMN_2255133	BCL11A	1.32E-05	1.19
ILMN_1804735	CBS	1.33E-05	0.79
ILMN_2261600	FCGR1B	1.35E-05	-0.67
ILMN_1682459	TUBB4	1.35E-05	0.82
ILMN_1690101	FAIM	1.35E-05	1.02
ILMN_1685824	B4GALT5	1.35E-05	0.95
ILMN_1801307	TNFSF10	1.35E-05	-0.65
ILMN_2333670	RNASE1	1.35E-05	-1.03
ILMN_2399363	CLEC4A	1.36E-05	-0.87
ILMN_2345353	LST1	1.36E-05	-0.77
ILMN_1661622	TBC1D7	1.36E-05	0.75
ILMN_2324421	TXNRD1	1.36E-05	1.02
ILMN_1813561	SCIN	1.41E-05	0.75
ILMN_2291954	SLA	1.42E-05	-0.65
ILMN_1737484	RTN4R	1.43E-05	1.36
ILMN_3235477	RRP1	1.43E-05	0.48
ILMN_1723260	ETV5	1.49E-05	-0.51
ILMN_1664828	APOBEC3H	1.49E-05	-0.58
ILMN_1795963	OKL38	1.55E-05	0.93
ILMN_1685703	ACOX2	1.64E-05	-0.89
ILMN_1812618	ARAP3	1.64E-05	-0.64
ILMN_1718936	LST1	1.64E-05	-0.80
ILMN_1655987	STAB1	1.64E-05	-0.81
ILMN_1751901	TMEM163	1.90E-05	1.22
ILMN_1727532	OLFML3	1.92E-05	-0.88
ILMN_1779015	ZNF467	1.92E-05	-1.13
ILMN_2176063	FCGR1A	1.92E-05	-0.63
ILMN_2101278	RGS18	1.96E-05	-0.91
ILMN_2338038	AK3L1	2.00E-05	0.75
ILMN_1712532	CARD9	2.11E-05	-0.73
ILMN_1807919	TNS1	2.21E-05	0.56
ILMN_1684887	SAMSN1	2.23E-05	-0.86
ILMN_1731412	UBTD2	2.24E-05	0.64
ILMN_1791647	ASIP	2.30E-05	0.43
ILMN_1698732	PALLD	2.36E-05	0.68
ILMN_1651769	ZFYVE16	2.42E-05	0.77
ILMN_1819783		2.46E-05	0.99
ILMN_1768534	BHLHB2	2.46E-05	0.99
ILMN_1671442	WDR43	2.46E-05	0.62
ILMN_1718769	ITSN1	2.46E-05	-0.72
ILMN_1671478	CKB	2.52E-05	0.63

ILMN_1808783	STRBP	2.54E-05	0.49
ILMN_1660031	P2RY6	2.58E-05	-0.72
ILMN_2384241	TGFBR2	2.58E-05	-0.78
ILMN_1803811	TRIB1	2.58E-05	-0.73
ILMN_1785161	CHCHD6	2.61E-05	0.79
ILMN_2169490	TDRD9	2.66E-05	0.51
ILMN_1747305	GIMAP8	2.68E-05	-0.83
ILMN_2294762	AMY1A	2.68E-05	-0.77
ILMN_2134974	RAB38	2.68E-05	0.89
ILMN_1783956	ATP8B4	2.69E-05	-1.02
ILMN_2414027	CKLF	2.71E-05	-0.64
ILMN_3239965	IDO1	2.71E-05	-0.73
ILMN_1762529	SLC12A8	2.71E-05	0.69
ILMN_1759326	P2RX7	2.71E-05	0.78
ILMN_1695590	ADRB2	2.80E-05	-0.74
ILMN_1764321	ACOT4	2.85E-05	0.72
ILMN_1872457		2.93E-05	0.54
ILMN_1808919	HPS4	2.93E-05	0.85
ILMN_1656057	PLAU	2.93E-05	0.87
ILMN_1657871	RSAD2	2.96E-05	1.35
ILMN_1788251	SNN	2.98E-05	0.56
ILMN_1680996	ALOX5	3.01E-05	-0.94
ILMN_1792363	KLK4	3.05E-05	0.77
ILMN_1787815	TRIB3	3.05E-05	1.00
ILMN_1677466	DUSP6	3.05E-05	-0.56
ILMN_1652825	IL10RA	3.09E-05	-0.73
ILMN_2197365	RGS2	3.09E-05	-1.00
ILMN_1715024	LSS	3.10E-05	0.82
ILMN_2383163	DEPDC7	3.10E-05	-0.24
ILMN_1757845	SPIRE1	3.10E-05	0.73
ILMN_1770610	MERTK	3.16E-05	-0.82
ILMN_1738552	SLC1A3	3.16E-05	0.76
ILMN_1675584	HTRA4	3.16E-05	0.49
ILMN_1666932	FCGR2A	3.17E-05	-0.83
ILMN_1750429	MKNK1	3.17E-05	-0.70
ILMN_1741171	TM2D2	3.18E-05	-0.60
ILMN_2152828	KIF16B	3.30E-05	0.59
ILMN_2152131	ACTB	3.31E-05	-0.59
ILMN_1711838	SLC25A24	3.37E-05	0.62
ILMN_1680344	MYOM1	3.37E-05	-0.34
ILMN_2171289	SAMSN1	3.40E-05	-0.81
ILMN_1795183	RNASE1	3.42E-05	-0.76
ILMN_1807972	MICAL1	3.44E-05	0.63
ILMN_2292123	COL4A3BP	3.45E-05	0.42
ILMN_2313782	ATG4A	3.45E-05	1.02
ILMN_1769013	ASGR1	3.48E-05	-1.02

ILMN_1702501	RPS6KA2	3.48E-05	0.74
ILMN_1816603		3.48E-05	-0.43
ILMN_1785202	STAT4	3.50E-05	-0.68
ILMN_1759792	CLIP4	3.50E-05	0.86
ILMN_1727194	CALU	3.53E-05	0.66
ILMN_1743933	TSHZ3	3.53E-05	-0.46
ILMN_1758128	CYGB	3.54E-05	0.61
ILMN_1768814	KLHL6	3.58E-05	0.89
ILMN_1777519	ITGB7	3.58E-05	-0.75
ILMN_1713679	MREG	3.62E-05	0.88
ILMN_1789338	SORBS3	3.66E-05	0.53
ILMN_1758623	HIST1H2BD	3.66E-05	-0.66
ILMN_1705403	CYP2S1	3.70E-05	-0.62
ILMN_1766165	SNCA	3.70E-05	0.81
ILMN_2112988	NCF1C	3.75E-05	-0.57
ILMN_1704985	CYP27A1	3.78E-05	0.85
ILMN_1669409	VSIG4	3.80E-05	-0.84
ILMN_1777296	ACTB	3.87E-05	-0.93
ILMN_1672589	SEMA4B	3.89E-05	-0.49
ILMN_1801205	GPNMB	3.89E-05	0.70
ILMN_1687824	SEPHS2	4.09E-05	0.88
ILMN_1692466	LOC728637	4.18E-05	-0.51
ILMN_1739032	TMEM70	4.18E-05	0.42
ILMN_3307158	ATG4A	4.29E-05	1.07
ILMN_2087656	SLCO2B1	4.29E-05	-0.82
ILMN_1781691	TRAK2	4.29E-05	0.88
ILMN_1755942	GPR120	4.42E-05	-0.33
ILMN_2345898	SLA	4.59E-05	-0.86
ILMN_1758864	VNN2	4.61E-05	-0.84
ILMN_1676984	DDIT3	4.65E-05	1.03
ILMN_2138765	PLIN2	4.77E-05	0.85
ILMN_2367883	GEM	4.77E-05	0.77
ILMN_1670145	DFNA5	4.79E-05	0.86
ILMN_1709728	SLC30A5	4.83E-05	0.65
ILMN_1722622	CD163	4.86E-05	-0.70
ILMN_2094396	LRRRC8C	4.87E-05	-0.55
ILMN_2401258	FAM13A	4.92E-05	-0.63
ILMN_2294978	RNASE4	4.96E-05	-0.54
ILMN_1675797	EPDR1	5.02E-05	0.76
ILMN_1784871	FASN	5.02E-05	0.72
ILMN_2392569	FPR2	5.23E-05	-0.68
ILMN_1793410	SNTB1	5.23E-05	0.64
ILMN_1667371	SLA	5.23E-05	-0.93
ILMN_1849494		5.23E-05	0.49
ILMN_1665107	ITGB1BP1	5.32E-05	0.79
ILMN_1689200	DHDH	5.40E-05	0.84

ILMN_1696317	CACNA2D4	5.44E-05	-0.57
ILMN_1726704	RSC1A1	5.44E-05	0.41
ILMN_2359945	CES1	5.44E-05	0.62
ILMN_2038777	ACTB	5.48E-05	-0.78
ILMN_2075643	ANKRD29	5.49E-05	0.78
ILMN_1695246	KLHDC8B	5.60E-05	0.76
ILMN_1702899	PLEKHA7	5.61E-05	-0.27
ILMN_2310896	NLRP3	5.61E-05	-0.78
ILMN_2094266	HES2	5.62E-05	1.31
ILMN_1717477	PSD3	5.62E-05	0.67
ILMN_2401873	DUSP10	5.66E-05	0.57
ILMN_1678579	CPT2	5.68E-05	-0.59
ILMN_1674243	TFRC	5.80E-05	0.95
ILMN_1811110	TDRD9	5.91E-05	0.47
ILMN_1755364	RALA	5.91E-05	0.59
ILMN_1753183	CDCA4	5.95E-05	0.38
ILMN_1764030	CCL23	5.99E-05	-0.71
ILMN_1726981	VEGFB	6.01E-05	0.61
ILMN_1793950	P704P	6.06E-05	-0.41
ILMN_1772224	KCNJ5	6.10E-05	0.76
ILMN_1654612	ZNF589	6.10E-05	0.59
ILMN_1671554	LPIN1	6.14E-05	0.74
ILMN_1704531	PTGR1	6.14E-05	0.68
ILMN_1775501	IL1B	6.20E-05	-1.31
ILMN_1789130	DNASE2B	6.31E-05	1.03
ILMN_1748473	GIMAP4	6.40E-05	-0.83
ILMN_1678143	ARHGDI3	6.40E-05	-0.57
ILMN_1700143	FRMD4B	6.44E-05	-0.55
ILMN_1714278	C9orf30	6.49E-05	0.74
ILMN_2053178	ACTG1	6.49E-05	-0.56
ILMN_1670325	SLC47A1	6.49E-05	0.65
ILMN_1865764		6.49E-05	-0.66
ILMN_1745811	TDRD3	6.56E-05	0.69
ILMN_2184373	IL8	6.56E-05	0.71
ILMN_1707088	DENND2D	6.56E-05	0.61
ILMN_1803676	ENOSF1	6.66E-05	0.57
ILMN_1805902	ELA1	6.72E-05	-0.31
ILMN_1709204	CLEC4A	6.75E-05	-0.89
ILMN_1778240	GFOD1	6.76E-05	0.56
ILMN_1655068	TOM1L2	6.78E-05	0.53
ILMN_3250257	ACVRL1	6.78E-05	-0.89
ILMN_1663631	BANP	6.80E-05	0.83
ILMN_1666545	GCNT1	6.91E-05	-0.77
ILMN_1760121	RRAGC	6.91E-05	0.59
ILMN_1752755	VWF	6.96E-05	0.91
ILMN_1910120	LOC730092	6.97E-05	0.60

ILMN_1769245	GLIPR1	6.97E-05	-0.63
ILMN_1672608	PPAP2B	7.00E-05	0.45
ILMN_1697802	LOC654244	7.15E-05	0.40
ILMN_1725791	PTPLA	7.16E-05	0.55
ILMN_1704537	PHGDH	7.18E-05	1.55
ILMN_1653026	PLAC8	7.20E-05	-1.02
ILMN_1704961	ACTG1	7.20E-05	-0.82
ILMN_2093343	PLAC8	7.20E-05	-1.14
ILMN_1758939	RIPK2	7.61E-05	0.96
ILMN_1685490	TEX14	7.65E-05	0.34
ILMN_1735680	TMEM30A	7.80E-05	-0.49
ILMN_1719986	PIK3IP1	7.82E-05	0.61
ILMN_1809483	HSD17B14	7.92E-05	0.55
ILMN_1693210	NSMCE2	8.01E-05	0.67
ILMN_1752510	FAM13A	8.01E-05	-0.69
ILMN_1739792	RHOG	8.12E-05	-0.68
ILMN_2136971	FABP3	8.12E-05	0.53
ILMN_1764090	AK3L1	8.17E-05	0.62
ILMN_1720965	TULP4	8.37E-05	0.55
ILMN_2170814	LAMP3	8.37E-05	-0.77
ILMN_1677085	RGS19	8.37E-05	-0.57
ILMN_3243061	SIGLEC14	8.37E-05	-0.66
ILMN_3190833	CCRL2	8.55E-05	1.01
ILMN_1708611	RDX	8.55E-05	0.94
ILMN_1807529	PADI4	8.64E-05	-0.24
ILMN_1706498	DSE	8.73E-05	-0.69
ILMN_1733259	ADORA3	8.73E-05	-0.70
ILMN_2275742	DNASE2B	8.73E-05	0.96
ILMN_1722855	VEGFB	8.85E-05	0.45
ILMN_1812759	GCH1	8.94E-05	-0.44
ILMN_1804863	FKBP15	8.95E-05	0.76
ILMN_1741350	CEP70	9.00E-05	0.41
ILMN_2400922	OPRL1	9.00E-05	-0.69
ILMN_3242105	LOC100134073	9.21E-05	-0.47
ILMN_3306997	METTL1	9.21E-05	0.71
ILMN_2404512	PSEN2	9.21E-05	0.64
ILMN_2400326	DYRK3	9.21E-05	0.55
ILMN_2401878	DUSP10	9.25E-05	0.58
ILMN_2253732	ST8SIA4	9.34E-05	-0.75
ILMN_1677768	POR	9.34E-05	0.53
ILMN_1808047	PHC2	9.43E-05	-0.41
ILMN_1761199	SLCO2B1	9.43E-05	-0.83
ILMN_1665945	ACBD3	9.57E-05	0.68
ILMN_1654370	TESK2	9.62E-05	0.36
ILMN_1735930	KLF2	9.77E-05	-0.46
ILMN_1738578	FILIP1L	9.77E-05	-0.31

ILMN_2254962	ACSS2	9.77E-05	0.47
ILMN_2154053	FVT1	9.78E-05	0.53
ILMN_2352953	CPM	9.90E-05	0.41
ILMN_1743130	PTGFRN	9.94E-05	-0.38
ILMN_1803988	MCL1	9.97E-05	-0.54
ILMN_1669617	GRB10	9.99E-05	0.40
ILMN_1733276	CYSLTR1	9.99E-05	-0.45
ILMN_2198812	FDX1	1.00E-04	0.63
ILMN_1789361	PKD2L1	1.00E-04	0.84
ILMN_2054297	PTGS2	1.00E-04	-0.50
ILMN_1680782	PATL1	1.01E-04	0.51
ILMN_1700610	CLEC7A	1.02E-04	-0.55
ILMN_1764709	MAFB	1.03E-04	-0.65
ILMN_1811364	SGPP2	1.03E-04	0.69
ILMN_3229324	SGK1	1.03E-04	0.65
ILMN_1706094	HECTD1	1.03E-04	0.72
ILMN_1689585	C20orf194	1.04E-04	0.55
ILMN_1672662	SLC20A1	1.06E-04	0.61
ILMN_1709820	AOAH	1.07E-04	-0.56
ILMN_1710075	FAM89A	1.07E-04	0.63
ILMN_1681101	42064	1.07E-04	-0.67
ILMN_1671516	CIR1	1.07E-04	1.56
ILMN_2379599	CD163	1.07E-04	-0.71
ILMN_1755075	IDI1	1.08E-04	0.68
ILMN_1788347	KIAA1737	1.08E-04	0.57
ILMN_1771026	GARS	1.09E-04	0.61
ILMN_1713934	LITAF	1.09E-04	0.59
ILMN_1801504	RUNX1	1.09E-04	-0.50
ILMN_2246328	PTPN22	1.09E-04	-0.58
ILMN_1795089	RASAL3	1.09E-04	-0.64
ILMN_1682316	TRIM33	1.09E-04	0.61
ILMN_1787529	C3AR1	1.11E-04	-0.60
ILMN_2394161	ST8SIA4	1.12E-04	-0.37
ILMN_3247506	FCGR1C	1.12E-04	-0.51
ILMN_2351930	TRIM33	1.13E-04	0.70
ILMN_1787127	SLC43A2	1.13E-04	-0.79
ILMN_1720829	ZFP36	1.14E-04	-0.76
ILMN_3237329	FNIP2	1.14E-04	0.89
ILMN_1690099	ITGB1BP1	1.14E-04	0.73
ILMN_2323992	CLEC7A	1.15E-04	-0.71
ILMN_1766487	LRRRC25	1.18E-04	-0.40
ILMN_1712389	CKLF	1.20E-04	-0.59
ILMN_1780334	KCNJ2	1.20E-04	-0.66
ILMN_1666049	NUP214	1.20E-04	-0.60
ILMN_1657892	TLR8	1.20E-04	-0.67
ILMN_1912287		1.20E-04	0.64

ILMN_1664631	ADAM28	1.20E-04	-0.38
ILMN_1661343	TNFSF14	1.20E-04	0.39
ILMN_2161556	C12orf49	1.20E-04	0.43
ILMN_2089329	SPRY2	1.22E-04	-0.67
ILMN_1801864	LOC730455	1.23E-04	0.58
ILMN_1733515	LOXL3	1.24E-04	-0.40
ILMN_1755658	ABI3	1.24E-04	-0.55
ILMN_2140990	CAMK1	1.28E-04	-0.68
ILMN_2234697	BEX1	1.30E-04	-1.28
ILMN_1773963	GNA15	1.30E-04	-0.57
ILMN_1726245	TGFBR2	1.33E-04	-0.67
ILMN_1772786	KIF16B	1.34E-04	0.46
ILMN_1760727	ANG	1.35E-04	-0.65
ILMN_2290118	MEGF9	1.36E-04	-0.52
ILMN_1769229	BCL2A1	1.36E-04	0.73
ILMN_2102330	COL8A2	1.36E-04	0.72
ILMN_2053415	LDLR	1.36E-04	0.81
ILMN_1762713	C19orf59	1.38E-04	-0.72
ILMN_2221046	GM2A	1.39E-04	0.59
ILMN_1655414	TNFSF14	1.39E-04	0.90
ILMN_1692785	KLHL21	1.39E-04	0.41
ILMN_1677092	GEM	1.39E-04	0.73
ILMN_2207504	LEP	1.40E-04	1.46
ILMN_1676213	SRPX2	1.42E-04	-0.42
ILMN_2381899	OPTN	1.43E-04	0.60
ILMN_2374249	DYRK2	1.43E-04	0.55
ILMN_2150196	LRRC25	1.44E-04	-0.61
ILMN_2342579	IL7R	1.48E-04	-0.78
ILMN_1681301	AIM2	1.49E-04	-0.73
ILMN_1663866	TGFBI	1.49E-04	-0.85
ILMN_1670353	RAD51AP1	1.49E-04	0.53
ILMN_1774077	GBP2	1.49E-04	-0.62
ILMN_1678939	VNN2	1.50E-04	-0.73
ILMN_1653652	PTPRC	1.52E-04	-0.54
ILMN_1719867	RNF13	1.52E-04	0.63
ILMN_2339835	PTGS1	1.52E-04	-0.62
ILMN_2203271	FPR3	1.52E-04	-0.60
ILMN_1651496	HIST1H2BD	1.53E-04	-0.56
ILMN_1747622	CD33	1.53E-04	-0.56
ILMN_1796349	SMPDL3A	1.54E-04	-0.66
ILMN_1796216	VASH1	1.55E-04	-0.66
ILMN_1697554	SASH3	1.55E-04	-0.51
ILMN_1749338	ANKRD29	1.60E-04	0.32
ILMN_1806908	PRKCB1	1.68E-04	0.57
ILMN_1708743	NT5DC2	1.70E-04	-0.37
ILMN_1668863	LYPD1	1.70E-04	-0.76

ILMN_1737918	C1QA	1.70E-04	-0.55
ILMN_1726873	TPCN2	1.70E-04	0.57
ILMN_2140999	ZFYVE16	1.70E-04	0.51
ILMN_1727309	FAM82A2	1.70E-04	0.55
ILMN_1742544	MEF2C	1.70E-04	-0.58
ILMN_1743711	LOC650215	1.70E-04	0.62
ILMN_1674811	OASL	1.71E-04	-0.51
ILMN_1757210	CALML4	1.71E-04	-0.60
ILMN_1803788	LGALS3	1.72E-04	0.76
ILMN_1681252	C17orf44	1.74E-04	-0.52
ILMN_1766169	BCAT1	1.75E-04	0.59
ILMN_3279712	LOC642590	1.76E-04	0.58
ILMN_1775962	MCOLN3	1.77E-04	0.51
ILMN_1783846	RAPH1	1.78E-04	-0.40
ILMN_1711617	GMFG	1.79E-04	-0.63
ILMN_2413644	TM4SF19	1.79E-04	0.80
ILMN_1748093	PAFAH1B3	1.82E-04	0.63
ILMN_1714765	LOC389590	1.87E-04	0.50
ILMN_1764964	IFNGR2	1.89E-04	-0.62
ILMN_1686109	CCL23	1.89E-04	-0.68
ILMN_1757186	GIMAP1	1.90E-04	-0.86
ILMN_1755926	DBI	1.91E-04	0.54
ILMN_1791057	IFNAR2	1.94E-04	-0.55
ILMN_1701386	STRADB	1.94E-04	0.48
ILMN_1811330	FAM134B	1.95E-04	0.94
ILMN_1770290	CNN2	1.96E-04	-0.56
ILMN_1659544	STX3	2.00E-04	0.49
ILMN_2097858	KIAA1737	2.01E-04	0.56
ILMN_1664718	CYP51A1	2.03E-04	0.52
ILMN_1860638		2.03E-04	0.43
ILMN_1669831	C6orf192	2.03E-04	0.61
ILMN_2337655	WARS	2.06E-04	0.67
ILMN_1711102	B3GNT2	2.07E-04	0.54
ILMN_1785071	SEPP1	2.08E-04	-0.84
ILMN_1843198		2.10E-04	0.81
ILMN_1683859	SLC7A1	2.12E-04	0.56
ILMN_1683475	TOMM40	2.12E-04	0.84
ILMN_1814194	TCF4	2.14E-04	-0.57
ILMN_1664464	PTGDS	2.15E-04	0.60
ILMN_1708672	ACAT2	2.20E-04	0.88
ILMN_1679620	LOC728519	2.20E-04	-0.64
ILMN_1681590	LARP1	2.21E-04	0.43
ILMN_1663142	CLEC12A	2.22E-04	-0.53
ILMN_1742859	ACSS2	2.22E-04	0.47
ILMN_1723962	LXN	2.22E-04	0.60
ILMN_1773125	ENTPD1	2.22E-04	-0.59

ILMN_1663042	SDC4	2.25E-04	0.42
ILMN_1656194	TSPAN10	2.25E-04	1.04
ILMN_1668063	FCN1	2.27E-04	-0.72
ILMN_1724789	CD59	2.27E-04	0.37
ILMN_2145116	TMEM173	2.27E-04	-0.56
ILMN_1745116	ABHD12	2.28E-04	0.52
ILMN_1801254	LOC648984	2.28E-04	-0.54
ILMN_1772292	LOC653752	2.32E-04	0.37
ILMN_2391150	FILIP1L	2.33E-04	-0.31
ILMN_1709484	BLM	2.36E-04	0.22
ILMN_1680109	COL4A3BP	2.36E-04	0.61
ILMN_1774547	MPRIP	2.36E-04	-0.40
ILMN_1797293	SIGLEC15	2.36E-04	0.46
ILMN_1736597	TKT	2.37E-04	0.52
ILMN_1685057	SLC22A4	2.37E-04	-0.31
ILMN_1807556	LOC146177	2.38E-04	-0.33
ILMN_1757347	C22orf9	2.39E-04	0.39
ILMN_1704873	TCEB1	2.39E-04	0.56
ILMN_1745964	IRAK2	2.39E-04	0.58
ILMN_1679782	BLOC1S2	2.42E-04	0.57
ILMN_1730906	FILIP1L	2.44E-04	-0.28
ILMN_1687284	USP12	2.46E-04	0.45
ILMN_2225318	SMS	2.47E-04	0.60
ILMN_1683755	SOX13	2.50E-04	0.56
ILMN_2264011	GRAP	2.50E-04	-0.43
ILMN_1659801	ATP6V1C1	2.51E-04	0.39
ILMN_1906187		2.54E-04	0.36
ILMN_2356838	CEPT1	2.61E-04	-0.53
ILMN_2375484	CPEB2	2.61E-04	0.62
ILMN_2066020	TCEB1	2.64E-04	0.57
ILMN_1786444	LPL	2.65E-04	-0.58
ILMN_1689655	HLA-DRA	2.66E-04	-0.51
ILMN_1701216	BANP	2.66E-04	0.63
ILMN_1656310	INDO	2.66E-04	-0.52
ILMN_1719543	MAF	2.67E-04	-0.49
ILMN_2269136	AGAP3	2.69E-04	0.55
ILMN_2339748	RNF13	2.70E-04	0.62
ILMN_1751941	LOC728772	2.71E-04	-0.52
ILMN_1800626	SESN1	2.74E-04	-0.47
ILMN_1799104	SPAG9	2.74E-04	0.48
ILMN_1717674	PEPD	2.74E-04	0.49
ILMN_1663257	ATP6V1C1	2.80E-04	0.40
ILMN_1792922	SOD2	2.81E-04	0.41
ILMN_2363392	TNFSF14	2.83E-04	0.52
ILMN_2077905	PTGFRN	2.85E-04	-0.26
ILMN_1653856	STS-1	2.85E-04	-0.46

ILMN_1674574	VNN1	2.85E-04	0.35
ILMN_1682312	CYBB	2.87E-04	-0.54
ILMN_1743570	CEACAM3	2.87E-04	-0.30
ILMN_1698323	PLEKHB2	2.87E-04	0.65
ILMN_1788931	DOCK8	2.87E-04	-0.46
ILMN_1704369	LIMA1	2.88E-04	-0.48
ILMN_1719696	PLD1	2.88E-04	0.49
ILMN_1727862	HPS4	2.88E-04	0.31
ILMN_1733270	CD163	2.91E-04	-0.72
ILMN_1656818	GPR141	2.93E-04	-0.32
ILMN_1770824	ARHGAP4	3.01E-04	-0.57
ILMN_1754076	CACNA2D3	3.01E-04	-0.99
ILMN_1659029	FAM116B	3.03E-04	-0.54
ILMN_2208455	DDHD1	3.05E-04	0.29
ILMN_1750792	VAC14	3.06E-04	0.21
ILMN_1804988	MOAP1	3.07E-04	0.52
ILMN_1748915	S100A12	3.14E-04	-0.35
ILMN_1740903	C7orf49	3.20E-04	-0.45
ILMN_1763500	GPR82	3.20E-04	-0.24
ILMN_1725675	ABCC6	3.20E-04	-0.19
ILMN_1798543	STK17B	3.25E-04	-0.39
ILMN_1867119		3.26E-04	1.09
ILMN_2049184	DNASE1L3	3.26E-04	0.28
ILMN_2078599	ACP5	3.26E-04	0.58
ILMN_2408946	PDE8A	3.26E-04	0.31
ILMN_1656837	RBP1	3.26E-04	-0.38
ILMN_1766079	SULT1C2	3.28E-04	0.55
ILMN_1771800	PRKCA	3.29E-04	-0.45
ILMN_1724407	TACC3	3.29E-04	-0.40
ILMN_1770338	TM4SF1	3.30E-04	0.82
ILMN_2129505	CYBASC3	3.30E-04	0.72
ILMN_1795918	CENTG3	3.32E-04	0.52
ILMN_1705570	H2AFY2	3.32E-04	0.52
ILMN_1725312	RASA1	3.33E-04	-0.58
ILMN_1733324	ITGB3	3.37E-04	0.30
ILMN_1658628	C14orf72	3.39E-04	0.27
ILMN_1716766	CEBPG	3.40E-04	0.46
ILMN_1791186	ARHGAP18	3.40E-04	-0.45
ILMN_1787265	ZNF503	3.44E-04	-0.43
ILMN_1787657	CLDN12	3.45E-04	0.43
ILMN_1723912	IFI44L	3.53E-04	-0.56
ILMN_1736441	PDXP	3.53E-04	0.46
ILMN_1769546	RIN2	3.53E-04	-0.54
ILMN_1702320	JAKMIP2	3.53E-04	0.46
ILMN_1718977	GADD45B	3.54E-04	0.34
ILMN_1744113	TNFAIP8L2	3.54E-04	-0.45

ILMN_1713124	AKR1C3	3.55E-04	0.56
ILMN_1743275	SH3RF3	3.58E-04	0.40
ILMN_1808404	RHBDF1	3.64E-04	0.67
ILMN_1667711	HRASLS3	3.67E-04	0.45
ILMN_1683923	MT1H	3.72E-04	-0.59
ILMN_2319588	OSGIN1	3.72E-04	0.30
ILMN_1699772	RRAGD	3.72E-04	0.60
ILMN_1710495	PAPLN	3.73E-04	0.43
ILMN_2340919	GRB10	3.76E-04	0.26
ILMN_1714197	ACSS2	3.77E-04	0.49
ILMN_1701621	SCO2	3.78E-04	-0.58
ILMN_1708248	LILRB1	3.78E-04	-0.26
ILMN_1763638	BCAR3	3.87E-04	0.45
ILMN_1802292	WDFY2	3.87E-04	-0.44
ILMN_1716264	ANKRD1	3.87E-04	0.60
ILMN_1686989	INSIG1	3.91E-04	0.55
ILMN_2136089	MTE	3.91E-04	-0.59
ILMN_1664761	TMEM138	4.04E-04	0.77
ILMN_1762594	NOD2	4.04E-04	-0.40
ILMN_1700955	TCTEX1D2	4.20E-04	0.45
ILMN_1814022	NR1H3	4.21E-04	0.54
ILMN_2172174	NP	4.21E-04	-0.44
ILMN_1793201	HAGHL	4.23E-04	0.46
ILMN_3235221	LOC644936	4.28E-04	-0.68
ILMN_1777061	ZSWIM6	4.33E-04	-0.58
ILMN_1676067	SEMA3G	4.36E-04	-0.16
ILMN_2168217	EBI2	4.36E-04	0.50
ILMN_1683313	ST3GAL1	4.41E-04	0.54
ILMN_1718982	BEST1	4.44E-04	-0.42
ILMN_1728106	TNF	4.44E-04	-0.45
ILMN_1800602	GCA	4.44E-04	-0.50
ILMN_1684368	C5orf62	4.46E-04	0.37
ILMN_2374865	ATF3	4.46E-04	0.73
ILMN_1727466	KCNMB4	4.46E-04	-0.44
ILMN_2377496	ERCC1	4.49E-04	-0.48
ILMN_1793474	INSIG1	4.54E-04	0.84
ILMN_2403730	ATP6V1H	4.54E-04	0.62
ILMN_2165867	DHCR7	4.55E-04	0.57
ILMN_2284744	HNMT	4.55E-04	-0.64
ILMN_3236945	PTPMT1	4.57E-04	0.50
ILMN_1768505	IL13RA1	4.57E-04	-0.51
ILMN_1659936	PPP1R15A	4.57E-04	0.69
ILMN_1799024	VAC14	4.57E-04	0.45
ILMN_1676372	CD209	4.59E-04	-0.36
ILMN_1770641	KLHL3	4.61E-04	-0.33
ILMN_1789094	NINL	4.61E-04	0.33

ILMN_1784661	TMEM2	4.64E-04	-0.44
ILMN_2267787	HPS1	4.64E-04	0.59
ILMN_1769926	DBN1	4.64E-04	-0.40
ILMN_3235964	HSPA7	4.64E-04	-0.42
ILMN_1804339	CAMK1G	4.71E-04	0.24
ILMN_1804822	SRXN1	4.74E-04	0.69
ILMN_2193706	HRK	4.76E-04	0.48
ILMN_1677511	PTGS2	4.76E-04	-0.26
ILMN_1701906	CD300C	4.81E-04	-0.53
ILMN_1690352	ADO	4.84E-04	0.47
ILMN_1779252	TRIM22	4.85E-04	-0.41
ILMN_1731048	TLR1	4.85E-04	-0.52
ILMN_1678671	KLHL24	4.89E-04	0.44
ILMN_2073604	EBP	4.92E-04	0.57
ILMN_1808325	TM4SF19	4.92E-04	0.87
ILMN_3226613	LOC729686	4.93E-04	0.37
ILMN_1677814	ABCC3	4.94E-04	-0.71
ILMN_1715543	ACOT1	4.97E-04	0.64
ILMN_1653466	HES4	4.98E-04	0.62
ILMN_1802106	APOBEC3G	4.98E-04	-0.48
ILMN_1670302	HK3	4.98E-04	-0.68
ILMN_1775405	ARL4A	4.98E-04	0.67
ILMN_1708167	CDCP1	4.98E-04	-0.22
ILMN_2173291	CYP4B1	4.99E-04	0.26
ILMN_2338197	LINS1	5.00E-04	0.38
ILMN_1652198	CCM2	5.01E-04	-0.39
ILMN_1668012	SLC25A13	5.04E-04	0.41
ILMN_1810584	IL1R1	5.04E-04	0.37
ILMN_1780533	RNASE6	5.06E-04	-0.55
ILMN_1705047	TLR8	5.09E-04	-0.60
ILMN_2092850	HPSE	5.13E-04	-0.46
ILMN_2182531	C18orf55	5.13E-04	-0.45
ILMN_1711786	NFE2	5.27E-04	-0.28
ILMN_2365465	XBP1	5.37E-04	0.63
ILMN_1772302	MTHFS	5.45E-04	0.52
ILMN_1726809	BHLHB3	5.47E-04	0.61
ILMN_1753135	ALK	5.58E-04	0.86
ILMN_1699574	NRP1	5.72E-04	-0.60
ILMN_2188374	XPOT	5.73E-04	0.52
ILMN_1654560	TLR6	5.74E-04	-0.51
ILMN_1663313	AMY1C	5.81E-04	-0.60
ILMN_1913060		5.81E-04	-0.63
ILMN_1659285	PSMG1	5.83E-04	0.49
ILMN_2225537	PTGR1	5.88E-04	0.61
ILMN_2409384	SIGLEC7	5.90E-04	-0.38
ILMN_1708534	PAX8	5.91E-04	0.34

ILMN_2171384	CXCL5	5.95E-04	-0.86
ILMN_1696974	ANG	5.95E-04	-0.58
ILMN_1739001	TACSTD2	5.96E-04	-0.59
ILMN_1751789	HNMT	5.98E-04	-0.54
ILMN_1716797	CD302	5.98E-04	-0.43
ILMN_2041101	ANXA2P1	5.98E-04	0.53
ILMN_1675448	ZFP36L1	5.98E-04	-0.52
ILMN_1727402	HCLS1	5.98E-04	-0.59
ILMN_1755937	ANXA2	5.99E-04	0.49
ILMN_1738095	PER2	6.04E-04	-0.47
ILMN_1658504	CHKA	6.06E-04	0.50
ILMN_1772387	TLR2	6.09E-04	-0.33
ILMN_1681415	SIGLEC7	6.10E-04	-0.37
ILMN_1796335	LPCAT2	6.11E-04	-0.62
ILMN_1821176		6.13E-04	-0.46
ILMN_2329914	SPRY1	6.16E-04	0.77
ILMN_2198515	ARRDC3	6.16E-04	-0.36
ILMN_1741014	SLC28A3	6.18E-04	0.55
ILMN_1766125	LONP1	6.21E-04	0.41
ILMN_1811736	ENTHD1	6.21E-04	0.58
ILMN_1710078	TMEM181	6.27E-04	0.48
ILMN_1716276	CCL4L2	6.28E-04	-0.42
ILMN_2409167	ANXA2	6.29E-04	0.40
ILMN_1698100	ANXA2P1	6.39E-04	0.46
ILMN_1783805	PNMA3	6.39E-04	0.35
ILMN_1651296	LOC143666	6.47E-04	0.21
ILMN_2109197	EPB41L3	6.54E-04	-0.62
ILMN_1654819	ZNF589	6.56E-04	0.47
ILMN_1790881	HNMT	6.57E-04	-0.56
ILMN_2073289	MTSS1	6.58E-04	-0.47
ILMN_2151739	CAT	6.60E-04	-0.54
ILMN_3240222	PRAGMIN	6.60E-04	-0.50
ILMN_1707585	SLC46A2	6.60E-04	-0.56
ILMN_1655444	LOC728492	6.62E-04	0.45
ILMN_1693650	FES	6.62E-04	-0.66
ILMN_2294976	RNASE4	6.70E-04	-0.48
ILMN_1728639	FCGR3B	6.71E-04	-0.30
ILMN_1775182	GSR	6.81E-04	0.52
ILMN_3248591	LTBP2	6.81E-04	-0.41
ILMN_1749591	ITGAL	6.81E-04	-0.40
ILMN_1725510	DHCR24	6.81E-04	0.48
ILMN_1792495	AHNAK	7.02E-04	0.24
ILMN_1700432	ITPKB	7.03E-04	0.41
ILMN_3237956	ZC3H12C	7.06E-04	0.44
ILMN_1733453	LOC284988	7.09E-04	0.41
ILMN_3200921	LOC642590	7.09E-04	0.51

ILMN_1694980	NAGLU	7.16E-04	0.45
ILMN_1729417	GENE	7.18E-04	0.34
ILMN_2216838	DKFZP586I1420	7.20E-04	-0.26
ILMN_1746846	TTLL4	7.22E-04	0.51
ILMN_1781580	BRI3	7.22E-04	0.54
ILMN_1805643	RILPL1	7.28E-04	0.53
ILMN_2338963	SLC29A1	7.35E-04	0.56
ILMN_1812926	ANTXR2	7.36E-04	-0.56
ILMN_2403228	CLEC12A	7.39E-04	-0.39
ILMN_1671392	KCNF1	7.44E-04	0.47
ILMN_1786823	ICAM2	7.44E-04	-0.43
ILMN_1806408	ACADVL	7.44E-04	-0.50
ILMN_1689518	PECAM1	7.47E-04	-0.55
ILMN_3247848	NCRNA00085	7.56E-04	-0.42
ILMN_1783621	CMPK2	7.62E-04	0.54
ILMN_3248263	CCDC93	7.64E-04	0.43
ILMN_1657111	C14orf78	7.67E-04	0.58
ILMN_2249720	LAT2	7.70E-04	-0.17
ILMN_1813625	TRIM25	7.71E-04	0.33
ILMN_1760778	ENG	7.71E-04	-0.60
ILMN_2401253	FAM13A	7.71E-04	-0.34
ILMN_1776157	42251	7.80E-04	0.48
ILMN_2092333	GPR141	7.81E-04	-0.44
ILMN_1662618	SQSTM1	7.81E-04	0.46
ILMN_2355033	KIAA1147	7.81E-04	-0.65
ILMN_2144088	FDFT1	7.86E-04	0.51
ILMN_1815190	METTL1	7.89E-04	0.58
ILMN_1804396	C14orf4	7.90E-04	-0.52
ILMN_1798006	ANKRD35	7.90E-04	-0.44
ILMN_1789196	TPM2	7.90E-04	-0.26
ILMN_2137312	KCNJ5	7.92E-04	0.27
ILMN_1723846	FAM119B	7.92E-04	0.51
ILMN_1750800	ACO1	7.92E-04	0.51
ILMN_1797310	ATP6V1D	7.92E-04	0.48
ILMN_1679995	MPP6	7.98E-04	0.19
ILMN_1724907	NUDT3	7.99E-04	-0.41
ILMN_3199755	LOC646821	8.01E-04	-0.28
ILMN_1670870	ALCAM	8.01E-04	-0.57
ILMN_1798288	MOBKL2C	8.05E-04	-0.43
ILMN_1730504	AGPAT4	8.05E-04	0.37
ILMN_1759818	SORL1	8.06E-04	-0.39
ILMN_1652680	LOC652616	8.13E-04	-0.41
ILMN_1660277	LOC731999	8.13E-04	0.40
ILMN_1680738	C5orf13	8.13E-04	0.34
ILMN_1695640	PTPN22	8.13E-04	-0.53
ILMN_3236239	LOC100129550	8.15E-04	-0.59

ILMN_1682930	SIPA1	8.16E-04	-0.55
ILMN_1771019	MTMR4	8.19E-04	0.49
ILMN_3273209	FLJ10489	8.19E-04	0.47
ILMN_1767934	PCSK5	8.24E-04	-0.36
ILMN_1696622	SLC38A6	8.31E-04	0.44
ILMN_1797728	HMGCS1	8.31E-04	0.62
ILMN_1745034	SLC11A2	8.34E-04	0.45
ILMN_1666733	IL8	8.34E-04	0.63
ILMN_1749006	RCSD1	8.36E-04	-0.38
ILMN_2162972	LYZ	8.42E-04	-0.81
ILMN_1733616	TFEB	8.44E-04	0.28
ILMN_1657977	MSRB2	8.44E-04	-0.51
ILMN_2148785	GBP1	8.54E-04	-0.69
ILMN_1792518	STX7	8.57E-04	0.52
ILMN_1797342	FNBP1	8.57E-04	-0.49
ILMN_2329927	ABCG1	8.57E-04	-0.33
ILMN_2352009	ACADVL	8.57E-04	-0.32
ILMN_1765557	OLFML2B	8.63E-04	-0.56
ILMN_1657708	MGLL	8.64E-04	0.38
ILMN_1774761	CCR2	8.66E-04	-0.24
ILMN_1748258	LINS1	8.76E-04	0.23
ILMN_1784553	SDC2	8.77E-04	-0.45
ILMN_1691846	G0S2	8.79E-04	0.44
ILMN_1655117	WDR19	8.81E-04	0.38
ILMN_1695759	AMDHD2	8.83E-04	0.45
ILMN_1730622	EVL	8.86E-04	-0.41
ILMN_2088124	TMEM154	8.88E-04	-0.29
ILMN_1685009	ITGAM	8.90E-04	-0.44
ILMN_1658176	ABCG1	9.02E-04	0.94
ILMN_1664691	DAPP1	9.11E-04	-0.32
ILMN_1757732	OSGIN2	9.18E-04	0.48
ILMN_1798256	UPP1	9.18E-04	0.80
ILMN_1756937	ST8SIA4	9.18E-04	-0.38
ILMN_3268914	LOC100128410	9.21E-04	0.48
ILMN_2336595	ACSS2	9.21E-04	0.42
ILMN_1680397	IL8RB	9.21E-04	-0.23
ILMN_1727284	CD4	9.22E-04	-0.41
ILMN_1720452	LONRF3	9.22E-04	0.37
ILMN_1796976	NLRC4	9.22E-04	-0.38
ILMN_3240900	LOC100134728	9.31E-04	-0.46
ILMN_1740742	UROD	9.31E-04	0.46
ILMN_1714417	PSEN2	9.33E-04	0.62
ILMN_1743241	ARL4A	9.38E-04	0.29
ILMN_2406501	SOD2	9.39E-04	0.58
ILMN_2214678	MXD1	9.55E-04	-0.53
ILMN_1698777	ADCK1	9.76E-04	0.30

ILMN_1720889	SC4MOL	9.82E-04	0.78
ILMN_1756696	USF2	9.84E-04	0.46
ILMN_1811719	MYO7A	9.87E-04	-0.24
ILMN_1721344	MOBK2A	9.87E-04	-0.44
ILMN_1798706	EBI2	9.87E-04	0.51
ILMN_1707720	SLC1A5	9.89E-04	0.46
ILMN_3249667	LOC100133678	9.92E-04	-0.64
ILMN_1803392	TAX1BP3	9.98E-04	-0.47
ILMN_1659470	PBRM1	1.00E-03	0.37
ILMN_1749070	HLA-DPB1	1.00E-03	-0.32
ILMN_2228035	HS3ST1	1.00E-03	-0.42
ILMN_1701248	TREM2	1.02E-03	-0.53
ILMN_1744212	INPP5D	1.02E-03	-0.51
ILMN_2154455	ZNF330	1.02E-03	0.41
ILMN_1685625	UCP2	1.02E-03	-0.45
ILMN_1743806	MIF4GD	1.03E-03	-0.47
ILMN_1794588	DYRK2	1.03E-03	0.38
ILMN_1670096	NRBP1	1.03E-03	0.35
ILMN_1687858	CALM2	1.04E-03	-0.42
ILMN_2368318	FGR	1.04E-03	0.49
ILMN_1727798	MOSPD1	1.06E-03	0.46
ILMN_1765858	CAB39	1.07E-03	-0.42
ILMN_1799744	GALC	1.07E-03	-0.51
ILMN_1788283	COTL1	1.07E-03	-0.50
ILMN_1766637	GLA	1.07E-03	0.46
ILMN_1808354	SLC4A7	1.09E-03	-0.47
ILMN_1743783	CCDC43	1.10E-03	0.40
ILMN_2384591	HN1	1.10E-03	-0.48
ILMN_1801077	PLIN2	1.12E-03	0.75
ILMN_1780582	CD83	1.12E-03	0.49
ILMN_1739050	PIPOX	1.12E-03	-0.20
ILMN_1832208		1.12E-03	0.59
ILMN_1761247	PIR	1.12E-03	0.50
ILMN_2185845	BRSK1	1.12E-03	-0.54
ILMN_2285817	FAM89A	1.12E-03	0.53
ILMN_1733311	PIGB	1.13E-03	-0.34
ILMN_1729691	SLC16A6	1.13E-03	0.42
ILMN_1782560	CD86	1.13E-03	-0.52
ILMN_2348487	EMR3	1.13E-03	-0.46
ILMN_3241554	KANK4	1.14E-03	0.46
ILMN_1751561	CAMK1D	1.14E-03	0.28
ILMN_1763828	MTF1	1.15E-03	-0.37
ILMN_1698766	PYCARD	1.15E-03	-0.46
ILMN_1773742	DNAJB9	1.15E-03	0.48
ILMN_1711608	SSBP2	1.15E-03	-0.44
ILMN_1788192	ARMCX1	1.16E-03	0.45

ILMN_3240586	PLD6	1.16E-03	0.38
ILMN_1672176	SMPD2	1.16E-03	0.25
ILMN_1768176	CXorf26	1.16E-03	0.49
ILMN_1689473	ATP6V1H	1.16E-03	0.45
ILMN_1847308		1.16E-03	-0.36
ILMN_2135272	GIMAP2	1.16E-03	-0.47
ILMN_2232712	MYO10	1.16E-03	0.31
ILMN_2340217	PTPRC	1.17E-03	-0.50
ILMN_1670263	C1orf71	1.17E-03	0.48
ILMN_1715885	PTPN22	1.17E-03	-0.41
ILMN_2232520	ANKRD28	1.18E-03	0.30
ILMN_1688480	CCND1	1.18E-03	-0.47
ILMN_1723971	SLC29A1	1.19E-03	0.64
ILMN_1776649	LRRK2	1.19E-03	-0.52
ILMN_1692535	DPP4	1.20E-03	0.38
ILMN_3251686	UBTD2	1.20E-03	0.44
ILMN_1810199	ASRGL1	1.20E-03	0.42
ILMN_1735014	KLF6	1.20E-03	0.49
ILMN_1656045	BRUNOL6	1.21E-03	0.25
ILMN_2205896	MEIS3P1	1.22E-03	-0.41
ILMN_1712390	CUTA	1.22E-03	0.49
ILMN_3289508	LOC339192	1.22E-03	-0.54
ILMN_1723412	ASCL2	1.22E-03	-0.49
ILMN_1790471	CICE	1.23E-03	0.57
ILMN_1711514	COCH	1.24E-03	-0.27
ILMN_1697309	NCF1	1.24E-03	-0.60
ILMN_1672596	BCAR1	1.24E-03	0.25
ILMN_1774380	LOC650898	1.24E-03	0.31
ILMN_3236428	TMEM170B	1.25E-03	-0.38
ILMN_2283597	FAM134B	1.25E-03	1.06
ILMN_1789638	MFSD2	1.25E-03	0.23
ILMN_1770085	BTG2	1.25E-03	-0.44
ILMN_1657862	AHCY	1.27E-03	0.44
ILMN_1668721	CCND3	1.28E-03	-0.47
ILMN_1652280	FBXO32	1.28E-03	0.35
ILMN_1779264	PSMG1	1.30E-03	0.48
ILMN_1660806	CSRP2	1.30E-03	0.51
ILMN_2352077	KL	1.30E-03	-0.25
ILMN_1727271	WARS	1.31E-03	0.63
ILMN_1725079	TSPAN31	1.31E-03	-0.56
ILMN_1670490	PDPN	1.31E-03	-0.42
ILMN_1687533	SEMA4D	1.33E-03	-0.42
ILMN_1691264	NAT8B	1.34E-03	-0.37
ILMN_1809433	XBP1	1.34E-03	0.55
ILMN_1742547	NRP1	1.34E-03	-0.31
ILMN_1746819	C5	1.34E-03	-0.41

ILMN_1667068	ZC3HAV1	1.34E-03	-0.44
ILMN_1838885	KIAA1632	1.35E-03	0.24
ILMN_1802380	RERE	1.36E-03	-0.35
ILMN_2338452	SERPINA1	1.37E-03	-0.51
ILMN_1749287	TLR6	1.37E-03	-0.22
ILMN_1667429	SLC25A20	1.38E-03	-0.36
ILMN_1674250	NCKAP1L	1.38E-03	-0.45
ILMN_3277905	LOC645313	1.39E-03	0.26
ILMN_3245458	SNORA61	1.40E-03	0.53
ILMN_1767349	ABCB4	1.40E-03	-0.20
ILMN_1776936	ANKRD38	1.40E-03	0.63
ILMN_1775170	MT1X	1.41E-03	-0.56
ILMN_2174574	HNRNPA3P1	1.42E-03	-0.33
ILMN_1726327	AMY1B	1.42E-03	-0.32
ILMN_1760027	WAS	1.42E-03	-0.49
ILMN_2305225	NDRG4	1.43E-03	0.53
ILMN_2132599	ANKRD22	1.43E-03	-0.35
ILMN_2399304	NAV2	1.45E-03	0.21
ILMN_1795158	FGR	1.46E-03	0.51
ILMN_1768553	LOC283050	1.46E-03	0.64
ILMN_2115340	HIST2H4A	1.46E-03	-0.41
ILMN_2324056	GNL3	1.47E-03	0.36
ILMN_1786426	TMEM149	1.47E-03	-0.52
ILMN_1815319	CMTM4	1.47E-03	-0.27
ILMN_2393296	GK	1.47E-03	0.49
ILMN_1687301	VCAN	1.48E-03	-0.25
ILMN_1684306	S100A4	1.49E-03	-0.42
ILMN_1795865	FGFRL1	1.50E-03	0.23
ILMN_1719139	LOC643424	1.50E-03	-0.26
ILMN_1702534	CD244	1.52E-03	-0.17
ILMN_2078592	C6orf105	1.52E-03	0.29
ILMN_1699767	PDE8A	1.52E-03	0.24
ILMN_1797531	PRKAG2	1.52E-03	0.52
ILMN_1815552	NTAN1	1.53E-03	0.51
ILMN_2152257	SSTR2	1.53E-03	0.37
ILMN_1755411	RBMS2	1.53E-03	-0.33
ILMN_2111187	ELOVL6	1.53E-03	0.41
ILMN_1776602	RNASE4	1.53E-03	-0.48
ILMN_1779547	HPSE	1.58E-03	-0.40
ILMN_1701114	GBP1	1.58E-03	-0.66
ILMN_1735156	SLC4A11	1.58E-03	0.22
ILMN_2178587	ANKRD6	1.59E-03	0.36
ILMN_2361603	NDRG2	1.59E-03	-0.56
ILMN_1716859	TDO2	1.60E-03	-0.30
ILMN_2220184	GFPT1	1.62E-03	0.34
ILMN_2041293	SQLE	1.62E-03	0.79

ILMN_1721136	H6PD	1.62E-03	-0.33
ILMN_2246661	FAHD1	1.62E-03	0.36
ILMN_1681503	MCM2	1.62E-03	0.23
ILMN_1709772	SNX5	1.63E-03	-0.38
ILMN_1882512		1.64E-03	0.34
ILMN_2094942	42064	1.65E-03	-0.61
ILMN_1757387	UCHL1	1.65E-03	0.62
ILMN_1765578	TIPARP	1.66E-03	0.43
ILMN_1794011	CHST2	1.66E-03	-0.31
ILMN_1736863	TMEM140	1.67E-03	0.47
ILMN_1709870	HES2	1.67E-03	0.45
ILMN_2324672	USF2	1.67E-03	0.46
ILMN_1723004	CD72	1.67E-03	-0.40
ILMN_1811957	CAMSAP1	1.67E-03	0.36
ILMN_3226012	LOC728698	1.69E-03	0.53
ILMN_1731433	ABP1	1.69E-03	-0.59
ILMN_1796490	GRINA	1.70E-03	0.46
ILMN_2335704	NCF4	1.71E-03	-0.45
ILMN_1657435	MT1M	1.71E-03	-0.47
ILMN_1775759	NRAS	1.75E-03	0.37
ILMN_2320888	CXCR4	1.75E-03	0.55
ILMN_1731745	NINJ2	1.75E-03	-0.50
ILMN_1715416	NUP188	1.75E-03	0.26
ILMN_2106725	NCF1B	1.75E-03	-0.32
ILMN_1802100	ADAM28	1.75E-03	-0.26
ILMN_1661264	SHMT2	1.75E-03	0.44
ILMN_1670134	FADS1	1.75E-03	0.46
ILMN_1793730	TM7SF4	1.75E-03	0.57
ILMN_1723268	FAIM	1.76E-03	0.29
ILMN_2309180	SMARCD3	1.78E-03	0.34
ILMN_1705984	HNMT	1.78E-03	-0.33
ILMN_2341611	CDCP1	1.78E-03	-0.29
ILMN_2404154	SERPINA1	1.79E-03	-0.50
ILMN_2277676	ERCC1	1.81E-03	-0.46
ILMN_1686706	SIGLEC7	1.81E-03	-0.21
ILMN_2358069	MAD1L1	1.82E-03	0.35
ILMN_1854833		1.82E-03	-0.26
ILMN_2328666	CD83	1.82E-03	0.50
ILMN_1655930	ELL2	1.83E-03	-0.40
ILMN_1687757	AKR1C4	1.83E-03	0.37
ILMN_1656378	NMT2	1.83E-03	0.40
ILMN_2337740	TULP4	1.84E-03	0.38
ILMN_3247023	FLJ22536	1.84E-03	-0.50
ILMN_1685781	C14orf142	1.85E-03	0.38
ILMN_2357419	LILRA5	1.86E-03	-0.37
ILMN_1745079	TRIM2	1.87E-03	0.21

ILMN_1795236	SIGLEC9	1.87E-03	-0.30
ILMN_2398107	ASNS	1.88E-03	0.40
ILMN_1803997	SDCCAG3	1.88E-03	0.34
ILMN_1814305	SAMD9	1.89E-03	-0.39
ILMN_1687315	RXRA	1.89E-03	-0.40
ILMN_2390310	C17orf91	1.89E-03	0.33
ILMN_1784300	TUBA4A	1.89E-03	-0.44
ILMN_1805098	PDE1B	1.90E-03	-0.19
ILMN_2219683	NEU4	1.91E-03	0.18
ILMN_1658407	SLC43A3	1.91E-03	0.42
ILMN_1674394	C20orf3	1.91E-03	-0.47
ILMN_1733579	EVI2A	1.91E-03	-0.43
ILMN_1728512	YWHAH	1.91E-03	-0.56
ILMN_1681601	SUCNR1	1.92E-03	0.64
ILMN_1806106	GNL3	1.92E-03	0.34
ILMN_1695711	FAM105A	1.92E-03	-0.41
ILMN_3242586	RHOU	1.93E-03	-0.47
ILMN_2154052	FVT1	1.93E-03	0.46
ILMN_3238814	LOC100170939	1.94E-03	-0.25
ILMN_1778161	DNAJC25	1.94E-03	0.32
ILMN_1724863	TICAM1	1.95E-03	0.38
ILMN_1742089	NLN	1.95E-03	0.37
ILMN_2396991	HCST	1.97E-03	-0.50
ILMN_1809850	RCN3	1.98E-03	-0.22
ILMN_1673548	HSPC159	1.98E-03	0.46
ILMN_3235704	GGT3	1.98E-03	-0.40
ILMN_2157441	HLA-DRA	1.98E-03	-0.51
ILMN_1781983	AP1B1	1.98E-03	-0.50
ILMN_1654389	LOC728744	2.00E-03	-0.31
ILMN_1726545	LILRA5	2.00E-03	-0.25
ILMN_2063925	CTNBL1	2.01E-03	0.46
ILMN_1706344	ABHD6	2.02E-03	0.40
ILMN_2263718	SPAG9	2.03E-03	0.39
ILMN_1651950	TPST1	2.05E-03	0.39
ILMN_1763127	CCBP2	2.06E-03	-0.16
ILMN_1715273	PICALM	2.06E-03	-0.55
ILMN_2179726	C16orf93	2.06E-03	-0.34
ILMN_3249477	CHIT1	2.06E-03	0.39
ILMN_1765204	ST13	2.08E-03	0.37
ILMN_1900520		2.09E-03	-0.20
ILMN_1765446	EMP3	2.09E-03	0.56
ILMN_1768595	DLG4	2.10E-03	-0.32
ILMN_1779147	ENC1	2.11E-03	-0.53
ILMN_1651705	CAT	2.12E-03	-0.58
ILMN_1728435	C12orf45	2.13E-03	0.40
ILMN_2165473	MID1IP1	2.13E-03	0.43

ILMN_1810559	RHOQ	2.13E-03	0.43
ILMN_2370208	CMTM3	2.14E-03	-0.32
ILMN_1655935	ADCY7	2.14E-03	-0.42
ILMN_2211003	GAS2L3	2.14E-03	0.30
ILMN_1693334	P4HA1	2.18E-03	-0.42
ILMN_1684770	USF2	2.19E-03	0.18
ILMN_2091920	PTCRA	2.19E-03	-0.38
ILMN_1694305	SMS	2.19E-03	0.44
ILMN_1699520	SLC8A1	2.19E-03	-0.16
ILMN_2357438	AURKA	2.21E-03	-0.29
ILMN_1703969	KIAA0251	2.21E-03	0.39
ILMN_1741200	RFX5	2.22E-03	-0.43
ILMN_1778064	FICD	2.23E-03	0.43
ILMN_2374244	DYRK2	2.24E-03	0.49
ILMN_1760620	TMEM33	2.25E-03	0.41
ILMN_1733390	LARP1B	2.27E-03	0.32
ILMN_1725471	GK	2.27E-03	0.46
ILMN_1791232	SPRED2	2.29E-03	-0.30
ILMN_1805842	FHL1	2.29E-03	-0.27
ILMN_1680314	TXN	2.29E-03	0.34
ILMN_1660880	RNH1	2.30E-03	0.47
ILMN_1749071	CNIH3	2.30E-03	0.39
ILMN_2275502	RAPH1	2.31E-03	-0.19
ILMN_1655702	ABHD5	2.32E-03	0.41
ILMN_1671731	AVPI1	2.33E-03	0.37
ILMN_1682996	VWA5A	2.33E-03	0.43
ILMN_1699750	ABHD9	2.36E-03	-0.20
ILMN_1776109	ZNF622	2.37E-03	0.42
ILMN_1773388	C13orf18	2.37E-03	-0.26
ILMN_3294322	LOC441009	2.37E-03	-0.33
ILMN_1732296	ID3	2.38E-03	-0.58
ILMN_1798372	ANXA2P3	2.39E-03	0.32
ILMN_1746704	TRIM8	2.39E-03	-0.40
ILMN_1652677	FAM89A	2.40E-03	0.29
ILMN_2098446	PMAIP1	2.40E-03	-0.40
ILMN_2203729	HCG4	2.40E-03	0.32
ILMN_1725666	GTF2H3	2.40E-03	0.31
ILMN_1787680	SELS	2.40E-03	0.45
ILMN_1674698	AARS2	2.41E-03	-0.31
ILMN_1713638	NIPAL4	2.41E-03	0.73
ILMN_1809931	NDRG1	2.43E-03	0.46
ILMN_1680591	RTKN	2.43E-03	0.32
ILMN_1815500	ITPR3	2.45E-03	0.38
ILMN_1704730	CD93	2.45E-03	-0.60
ILMN_2231928	MX2	2.45E-03	-0.40
ILMN_1786429	P2RY5	2.46E-03	-0.54

ILMN_1792075	CD22	2.46E-03	0.18
ILMN_1788778	42258	2.46E-03	0.40
ILMN_1677607	SC5DL	2.46E-03	0.49
ILMN_1773363	CIITA	2.46E-03	-0.32
ILMN_1788547	GCLM	2.48E-03	0.61
ILMN_1799848	ANKRD22	2.49E-03	-0.37
ILMN_1711223	LOC649362	2.51E-03	-0.63
ILMN_1766896	ZDHHC19	2.52E-03	0.45
ILMN_3202568	LOC643768	2.52E-03	0.21
ILMN_1751868	TCTEX1D1	2.54E-03	-0.34
ILMN_1751898	C12orf4	2.56E-03	0.33
ILMN_1730347	CCDC115	2.57E-03	0.52
ILMN_2050255	UCKL1	2.58E-03	0.29
ILMN_2412139	CABYR	2.58E-03	-0.22
ILMN_1674983	LOC387841	2.59E-03	-0.33
ILMN_1692163	NSDHL	2.59E-03	0.42
ILMN_2115005	FGD2	2.61E-03	-0.61
ILMN_1687751	BAALC	2.61E-03	0.23
ILMN_1754660	ZCCHC24	2.62E-03	-0.30
ILMN_1752562	CXCL5	2.62E-03	-0.55
ILMN_2055477	EXOSC7	2.62E-03	0.37
ILMN_1687612	PPARG	2.62E-03	0.31
ILMN_1764861	ISOC1	2.62E-03	0.36
ILMN_3241378	LOC728448	2.64E-03	0.27
ILMN_3243190	EMR4P	2.64E-03	-0.28
ILMN_1701514	TRAF3IP2	2.65E-03	-0.43
ILMN_1680104	SLC35C1	2.69E-03	0.28
ILMN_2342638	ASGR2	2.71E-03	-0.13
ILMN_1716596	NSMAF	2.71E-03	0.37
ILMN_2358919	TP53I3	2.71E-03	-0.38
ILMN_2376205	LTB	2.71E-03	-0.26
ILMN_1654630	FAM193B	2.77E-03	-0.30
ILMN_1743199	EGR2	2.78E-03	0.59
ILMN_1906423		2.78E-03	-0.32
ILMN_1652638	LRRRC58	2.78E-03	0.30
ILMN_1793729	C15orf39	2.78E-03	-0.23
ILMN_1695829	TTYH2	2.79E-03	0.40
ILMN_1799106	MOSC1	2.80E-03	-0.36
ILMN_2415529	CDK5RAP2	2.81E-03	0.36
ILMN_1805903	DOK2	2.81E-03	-0.14
ILMN_1716815	CEACAM1	2.81E-03	-0.26
ILMN_1699665	CLIC6	2.81E-03	0.34
ILMN_1807719	CTNS	2.82E-03	0.44
ILMN_1798654	MCM6	2.83E-03	0.38
ILMN_1815895	LOC649143	2.83E-03	-0.55
ILMN_1739428	IFIT2	2.83E-03	-0.43

ILMN_1797425	DDX55	2.84E-03	0.38
ILMN_1694780	GCHFR	2.85E-03	0.48
ILMN_1767365	PAK1	2.86E-03	-0.42
ILMN_2357809	G3BP1	2.86E-03	0.31
ILMN_1776723	PHF11	2.87E-03	-0.38
ILMN_1707748	PIM3	2.88E-03	0.39
ILMN_1684289	PNPO	2.89E-03	-0.45
ILMN_1672128	ATF4	2.92E-03	0.36
ILMN_2053921	CAPZB	2.95E-03	-0.40
ILMN_1691860	SPRY1	2.95E-03	0.42
ILMN_2189859	FLJ38482	3.01E-03	0.40
ILMN_1696591	RB1	3.03E-03	-0.44
ILMN_1771003	HAUS4	3.03E-03	-0.41
ILMN_1654518	LRCH4	3.05E-03	-0.40
ILMN_1705302	FCGRT	3.05E-03	-0.49
ILMN_2188862	GDF15	3.05E-03	0.75
ILMN_1697652	PLEKHB2	3.05E-03	0.47
ILMN_1737406	KLF6	3.05E-03	0.64
ILMN_1706523	FCGR2A	3.05E-03	-0.42
ILMN_1709486	SRPX	3.05E-03	0.27
ILMN_1711702	CLEC2D	3.05E-03	0.37
ILMN_1670535	NDRG2	3.05E-03	-0.34
ILMN_1788024	PCID2	3.05E-03	0.49
ILMN_1675191	GAPT	3.06E-03	-0.80
ILMN_3235832	LOC728835	3.10E-03	-0.40
ILMN_1756355	NDUFS3	3.10E-03	0.42
ILMN_1775268	HECW2	3.11E-03	-0.11
ILMN_1689327	LOC730534	3.12E-03	-0.37
ILMN_1707310	MGLL	3.12E-03	0.17
ILMN_1760718	ZMIZ2	3.12E-03	0.30
ILMN_3233179	LOC728969	3.14E-03	0.44
ILMN_2043809	PFKM	3.15E-03	0.45
ILMN_1674593	SIGLEC11	3.15E-03	-0.22
ILMN_1794782	ABCG1	3.15E-03	-0.58
ILMN_2109343	SGTB	3.15E-03	0.28
ILMN_2089616	FBXO10	3.15E-03	0.27
ILMN_1796417	ASNS	3.15E-03	0.38
ILMN_2072101	C4orf49	3.19E-03	-0.14
ILMN_1659075	HLA-DOA	3.19E-03	-0.17
ILMN_2072296	CKS2	3.20E-03	0.38
ILMN_1842850		3.23E-03	0.34
ILMN_1801939	CCNB2	3.23E-03	-0.21
ILMN_1704753	EPAS1	3.24E-03	0.40
ILMN_3249435	UBASH3B	3.24E-03	-0.23
ILMN_1671891	PID1	3.24E-03	-0.18
ILMN_1719906	HADH	3.24E-03	-0.44

ILMN_1758281	CALCRL	3.25E-03	-0.18
ILMN_2318643	TGIF1	3.26E-03	0.41
ILMN_1890614		3.27E-03	-0.31
ILMN_2318685	ABHD12	3.29E-03	0.41
ILMN_2403237	CHN2	3.30E-03	-0.43
ILMN_1684054	ASAH1	3.30E-03	0.51
ILMN_1668910	CIDEB	3.30E-03	-0.17
ILMN_1765146	IFNAR2	3.33E-03	-0.36
ILMN_1798249	AK3L1	3.35E-03	0.37
ILMN_2332964	LGMN	3.35E-03	0.48
ILMN_1653738	INTS4	3.35E-03	0.18
ILMN_1667306	RANBP10	3.35E-03	0.31
ILMN_1700047	ALAS1	3.36E-03	0.19
ILMN_1714167	CYB5A	3.36E-03	0.43
ILMN_2181892	BEX2	3.37E-03	0.45
ILMN_1764383	MCOLN1	3.37E-03	0.34
ILMN_2376455	CSF2RA	3.38E-03	-0.38
ILMN_2092664	ADSS	3.38E-03	0.39
ILMN_1750008	SUPV3L1	3.39E-03	0.53
ILMN_1715131	CCR7	3.39E-03	0.67
ILMN_1655821	CAPG	3.42E-03	0.41
ILMN_1776052	LOC148915	3.43E-03	-0.40
ILMN_2378952	GPX4	3.46E-03	0.42
ILMN_1783149	CDH23	3.47E-03	0.16
ILMN_1655011	SERF1B	3.48E-03	0.32
ILMN_1801043	GSN	3.50E-03	-0.51
ILMN_3251467	LRRRC58	3.51E-03	0.34
ILMN_1653708	CORO1B	3.55E-03	-0.42
ILMN_1705686	NRGN	3.55E-03	-0.28
ILMN_1682572	KIAA0528	3.57E-03	-0.35
ILMN_1651610	LOC730525	3.57E-03	0.38
ILMN_1761797	CSTB	3.57E-03	0.31
ILMN_1658494	C13orf15	3.60E-03	0.41
ILMN_1782741	CD300LB	3.62E-03	-0.16
ILMN_2167426	ASPHD2	3.62E-03	-0.20
ILMN_1691339	CLEC1A	3.62E-03	-0.17
ILMN_1679929	KLF13	3.63E-03	-0.38
ILMN_1807423	IGF2BP3	3.63E-03	0.31
ILMN_1668743	LOC728069	3.63E-03	0.42
ILMN_1711899	ANXA2	3.65E-03	0.52
ILMN_1717934	SYT11	3.65E-03	-0.52
ILMN_2396444	CD14	3.66E-03	-0.42
ILMN_3199780	LOC401076	3.67E-03	-0.39
ILMN_2241187	CRYM	3.67E-03	0.40
ILMN_2235137	FANCD2	3.67E-03	-0.22
ILMN_1802780	M160	3.67E-03	-0.23

ILMN_1763144	NEU1	3.67E-03	0.41
ILMN_2052891	PKD2	3.69E-03	0.39
ILMN_1683774	IL2RA	3.69E-03	-0.27
ILMN_3198367	LOC646347	3.70E-03	0.47
ILMN_1787115	VWTR1	3.70E-03	0.19
ILMN_2044572	TBC1D20	3.70E-03	0.27
ILMN_1747577	ALAD	3.71E-03	-0.32
ILMN_1716507	EPB41L1	3.72E-03	0.29
ILMN_1808196	GSTO1	3.73E-03	0.34
ILMN_2052335	MYOC	3.74E-03	0.45
ILMN_1762712	HHEX	3.74E-03	-0.36
ILMN_2103362	ARHGAP27	3.76E-03	-0.18
ILMN_1803256	STOX2	3.76E-03	0.36
ILMN_1696946	LOC654174	3.76E-03	0.40
ILMN_1678490	RILPL2	3.79E-03	0.56
ILMN_1719627	SLC27A3	3.80E-03	-0.44
ILMN_2380418	BICD2	3.80E-03	-0.39
ILMN_2398274	PYCARD	3.80E-03	-0.35
ILMN_2366212	CD79B	3.80E-03	-0.33
ILMN_1807873	SNX6	3.81E-03	-0.39
ILMN_1674285	LOC401233	3.83E-03	-0.39
ILMN_2320349	BACE1	3.83E-03	-0.26
ILMN_1691127	VTN	3.84E-03	-0.19
ILMN_1725130	FAM50A	3.85E-03	0.50
ILMN_1810100	PBX3	3.85E-03	0.40
ILMN_1811973	PPARD	3.85E-03	0.10
ILMN_1696933	NLRP3	3.86E-03	-0.17
ILMN_1666546	DUSP14	3.88E-03	0.40
ILMN_1803941	TBC1D15	3.89E-03	0.36
ILMN_1779828	EDEM1	3.95E-03	-0.33
ILMN_1754121	CSK	3.96E-03	-0.43
ILMN_1689842	SC4MOL	3.97E-03	0.94
ILMN_1786273	C1orf122	3.97E-03	-0.42
ILMN_1745217	FLJ10081	3.97E-03	0.36
ILMN_1656011	RGS1	3.98E-03	0.84
ILMN_1788844	BCL7C	3.98E-03	0.27
ILMN_1660462	MCOLN2	4.02E-03	0.38
ILMN_1780197	TBC1D24	4.03E-03	0.21
ILMN_2390162	PHF11	4.03E-03	-0.42
ILMN_1763539	IER3IP1	4.03E-03	0.34
ILMN_1792182	RDH12	4.04E-03	0.12
ILMN_1720083	EHD4	4.07E-03	-0.42
ILMN_1700044	SAP130	4.07E-03	0.28
ILMN_2195236	PGRMC2	4.07E-03	0.38
ILMN_1716195	HIST1H2BG	4.09E-03	-0.20
ILMN_1784320	ELMO1	4.09E-03	-0.44

ILMN_1793615	ME3	4.10E-03	0.16
ILMN_2339294	LILRB5	4.12E-03	-0.42
ILMN_1799467	SAMD9L	4.12E-03	-0.40
ILMN_1734353	GPX4	4.13E-03	0.39
ILMN_2076463	SLC15A4	4.15E-03	0.39
ILMN_1660844	INTS4	4.16E-03	0.33
ILMN_1651776	FHOD1	4.16E-03	-0.29
ILMN_1699695	TNFRSF21	4.16E-03	-0.55
ILMN_2114568	GBP5	4.16E-03	-0.40
ILMN_1671028	THRAP3	4.19E-03	0.40
ILMN_1730660	GALIG	4.20E-03	0.44
ILMN_2364384	PPARG	4.22E-03	0.41
ILMN_1717052	STARD10	4.24E-03	0.31
ILMN_3242271	GAPT	4.26E-03	-0.47
ILMN_1659106	PHLDA3	4.27E-03	0.32
ILMN_1704916	KU-MEL-3	4.31E-03	0.26
ILMN_1684982	PDK4	4.36E-03	-0.54
ILMN_1672834	SSH2	4.37E-03	-0.37
ILMN_1790603	ATPAF1	4.37E-03	-0.37
ILMN_1880280		4.44E-03	-0.18
ILMN_1787193	CYP2S1	4.44E-03	-0.20
ILMN_1652163	DVL2	4.45E-03	0.25
ILMN_1728742	C5orf4	4.46E-03	-0.35
ILMN_1807042	MARCKS	4.46E-03	-0.39
ILMN_1782938	SLC16A10	4.47E-03	-0.41
ILMN_1704842	ARL4A	4.47E-03	0.16
ILMN_1660364	PSCD4	4.47E-03	-0.51
ILMN_1802082	PRDM8	4.48E-03	-0.17
ILMN_1655990	CDK5RAP2	4.49E-03	0.35
ILMN_1677736	TMEM104	4.49E-03	0.20
ILMN_1758323	ACPP	4.50E-03	-0.22
ILMN_1709043	C9orf46	4.50E-03	0.35
ILMN_1890253		4.51E-03	0.45
ILMN_1680955	AURKA	4.52E-03	-0.28
ILMN_1701441	LPAR1	4.52E-03	-0.32
ILMN_1738971	USP54	4.52E-03	0.13
ILMN_1661695	IRAK3	4.52E-03	0.34
ILMN_2210129	PRIM1	4.52E-03	-0.22
ILMN_1695485	C9orf109	4.52E-03	-0.30
ILMN_1695792	CUL4A	4.53E-03	0.36
ILMN_1694177	PCNA	4.54E-03	-0.33
ILMN_1748767	LOC730740	4.55E-03	-0.35
ILMN_2369603	CPEB1	4.55E-03	0.35
ILMN_2109416	NAPSB	4.56E-03	-0.63
ILMN_1750395	MBD2	4.59E-03	-0.30
ILMN_1665331	AMT	4.59E-03	-0.35

ILMN_3232894	CNRIP1	4.64E-03	-0.51
ILMN_1863284		4.64E-03	-0.26
ILMN_1855278		4.64E-03	0.33
ILMN_1768798	SPAG9	4.65E-03	0.23
ILMN_1784287	TGFBR3	4.71E-03	0.19
ILMN_1707717	BAALC	4.71E-03	0.12
ILMN_1814952	FLCN	4.72E-03	0.18
ILMN_2060115	SORL1	4.73E-03	-0.33
ILMN_1720270	CDR2	4.75E-03	0.35
ILMN_2305544	DBI	4.75E-03	0.39
ILMN_1715809	OGFRL1	4.83E-03	0.42
ILMN_1799837	LOC727848	4.86E-03	-0.14
ILMN_3236904	LOC648740	4.86E-03	-0.21
ILMN_1661196	CSF2RA	4.86E-03	-0.35
ILMN_1807662	IGF2R	4.89E-03	0.39
ILMN_1713058	PSTPIP2	4.89E-03	-0.46
ILMN_1669424	LOC646531	4.89E-03	0.50
ILMN_1763447	PLXNB2	4.89E-03	-0.53
ILMN_1714108	TP53INP1	4.89E-03	-0.32
ILMN_1700413	MAFF	4.89E-03	0.26
ILMN_2335813	GCH1	4.90E-03	-0.16
ILMN_1671451	LOC654201	4.91E-03	0.29
ILMN_2121389	ACOT1	4.92E-03	0.33
ILMN_1772131	IL1R2	4.92E-03	-0.54
ILMN_1691334	TXNDC3	4.94E-03	-0.21
ILMN_1712708	TRIM47	4.95E-03	0.31
ILMN_1721127	HIST1H3D	4.95E-03	-0.39
ILMN_1773760	PAICS	4.97E-03	0.29
ILMN_1791006	AHI1	4.97E-03	0.21
ILMN_1737087	WDR5	4.98E-03	0.16
ILMN_2066060	HLA-DRB6	4.98E-03	-0.38
ILMN_1737255	C22orf36	4.98E-03	0.18
ILMN_1692545	LOC646849	5.03E-03	0.35
ILMN_1800837	CFDP1	5.04E-03	0.33
ILMN_3193271	IRG1	5.07E-03	-0.16
ILMN_1794594	RASGRP2	5.07E-03	-0.14
ILMN_1715214	PTPN7	5.09E-03	-0.33
ILMN_2207561	C4orf16	5.09E-03	0.21
ILMN_1758827	RTN4IP1	5.09E-03	-0.27
ILMN_1680928	DNM3	5.10E-03	0.26
ILMN_1771949	TAF4B	5.12E-03	0.14
ILMN_1785646	PMP22	5.13E-03	-0.41
ILMN_3194508	ASAP2	5.13E-03	0.19
ILMN_2330597	PQLC2	5.14E-03	0.26
ILMN_1699071	C21orf7	5.14E-03	-0.55
ILMN_1752932	MPZL2	5.14E-03	-0.29

ILMN_1805693	GMIP	5.14E-03	-0.32
ILMN_3224926	RBM47	5.14E-03	0.34
ILMN_2349658	TSPO	5.15E-03	0.31
ILMN_1695423	CD9	5.16E-03	0.45
ILMN_1787718	SLC27A1	5.18E-03	0.34
ILMN_1717572	PGA5	5.19E-03	-0.12
ILMN_1730685	MRPL16	5.19E-03	-0.34
ILMN_1743301	MSR1	5.19E-03	-0.38
ILMN_2379718	RAB24	5.21E-03	-0.31
ILMN_1756326	CKS2	5.21E-03	0.33
ILMN_2264205	ZBTB8A	5.23E-03	0.13
ILMN_1677446	TMEM189- UBE2V1	5.24E-03	0.33
ILMN_2048607	ANKRD9	5.26E-03	0.35
ILMN_2370872	GRINA	5.26E-03	0.35
ILMN_3212284	LOC645693	5.26E-03	-0.22
ILMN_1664153	SLC30A5	5.29E-03	0.46
ILMN_2412172	APOBEC3F	5.31E-03	-0.24
ILMN_1706959	TIMM22	5.31E-03	-0.37
ILMN_2388975	CERK	5.32E-03	-0.38
ILMN_1662896	BRWD2	5.32E-03	-0.41
ILMN_1703244	MAP1LC3B	5.32E-03	0.30
ILMN_1682799	STAMBPL1	5.32E-03	-0.20
ILMN_1683950	SNX11	5.33E-03	-0.43
ILMN_1768110	ZAK	5.34E-03	0.35
ILMN_2157099	CCNA1	5.35E-03	0.43
ILMN_1674050	COL8A2	5.36E-03	0.55
ILMN_1772241	SQLE	5.37E-03	0.49
ILMN_1780618	TMEM192	5.37E-03	0.27
ILMN_1778836	SFRS7	5.40E-03	-0.46
ILMN_1703411	PARP3	5.40E-03	0.19
ILMN_1688670	CDCP1	5.40E-03	-0.18
ILMN_1806023	JUN	5.40E-03	0.44
ILMN_1735495	TBC1D8	5.43E-03	-0.35
ILMN_1698752	NLRX1	5.43E-03	-0.17
ILMN_2082209	C20orf100	5.45E-03	-0.49
ILMN_1800164	PPFIA1	5.46E-03	0.38
ILMN_2229261	SIGLEC16	5.49E-03	-0.83
ILMN_2094061	IMPA2	5.51E-03	-0.31
ILMN_1761829	HK1	5.52E-03	-0.34
ILMN_1807493	ACVRL1	5.56E-03	-0.19
ILMN_2053103	SLC40A1	5.57E-03	-0.49
ILMN_1762294	ADAMTSL4	5.59E-03	-0.23
ILMN_1796336	MAP1S	5.60E-03	-0.26
ILMN_1746171	H2AFY	5.61E-03	0.42
ILMN_1786388	RNF113A	5.61E-03	0.39

ILMN_1662640	C2orf127	5.63E-03	-0.45
ILMN_2331087	MS4A7	5.63E-03	-0.39
ILMN_1731181	TEX2	5.65E-03	0.37
ILMN_1735360	SDAD1	5.65E-03	0.45
ILMN_1796508	TOP1MT	5.65E-03	0.36
ILMN_1654696	C15orf48	5.65E-03	0.47
ILMN_1724495	SESTD1	5.65E-03	-0.32
ILMN_1734855	SELPLG	5.73E-03	-0.15
ILMN_1736796	RB1CC1	5.74E-03	0.37
ILMN_1735275	WDSUB1	5.74E-03	0.43
ILMN_1673305	RHOC	5.77E-03	-0.37
ILMN_1723235	DUS3L	5.77E-03	0.26
ILMN_1702487	SGK	5.77E-03	0.40
ILMN_1685005	TNFRSF1A	5.85E-03	-0.36
ILMN_2170813	LAMP3	5.86E-03	-0.54
ILMN_1743456	ZCCHC14	5.86E-03	0.24
ILMN_1710906	RNF145	5.89E-03	0.32
ILMN_1756238	TMEM217	5.89E-03	0.25
ILMN_1742705	SLC39A11	5.90E-03	0.34
ILMN_1721623	APOO	5.96E-03	0.39
ILMN_2162989	TMEM189	5.97E-03	0.45
ILMN_1652065	KCNMB1	5.98E-03	-0.34
ILMN_2048636	ME2	5.99E-03	-0.44
ILMN_2182148	C2orf32	5.99E-03	-0.21
ILMN_1720282	NQO1	6.00E-03	0.43
ILMN_2415329	SULT1C2	6.00E-03	0.36
ILMN_1777233	E2F2	6.01E-03	0.34
ILMN_1776850	ITGB1BP3	6.02E-03	0.30
ILMN_1733956	IARS	6.03E-03	0.43
ILMN_1809417	LRFN4	6.04E-03	0.27
ILMN_3242016	POTEE	6.04E-03	-0.16
ILMN_2207562	C4orf16	6.04E-03	0.22
ILMN_1760062	IFI44	6.08E-03	-0.48
ILMN_1664051	SEC22C	6.08E-03	0.34
ILMN_2232478	APOBEC3G	6.10E-03	-0.29
ILMN_1781155	LYN	6.10E-03	-0.33
ILMN_1796339	PLEKHA2	6.10E-03	0.37
ILMN_1727606	C12orf59	6.18E-03	-0.23
ILMN_1803739	RPGRIP1	6.19E-03	-0.22
ILMN_1797522	DUSP3	6.19E-03	0.37
ILMN_1721833	IER5	6.20E-03	-0.36
ILMN_1726448	MMP1	6.23E-03	0.30
ILMN_1720113	PTPRO	6.24E-03	-0.36
ILMN_1767377	LOC153561	6.27E-03	-0.29
ILMN_1666122	HEG1	6.27E-03	0.31
ILMN_1723139	GPD2	6.30E-03	0.25

ILMN_1869109		6.30E-03	-0.35
ILMN_1755974	ALDOC	6.30E-03	0.34
ILMN_1760347	SRGN	6.30E-03	-0.41
ILMN_3305938	SGK1	6.30E-03	0.44
ILMN_1770623	FAM58A	6.36E-03	0.35
ILMN_1696713	POLA2	6.37E-03	-0.29
ILMN_2066066	HLA-DRB6	6.44E-03	-0.37
ILMN_1662932	LCP1	6.45E-03	-0.31
ILMN_1751753	IDH2	6.45E-03	-0.34
ILMN_1740418	CYP27B1	6.46E-03	0.80
ILMN_1703074	CPD	6.48E-03	0.46
ILMN_1656285	METTL7A	6.51E-03	-0.40
ILMN_1803745	SUOX	6.51E-03	-0.36
ILMN_2124802	MT1H	6.52E-03	-0.31
ILMN_2319913	DGKA	6.53E-03	-0.19
ILMN_1713603	PRKCB1	6.53E-03	0.28
ILMN_1812384	NR3C1	6.57E-03	-0.21
ILMN_1744968	KCNAB1	6.57E-03	0.46
ILMN_1682588	LOC643461	6.57E-03	0.13
ILMN_3202002	LOC643332	6.57E-03	-0.09
ILMN_3284119	LOC399804	6.57E-03	0.51
ILMN_1693345	CPEB1	6.57E-03	0.30
ILMN_1673543	PGM2	6.57E-03	-0.29
ILMN_1738675	PTPN6	6.57E-03	-0.38
ILMN_1690125	PDLIM7	6.61E-03	-0.31
ILMN_3238435	SNORA12	6.61E-03	0.26
ILMN_2086612	CMAH	6.61E-03	-0.17
ILMN_2183216	TTRAP	6.62E-03	0.32
ILMN_1800898	ARG2	6.63E-03	-0.29
ILMN_1815035	DENND2C	6.64E-03	0.18
ILMN_2148668	RCBTB2	6.67E-03	-0.32
ILMN_1743367	FZD4	6.67E-03	0.15
ILMN_1773200	CP110	6.68E-03	-0.30
ILMN_1667430	DEGS1	6.69E-03	-0.33
ILMN_1744912	CTTN	6.72E-03	0.32
ILMN_1720004	FLJ27354	6.78E-03	-0.14
ILMN_1784040	NAPSA	6.78E-03	-0.22
ILMN_2124187	TSC22D2	6.81E-03	0.32
ILMN_1728048	LOC158160	6.81E-03	0.36
ILMN_1672356	ANKRD13D	6.81E-03	-0.22
ILMN_2387090	CGGBP1	6.82E-03	0.33
ILMN_3206343	LOC644914	6.82E-03	-0.34
ILMN_1665510	ERRFI1	6.85E-03	0.20
ILMN_1706217	TLR4	6.85E-03	-0.36
ILMN_1857081		6.86E-03	0.18
ILMN_1806651	PARP8	6.86E-03	-0.27

ILMN_1742577	GTPBP4	6.86E-03	0.37
ILMN_2075927	STK40	6.89E-03	0.37
ILMN_1752159	AHNAK	6.92E-03	0.27
ILMN_2369018	EVI2A	6.93E-03	-0.43
ILMN_2283325	GPR177	6.95E-03	-0.31
ILMN_1721626	ARID5B	6.96E-03	-0.33
ILMN_1762718	CMTM4	6.96E-03	-0.17
ILMN_1798308	AHSA2	6.96E-03	-0.34
ILMN_1664243	USE1	7.01E-03	0.16
ILMN_1759563	NRIP3	7.03E-03	0.40
ILMN_2081682	SMAP2	7.05E-03	-0.36
ILMN_1798204	IL21R	7.06E-03	-0.42
ILMN_1809292	IMMP2L	7.08E-03	0.18
ILMN_1694757	CTSL1	7.09E-03	0.47
ILMN_1741404	MSC	7.09E-03	0.46
ILMN_3289522	LOC147646	7.10E-03	-0.20
ILMN_1782389	LAD1	7.10E-03	-0.24
ILMN_2077623	RRAS2	7.13E-03	0.18
ILMN_3246065	CCDC151	7.15E-03	-0.27
ILMN_1767662	LASS6	7.16E-03	-0.30
ILMN_1708881	RAB20	7.20E-03	0.31
ILMN_1663646	DMXL1	7.20E-03	0.30
ILMN_1657679	VAV3	7.20E-03	-0.37
ILMN_1768558	LOC727848	7.21E-03	-0.16
ILMN_1727150	DHRS9	7.23E-03	-0.15
ILMN_3243142	KAT2B	7.23E-03	-0.32
ILMN_1675939	IFNGR1	7.26E-03	-0.35
ILMN_1811470	PLEK2	7.29E-03	-0.23
ILMN_1815707	CALML4	7.29E-03	-0.36
ILMN_1736829	MDM2	7.30E-03	0.24
ILMN_1682761	C17orf87	7.35E-03	-0.29
ILMN_1671337	SLC2A5	7.38E-03	0.61
ILMN_1748844	CNKSR3	7.38E-03	-0.19
ILMN_1654118	BCL2L1	7.39E-03	0.40
ILMN_1711681	SPATS1	7.39E-03	0.18
ILMN_1675186	ME2	7.40E-03	-0.42
ILMN_1657810	PPM1M	7.42E-03	-0.37
ILMN_1770692	WDR12	7.42E-03	0.35
ILMN_1752526	RNF144B	7.42E-03	-0.30
ILMN_1757415	C1orf163	7.46E-03	0.24
ILMN_1783806	DTNBP1	7.51E-03	0.20
ILMN_3210914	LOC344887	7.51E-03	0.26
ILMN_3251341	TUBA1C	7.53E-03	-0.33
ILMN_1756982	CLIC1	7.58E-03	-0.34
ILMN_1791511	TMEM176A	7.60E-03	-0.36
ILMN_1656196	E2F6	7.60E-03	0.34

ILMN_1696347	CTSC	7.60E-03	-0.35
ILMN_3251620	JMY	7.61E-03	0.16
ILMN_2400500	LASS2	7.63E-03	0.30
ILMN_1671237	GNGT2	7.67E-03	-0.27
ILMN_1755954	CPEB3	7.71E-03	-0.31
ILMN_1705737	IMPDH2	7.74E-03	0.30
ILMN_2292178	CLEC12A	7.84E-03	-0.47
ILMN_1693620	PGM3	7.87E-03	0.30
ILMN_3281195	LOC440459	7.87E-03	0.18
ILMN_1655206	ZBTB34	7.88E-03	-0.26
ILMN_1813374	C19orf28	7.90E-03	0.30
ILMN_1712639	AIFM2	7.90E-03	0.21
ILMN_3233930	LOC390557	7.91E-03	-0.38
ILMN_1684873	ARSD	7.92E-03	-0.31
ILMN_1729515	PIN4	7.94E-03	-0.19
ILMN_1772359	LAPTM5	7.94E-03	-0.34
ILMN_1755727	KDM5B	7.96E-03	0.35
ILMN_1659027	SLC2A1	7.96E-03	0.45
ILMN_2356284	PFDN5	7.96E-03	-0.31
ILMN_1675803	LOC285550	7.97E-03	-0.23
ILMN_1704164	ATP13A2	8.00E-03	0.16
ILMN_1755873	EMR3	8.06E-03	-0.19
ILMN_3238233	HIST2H4B	8.08E-03	-0.29
ILMN_2413599	CALML4	8.08E-03	-0.12
ILMN_1679838	WBP5	8.12E-03	0.35
ILMN_1777982	USF1	8.16E-03	-0.37
ILMN_1696546	FZD1	8.19E-03	-0.15
ILMN_2119297	SAMD4A	8.21E-03	0.30
ILMN_1737025	PLCL2	8.22E-03	-0.35
ILMN_3210491	LOC389049	8.24E-03	0.26
ILMN_3248511	FAM167A	8.24E-03	0.17
ILMN_2311989	CUTA	8.24E-03	0.35
ILMN_2387919	PRKAG2	8.29E-03	0.32
ILMN_3239217	LOC729057	8.29E-03	0.20
ILMN_3242540	CD163L1	8.29E-03	-0.12
ILMN_1746408	MIDN	8.30E-03	-0.36
ILMN_3247821	TMEM206	8.34E-03	0.32
ILMN_2224103	PAPSS1	8.35E-03	-0.30
ILMN_1691156	MT1A	8.37E-03	-0.35
ILMN_3246060	LOC654433	8.37E-03	0.21
ILMN_1697864	CXorf38	8.43E-03	-0.30
ILMN_1754600	FNBP1L	8.43E-03	0.27
ILMN_2336781	SOD2	8.43E-03	0.35
ILMN_3191227	LOC100129267	8.45E-03	0.20
ILMN_1763852	ACACB	8.45E-03	-0.32
ILMN_2312194	CYB5A	8.48E-03	0.42

ILMN_1768577	PCSK6	8.50E-03	0.20
ILMN_1741483	HPS1	8.53E-03	0.21
ILMN_1733603	NDUFC1	8.56E-03	-0.34
ILMN_1678353	FARP1	8.58E-03	0.29
ILMN_1815626	DHCR7	8.60E-03	0.37
ILMN_1737964	HIATL1	8.60E-03	0.38
ILMN_1651767	MKL1	8.62E-03	-0.28
ILMN_1688953	ARHGAP19	8.63E-03	-0.27
ILMN_1717636	RGMA	8.66E-03	-0.18
ILMN_1857335		8.69E-03	-0.22
ILMN_2364674	TRPT1	8.70E-03	-0.36
ILMN_1741727	QPCT	8.70E-03	-0.33
ILMN_2081883	IQCK	8.73E-03	0.31
ILMN_1678775	CLEC2D	8.76E-03	0.29
ILMN_2233878	SERF1B	8.77E-03	0.18
ILMN_1657550	MVD	8.80E-03	0.24
ILMN_1677133	MITD1	8.81E-03	0.30
ILMN_1771385	GBP4	8.81E-03	-0.30
ILMN_1680925	SLC9A3R1	8.83E-03	0.32
ILMN_1771987	SLC44A2	8.85E-03	-0.32
ILMN_3243156	AHNAK2	8.85E-03	0.24
ILMN_1688322	ADIPOR1	8.85E-03	0.41
ILMN_3179620	LOC100129673	8.91E-03	0.25
ILMN_1758672	FAM107B	8.92E-03	-0.35
ILMN_1718766	MT1F	8.92E-03	-0.31
ILMN_2290618	SEC22C	8.92E-03	0.30
ILMN_1807925	GNG2	8.92E-03	-0.19
ILMN_3209232	LOC644496	8.98E-03	0.18
ILMN_1789732	TMEM189	9.07E-03	0.22
ILMN_3276822	LOC645726	9.07E-03	-0.12
ILMN_1761281	LOC441019	9.07E-03	-0.31
ILMN_1665736	LOC648024	9.08E-03	0.52
ILMN_1668960	MID1IP1	9.11E-03	0.36
ILMN_1777342	PREX1	9.11E-03	-0.28
ILMN_2062620	NMT2	9.16E-03	0.21
ILMN_1793522	PRKAB1	9.21E-03	-0.24
ILMN_1784948	SPOCD1	9.22E-03	-0.37
ILMN_1723768	NLRX1	9.23E-03	-0.33
ILMN_1796106	MGAT4B	9.24E-03	0.25
ILMN_1769634	STRA13	9.25E-03	0.32
ILMN_2204876	FLVCR2	9.27E-03	-0.33
ILMN_1673586	SLC6A6	9.31E-03	0.35
ILMN_1801584	CXCR4	9.31E-03	0.51
ILMN_1734814	HSPA4	9.31E-03	0.28
ILMN_2382990	HK1	9.31E-03	-0.44
ILMN_1704084	CMAH	9.32E-03	-0.27

ILMN_1805064	SCARNA9	9.46E-03	0.35
ILMN_1786328	WDR40A	9.56E-03	-0.32
ILMN_1738632	PRKAR1A	9.56E-03	-0.32
ILMN_2124585	GREM1	9.63E-03	0.15
ILMN_1761101	CCDC112	9.64E-03	-0.28
ILMN_1658639	SLC46A3	9.65E-03	-0.34
ILMN_2358457	ATF4	9.65E-03	0.37
ILMN_1796210	PPRC1	9.65E-03	0.23
ILMN_1652906	GBGT1	9.68E-03	-0.33
ILMN_1789505	ITPR1	9.71E-03	0.45
ILMN_1805792	TRIO	9.72E-03	0.25
ILMN_2393497	ATXN3	9.75E-03	0.29
ILMN_1771139	FBXO31	9.80E-03	0.27
ILMN_2411658	HPS1	9.83E-03	0.19
ILMN_1796074	C18orf56	9.86E-03	-0.15
ILMN_1792305	ZNF318	9.86E-03	0.28
ILMN_3307757	C17orf87	9.93E-03	-0.28
ILMN_1695962	SLC12A9	9.95E-03	-0.39
ILMN_1653042	HSD3B7	9.96E-03	0.33
ILMN_1718807	SMC3	9.96E-03	0.28
ILMN_2095759	OGFRL1	9.97E-03	0.45

Methylprednisolone (MP)

ProbeID	Gene Symbol	FDR	Log₂[MP/NoTx]
ILMN_1688580	CAMP	0.00E+00	3.91
ILMN_1772131	IL1R2	1.05E-11	3.94
ILMN_2376403	TSC22D3	1.05E-11	2.87
ILMN_1748124	TSC22D3	9.71E-11	2.67
ILMN_1778444	FKBP5	3.23E-10	3.14
ILMN_1700896	SAP30	6.07E-10	2.09
ILMN_1758457	TBC1D16	6.07E-10	2.53
ILMN_2305407	ZBTB16	6.07E-10	1.69
ILMN_1709486	SRPX	8.42E-10	2.67
ILMN_1666733	IL8	1.53E-09	-2.43
ILMN_1656940	ABLIM3	1.53E-09	1.33
ILMN_1775405	ARL4A	1.53E-09	1.74
ILMN_1684982	PDK4	1.53E-09	2.89
ILMN_2223941	FBLN5	1.53E-09	2.53
ILMN_1707124	TFPI	1.53E-09	2.01
ILMN_2393149	ALOX15B	1.53E-09	2.33
ILMN_1719986	PIK3IP1	1.53E-09	1.95
ILMN_2276952	TSC22D3	1.74E-09	1.71
ILMN_2329914	SPRY1	3.14E-09	2.43
ILMN_1738552	SLC1A3	4.25E-09	1.52

ILMN_1751975	ALOX15B	4.25E-09	1.91
ILMN_1756071	MFGE8	4.41E-09	3.77
ILMN_2328666	CD83	4.77E-09	-1.50
ILMN_1796409	C1QB	4.77E-09	1.76
ILMN_2184373	IL8	4.84E-09	-2.19
ILMN_1671509	CCL3	5.32E-09	-2.47
ILMN_1800626	SESN1	5.32E-09	1.59
ILMN_1747355	CCL3L1	5.57E-09	-2.13
ILMN_1780582	CD83	6.04E-09	-1.47
ILMN_2073289	MTSS1	7.82E-09	1.95
ILMN_1662619	TFPI	7.82E-09	1.99
ILMN_1770768	SLAMF1	9.03E-09	1.75
ILMN_1811933	SHMT1	1.07E-08	1.60
ILMN_1676980	MTSS1	1.15E-08	1.40
ILMN_2072178	ECHDC3	1.40E-08	2.05
ILMN_1736527	TFCP2L1	1.64E-08	1.19
ILMN_1691860	SPRY1	1.69E-08	1.58
ILMN_1664176	FBLN5	1.69E-08	1.86
ILMN_1656057	PLAU	1.79E-08	-1.20
ILMN_1801303	AMY2A	1.86E-08	1.16
ILMN_1730710	ADORA3	2.28E-08	2.30
ILMN_1752668	DAAM2	2.61E-08	1.41
ILMN_1661695	IRAK3	2.85E-08	1.59
ILMN_1709484	BLM	3.06E-08	0.94
ILMN_1781285	DUSP1	3.78E-08	1.93
ILMN_1651610	LOC730525	3.78E-08	1.94
ILMN_1743199	EGR2	3.94E-08	-1.44
ILMN_1856480		4.39E-08	1.15
ILMN_1754865	LOC400455	4.40E-08	1.34
ILMN_2399363	CLEC4A	4.67E-08	-1.38
ILMN_1661599	DDIT4	5.08E-08	1.33
ILMN_1651950	TPST1	5.59E-08	1.44
ILMN_2402817	ZBTB16	5.70E-08	1.05
ILMN_1785345	GPR84	5.85E-08	-1.23
ILMN_1664170	CUGBP2	6.02E-08	0.60
ILMN_1740015	CD14	8.14E-08	-1.67
ILMN_2105573	CCL3L3	8.41E-08	-2.28
ILMN_1792455	TMEM158	8.47E-08	-1.31
ILMN_1760727	ANG	8.47E-08	1.12
ILMN_1801313	SIAH2	8.51E-08	1.14
ILMN_2304512	SAA1	8.51E-08	1.47
ILMN_2157099	CCNA1	9.98E-08	1.96
ILMN_1781996	NUDT16	9.98E-08	1.16
ILMN_1779677	ZCCHC6	1.02E-07	1.38
ILMN_1654696	C15orf48	1.02E-07	-1.18
ILMN_2234697	BEX1	1.02E-07	-2.57

ILMN_2348487	EMR3	1.09E-07	-1.13
ILMN_1776602	RNASE4	1.15E-07	1.18
ILMN_2367239	RCAN1	1.42E-07	1.03
ILMN_1733270	CD163	1.47E-07	2.05
ILMN_1758371	IL1R2	1.47E-07	1.11
ILMN_1707077	SORT1	1.47E-07	1.37
ILMN_1779648	HIST3H2A	1.49E-07	1.01
ILMN_1656011	RGS1	1.52E-07	1.54
ILMN_1720282	NQO1	1.52E-07	-1.28
ILMN_2218856	CCL3L1	1.52E-07	-1.51
ILMN_2137789	KLF4	1.56E-07	0.75
ILMN_2092118	FPR1	1.62E-07	1.99
ILMN_1742382	RIMS3	1.62E-07	1.21
ILMN_1742981	TUBA1A	1.62E-07	-1.38
ILMN_1733956	IARS	1.63E-07	1.79
ILMN_1769299	MTMR11	1.63E-07	1.72
ILMN_1738578	FILIP1L	1.64E-07	1.15
ILMN_1771688	RAB7B	1.71E-07	-1.06
ILMN_1664068	ERGIC1	1.71E-07	1.16
ILMN_1778523	KLF9	1.82E-07	1.42
ILMN_1669409	VSIG4	2.12E-07	1.15
ILMN_1774206	LOC647108	2.21E-07	1.00
ILMN_1800787	RFTN1	2.35E-07	-0.95
ILMN_1730906	FILIP1L	2.43E-07	1.22
ILMN_1913678		2.43E-07	1.27
ILMN_1764723	SH3PXD2B	2.43E-07	0.93
ILMN_1711888	COBL	2.50E-07	1.38
ILMN_2408572	RNASE4	2.66E-07	1.12
ILMN_1663042	SDC4	2.83E-07	1.00
ILMN_1741712	MS4A4A	3.14E-07	0.76
ILMN_2129505	CYBASC3	3.21E-07	-0.95
ILMN_3234142	LOC728855	3.25E-07	1.02
ILMN_1778836	SFRS7	3.31E-07	-0.94
ILMN_1709204	CLEC4A	3.62E-07	-1.34
ILMN_1676563	HTRA1	3.62E-07	1.26
ILMN_2053415	LDLR	3.66E-07	-1.02
ILMN_1790689	CRISPLD2	3.67E-07	1.42
ILMN_2368530	IL32	3.74E-07	1.14
ILMN_2373982	PICK1	3.89E-07	1.09
ILMN_1655549	SIGLEC10	3.89E-07	1.03
ILMN_2276904	ALOX15B	3.96E-07	0.92
ILMN_1711608	SSBP2	3.98E-07	1.16
ILMN_1770610	MERTK	3.98E-07	0.91
ILMN_1696974	ANG	4.46E-07	1.07
ILMN_2391150	FILIP1L	4.74E-07	0.96
ILMN_1797875	ALOX5AP	5.08E-07	1.17

ILMN_2294976	RNASE4	5.30E-07	1.19
ILMN_3241378	LOC728448	5.39E-07	0.93
ILMN_1720998	CA12	5.63E-07	1.98
ILMN_2386973	PKP2	5.63E-07	1.29
ILMN_1716797	CD302	5.64E-07	0.99
ILMN_1701032	TFPI	5.64E-07	1.16
ILMN_2148819	TUBA1A	5.74E-07	-0.95
ILMN_1794875	AGPAT9	5.86E-07	-1.40
ILMN_2370336	MS4A4A	6.07E-07	0.98
ILMN_2195236	PGRMC2	6.07E-07	1.14
ILMN_1682312	CYBB	6.57E-07	-1.26
ILMN_1697448	TXNIP	6.71E-07	1.05
ILMN_3200211	LOC643680	6.75E-07	1.22
ILMN_1808707	FSCN1	6.98E-07	-0.88
ILMN_1741404	MSC	7.32E-07	-0.91
ILMN_2352953	CPM	7.81E-07	0.96
ILMN_2054297	PTGS2	8.19E-07	-0.79
ILMN_1739605	LYPD3	9.16E-07	0.61
ILMN_1669617	GRB10	9.44E-07	0.82
ILMN_2294978	RNASE4	9.58E-07	1.11
ILMN_1708934	ADM	9.58E-07	1.06
ILMN_1782953	MMP19	9.58E-07	0.65
ILMN_1733259	ADORA3	9.58E-07	1.94
ILMN_1678170	MME	9.59E-07	0.52
ILMN_1690170	CRABP2	9.98E-07	-1.30
ILMN_1692466	LOC728637	1.03E-06	-0.61
ILMN_1701134	PTEN	1.08E-06	0.86
ILMN_1795285	PHF15	1.13E-06	0.82
ILMN_2083469	IRS2	1.16E-06	1.28
ILMN_1705750	TGM2	1.17E-06	-1.02
ILMN_2138589	MERTK	1.17E-06	0.82
ILMN_2379599	CD163	1.17E-06	1.87
ILMN_1805410	C15orf48	1.17E-06	-0.86
ILMN_2374865	ATF3	1.17E-06	-1.68
ILMN_1738095	PER2	1.24E-06	-1.11
ILMN_1730454	FOLR3	1.24E-06	-1.09
ILMN_1728106	TNF	1.25E-06	-0.75
ILMN_1782050	CEBPD	1.25E-06	1.18
ILMN_1722622	CD163	1.25E-06	1.91
ILMN_1774547	MPRIP	1.29E-06	0.79
ILMN_2166457	HPGD	1.34E-06	0.99
ILMN_1769388	GJB2	1.37E-06	-1.12
ILMN_1692535	DPP4	1.48E-06	1.28
ILMN_1781761	ENPP4	1.50E-06	1.10
ILMN_1707312	NFIL3	1.59E-06	0.93
ILMN_1785902	C1QC	1.62E-06	1.05

ILMN_1842850		1.64E-06	0.83
ILMN_1765557	OLFML2B	1.64E-06	0.95
ILMN_1800261	TUBA1B	1.64E-06	-0.91
ILMN_2339835	PTGS1	1.68E-06	-0.99
ILMN_2199439	CA2	1.68E-06	-0.77
ILMN_3246054	LOC732415	1.69E-06	0.82
ILMN_1739942	FAM117B	1.70E-06	1.30
ILMN_1700967	C3orf59	1.70E-06	-0.76
ILMN_1810584	IL1R1	1.73E-06	0.74
ILMN_1793730	TM7SF4	1.75E-06	-1.07
ILMN_1795930	PTGER4	1.81E-06	-0.99
ILMN_1689329	SCD	1.85E-06	-1.03
ILMN_1778010	IL32	1.87E-06	0.75
ILMN_1743241	ARL4A	1.87E-06	0.94
ILMN_1674160	BIN1	1.92E-06	0.83
ILMN_1682099	TNFAIP8L3	1.94E-06	0.89
ILMN_1768505	IL13RA1	1.99E-06	0.78
ILMN_1686562	KIF13B	2.04E-06	1.13
ILMN_1721035	MS4A6A	2.19E-06	1.08
ILMN_1800638	CUGBP2	2.30E-06	0.88
ILMN_1663640	MAOA	2.37E-06	1.46
ILMN_1682717	IER3	2.37E-06	-1.07
ILMN_1710075	FAM89A	2.37E-06	0.79
ILMN_1742167	TUBA1C	2.41E-06	-1.02
ILMN_1679322	SH2D4A	2.47E-06	0.43
ILMN_1707339	BTG3	2.50E-06	-0.79
ILMN_1782938	SLC16A10	2.51E-06	1.14
ILMN_1776967	LRRC50	2.53E-06	0.82
ILMN_1684368	C5orf62	2.53E-06	1.05
ILMN_2121408	HBEGF	2.80E-06	-1.01
ILMN_1752755	VWF	2.90E-06	-0.94
ILMN_1670134	FADS1	2.96E-06	-0.73
ILMN_2275742	DNASE2B	3.07E-06	1.50
ILMN_1711838	SLC25A24	3.19E-06	-0.87
ILMN_2374340	PLAUR	3.29E-06	-0.80
ILMN_2081682	SMAP2	3.59E-06	0.81
ILMN_1681437	DCXR	3.72E-06	0.98
ILMN_1717313	NFKBIE	3.75E-06	-0.86
ILMN_2379788	HIF1A	3.99E-06	-0.78
ILMN_2074748	HAL	4.09E-06	0.55
ILMN_1672834	SSH2	4.13E-06	0.81
ILMN_1709683	RASSF2	4.13E-06	0.85
ILMN_1808395	ACAP1	4.16E-06	0.84
ILMN_1747205	JDP2	4.18E-06	0.80
ILMN_1669523	FOS	4.21E-06	1.09
ILMN_1737514	KYNU	4.38E-06	-0.84

ILMN_1656285	METTTL7A	4.42E-06	1.05
ILMN_1702501	RPS6KA2	4.43E-06	0.84
ILMN_2285817	FAM89A	4.53E-06	0.74
ILMN_1850238		4.55E-06	0.67
ILMN_2294762	AMY1A	4.55E-06	-0.87
ILMN_1682993	NKG7	4.57E-06	0.76
ILMN_1718977	GADD45B	4.58E-06	0.77
ILMN_1797731	MS4A6A	4.71E-06	1.12
ILMN_1780334	KCNJ2	4.87E-06	0.78
ILMN_1703955	FBXO32	4.97E-06	0.89
ILMN_1749521	SLC35E3	4.97E-06	0.78
ILMN_2047618	KCNE1	5.10E-06	0.70
ILMN_1651769	ZFYVE16	5.10E-06	-0.73
ILMN_2383611	PTPRE	5.18E-06	-0.72
ILMN_3243061	SIGLEC14	5.28E-06	0.71
ILMN_1773553	FLJ46906	5.28E-06	0.77
ILMN_1689088	COLEC12	5.30E-06	-0.77
ILMN_1763638	BCAR3	5.53E-06	-0.62
ILMN_1658494	C13orf15	5.53E-06	-0.96
ILMN_1723004	CD72	5.67E-06	1.14
ILMN_2412294	GNB5	5.81E-06	0.56
ILMN_2255133	BCL11A	5.83E-06	-0.65
ILMN_3247728	RNF115	5.83E-06	0.76
ILMN_3247023	FLJ22536	6.01E-06	-0.66
ILMN_1771376	PEA15	6.24E-06	-0.84
ILMN_2065773	SCG5	6.30E-06	-0.77
ILMN_1672662	SLC20A1	6.33E-06	1.08
ILMN_2064725	METTTL7B	6.37E-06	1.14
ILMN_1785852	OBFC2A	6.51E-06	-0.84
ILMN_1654609	TIGA1	6.98E-06	0.77
ILMN_1702899	PLEKHA7	7.11E-06	0.50
ILMN_1784287	TGFBR3	7.11E-06	0.40
ILMN_1755504	CALCOCO2	7.25E-06	0.69
ILMN_1654268	HMGB2	7.34E-06	0.61
ILMN_1780465	CLEC5A	7.41E-06	-1.26
ILMN_1687440	HIPK2	7.41E-06	0.78
ILMN_1778240	GFOD1	7.43E-06	0.80
ILMN_1720048	CCL2	7.50E-06	-1.46
ILMN_1657871	RSAD2	7.75E-06	-1.05
ILMN_2337655	WARS	7.75E-06	-0.84
ILMN_1736180	FRAT1	8.13E-06	0.44
ILMN_1684585	ACSL1	8.13E-06	0.92
ILMN_1704571	FAM53B	8.13E-06	0.65
ILMN_1729112	CHPT1	8.13E-06	0.88
ILMN_1683475	TOMM40	8.13E-06	1.13
ILMN_1795183	RNASE1	8.13E-06	1.14

ILMN_1735495	TBC1D8	8.21E-06	0.93
ILMN_1811997	ZNF364	8.63E-06	0.74
ILMN_1694882	AMY2B	8.73E-06	0.52
ILMN_1714433	MARCKSL1	8.88E-06	-0.87
ILMN_1781468	SMAP2	8.89E-06	0.78
ILMN_1790228	FURIN	8.89E-06	0.59
ILMN_1704376	GLDN	8.89E-06	1.21
ILMN_1794165	PGD	9.23E-06	-0.69
ILMN_1756992	MUC1	9.28E-06	0.64
ILMN_1737918	C1QA	9.45E-06	0.73
ILMN_1712112	RCAN1	9.92E-06	1.08
ILMN_1774874	IL1RN	9.98E-06	-1.67
ILMN_1717056	TXNRD1	9.99E-06	-0.87
ILMN_1758864	VNN2	1.01E-05	-0.88
ILMN_1664761	TMEM138	1.02E-05	-1.07
ILMN_1688373	LST1	1.03E-05	-0.80
ILMN_1686116	THBS1	1.04E-05	1.01
ILMN_1655612	ARRDC2	1.04E-05	0.74
ILMN_1766914	MFAP4	1.04E-05	0.56
ILMN_1746517	KYNU	1.11E-05	-0.68
ILMN_1686109	CCL23	1.14E-05	-0.94
ILMN_1662362	LGR6	1.17E-05	0.51
ILMN_1677038	FLJ21986	1.17E-05	-0.74
ILMN_1721116	USP10	1.18E-05	0.60
ILMN_1667043	EIF4A3	1.18E-05	0.81
ILMN_1653498	IGSF6	1.22E-05	-0.89
ILMN_1701017	SAA1	1.22E-05	0.38
ILMN_1781416	FRAT1	1.26E-05	0.68
ILMN_1659960	IL4I1	1.26E-05	-0.66
ILMN_1681703	FOXO3	1.27E-05	0.69
ILMN_1733680	AZI2	1.29E-05	0.68
ILMN_1701248	TREM2	1.29E-05	-0.77
ILMN_1727402	HCLS1	1.30E-05	0.65
ILMN_1802780	M160	1.34E-05	0.52
ILMN_1764030	CCL23	1.35E-05	-0.81
ILMN_1757343	PABPC4	1.36E-05	0.64
ILMN_1703074	CPD	1.38E-05	0.97
ILMN_1711062	MMP19	1.40E-05	0.50
ILMN_1710923	SLAMF7	1.43E-05	-0.82
ILMN_1743784	SHMT1	1.48E-05	0.38
ILMN_1804822	SRXN1	1.51E-05	-0.83
ILMN_1685176	SGMS2	1.52E-05	0.49
ILMN_1712026	NLRP3	1.52E-05	-0.74
ILMN_1759097	MLLT11	1.53E-05	-0.50
ILMN_1740572	TCN2	1.55E-05	1.00
ILMN_2345353	LST1	1.57E-05	-0.83

ILMN_1720158	ETS2	1.61E-05	0.67
ILMN_1758673	SLC44A1	1.61E-05	0.72
ILMN_2138765	PLIN2	1.63E-05	0.78
ILMN_1789130	DNASE2B	1.67E-05	1.46
ILMN_1736829	MDM2	1.68E-05	0.69
ILMN_2200917	SLC4A7	1.73E-05	-0.84
ILMN_1808047	PHC2	1.73E-05	0.72
ILMN_3236556	UBXN2B	1.73E-05	0.70
ILMN_1656904	SLC1A4	1.78E-05	-0.78
ILMN_2148913	TMEM45A	1.79E-05	0.89
ILMN_1786426	TMEM149	1.80E-05	-0.69
ILMN_1798204	IL21R	1.80E-05	-0.84
ILMN_1756928	RTN1	1.87E-05	-0.63
ILMN_1693233	KIAA0513	1.87E-05	0.73
ILMN_1767349	ABCB4	1.93E-05	-0.26
ILMN_1706344	ABHD6	1.93E-05	0.64
ILMN_1687757	AKR1C4	1.96E-05	0.70
ILMN_2073157	AMY2B	2.01E-05	0.83
ILMN_1662795	CA2	2.03E-05	-1.11
ILMN_1801443	TSKU	2.03E-05	-0.56
ILMN_2340919	GRB10	2.03E-05	0.45
ILMN_1665455	DCUN1D3	2.03E-05	0.67
ILMN_1798957	C12orf47	2.04E-05	0.77
ILMN_3227023	SNHG7	2.04E-05	0.93
ILMN_1700695	SLC44A1	2.04E-05	0.89
ILMN_1752526	RNF144B	2.04E-05	0.78
ILMN_2359800	MS4A6A	2.04E-05	0.99
ILMN_2099277	HTRA4	2.12E-05	-0.87
ILMN_2309245	BIN1	2.12E-05	0.80
ILMN_1660986	PER3	2.12E-05	-0.55
ILMN_1781700	IL18R1	2.12E-05	1.22
ILMN_1797728	HMGCS1	2.12E-05	-0.64
ILMN_3244583	NCRNA00219	2.15E-05	0.77
ILMN_1793474	INSIG1	2.19E-05	-0.89
ILMN_1671142	GPR68	2.26E-05	-0.89
ILMN_1663866	TGFBI	2.34E-05	-0.83
ILMN_1735910	VMO1	2.34E-05	-0.68
ILMN_1717326	SLC29A3	2.39E-05	-0.80
ILMN_2362581	FNDC3A	2.46E-05	0.58
ILMN_1761281	LOC441019	2.48E-05	0.90
ILMN_1757287	MAPK6	2.50E-05	0.59
ILMN_1789502	GPC4	2.55E-05	-0.72
ILMN_1808114	LYVE1	2.55E-05	0.24
ILMN_1765641	SEMA3A	2.55E-05	-0.39
ILMN_1683059	SIRT5	2.72E-05	0.67
ILMN_1677432	SRGAP1	2.76E-05	0.48

ILMN_1703926	PTGER2	2.80E-05	0.65
ILMN_1713124	AKR1C3	2.83E-05	1.00
ILMN_1667460	SULF2	2.90E-05	-0.42
ILMN_1796216	VASH1	2.91E-05	-0.66
ILMN_1880406		2.91E-05	0.58
ILMN_1780898	PRKCH	2.91E-05	1.09
ILMN_1716547	NAGK	2.92E-05	-0.71
ILMN_2366388	PRDX1	3.08E-05	-0.65
ILMN_1715131	CCR7	3.09E-05	-0.95
ILMN_1810235	ATP6V1E2	3.09E-05	0.42
ILMN_1791647	ASIP	3.10E-05	0.66
ILMN_1670302	HK3	3.10E-05	-0.99
ILMN_1669376	DRAM1	3.11E-05	-0.68
ILMN_1683313	ST3GAL1	3.23E-05	-0.63
ILMN_1706511	TEF	3.25E-05	-0.42
ILMN_1795158	FGR	3.29E-05	0.83
ILMN_1765701	LOC399942	3.33E-05	-0.75
ILMN_1727271	WARS	3.38E-05	-0.87
ILMN_1763852	ACACB	3.41E-05	0.66
ILMN_1803429	CD44	3.49E-05	-0.63
ILMN_1666553	SLC25A19	3.64E-05	-0.74
ILMN_1702320	JAKMIP2	3.73E-05	-0.60
ILMN_1795762	PLEK	3.73E-05	-0.65
ILMN_1681252	C17orf44	3.77E-05	0.55
ILMN_1696187	PYGL	3.78E-05	-0.60
ILMN_1801077	PLIN2	3.82E-05	0.86
ILMN_2140999	ZFYVE16	3.85E-05	-0.50
ILMN_1793410	SNTB1	3.86E-05	0.65
ILMN_2069224	PVALB	3.87E-05	-0.75
ILMN_1729691	SLC16A6	3.87E-05	0.55
ILMN_2352303	RASSF2	3.88E-05	0.79
ILMN_2141482	SERPINF1	3.88E-05	0.60
ILMN_1791511	TMEM176A	3.89E-05	-0.74
ILMN_1694240	MAP2K1	3.89E-05	0.82
ILMN_2352090	GPRC5C	3.90E-05	0.58
ILMN_1746588	TALDO1	3.90E-05	-0.60
ILMN_1710092	ZBTB46	3.95E-05	-0.43
ILMN_1716026	ARMCX6	3.96E-05	0.62
ILMN_1904138		3.96E-05	0.45
ILMN_1753663	ARL4A	3.96E-05	0.32
ILMN_1804935	VNN3	4.06E-05	0.50
ILMN_1677765	LRP8	4.17E-05	-0.45
ILMN_2330966	PTK2B	4.29E-05	0.47
ILMN_1678939	VNN2	4.29E-05	-0.89
ILMN_2093343	PLAC8	4.47E-05	-0.66
ILMN_2202940	CHPT1	4.50E-05	0.77

ILMN_2333670	RNASE1	4.50E-05	1.03
ILMN_2168217	EBI2	4.50E-05	1.01
ILMN_1699082	MAPKAPK5	4.63E-05	0.55
ILMN_3236036	LOC283663	4.66E-05	0.39
ILMN_1723035	OLR1	4.78E-05	-0.78
ILMN_1653026	PLAC8	4.84E-05	-0.50
ILMN_1915076		4.89E-05	1.21
ILMN_1680139	MAFF	4.89E-05	-0.45
ILMN_1730622	EVL	4.92E-05	-0.56
ILMN_1777190	CFD	4.92E-05	0.70
ILMN_2065690	GRAMD3	4.93E-05	0.86
ILMN_1685703	ACOX2	5.02E-05	-0.85
ILMN_1780397	TRAF3IP3	5.10E-05	-0.29
ILMN_1745034	SLC11A2	5.10E-05	0.68
ILMN_1654819	ZNF589	5.19E-05	0.54
ILMN_1790985	dJ341D10.1	5.20E-05	0.74
ILMN_1800837	CFDP1	5.20E-05	0.63
ILMN_1812091	FAM20A	5.24E-05	-0.46
ILMN_2087656	SLCO2B1	5.33E-05	0.65
ILMN_1714759	CNIH4	5.34E-05	0.67
ILMN_1743367	FZD4	5.34E-05	1.68
ILMN_1868851		5.39E-05	0.46
ILMN_2160476	CCL22	5.40E-05	-1.37
ILMN_1702691	TNFAIP3	5.42E-05	0.67
ILMN_1740418	CYP27B1	5.42E-05	-0.89
ILMN_1759792	CLIP4	5.43E-05	0.70
ILMN_1811765	ADAMTS2	5.43E-05	0.47
ILMN_3211935	LOC100132715	5.44E-05	-0.57
ILMN_1681283	HIF1A	5.50E-05	-0.49
ILMN_1762713	C19orf59	5.67E-05	0.93
ILMN_1778321	SLC2A6	5.79E-05	-0.65
ILMN_1780546	OSM	5.88E-05	-1.09
ILMN_3235003	LOC100132395	5.88E-05	0.41
ILMN_2408543	PLAUR	5.90E-05	-0.68
ILMN_1734543	PTPRE	5.90E-05	-0.62
ILMN_1809467	VAMP5	5.95E-05	0.63
ILMN_1776905	FAM23B	5.95E-05	0.79
ILMN_1725510	DHCR24	5.97E-05	0.60
ILMN_1679093	ZNF581	5.97E-05	0.59
ILMN_1727532	OLFML3	5.99E-05	0.71
ILMN_1737089	CAPN5	6.07E-05	-0.37
ILMN_1726597	FAM65B	6.12E-05	0.49
ILMN_1686664	MT2A	6.12E-05	0.70
ILMN_1735680	TMEM30A	6.17E-05	-0.56
ILMN_1769412	RAPGEF1	6.35E-05	-0.59
ILMN_1656378	NMT2	6.35E-05	-0.77

ILMN_1744381	SERPINE1	6.45E-05	0.96
ILMN_1715809	OGFRL1	6.59E-05	0.60
ILMN_1742187	MAN1A1	6.62E-05	0.54
ILMN_1688480	CCND1	6.76E-05	-1.23
ILMN_2129563	LDLRAD3	6.79E-05	0.30
ILMN_1656818	GPR141	6.88E-05	-0.38
ILMN_2366391	PRDX1	6.88E-05	-0.62
ILMN_1778377	ERGIC1	6.95E-05	0.50
ILMN_1703016	CACNA1G	6.95E-05	0.34
ILMN_2070940	CD302	7.05E-05	0.33
ILMN_2092333	GPR141	7.11E-05	-0.45
ILMN_1730575	GCLC	7.12E-05	0.79
ILMN_1689734	IL1RN	7.20E-05	-1.13
ILMN_1718936	LST1	7.50E-05	-0.64
ILMN_1756541	MXD4	7.71E-05	0.59
ILMN_1687508	ALDH7A1	7.96E-05	0.65
ILMN_2094262	AMY1B	8.01E-05	0.37
ILMN_2170814	LAMP3	8.03E-05	-1.06
ILMN_1814998	FKSG30	8.07E-05	-0.80
ILMN_1712532	CARD9	8.09E-05	-0.63
ILMN_1704369	LIMA1	8.09E-05	-0.64
ILMN_1668822	BATF	8.09E-05	0.83
ILMN_2142979	PTBP2	8.09E-05	0.37
ILMN_1746013	SPOCK1	8.24E-05	0.41
ILMN_1714567	AHNAK	8.25E-05	0.67
ILMN_1749403	TSPAN33	8.25E-05	-0.69
ILMN_1755873	EMR3	8.26E-05	-0.35
ILMN_1662640	C20orf127	8.35E-05	0.64
ILMN_2169261	TNNI2	8.35E-05	-0.51
ILMN_2174574	HNRNPA3P1	8.35E-05	-0.54
ILMN_1799015	PXMP2	8.35E-05	0.53
ILMN_1704531	PTGR1	8.49E-05	-0.71
ILMN_1673795	HSD17B4	8.79E-05	0.88
ILMN_2310896	NLRP3	8.79E-05	-0.64
ILMN_1771019	MTMR4	8.87E-05	0.78
ILMN_2324421	TXNRD1	8.89E-05	-0.65
ILMN_2397024	SPOP	8.98E-05	0.55
ILMN_1713867	PMFBP1	8.98E-05	0.51
ILMN_1663313	AMY1C	9.08E-05	-0.73
ILMN_1666546	DUSP14	9.08E-05	-0.59
ILMN_1654112	PARD6A	9.11E-05	0.54
ILMN_2235851	LINCR	9.14E-05	-0.50
ILMN_1806809	ZNF189	9.27E-05	0.53
ILMN_1714945	ITPKC	9.27E-05	0.33
ILMN_2301722	PDE8B	9.47E-05	0.29
ILMN_1691846	G0S2	9.49E-05	-0.36

ILMN_1695590	ADRB2	9.50E-05	0.55
ILMN_2165993	ITLN1	9.50E-05	0.36
ILMN_1791147	YPEL3	9.63E-05	0.53
ILMN_1802808	LOC654103	9.70E-05	0.67
ILMN_2312340	LILRB2	9.91E-05	-0.72
ILMN_1715969	SLC25A37	9.91E-05	0.52
ILMN_2368318	FGR	9.91E-05	0.71
ILMN_1706217	TLR4	1.01E-04	0.55
ILMN_3188984	C20orf199	1.03E-04	0.57
ILMN_1746171	H2AFY	1.08E-04	0.74
ILMN_1794825	ALDH3A2	1.08E-04	-0.54
ILMN_2062754	SRA1	1.09E-04	-0.44
ILMN_1657395	HMGCR	1.09E-04	-0.72
ILMN_2383383	PIR	1.10E-04	-0.46
ILMN_2225537	PTGR1	1.12E-04	-0.78
ILMN_1808732	SAA1	1.13E-04	0.45
ILMN_1873620		1.15E-04	0.40
ILMN_2085012	TMEM176B	1.16E-04	-0.46
ILMN_3294024	LOC644990	1.18E-04	0.30
ILMN_2055634	TIAF1	1.20E-04	-0.51
ILMN_1669599	DENND4C	1.20E-04	0.78
ILMN_1729801	S100A8	1.20E-04	-0.96
ILMN_1660031	P2RY6	1.20E-04	-0.48
ILMN_3199755	LOC646821	1.20E-04	-0.31
ILMN_2383774	TRAF3	1.21E-04	-0.32
ILMN_1790909	NFE2L2	1.21E-04	-0.62
ILMN_2341254	STARD13	1.21E-04	0.60
ILMN_1740185	TPMT	1.22E-04	-0.63
ILMN_2366330	FERMT3	1.22E-04	-0.56
ILMN_1801833	ARHGAP24	1.23E-04	0.42
ILMN_1696419	STOM	1.23E-04	0.60
ILMN_1715684	LAMB3	1.24E-04	-0.41
ILMN_1775703	TRAPPC6A	1.24E-04	0.57
ILMN_3244607	FAM117B	1.24E-04	0.60
ILMN_1654516	TMEM120A	1.26E-04	0.73
ILMN_1716368	CCDC111	1.27E-04	0.41
ILMN_1718558	PARP12	1.27E-04	-0.52
ILMN_2165867	DHCR7	1.27E-04	-0.43
ILMN_2189222	KLHL8	1.29E-04	0.65
ILMN_1655229	SLC7A11	1.31E-04	-0.63
ILMN_2348788	CD44	1.31E-04	-0.79
ILMN_1843198		1.33E-04	-0.57
ILMN_2405185	AOC2	1.34E-04	0.24
ILMN_2345142	SULF2	1.34E-04	-0.33
ILMN_1806651	PARP8	1.37E-04	0.64
ILMN_1776649	LRRK2	1.37E-04	0.62

ILMN_1805902	ELA1	1.37E-04	0.43
ILMN_2382942	CA12	1.38E-04	0.73
ILMN_1695423	CD9	1.38E-04	-0.62
ILMN_1785202	STAT4	1.39E-04	-0.51
ILMN_1780533	RNASE6	1.40E-04	0.60
ILMN_1779886	TBC1D14	1.40E-04	0.52
ILMN_3301740	LOC729887	1.40E-04	0.47
ILMN_1735548	HIVEP1	1.42E-04	-0.35
ILMN_3210491	LOC389049	1.42E-04	0.41
ILMN_1676528	BTN3A2	1.44E-04	0.45
ILMN_1655311	LOC145853	1.45E-04	0.56
ILMN_1658995	ACOT9	1.45E-04	-0.58
ILMN_2052208	GADD45A	1.46E-04	0.59
ILMN_2170949	SNX10	1.47E-04	0.73
ILMN_2214678	MXD1	1.50E-04	-0.68
ILMN_1723962	LXN	1.50E-04	-0.51
ILMN_1808999	ARHGEF19	1.51E-04	0.81
ILMN_1754121	CSK	1.52E-04	-0.61
ILMN_2341595	KITLG	1.52E-04	-0.51
ILMN_1677200	CYFIP2	1.53E-04	0.53
ILMN_1751228	C20orf46	1.54E-04	-0.51
ILMN_3249667	LOC100133678	1.55E-04	-0.63
ILMN_2338038	AK3L1	1.56E-04	-0.65
ILMN_1810725	FAM129A	1.56E-04	-0.72
ILMN_1722981	TLR5	1.58E-04	0.66
ILMN_1767129	ABCC8	1.59E-04	0.36
ILMN_1734229	SPPL2A	1.62E-04	-0.47
ILMN_1799208	CSGALNACT2	1.62E-04	0.65
ILMN_3238435	SNORA12	1.62E-04	0.76
ILMN_2085862	SLC15A3	1.62E-04	-0.52
ILMN_1748844	CNKSR3	1.66E-04	-0.36
ILMN_1661109	ATF3	1.66E-04	-0.62
ILMN_2376502	RHOBTB1	1.68E-04	0.37
ILMN_1781356	TSC22D3	1.69E-04	0.23
ILMN_1691930	CBX6	1.69E-04	-0.59
ILMN_1912737		1.73E-04	0.55
ILMN_1659352	KCNK13	1.73E-04	-0.64
ILMN_1746578	SLC23A2	1.76E-04	-0.52
ILMN_1707434	LOC653778	1.78E-04	0.44
ILMN_1720889	SC4MOL	1.79E-04	-0.67
ILMN_1775380	SMOX	1.80E-04	-0.47
ILMN_1702787	SEMA4A	1.80E-04	-0.55
ILMN_2154836	BTG3	1.80E-04	-0.51
ILMN_1736042	ME1	1.80E-04	-0.48
ILMN_1698218	TRAF1	1.80E-04	-0.36
ILMN_2056606	PPP1R1A	1.81E-04	0.42

ILMN_2061043	CD48	1.82E-04	-0.65
ILMN_1714401	SNX27	1.83E-04	0.59
ILMN_3247139	C17orf96	1.83E-04	-0.62
ILMN_1752899	BCL11A	1.85E-04	-0.65
ILMN_1777296	ACTB	1.85E-04	-0.81
ILMN_1714197	ACSS2	1.87E-04	-0.49
ILMN_1761199	SLCO2B1	1.88E-04	0.60
ILMN_1682572	KIAA0528	1.90E-04	0.60
ILMN_2179726	C16orf93	1.90E-04	-0.46
ILMN_1801476	CDS1	1.91E-04	-0.28
ILMN_1796642	NCF2	1.94E-04	-0.57
ILMN_1653871	NAMPT	1.94E-04	-0.54
ILMN_1793476	PRKCDBP	1.94E-04	-0.67
ILMN_3235832	LOC728835	1.98E-04	-0.67
ILMN_1810852	LAMC1	1.98E-04	0.49
ILMN_1768814	KLHL6	1.98E-04	0.57
ILMN_1800425	SLC9A1	1.99E-04	-0.46
ILMN_1758281	CALCRL	2.00E-04	0.43
ILMN_1810191	PLA2G4C	2.04E-04	-0.66
ILMN_1750800	ACO1	2.08E-04	-0.54
ILMN_1705570	H2AFY2	2.09E-04	-0.51
ILMN_1685834	AMPH	2.12E-04	0.47
ILMN_1677511	PTGS2	2.12E-04	-0.29
ILMN_1688152	IL27RA	2.12E-04	0.53
ILMN_1750974	S100A9	2.13E-04	-0.72
ILMN_2197365	RGS2	2.15E-04	0.83
ILMN_1774733	SOCS1	2.15E-04	0.23
ILMN_1815168	HVCN1	2.15E-04	-0.50
ILMN_1652677	FAM89A	2.20E-04	0.46
ILMN_1810953	LOC653496	2.21E-04	0.39
ILMN_1773154	NFKBIA	2.22E-04	0.60
ILMN_1671404	SVIL	2.23E-04	-0.29
ILMN_1779857	KLF4	2.28E-04	0.40
ILMN_2228035	HS3ST1	2.33E-04	-0.41
ILMN_1754894	C1orf162	2.36E-04	0.50
ILMN_1844692	FOXO3	2.38E-04	0.64
ILMN_2092077	PIP	2.39E-04	0.22
ILMN_1811909	LOC402221	2.39E-04	-0.61
ILMN_1680856	MAMLD1	2.41E-04	0.50
ILMN_1768181	TOR3A	2.44E-04	-0.63
ILMN_1771264	ELL3	2.44E-04	0.32
ILMN_2322935	MAPKAPK5	2.44E-04	0.67
ILMN_2202915	FAR2	2.44E-04	0.50
ILMN_1770824	ARHGAP4	2.49E-04	-0.65
ILMN_3251436	DENND4C	2.50E-04	0.71
ILMN_1746888	PCOLCE2	2.52E-04	0.56

ILMN_2150402	TMEM64	2.52E-04	0.36
ILMN_1812618	ARAP3	2.53E-04	-0.54
ILMN_1652407	ZMYND8	2.54E-04	0.38
ILMN_1662846	GPR160	2.57E-04	-0.44
ILMN_1653125	PER1	2.59E-04	0.15
ILMN_1716468	LOC152195	2.59E-04	0.37
ILMN_1770922	TMEM45A	2.59E-04	0.66
ILMN_2241953	PILRA	2.60E-04	-0.51
ILMN_1674034	H2AFY	2.66E-04	0.71
ILMN_1692517	LOC653381	2.68E-04	-0.59
ILMN_1656501	DUSP5	2.72E-04	-0.60
ILMN_1763386	BID	2.72E-04	-0.53
ILMN_1658504	CHKA	2.72E-04	0.52
ILMN_3234948	LOC100130000	2.78E-04	0.25
ILMN_1695991	COLQ	2.78E-04	-0.39
ILMN_1795963	OKL38	2.78E-04	-0.78
ILMN_1738816	FOXO1	2.79E-04	0.43
ILMN_2157441	HLA-DRA	2.80E-04	-0.60
ILMN_1785060	TSPAN14	2.81E-04	0.47
ILMN_1748090	SLC2A11	2.82E-04	0.47
ILMN_2136089	MTE	2.84E-04	0.58
ILMN_1683806	MRC1L1	2.84E-04	0.41
ILMN_1693334	P4HA1	2.84E-04	-0.50
ILMN_1724708	RAB33A	2.87E-04	0.42
ILMN_1726327	AMY1B	2.87E-04	-0.35
ILMN_2171384	CXCL5	2.90E-04	-0.64
ILMN_2082314	TOM1	2.90E-04	-0.49
ILMN_1652280	FBXO32	2.97E-04	0.34
ILMN_1696407	SFRS2	2.97E-04	-0.54
ILMN_1691339	CLEC1A	2.97E-04	0.42
ILMN_1694810	PANX2	3.07E-04	-0.40
ILMN_3239937	NUDT16P	3.07E-04	0.34
ILMN_1668063	FCN1	3.07E-04	-0.61
ILMN_1864422		3.09E-04	0.47
ILMN_2077550	RACGAP1	3.12E-04	0.41
ILMN_1793729	C15orf39	3.13E-04	-0.30
ILMN_1811258	RELB	3.14E-04	-0.32
ILMN_2066060	HLA-DRB6	3.15E-04	-0.52
ILMN_1890253		3.20E-04	0.29
ILMN_1732318	PTK2B	3.21E-04	0.28
ILMN_1776516	ITPKA	3.22E-04	0.44
ILMN_1705111	FNDC3A	3.22E-04	0.58
ILMN_1716276	CCL4L2	3.22E-04	-0.63
ILMN_1750549	PI4K2A	3.22E-04	-0.44
ILMN_3237419	LOC727980	3.23E-04	0.26
ILMN_1660727	ENPP5	3.23E-04	0.16

ILMN_1713143	MRPL3	3.26E-04	0.50
ILMN_1670926	CHST15	3.26E-04	-0.51
ILMN_1794677	TMC6	3.29E-04	-0.49
ILMN_3251526	USP13	3.29E-04	-0.28
ILMN_1729987	SRC	3.29E-04	-0.55
ILMN_1785161	CHCHD6	3.33E-04	0.38
ILMN_2243308	ACVR1B	3.33E-04	0.47
ILMN_1799889	ATP6V0D2	3.33E-04	-0.55
ILMN_1684357	C14orf139	3.33E-04	0.28
ILMN_1781536	FAH	3.33E-04	0.46
ILMN_3251341	TUBA1C	3.34E-04	-0.56
ILMN_3249748	LDHA	3.35E-04	0.56
ILMN_1815951	PCYOX1L	3.36E-04	0.34
ILMN_1703852	EFNB2	3.43E-04	0.34
ILMN_1755364	RALA	3.50E-04	-0.59
ILMN_1748591	ODC1	3.50E-04	-0.43
ILMN_1658639	SLC46A3	3.51E-04	-0.56
ILMN_1739985	TAGAP	3.51E-04	-0.24
ILMN_1677404	RAP2A	3.54E-04	-0.46
ILMN_1702447	IGF2BP2	3.55E-04	0.41
ILMN_1651705	CAT	3.56E-04	-0.63
ILMN_1811148	BMP2K	3.56E-04	-0.57
ILMN_1812384	NR3C1	3.62E-04	-0.33
ILMN_1785071	SEPP1	3.62E-04	0.69
ILMN_1777483	APOOL	3.62E-04	0.37
ILMN_2347349	CCNB1IP1	3.65E-04	0.35
ILMN_2336595	ACSS2	3.67E-04	-0.50
ILMN_1805148	C2orf63	3.68E-04	0.38
ILMN_1680344	MYOM1	3.68E-04	0.41
ILMN_2086965	CCL1	3.69E-04	-0.63
ILMN_2385647	ALAS1	3.71E-04	-0.34
ILMN_1758672	FAM107B	3.81E-04	-0.70
ILMN_1719343	WDR26	3.82E-04	0.63
ILMN_1657550	MVD	3.86E-04	-0.26
ILMN_1675085	UBA6	3.86E-04	-0.50
ILMN_1675130	NFIC	3.86E-04	0.54
ILMN_1814194	TCF4	3.86E-04	-0.52
ILMN_1713088	MSI2	3.86E-04	0.37
ILMN_1654065	ATOH8	3.87E-04	0.32
ILMN_1724066	PLCB2	3.91E-04	-0.51
ILMN_3233229	SNHG7	3.98E-04	0.45
ILMN_1796712	S100A10	4.05E-04	0.50
ILMN_2337941	COPS8	4.07E-04	0.93
ILMN_2401641	ALDH3A2	4.08E-04	-0.46
ILMN_1700955	TCTEX1D2	4.08E-04	-0.51
ILMN_2152429	C12orf76	4.10E-04	0.54

ILMN_2128428	DAB2	4.11E-04	0.49
ILMN_1798706	EBI2	4.21E-04	0.92
ILMN_2049536	TRPV2	4.22E-04	-0.51
ILMN_1676361	ARHGAP22	4.25E-04	-0.47
ILMN_1651832	EHD1	4.33E-04	-0.47
ILMN_1772667	P2RY1	4.33E-04	0.27
ILMN_1669832	TCF12	4.33E-04	0.44
ILMN_2152131	ACTB	4.35E-04	-0.53
ILMN_3282983	LOC100132992	4.41E-04	-0.48
ILMN_2357730	CCRK	4.42E-04	-0.29
ILMN_2396444	CD14	4.48E-04	-0.58
ILMN_1738523	MYD88	4.54E-04	-0.50
ILMN_1695719	EIF2C2	4.54E-04	0.51
ILMN_1768553	LOC283050	4.65E-04	-0.60
ILMN_1786444	LPL	4.65E-04	0.61
ILMN_1755411	RBMS2	4.65E-04	0.38
ILMN_2400947	CUGBP2	4.69E-04	0.32
ILMN_1708534	PAX8	4.69E-04	0.40
ILMN_2357134	SPHK1	4.71E-04	-0.38
ILMN_3235514	GPR183	4.71E-04	0.50
ILMN_1788180	RAB13	4.72E-04	0.49
ILMN_1737685	CRLS1	4.76E-04	0.48
ILMN_2335704	NCF4	4.86E-04	-0.56
ILMN_1714592	CDA	4.88E-04	-0.48
ILMN_2371911	MUC1	4.89E-04	0.32
ILMN_1699887	ST14	4.91E-04	0.53
ILMN_2091792	ENTPD6	4.91E-04	0.44
ILMN_1660292	MRPS21	4.91E-04	0.42
ILMN_1748983	RTN4	4.99E-04	0.27
ILMN_2414533	ARMCX6	5.00E-04	0.44
ILMN_2330170	MYBPC1	5.00E-04	0.26
ILMN_1695959	C21orf63	5.00E-04	0.21
ILMN_2046730	S100A10	5.05E-04	0.43
ILMN_1763260	HIF1A	5.08E-04	-0.62
ILMN_1805512	WDR13	5.09E-04	0.45
ILMN_1753111	NAMPT	5.26E-04	-0.42
ILMN_1812278	LY9	5.26E-04	-0.40
ILMN_1885771		5.29E-04	0.35
ILMN_1786789	FAM102B	5.35E-04	-0.39
ILMN_1704961	ACTG1	5.35E-04	-0.74
ILMN_1775542	FAIM3	5.35E-04	-0.60
ILMN_2384181	DHRS9	5.42E-04	-0.47
ILMN_1814230	MTCP1	5.45E-04	0.38
ILMN_1733998	DHRS9	5.45E-04	-0.57
ILMN_1745904	CCDC6	5.46E-04	0.48
ILMN_2153332	ATXN1	5.46E-04	-0.42

ILMN_1701875	ZYX	5.46E-04	-0.42
ILMN_1811110	TDRD9	5.54E-04	0.52
ILMN_2415421	SLC30A2	5.54E-04	0.48
ILMN_1736911	TMOD1	5.56E-04	0.41
ILMN_1779257	CD40	5.58E-04	-0.45
ILMN_2297765	KCNMA1	5.59E-04	0.75
ILMN_1772964	CCL8	5.59E-04	-1.08
ILMN_3210914	LOC344887	5.59E-04	-0.36
ILMN_2252160	UBC	5.59E-04	0.32
ILMN_1760062	IFI44	5.65E-04	-0.58
ILMN_1694140	AFAP1L1	5.66E-04	0.46
ILMN_1796490	GRINA	5.66E-04	0.55
ILMN_1708041	PLEKHF1	5.72E-04	-0.56
ILMN_1752075	MYBPC1	5.72E-04	0.30
ILMN_1901198		5.75E-04	0.42
ILMN_1813379	TNFRSF9	5.78E-04	-0.42
ILMN_1756685	DEPDC6	5.81E-04	0.39
ILMN_1767365	PAK1	5.86E-04	-0.51
ILMN_1756814	PTPRE	5.89E-04	-0.15
ILMN_1668039	GYPC	5.89E-04	0.48
ILMN_1757867	MTM	5.90E-04	0.45
ILMN_1677098	YPEL2	6.04E-04	0.50
ILMN_1683456	CCL7	6.04E-04	-0.91
ILMN_1735788	TRIOBP	6.05E-04	-0.42
ILMN_1654612	ZNF589	6.05E-04	0.63
ILMN_1780831	SLC6A12	6.13E-04	-0.66
ILMN_1764609	PWWP2B	6.15E-04	0.32
ILMN_1792495	AHNAK	6.15E-04	0.29
ILMN_2094261	AMY1B	6.18E-04	0.29
ILMN_1770373	TMEM39A	6.20E-04	0.28
ILMN_2343278	PPAP2A	6.24E-04	-0.28
ILMN_1698307	DBNL	6.24E-04	-0.42
ILMN_1690621	GPR98	6.35E-04	0.21
ILMN_2053178	ACTG1	6.38E-04	-0.55
ILMN_1909886		6.39E-04	0.53
ILMN_1700518	HMGN4	6.42E-04	0.46
ILMN_1747347	C17orf60	6.46E-04	-0.66
ILMN_1660086	MYH11	6.49E-04	-0.43
ILMN_1694268	HES6	6.54E-04	-0.39
ILMN_1685625	UCP2	6.61E-04	-0.68
ILMN_1682180	VCPIP1	6.66E-04	0.39
ILMN_1808919	HPS4	6.68E-04	0.36
ILMN_2127379	ST6GALNAC3	6.68E-04	0.23
ILMN_1742400	CEP350	6.70E-04	0.47
ILMN_1815086	NINJ1	6.81E-04	-0.46
ILMN_1714082	CMAS	6.84E-04	0.49

ILMN_2365307	CD276	6.88E-04	-0.50
ILMN_3309349	SNHG8	6.94E-04	0.50
ILMN_3247182	FAM179A	7.00E-04	0.55
ILMN_2231928	MX2	7.02E-04	-0.56
ILMN_1682761	C17orf87	7.02E-04	-0.41
ILMN_1741431	AOC2	7.02E-04	0.23
ILMN_1799062	NFKB2	7.02E-04	-0.24
ILMN_1757552	PTRF	7.16E-04	-0.52
ILMN_1658144	TRIP11	7.16E-04	0.49
ILMN_2369953	ARL4A	7.24E-04	0.30
ILMN_1698406	ORMDL1	7.32E-04	0.50
ILMN_2366634	PKM2	7.32E-04	-0.46
ILMN_3216794	LOC644860	7.32E-04	0.30
ILMN_1784756	ACOT7	7.32E-04	-0.39
ILMN_2399769	GPR177	7.33E-04	0.39
ILMN_1803739	RPGRIP1	7.37E-04	-0.28
ILMN_1726545	LILRA5	7.37E-04	-0.31
ILMN_2299045	BMP2K	7.40E-04	-0.52
ILMN_2109197	EPB41L3	7.40E-04	-0.59
ILMN_1662358	MX1	7.46E-04	-0.50
ILMN_1912287		7.46E-04	-0.63
ILMN_1732151	COL6A1	7.46E-04	-0.40
ILMN_3249654	UOX	7.49E-04	0.16
ILMN_2362346	TRPV4	7.52E-04	-0.20
ILMN_1713529	SEMA6A	7.53E-04	0.28
ILMN_1708159	PRKCABP	7.53E-04	0.37
ILMN_2052373	RAB17	7.53E-04	-0.31
ILMN_1658926	NOTCH3	7.55E-04	0.50
ILMN_2371169	ZYX	7.59E-04	-0.45
ILMN_1746148	LRRC33	7.59E-04	-0.43
ILMN_1752159	AHNAK	7.65E-04	0.40
ILMN_1738047	C10orf73	7.66E-04	0.23
ILMN_1690268	HNRPUL1	7.72E-04	0.46
ILMN_1765801	GAA	7.72E-04	0.46
ILMN_2041101	ANXA2P1	7.72E-04	-0.41
ILMN_1664233	LOC644590	7.73E-04	-0.31
ILMN_1723971	SLC29A1	7.75E-04	0.46
ILMN_1746819	C5	7.75E-04	0.39
ILMN_1674926	C19orf35	7.75E-04	0.18
ILMN_1695829	TTYH2	7.77E-04	-0.35
ILMN_1792363	KLK4	7.87E-04	-0.86
ILMN_1660462	MCOLN2	7.89E-04	-0.48
ILMN_1682799	STAMBPL1	7.95E-04	-0.21
ILMN_1800078	LMO2	7.96E-04	-0.47
ILMN_1768469	TCN1	8.03E-04	0.23
ILMN_1672940	ZNF562	8.03E-04	0.37

ILMN_1778242	CALM1	8.03E-04	-0.57
ILMN_1745964	IRAK2	8.03E-04	-0.37
ILMN_1859584		8.04E-04	0.43
ILMN_1785170	ARMCX2	8.05E-04	0.54
ILMN_1698313	CPM	8.05E-04	0.36
ILMN_1772876	ZNF395	8.09E-04	0.47
ILMN_1890614		8.13E-04	0.38
ILMN_3281195	LOC440459	8.20E-04	0.26
ILMN_1769013	ASGR1	8.22E-04	-0.62
ILMN_1813350	HSD11B2	8.27E-04	0.20
ILMN_3237376	GRAMD1B	8.43E-04	0.34
ILMN_1810559	RHOQ	8.48E-04	0.53
ILMN_1695745	DISP1	8.51E-04	0.43
ILMN_1698100	ANXA2P1	8.51E-04	-0.56
ILMN_2386179	ZMYND8	8.51E-04	0.31
ILMN_1750101	S100A11	8.51E-04	-0.44
ILMN_1808405	HLA-DQA1	8.58E-04	-0.55
ILMN_1815719	PLCG2	8.62E-04	-0.52
ILMN_1805807	SLC30A3	8.62E-04	-0.95
ILMN_1721626	ARID5B	8.63E-04	0.56
ILMN_1776181	BIRC3	8.63E-04	-0.58
ILMN_1766657	STOM	8.71E-04	0.61
ILMN_1714083	KLHL8	8.72E-04	0.38
ILMN_2112988	NCF1C	8.76E-04	0.53
ILMN_1709795	RAC2	8.82E-04	-0.47
ILMN_1783852	CD164	8.89E-04	0.48
ILMN_1787186	NOV	8.93E-04	0.60
ILMN_3237446	SCARNA16	8.99E-04	0.28
ILMN_1699574	NRP1	8.99E-04	-0.55
ILMN_2081883	IQCK	9.00E-04	-0.34
ILMN_1657153	ACTR3	9.00E-04	-0.47
ILMN_1707240	PTBP2	9.03E-04	0.37
ILMN_1835017		9.03E-04	0.48
ILMN_1758323	ACPP	9.04E-04	-0.25
ILMN_1791771	HCK	9.06E-04	-0.47
ILMN_1793950	P704P	9.07E-04	-0.32
ILMN_1712719	MAP7	9.14E-04	-0.45
ILMN_1807825	LY86	9.15E-04	-0.49
ILMN_1801616	EMP1	9.15E-04	0.53
ILMN_1807106	LDHA	9.21E-04	0.59
ILMN_1789001	SLC35B2	9.25E-04	0.38
ILMN_2099528	BTLA	9.30E-04	0.27
ILMN_1719627	SLC27A3	9.31E-04	0.43
ILMN_1791575	HNRPLL	9.31E-04	-0.34
ILMN_2165473	MID1IP1	9.50E-04	-0.46
ILMN_1653496	GLUL	9.56E-04	0.43

ILMN_1788547	GCLM	9.56E-04	-0.40
ILMN_1791328	STK39	9.58E-04	-0.46
ILMN_1795342	MLPH	9.62E-04	0.52
ILMN_1776998	DNAJA4	9.70E-04	-0.42
ILMN_1754076	CACNA2D3	9.72E-04	-0.68
ILMN_2077905	PTGFRN	9.72E-04	-0.23
ILMN_1803256	STOX2	9.80E-04	-0.46
ILMN_2054607	CYP4V2	9.87E-04	-0.43
ILMN_1775327	PKM2	9.87E-04	-0.46
ILMN_1695731	TUBG1	9.90E-04	-0.46
ILMN_1754158	C6orf185	1.00E-03	0.26
ILMN_3176790	LOC100128269	1.01E-03	0.35
ILMN_1751963	ZCWPW1	1.02E-03	0.44
ILMN_1783956	ATP8B4	1.02E-03	-0.54
ILMN_1776115	GSDMA	1.02E-03	0.32
ILMN_1656910	TRIM6	1.03E-03	-0.35
ILMN_1677607	SC5DL	1.03E-03	-0.44
ILMN_3239445	ZBTB42	1.03E-03	-0.32
ILMN_1815626	DHCR7	1.03E-03	-0.34
ILMN_1660533	RPN1	1.03E-03	0.49
ILMN_1664691	DAPP1	1.03E-03	-0.32
ILMN_1763461	ALDH7A1	1.04E-03	0.55
ILMN_1671969	UGP2	1.04E-03	0.75
ILMN_1754660	ZCCHC24	1.04E-03	-0.32
ILMN_1796508	TOP1MT	1.04E-03	-0.34
ILMN_2339294	LILRB5	1.04E-03	-0.81
ILMN_1691104	PGAM4	1.04E-03	-0.48
ILMN_1708303	CYP4F22	1.05E-03	0.48
ILMN_2349610	DPH3	1.05E-03	0.50
ILMN_1660549	GPR177	1.05E-03	0.41
ILMN_1745374	IFI35	1.06E-03	-0.47
ILMN_2172755	DEPDC6	1.06E-03	0.25
ILMN_2405018	PPP1CB	1.06E-03	-0.35
ILMN_1811624	THADA	1.07E-03	0.45
ILMN_1727466	KCNMB4	1.07E-03	-0.36
ILMN_2395214	FMNL3	1.07E-03	-0.26
ILMN_1682332	GYPC	1.08E-03	0.51
ILMN_2316236	HOPX	1.08E-03	0.55
ILMN_1789510	STIP1	1.09E-03	-0.55
ILMN_1766814	TK2	1.09E-03	0.33
ILMN_1814106	C9orf169	1.09E-03	0.29
ILMN_1672650	PKM2	1.09E-03	-0.41
ILMN_1674696	OLAH	1.10E-03	0.22
ILMN_2317923	TMEM132A	1.12E-03	-0.23
ILMN_1800739	SPINT2	1.12E-03	-0.49
ILMN_1785356	DENND5A	1.12E-03	-0.43

ILMN_1790807	XPC	1.13E-03	0.49
ILMN_1764321	ACOT4	1.13E-03	-0.44
ILMN_1723874	MRPS6	1.13E-03	-0.50
ILMN_1750429	MKNK1	1.13E-03	-0.39
ILMN_1768284	P2RY8	1.13E-03	0.42
ILMN_2357419	LILRA5	1.14E-03	-0.47
ILMN_1787897	CXCL1	1.15E-03	-0.46
ILMN_2365248	HVCN1	1.15E-03	-0.38
ILMN_1808508	KITLG	1.16E-03	-0.47
ILMN_1671260	GPR177	1.16E-03	0.44
ILMN_2367070	ACOT9	1.16E-03	-0.51
ILMN_1797372	C3orf58	1.16E-03	0.37
ILMN_3194087	HSPC157	1.16E-03	0.32
ILMN_2406035	LAMA3	1.17E-03	0.17
ILMN_1660364	PSCD4	1.17E-03	-0.46
ILMN_1703374	NAV1	1.17E-03	0.25
ILMN_1760201	DNMT1	1.17E-03	-0.48
ILMN_1729170	GPA33	1.17E-03	0.29
ILMN_3248882	KIAA0114	1.17E-03	0.25
ILMN_1657810	PPM1M	1.17E-03	-0.47
ILMN_2062620	NMT2	1.18E-03	-0.24
ILMN_1729374	ETFB	1.18E-03	0.47
ILMN_2143795	MGC4677	1.18E-03	-0.44
ILMN_1712075	SYNM	1.18E-03	0.44
ILMN_2216815	MAP7	1.18E-03	-0.38
ILMN_2119774	CYP2R1	1.18E-03	0.37
ILMN_3241758	POTEF	1.19E-03	-0.59
ILMN_1784300	TUBA4A	1.20E-03	-0.46
ILMN_1752579	ATP6V0A1	1.20E-03	-0.40
ILMN_1781952	MGST1	1.21E-03	0.52
ILMN_1767816	APH1B	1.21E-03	0.44
ILMN_1903568		1.21E-03	-0.47
ILMN_1764380	GLTP	1.23E-03	-0.48
ILMN_2311537	HMGA1	1.23E-03	-0.41
ILMN_1719988	HAL	1.25E-03	0.15
ILMN_3237632	NCLN	1.25E-03	-0.39
ILMN_1769383	GIMAP5	1.26E-03	0.50
ILMN_1804955	CTSF	1.28E-03	0.32
ILMN_1727315	DENND1A	1.29E-03	-0.28
ILMN_1810093	TSPAN2	1.30E-03	0.12
ILMN_1682636	CXCL2	1.30E-03	-0.49
ILMN_1735157	GALNT12	1.30E-03	-0.43
ILMN_1793384	JAK1	1.30E-03	0.43
ILMN_1724897	C14orf93	1.31E-03	0.34
ILMN_1764228	DAB2	1.31E-03	0.41
ILMN_1687612	PPARG	1.32E-03	0.29

ILMN_2387680	VNN3	1.33E-03	0.21
ILMN_1686989	INSIG1	1.33E-03	-0.35
ILMN_1658628	C14orf72	1.33E-03	0.20
ILMN_1821176		1.33E-03	-0.58
ILMN_1756049	NT5DC3	1.33E-03	0.28
ILMN_2241775	TROVE2	1.33E-03	-0.38
ILMN_2219683	NEU4	1.36E-03	0.31
ILMN_3245869	LOC440957	1.38E-03	0.52
ILMN_1656129	SLC39A10	1.39E-03	-0.21
ILMN_1763828	MTF1	1.39E-03	-0.42
ILMN_1672547	MYO9B	1.39E-03	-0.39
ILMN_1758049	NFIA	1.39E-03	0.30
ILMN_2359287	ITGA6	1.40E-03	-0.28
ILMN_2373495	H2AFY	1.41E-03	0.38
ILMN_2080637	ZBTB44	1.41E-03	0.34
ILMN_1719224	C17orf45	1.42E-03	0.51
ILMN_1672807	CA5B	1.43E-03	0.24
ILMN_2075927	STK40	1.43E-03	-0.44
ILMN_1709820	AOAH	1.43E-03	-0.37
ILMN_2073202	MEI1	1.44E-03	-0.32
ILMN_2038777	ACTB	1.46E-03	-0.57
ILMN_1736510	FOXN2	1.46E-03	0.55
ILMN_1749327	MAPK13	1.48E-03	-0.49
ILMN_1715715	CEBPA	1.49E-03	-0.40
ILMN_2095759	OGFRL1	1.49E-03	0.45
ILMN_1758315	SLC9A9	1.49E-03	-0.35
ILMN_1686981	SULF2	1.49E-03	-0.21
ILMN_3248379	LOC727758	1.51E-03	0.37
ILMN_1740685	LOC652541	1.51E-03	0.35
ILMN_1673478	C5orf5	1.52E-03	-0.49
ILMN_1756784	FREQ	1.52E-03	-0.33
ILMN_1752520	SLFN11	1.53E-03	0.51
ILMN_2409384	SIGLEC7	1.53E-03	-0.28
ILMN_1659984	MEP1A	1.53E-03	-0.48
ILMN_2115005	FGD2	1.54E-03	0.79
ILMN_1652185	IL4R	1.55E-03	-0.42
ILMN_1787127	SLC43A2	1.56E-03	-0.47
ILMN_2167011	ECHDC1	1.56E-03	0.38
ILMN_2196078	SLAMF6	1.58E-03	-0.70
ILMN_1755937	ANXA2	1.61E-03	-0.36
ILMN_2143250	FAR1	1.62E-03	-0.37
ILMN_2338997	PTP4A2	1.63E-03	-0.44
ILMN_1670322	FCHO2	1.64E-03	0.47
ILMN_2345898	SLA	1.64E-03	0.58
ILMN_2129161	LRRC32	1.64E-03	-0.16
ILMN_1654118	BCL2L1	1.64E-03	0.46

ILMN_1674343	NXF3	1.64E-03	-0.26
ILMN_1706635	ELANE	1.66E-03	0.15
ILMN_1801710	APBB1IP	1.66E-03	0.45
ILMN_1698728	FGD4	1.67E-03	0.34
ILMN_1688098	TBC1D4	1.67E-03	-0.30
ILMN_1756701	DHRS11	1.68E-03	-0.60
ILMN_2084073	UCN	1.69E-03	0.47
ILMN_1769433	IQGAP2	1.69E-03	0.40
ILMN_2291954	SLA	1.70E-03	0.59
ILMN_1717207	MMP25	1.70E-03	-0.52
ILMN_1674050	COL8A2	1.70E-03	-0.36
ILMN_2160388	RPL24	1.71E-03	0.36
ILMN_1807894	SLC7A8	1.71E-03	0.42
ILMN_1809352	PRL	1.73E-03	0.19
ILMN_2358202	ARS2	1.73E-03	-0.43
ILMN_1653432	HNRPDL	1.73E-03	0.29
ILMN_1748915	S100A12	1.74E-03	-0.22
ILMN_1778723	AMICA1	1.74E-03	-0.54
ILMN_1752562	CXCL5	1.74E-03	-0.46
ILMN_1742521	GRB2	1.74E-03	-0.35
ILMN_1750373	KAL1	1.74E-03	-0.29
ILMN_1679912	DPH3	1.75E-03	0.45
ILMN_1739428	IFIT2	1.77E-03	-0.62
ILMN_2144088	FDFT1	1.77E-03	-0.43
ILMN_1728478	CXCL16	1.77E-03	-0.38
ILMN_1708805	NCOA3	1.77E-03	0.42
ILMN_1795227	DNCL1	1.77E-03	-0.36
ILMN_1768719	RDH11	1.79E-03	-0.49
ILMN_1693431	C13orf31	1.79E-03	-0.34
ILMN_1715927	VSTM2L	1.79E-03	0.15
ILMN_1731433	ABP1	1.79E-03	-0.73
ILMN_2401933	ATP2B1	1.80E-03	-0.25
ILMN_1713846	PPM1H	1.80E-03	-0.36
ILMN_2060770	RAI1	1.81E-03	-0.25
ILMN_1717094	ZNF618	1.81E-03	-0.22
ILMN_3201115	LOC440043	1.82E-03	-0.42
ILMN_1658709	LAMB1	1.82E-03	0.46
ILMN_1715273	PICALM	1.82E-03	-0.45
ILMN_1867119		1.83E-03	-0.54
ILMN_2410783	GAA	1.83E-03	0.39
ILMN_2314007	TCF12	1.84E-03	0.45
ILMN_1712929	DNAJB12	1.84E-03	-0.34
ILMN_1803560	LAT2	1.86E-03	-0.42
ILMN_1755024	IKBKE	1.87E-03	-0.39
ILMN_2125374	CMAS	1.88E-03	0.49
ILMN_1741727	QPCT	1.91E-03	-0.43

ILMN_1651433	DCK	1.91E-03	0.46
ILMN_1704750	LOC647000	1.91E-03	-0.40
ILMN_1741957	RABEPK	1.91E-03	-0.39
ILMN_1812759	GCH1	1.91E-03	-0.37
ILMN_1679267	TGM2	1.92E-03	-0.25
ILMN_1653466	HES4	1.92E-03	-0.35
ILMN_1698715	NHLRC2	1.93E-03	0.40
ILMN_1776327	LOC727820	1.94E-03	0.27
ILMN_1793433	RAB10	1.94E-03	-0.44
ILMN_2383163	DEPDC7	1.95E-03	-0.17
ILMN_1758418	TNFSF13B	1.95E-03	-0.48
ILMN_3237209	LOC642661	1.97E-03	0.19
ILMN_1667371	SLA	1.98E-03	0.58
ILMN_1657111	C14orf78	1.98E-03	0.31
ILMN_1710962	TMEM97	1.98E-03	-0.45
ILMN_1799598	SIRT5	1.99E-03	0.27
ILMN_1700690	VAT1	1.99E-03	0.40
ILMN_2372413	BID	2.00E-03	-0.40
ILMN_1756849	HIST1H2AE	2.00E-03	0.26
ILMN_1775257	PROK2	2.00E-03	-0.15
ILMN_2358069	MAD1L1	2.01E-03	0.34
ILMN_2392189	CTDSPL	2.01E-03	-0.37
ILMN_1685824	B4GALT5	2.04E-03	-0.49
ILMN_1679838	WBP5	2.04E-03	-0.36
ILMN_1708728	H2AFJ	2.04E-03	0.40
ILMN_1672496	DNAJA1	2.05E-03	-0.46
ILMN_2047112	RP11-529I10.4	2.06E-03	-0.17
ILMN_1764090	AK3L1	2.08E-03	-0.50
ILMN_1774823	RPL34	2.09E-03	0.35
ILMN_1761247	PIR	2.10E-03	-0.34
ILMN_1773073	PHYH	2.10E-03	0.43
ILMN_1785424	ABLIM1	2.11E-03	-0.20
ILMN_1714148	C9orf90	2.11E-03	0.35
ILMN_1910180		2.11E-03	-0.42
ILMN_1724789	CD59	2.12E-03	0.39
ILMN_1701413	PIGQ	2.12E-03	-0.38
ILMN_3230300	LOC729143	2.12E-03	0.23
ILMN_1679797	ADARB1	2.12E-03	-0.38
ILMN_1684629	C20orf26	2.12E-03	-0.21
ILMN_1780861	LOC653506	2.14E-03	-0.53
ILMN_1682953	PGAM4	2.14E-03	-0.37
ILMN_1731644	SETDB2	2.14E-03	0.46
ILMN_1758400	GRIN3A	2.16E-03	-0.24
ILMN_3299520	PRKCB	2.17E-03	-0.32
ILMN_1723843	CSNK2A2	2.18E-03	0.35
ILMN_1772521	MTHFD1L	2.18E-03	-0.30

ILMN_1704014	LOC730256	2.18E-03	0.38
ILMN_1751898	C12orf4	2.18E-03	-0.36
ILMN_1654289	ELK1	2.18E-03	0.45
ILMN_1776778	PARP15	2.20E-03	0.21
ILMN_1733453	LOC284988	2.20E-03	0.42
ILMN_1740169	TYRO3	2.20E-03	0.13
ILMN_1731048	TLR1	2.20E-03	-0.37
ILMN_1683215	ZBED3	2.20E-03	0.27
ILMN_1679438	MLF1IP	2.20E-03	0.13
ILMN_1725675	ABCC6	2.21E-03	-0.17
ILMN_2352077	KL	2.21E-03	-0.31
ILMN_1765146	IFNAR2	2.21E-03	-0.43
ILMN_1847047		2.21E-03	-0.31
ILMN_1778536	BTLA	2.21E-03	0.17
ILMN_1781155	LYN	2.21E-03	-0.40
ILMN_1652906	GBGT1	2.21E-03	0.44
ILMN_1700507	CLASP1	2.21E-03	0.38
ILMN_3236945	PTPMT1	2.21E-03	-0.51
ILMN_1836776		2.22E-03	0.23
ILMN_1678143	ARHGDIB	2.22E-03	-0.36
ILMN_1694596	FAR2	2.22E-03	0.24
ILMN_1741021	CH25H	2.22E-03	0.31
ILMN_1727813	BRP44	2.22E-03	-0.46
ILMN_2077680	CLDND2	2.22E-03	0.28
ILMN_1693004	C20orf117	2.23E-03	-0.28
ILMN_2115434	RAB32	2.27E-03	-0.46
ILMN_1798372	ANXA2P3	2.30E-03	-0.35
ILMN_1772218	HLA-DPA1	2.30E-03	-0.48
ILMN_1767934	PCSK5	2.31E-03	-0.34
ILMN_1736796	RB1CC1	2.31E-03	0.37
ILMN_1701195	PLA2G7	2.31E-03	-0.44
ILMN_1772387	TLR2	2.32E-03	0.27
ILMN_1672759	CCDC109A	2.34E-03	-0.37
ILMN_2320888	CXCR4	2.34E-03	0.45
ILMN_1815169	MCM5	2.34E-03	-0.30
ILMN_1738220	TREML3	2.36E-03	-0.39
ILMN_1810628	KIAA0367	2.37E-03	-0.44
ILMN_1653711	FZD2	2.40E-03	0.38
ILMN_1796734	SPARC	2.41E-03	-0.37
ILMN_1806908	PRKCB1	2.42E-03	-0.51
ILMN_1701621	SCO2	2.43E-03	-0.41
ILMN_2055523	CSGALNACT1	2.43E-03	0.22
ILMN_2382829	PRDX2	2.43E-03	0.27
ILMN_1727194	CALU	2.44E-03	0.40
ILMN_1652123	HMG1	2.44E-03	-0.42
ILMN_1747622	CD33	2.45E-03	0.38

ILMN_1730639	SLC22A15	2.47E-03	0.36
ILMN_1810199	ASRGL1	2.47E-03	-0.24
ILMN_3235358	LOC100133080	2.49E-03	0.23
ILMN_1766359	GATAD2B	2.49E-03	0.22
ILMN_1888558		2.50E-03	0.42
ILMN_1803824	ZDHHC9	2.50E-03	0.48
ILMN_1676844	NR1D2	2.50E-03	-0.26
ILMN_1675797	EPDR1	2.50E-03	0.45
ILMN_1789233	VPS37C	2.52E-03	-0.35
ILMN_1699772	RRAGD	2.52E-03	0.40
ILMN_1666615	PREPL	2.52E-03	-0.25
ILMN_2204876	FLVCR2	2.52E-03	0.44
ILMN_1651800	GSTM4	2.53E-03	-0.28
ILMN_1773363	CIITA	2.54E-03	-0.37
ILMN_1702609	B3GNT5	2.54E-03	0.17
ILMN_2094952	NUAK2	2.55E-03	-0.22
ILMN_2056975	HPRT1	2.55E-03	-0.39
ILMN_1857295		2.55E-03	0.29
ILMN_1906187		2.56E-03	0.31
ILMN_2373779	COPS8	2.56E-03	0.66
ILMN_2404512	PSEN2	2.57E-03	-0.34
ILMN_1741881	C9orf72	2.57E-03	-0.38
ILMN_3248591	LTBP2	2.57E-03	-0.33
ILMN_1812503	PHKA1	2.57E-03	0.32
ILMN_2140990	CAMK1	2.57E-03	-0.39
ILMN_1785330	SH3BP4	2.57E-03	0.27
ILMN_1739103	MPZL1	2.58E-03	-0.31
ILMN_1785732	TNFAIP6	2.61E-03	-0.63
ILMN_1691508	PLAUR	2.63E-03	-0.48
ILMN_1706413	C1orf66	2.65E-03	0.29
ILMN_1670672	TMEM37	2.65E-03	0.37
ILMN_1808391	DUSP4	2.65E-03	0.14
ILMN_1736939	UGCG	2.66E-03	-0.38
ILMN_3217815	LOC646294	2.66E-03	0.37
ILMN_1653001	CABLES1	2.66E-03	-0.30
ILMN_1752923	IFNAR1	2.66E-03	-0.38
ILMN_1756501	ST6GAL1	2.66E-03	-0.41
ILMN_1789074	HSPA1A	2.67E-03	-0.40
ILMN_1777233	E2F2	2.67E-03	-0.23
ILMN_2367818	CD40	2.67E-03	-0.28
ILMN_3263694	LOC100128771	2.68E-03	0.27
ILMN_1782247	KAT2A	2.68E-03	0.33
ILMN_1766363	FLT3	2.68E-03	0.14
ILMN_1722276	PAFAH1B1	2.68E-03	-0.39
ILMN_2401618	MLX	2.68E-03	0.31
ILMN_1764396	HDAC4	2.68E-03	0.29

ILMN_3242540	CD163L1	2.68E-03	0.21
ILMN_1808956	C15orf27	2.69E-03	-0.48
ILMN_2395856	TMEM218	2.70E-03	0.40
ILMN_3246065	CCDC151	2.70E-03	0.27
ILMN_1811616	EEPDP1	2.71E-03	-0.25
ILMN_1689842	SC4MOL	2.71E-03	-0.40
ILMN_1720623	SYTL3	2.73E-03	0.41
ILMN_1814737	LNPEP	2.74E-03	-0.40
ILMN_1764362	LYAR	2.75E-03	0.33
ILMN_1808404	RHBDF1	2.75E-03	-0.61
ILMN_1768449	PRPSAP1	2.76E-03	-0.40
ILMN_1742547	NRP1	2.78E-03	-0.34
ILMN_2075189	SLC35F2	2.79E-03	-0.26
ILMN_1688775	METRNL	2.80E-03	-0.57
ILMN_1874323		2.81E-03	0.17
ILMN_1700847	PMS1	2.82E-03	0.17
ILMN_1671442	WDR43	2.86E-03	0.28
ILMN_3244014	LOC100131967	2.86E-03	-0.21
ILMN_2347949	G6PD	2.87E-03	-0.36
ILMN_1717262	PROCR	2.87E-03	-0.39
ILMN_1656045	BRUNOL6	2.87E-03	0.39
ILMN_2102330	COL8A2	2.89E-03	-0.36
ILMN_1655930	ELL2	2.89E-03	0.42
ILMN_1664167	RPF2	2.91E-03	0.36
ILMN_1667199	SQRDL	2.93E-03	-0.45
ILMN_1746465	FJX1	2.95E-03	0.33
ILMN_1661194	CLDN14	2.95E-03	-0.32
ILMN_1718295	STAC2	2.95E-03	0.21
ILMN_1666819	PHLDB1	2.98E-03	-0.34
ILMN_1743755	LOC441150	2.98E-03	0.20
ILMN_3308310	RNU86	2.98E-03	0.20
ILMN_2373831	BTN3A3	2.99E-03	0.30
ILMN_1655796	42066	3.06E-03	-0.27
ILMN_1759563	NRIP3	3.07E-03	-0.50
ILMN_1689655	HLA-DRA	3.08E-03	-0.41
ILMN_1763452	EVI2B	3.08E-03	0.39
ILMN_1807919	TNS1	3.08E-03	0.34
ILMN_1810864	PMP22	3.11E-03	0.37
ILMN_2215640	TUBA3D	3.12E-03	-0.34
ILMN_1784985	PRRT3	3.12E-03	-0.29
ILMN_1676213	SRPX2	3.13E-03	-0.29
ILMN_1711799	C9orf40	3.14E-03	0.20
ILMN_1756590	SYS1	3.16E-03	0.36
ILMN_2072296	CKS2	3.16E-03	0.39
ILMN_1766637	GLA	3.19E-03	-0.41
ILMN_1654571	FCHO1	3.19E-03	-0.17

ILMN_2098616	C5orf39	3.21E-03	0.26
ILMN_1775501	IL1B	3.21E-03	-0.98
ILMN_1768558	LOC727848	3.23E-03	-0.16
ILMN_2112417	PGAM1	3.25E-03	-0.44
ILMN_1795715	DPYD	3.26E-03	0.43
ILMN_2282641	TBXAS1	3.27E-03	0.52
ILMN_1657708	MGLL	3.27E-03	-0.31
ILMN_2233366	ASAP1	3.27E-03	-0.45
ILMN_1656165	USP9X	3.30E-03	0.37
ILMN_2302654	LRP8	3.30E-03	-0.14
ILMN_1808374	SNTB2	3.31E-03	0.38
ILMN_1748538	ALDH1A2	3.35E-03	-0.27
ILMN_1669424	LOC646531	3.36E-03	0.42
ILMN_1760649	PCK2	3.36E-03	-0.33
ILMN_2096083	PLEKHA5	3.37E-03	-0.19
ILMN_3245057	ASAP1	3.37E-03	-0.42
ILMN_1706261	SLCO3A1	3.41E-03	-0.26
ILMN_1675542	LOC729148	3.41E-03	-0.35
ILMN_1742859	ACSS2	3.43E-03	-0.22
ILMN_1665557	USP15	3.43E-03	0.37
ILMN_1802205	RHOB	3.44E-03	0.49
ILMN_1700025	LOC732007	3.47E-03	-0.49
ILMN_1810069	CCNYL1	3.47E-03	-0.31
ILMN_1733831	PGBD5	3.50E-03	-0.15
ILMN_2151739	CAT	3.50E-03	-0.41
ILMN_2408796	C19orf28	3.53E-03	-0.32
ILMN_1703650	TNIP1	3.54E-03	-0.34
ILMN_1710078	TMEM181	3.55E-03	0.43
ILMN_1728262	SAA2	3.55E-03	0.36
ILMN_2230892	IL10RB	3.55E-03	-0.37
ILMN_1731181	TEX2	3.61E-03	0.42
ILMN_3233930	LOC390557	3.63E-03	-0.40
ILMN_2092850	HPSE	3.63E-03	-0.59
ILMN_1703946	ADORA2B	3.64E-03	-0.43
ILMN_1778136	ZMYND15	3.65E-03	-0.37
ILMN_2109708	ECGF1	3.65E-03	-0.39
ILMN_1676480	LOC654053	3.65E-03	-0.42
ILMN_2413808	CD53	3.65E-03	0.41
ILMN_1717799	PRKCE	3.65E-03	0.21
ILMN_2173524	FOXD4	3.65E-03	-0.22
ILMN_1857017		3.66E-03	0.52
ILMN_2350801	SLC25A29	3.66E-03	-0.25
ILMN_2289093	KIAA1618	3.66E-03	-0.38
ILMN_1746704	TRIM8	3.67E-03	-0.38
ILMN_1692664	PRR5	3.67E-03	-0.24
ILMN_1659703	WWP2	3.68E-03	-0.28

ILMN_1752965	GREM1	3.69E-03	-0.39
ILMN_1740005	SERPINF2	3.71E-03	0.18
ILMN_1677955	ENTPD6	3.73E-03	0.20
ILMN_3245413	DENND5A	3.73E-03	-0.39
ILMN_1674650	C9orf95	3.75E-03	0.37
ILMN_1675462	LSM6	3.75E-03	-0.31
ILMN_1708672	ACAT2	3.75E-03	-0.67
ILMN_1723709	C9orf116	3.80E-03	0.14
ILMN_2166524	CCNYL1	3.80E-03	-0.30
ILMN_1688672	SIGLECP3	3.81E-03	-0.15
ILMN_1773125	ENTPD1	3.84E-03	-0.39
ILMN_1724493	LYSMD2	3.84E-03	-0.41
ILMN_1667564	ALDH3A2	3.84E-03	-0.31
ILMN_1706706	WDR68	3.86E-03	0.41
ILMN_3248443	SNHG6	3.86E-03	0.44
ILMN_1777565	TAP2	3.86E-03	-0.29
ILMN_1676278	ABCC2	3.86E-03	0.16
ILMN_3308265	MIR302C	3.86E-03	-0.35
ILMN_1794534	CCDC81	3.87E-03	-0.18
ILMN_1668960	MID1IP1	3.88E-03	-0.39
ILMN_1792885	CTSC	3.88E-03	0.44
ILMN_1739001	TACSTD2	3.88E-03	-0.47
ILMN_1654735	SLCO3A1	3.89E-03	-0.32
ILMN_1782788	CSDA	3.89E-03	0.33
ILMN_1681067	PIK3R5	3.90E-03	0.24
ILMN_2181445	BCL2L13	3.90E-03	-0.35
ILMN_2412139	CABYR	3.90E-03	-0.22
ILMN_1729161	NOTCH1	3.91E-03	-0.34
ILMN_1703487	LMO4	3.91E-03	-0.53
ILMN_1661335	SPTBN1	3.92E-03	0.15
ILMN_1711543	C14orf169	3.92E-03	-0.37
ILMN_1795300	FLJ41603	3.92E-03	0.59
ILMN_1718171	MED26	3.92E-03	0.18
ILMN_2284744	HNMT	3.93E-03	-0.44
ILMN_1738992	MNDA	3.93E-03	-0.52
ILMN_1699644	42066	3.94E-03	-0.24
ILMN_1746206	AZI1	3.94E-03	-0.26
ILMN_1802653	EBI3	3.94E-03	0.50
ILMN_1659470	PBRM1	3.94E-03	0.30
ILMN_1741356	PRICKLE1	3.94E-03	-0.17
ILMN_1683859	SLC7A1	3.94E-03	-0.55
ILMN_2128741	RDH11	3.95E-03	-0.37
ILMN_2312897	DGUOK	3.95E-03	0.40
ILMN_1795835	LOC338758	3.95E-03	-0.46
ILMN_2151579	HMG1	3.97E-03	-0.38
ILMN_1662896	BRWD2	3.99E-03	-0.41

ILMN_2083243	MNAT1	4.00E-03	-0.18
ILMN_1749324	DPYS	4.00E-03	0.16
ILMN_1704290	SPTLC2	4.07E-03	0.20
ILMN_1690342	LTA4H	4.09E-03	-0.43
ILMN_1781565	MESDC1	4.09E-03	-0.24
ILMN_1756326	CKS2	4.09E-03	0.34
ILMN_2162972	LYZ	4.11E-03	-0.70
ILMN_2338963	SLC29A1	4.11E-03	0.38
ILMN_1705107	SDCBP2	4.11E-03	0.12
ILMN_1665100	PTGS1	4.11E-03	-0.24
ILMN_2396020	DUSP6	4.12E-03	-0.51
ILMN_1763129	DCTPP1	4.14E-03	-0.33
ILMN_1901616		4.14E-03	-0.29
ILMN_1793517	RASAL1	4.14E-03	-0.42
ILMN_1738712	GPR180	4.17E-03	-0.29
ILMN_1709880	RPLP0	4.17E-03	0.38
ILMN_1669881	TSPAN13	4.20E-03	-0.21
ILMN_1660815	CAB39L	4.21E-03	-0.15
ILMN_1795839	SCCPDH	4.22E-03	-0.35
ILMN_1763609	SLC22A16	4.23E-03	0.31
ILMN_1808789	MYO5C	4.27E-03	0.21
ILMN_2412336	AKR1C2	4.31E-03	0.46
ILMN_2404385	REPIN1	4.32E-03	-0.43
ILMN_3238680	C7orf55	4.34E-03	0.46
ILMN_2150654	ZSWIM4	4.35E-03	-0.41
ILMN_3240900	LOC100134728	4.38E-03	-0.31
ILMN_2078592	C6orf105	4.39E-03	-0.15
ILMN_2189406	C15orf38	4.43E-03	-0.39
ILMN_2344650	N4BP2L1	4.53E-03	0.34
ILMN_1663035	SREBF1	4.54E-03	-0.31
ILMN_3258795	FAM13B	4.55E-03	-0.40
ILMN_1671183	LOC648749	4.55E-03	0.21
ILMN_1782829	GLTSCR1	4.56E-03	0.30
ILMN_3237270	LOC100133609	4.60E-03	-0.23
ILMN_2173294	FLJ10916	4.60E-03	0.38
ILMN_2343010	BOLA3	4.63E-03	-0.53
ILMN_1717165	IGBP1	4.64E-03	0.37
ILMN_1664265	EPHA1	4.64E-03	-0.22
ILMN_3305304	POLD2	4.67E-03	-0.20
ILMN_1813120	MAP4K3	4.68E-03	0.33
ILMN_2145280	DEF6	4.68E-03	-0.42
ILMN_1679324	EIF1B	4.70E-03	0.43
ILMN_2221564	LYAR	4.71E-03	0.38
ILMN_1711828	ANKRD10	4.75E-03	0.32
ILMN_3272500	IFI27L1	4.76E-03	0.47
ILMN_1779547	HPSE	4.76E-03	-0.38

ILMN_2367681	SPAG1	4.77E-03	-0.22
ILMN_1756572	COQ2	4.79E-03	-0.39
ILMN_1771664	CLEC4E	4.79E-03	0.25
ILMN_1743456	ZCCHC14	4.79E-03	0.31
ILMN_1780663	KLHL30	4.81E-03	0.14
ILMN_1664631	ADAM28	4.81E-03	-0.27
ILMN_1713749	CORO1A	4.83E-03	-0.36
ILMN_3247998	STAP1	4.84E-03	-0.24
ILMN_2291644	SIRT5	4.86E-03	0.17
ILMN_2354953	NQO1	4.87E-03	-0.19
ILMN_1754149	LETMD1	4.88E-03	0.33
ILMN_1711786	NFE2	4.89E-03	-0.18
ILMN_2170813	LAMP3	4.91E-03	-0.63
ILMN_1800951	ATXN1	4.93E-03	-0.34
ILMN_1743538	MLLT10	4.94E-03	0.30
ILMN_2221046	GM2A	4.94E-03	-0.50
ILMN_1656254	NOTCH2NL	4.95E-03	0.39
ILMN_1714417	PSEN2	4.95E-03	-0.47
ILMN_1793349	MOBKL1A	4.96E-03	-0.28
ILMN_1681601	SUCNR1	4.99E-03	-0.48
ILMN_1791593	DENND5B	4.99E-03	-0.17
ILMN_1651628	EXOC6	4.99E-03	-0.32
ILMN_1791792	C12orf5	5.04E-03	-0.38
ILMN_1892403	SNORD13	5.06E-03	0.37
ILMN_2373515	HSP90AA1	5.07E-03	-0.32
ILMN_1773245	CCL3L1	5.09E-03	-0.26
ILMN_2188722	GLS	5.12E-03	-0.41
ILMN_1742052	SERPINB9	5.13E-03	-0.19
ILMN_3235221	LOC644936	5.14E-03	-0.39
ILMN_2335813	GCH1	5.15E-03	-0.15
ILMN_1716019	RHBDL3	5.18E-03	0.18
ILMN_1803033	MGST1	5.19E-03	0.26
ILMN_1678547	CPNE9	5.21E-03	-0.26
ILMN_1682176	CLEC3B	5.21E-03	0.32
ILMN_2299795	CPM	5.22E-03	0.42
ILMN_1716988	OPN3	5.23E-03	0.40
ILMN_2120273	AP1S2	5.26E-03	-0.40
ILMN_1655497	EIF4B	5.26E-03	0.37
ILMN_2121068	ADAM17	5.30E-03	0.38
ILMN_2216157	GNA12	5.30E-03	-0.33
ILMN_1801584	CXCR4	5.30E-03	0.42
ILMN_1655137	ZCCHC11	5.30E-03	0.27
ILMN_2213558	TMED10P	5.30E-03	0.34
ILMN_1674574	VNN1	5.30E-03	0.24
ILMN_2208495	LASS5	5.30E-03	-0.31
ILMN_1683682	DAGLA	5.32E-03	-0.46

ILMN_1728512	YWHAH	5.32E-03	-0.42
ILMN_1736567	CD74	5.32E-03	-0.37
ILMN_1780560	MYO18A	5.37E-03	-0.32
ILMN_1768004	PDCD4	5.44E-03	0.21
ILMN_1787115	VWTR1	5.44E-03	0.23
ILMN_1667966	C1orf24	5.46E-03	-0.48
ILMN_1764970	JMJD1C	5.46E-03	0.35
ILMN_2357031	AADAT	5.46E-03	0.15
ILMN_2230016	HIGD1A	5.51E-03	-0.35
ILMN_1655191	CASZ1	5.51E-03	-0.26
ILMN_1705153	NEFH	5.51E-03	-0.35
ILMN_3240997	ARAP3	5.51E-03	-0.20
ILMN_3239217	LOC729057	5.57E-03	0.24
ILMN_1754114	FLJ20021	5.58E-03	0.36
ILMN_1708248	LILRB1	5.63E-03	-0.19
ILMN_1759948	RNF5P1	5.69E-03	0.36
ILMN_1731639	CASP3	5.73E-03	0.22
ILMN_1718960	SERPIN8	5.73E-03	-0.35
ILMN_2407564	GPR98	5.74E-03	0.10
ILMN_1713934	LITAF	5.75E-03	-0.39
ILMN_1807556	LOC146177	5.76E-03	0.27
ILMN_1696360	CTSB	5.77E-03	-0.45
ILMN_1730809	SLC29A2	5.82E-03	0.30
ILMN_2411781	RYR1	5.82E-03	0.29
ILMN_2130525	TSPAN13	5.82E-03	-0.14
ILMN_2106902	CHES1	5.82E-03	0.37
ILMN_1777325	STAT1	5.85E-03	-0.37
ILMN_1720373	SLC7A5	5.85E-03	-0.74
ILMN_3237329	FNIP2	5.85E-03	0.40
ILMN_1810289	FER1L3	5.85E-03	-0.37
ILMN_1654370	TESK2	5.85E-03	0.21
ILMN_2086238	SMYD4	5.89E-03	0.28
ILMN_2413644	TM4SF19	5.91E-03	-0.57
ILMN_1741096	FDFT1	5.93E-03	-0.43
ILMN_1701461	TIMP3	5.96E-03	-0.44
ILMN_2340052	NCOR2	6.00E-03	0.34
ILMN_1720604	ARSG	6.03E-03	0.22
ILMN_1728132	LDHB	6.05E-03	0.46
ILMN_2136455	C3orf64	6.05E-03	-0.32
ILMN_2334296	IL18BP	6.07E-03	-0.46
ILMN_1739161	PPAP2A	6.08E-03	-0.15
ILMN_1675258	LOC441268	6.10E-03	-0.29
ILMN_2053490	FAM53B	6.14E-03	0.18
ILMN_2373566	PJA1	6.17E-03	-0.25
ILMN_1668498	CWF19L2	6.20E-03	0.30
ILMN_1694259	NSA2	6.21E-03	0.34

ILMN_1815745	SOX4	6.23E-03	-0.38
ILMN_2176063	FCGR1A	6.23E-03	-0.69
ILMN_2231911	AUH	6.24E-03	0.35
ILMN_1683250	LOC440731	6.25E-03	0.25
ILMN_1715508	NNMT	6.25E-03	0.15
ILMN_2298365	PPP2R2B	6.27E-03	-0.33
ILMN_1723729	RSL1D1	6.27E-03	0.42
ILMN_1782086	AOC3	6.27E-03	0.33
ILMN_3236904	LOC648740	6.27E-03	-0.19
ILMN_1689200	DHDH	6.31E-03	0.37
ILMN_1660111	UCHL3	6.31E-03	-0.43
ILMN_3241081	LOC100134361	6.35E-03	0.22
ILMN_1701173	KCNK6	6.37E-03	-0.30
ILMN_1753342	SAT1	6.39E-03	0.30
ILMN_3235597	LOC147727	6.39E-03	0.21
ILMN_2391051	FCGR1B	6.41E-03	-0.64
ILMN_1652680	LOC652616	6.44E-03	0.41
ILMN_1664453	LOC653276	6.46E-03	0.16
ILMN_1681415	SIGLEC7	6.48E-03	-0.26
ILMN_1660629	NBEAL2	6.49E-03	-0.29
ILMN_2395728	HNRPUL1	6.49E-03	0.32
ILMN_1698752	NLRX1	6.53E-03	-0.16
ILMN_1727134	KLHDC5	6.57E-03	-0.26
ILMN_1764043	TTL	6.57E-03	0.34
ILMN_1654639	HERC6	6.61E-03	-0.34
ILMN_1864166		6.62E-03	-0.21
ILMN_1685645	MYOHD1	6.62E-03	0.09
ILMN_1813669	ANKS1A	6.64E-03	0.34
ILMN_1699750	ABHD9	6.65E-03	0.20
ILMN_1656837	RBP1	6.65E-03	-0.40
ILMN_1743432	DGUOK	6.65E-03	0.34
ILMN_1808783	STRBP	6.65E-03	-0.23
ILMN_1822378		6.68E-03	0.14
ILMN_3228688	LOC730415	6.68E-03	-0.44
ILMN_1738675	PTPN6	6.68E-03	-0.37
ILMN_1726030	GPX7	6.70E-03	0.16
ILMN_3289508	LOC339192	6.70E-03	-0.52
ILMN_1772722	MRPS33	6.71E-03	0.36
ILMN_1799198	OTUB2	6.71E-03	0.26
ILMN_3237956	ZC3H12C	6.71E-03	0.42
ILMN_1652797	FAM174B	6.73E-03	-0.19
ILMN_1780057	RENBP	6.75E-03	0.39
ILMN_1694075	GADD45A	6.75E-03	0.34
ILMN_1668055	SAA4	6.80E-03	0.16
ILMN_2347541	NIN	6.80E-03	-0.21
ILMN_1707464	MST1	6.82E-03	0.35

ILMN_1654398	RGL1	6.82E-03	0.38
ILMN_2370091	NGFRAP1	6.83E-03	-0.42
ILMN_1763228	MEF2D	6.88E-03	-0.36
ILMN_1808354	SLC4A7	6.90E-03	-0.30
ILMN_1801119	BCL2	6.90E-03	-0.20
ILMN_1736940	HPRT1	6.93E-03	-0.37
ILMN_1656662	LOC731365	6.93E-03	0.38
ILMN_2048326	RPS27A	6.95E-03	0.30
ILMN_1708059	USP13	6.98E-03	-0.20
ILMN_1747305	GIMAP8	6.98E-03	0.32
ILMN_2268068	MAPKAP1	7.00E-03	-0.28
ILMN_1695246	KLHDC8B	7.01E-03	-0.34
ILMN_1687306	LGALS2	7.08E-03	-0.97
ILMN_2376289	DBNL	7.09E-03	-0.28
ILMN_1804396	C14orf4	7.09E-03	0.36
ILMN_1738718	CYB561D2	7.14E-03	-0.30
ILMN_2117171	LMO4	7.16E-03	-0.40
ILMN_1766896	ZDHHHC19	7.16E-03	-0.23
ILMN_2330845	NSF	7.18E-03	-0.32
ILMN_1718766	MT1F	7.18E-03	0.36
ILMN_2125747	LOC606724	7.18E-03	-0.36
ILMN_1669833	SH2B2	7.19E-03	-0.10
ILMN_1805916	NIPSNAP1	7.21E-03	-0.23
ILMN_1712959	DUSP2	7.25E-03	-0.26
ILMN_1683065	C2orf64	7.25E-03	0.32
ILMN_1680353	NSF	7.25E-03	-0.32
ILMN_1693650	FES	7.31E-03	0.46
ILMN_1775486	SSPN	7.32E-03	-0.19
ILMN_1706873	RPL34	7.32E-03	0.36
ILMN_2219712	HMGB2	7.33E-03	0.38
ILMN_1780036	WDR1	7.37E-03	-0.34
ILMN_1678961	FRMD4A	7.45E-03	0.29
ILMN_1777745	FAM133B	7.46E-03	0.24
ILMN_2313730	RHOC	7.47E-03	-0.42
ILMN_1730731	ERLIN1	7.49E-03	0.26
ILMN_1845086		7.56E-03	0.20
ILMN_2218002	LIPC	7.58E-03	-0.16
ILMN_1726204	SCRG1	7.59E-03	0.11
ILMN_1723768	NLRX1	7.63E-03	-0.36
ILMN_3236239	LOC100129550	7.65E-03	-0.41
ILMN_3192791	HNRNPM	7.65E-03	-0.29
ILMN_1815895	LOC649143	7.69E-03	-0.61
ILMN_1738632	PRKAR1A	7.69E-03	-0.35
ILMN_1671554	LPIN1	7.70E-03	-0.40
ILMN_1809292	IMMP2L	7.73E-03	0.18
ILMN_1771800	PRKCA	7.74E-03	-0.27

ILMN_1844128		7.75E-03	0.15
ILMN_1802708	BTN3A1	7.80E-03	0.34
ILMN_2083946	TGFA	7.81E-03	-0.37
ILMN_1701094	CLN8	7.82E-03	0.21
ILMN_1770388	VPS39	7.82E-03	0.28
ILMN_1706005	GALT	7.83E-03	0.26
ILMN_1679428	CHIC2	7.84E-03	0.34
ILMN_1699836	LSP1	7.84E-03	-0.25
ILMN_1761147	GABPB2	7.84E-03	-0.26
ILMN_1756826	MORN2	7.88E-03	-0.23
ILMN_2124816	ZNF34	7.89E-03	0.16
ILMN_3277905	LOC645313	7.92E-03	-0.14
ILMN_1762899	EGR1	7.92E-03	-0.41
ILMN_1657862	AHCY	7.96E-03	0.45
ILMN_1764364	FAM19A3	7.97E-03	-0.25
ILMN_1742410	BCL2L1	7.97E-03	0.31
ILMN_1674706	MTHFD2	7.97E-03	-0.40
ILMN_1846922		7.97E-03	0.32
ILMN_1661366	PGAM1	7.97E-03	-0.35
ILMN_1678353	FARP1	7.98E-03	0.30
ILMN_1684789	CCDC101	8.02E-03	0.30
ILMN_1651710	IQCD	8.02E-03	-0.12
ILMN_1798654	MCM6	8.03E-03	-0.36
ILMN_3307757	C17orf87	8.04E-03	-0.34
ILMN_1782305	NR4A2	8.04E-03	-0.26
ILMN_2326953	LAT2	8.07E-03	-0.37
ILMN_1797822	SEL1L3	8.13E-03	-0.35
ILMN_1678004	TMEM41B	8.16E-03	-0.34
ILMN_1771333	CD47	8.19E-03	-0.26
ILMN_1733758	MT1B	8.27E-03	0.41
ILMN_1658481	DGUOK	8.27E-03	0.16
ILMN_3242105	LOC100134073	8.27E-03	-0.28
ILMN_1743130	PTGFRN	8.27E-03	-0.27
ILMN_1756910	PLA2G15	8.29E-03	-0.38
ILMN_2173291	CYP4B1	8.31E-03	-0.35
ILMN_1802106	APOBEC3G	8.34E-03	-0.31
ILMN_1738681	NUP62	8.38E-03	-0.32
ILMN_1776936	ANKRD38	8.39E-03	0.34
ILMN_1735930	KLF2	8.41E-03	-0.35
ILMN_1669781	PRLR	8.43E-03	0.14
ILMN_1719695	NFKBIZ	8.43E-03	0.46
ILMN_2115011	FGD2	8.44E-03	0.41
ILMN_2255310	RPS15A	8.44E-03	0.33
ILMN_1783621	CMPK2	8.44E-03	-0.35
ILMN_1663541	B4GALT7	8.46E-03	-0.32
ILMN_1769694	ACCN2	8.47E-03	-0.33

ILMN_2129015	AFF1	8.47E-03	0.30
ILMN_2337928	CXCR5	8.48E-03	-0.32
ILMN_1802082	PRDM8	8.49E-03	-0.15
ILMN_1672503	DPYSL2	8.51E-03	-0.44
ILMN_1767509	DEF8	8.53E-03	-0.31
ILMN_1736757	GNPTAB	8.54E-03	-0.37
ILMN_1699058	LOC644979	8.56E-03	0.20
ILMN_1751561	CAMK1D	8.59E-03	0.20
ILMN_2348448	SRGAP2	8.59E-03	0.12
ILMN_1813701	RASAL2	8.59E-03	-0.19
ILMN_1731736	RIN3	8.59E-03	0.26
ILMN_1799487	N4BP2L1	8.60E-03	0.32
ILMN_1782389	LAD1	8.60E-03	-0.34
ILMN_1664718	CYP51A1	8.60E-03	-0.34
ILMN_1679826	CST7	8.61E-03	-0.47
ILMN_1751464	TNFSF9	8.61E-03	-0.30
ILMN_1666269	CTSZ	8.68E-03	-0.39
ILMN_1856634		8.68E-03	0.15
ILMN_1796074	C18orf56	8.68E-03	0.23
ILMN_1774447	AMPD3	8.69E-03	-0.24
ILMN_1766094	MOSPD2	8.70E-03	-0.31
ILMN_1712636	NVL	8.73E-03	0.30
ILMN_1668863	LYPD1	8.73E-03	-0.32
ILMN_2339955	NR4A2	8.76E-03	-0.27
ILMN_1750062	PPARGC1A	8.76E-03	0.27
ILMN_1790801	RPS6KA2	8.76E-03	0.11
ILMN_1784238	SEC22B	8.76E-03	-0.36
ILMN_1746941	HIPK3	8.76E-03	0.14
ILMN_1678423	SPA17	8.79E-03	-0.26
ILMN_1758642	FLJ90757	8.79E-03	-0.17
ILMN_1677092	GEM	8.86E-03	-0.35
ILMN_1807925	GNG2	8.86E-03	-0.15
ILMN_1716563	PRKCB1	8.86E-03	-0.17
ILMN_2400219	SRI	8.86E-03	-0.21
ILMN_2135272	GIMAP2	8.86E-03	0.41
ILMN_1711928	FLJ20920	8.88E-03	-0.22
ILMN_1744212	INPP5D	8.89E-03	-0.35
ILMN_1715175	MET	8.93E-03	0.33
ILMN_2214790	LAMB1	8.95E-03	0.29
ILMN_1719256	CKS1B	8.95E-03	0.28
ILMN_1764361	DUSP16	8.97E-03	0.40
ILMN_1753265	C12orf76	8.97E-03	0.31
ILMN_3200140	LOC645638	8.98E-03	0.73
ILMN_2396956	AKAP13	9.00E-03	0.34
ILMN_1815057	PDGFRB	9.00E-03	0.18
ILMN_1778144	FLJ20489	9.01E-03	-0.30

ILMN_1779171	SGSM2	9.05E-03	-0.29
ILMN_3235704	GGT3	9.11E-03	-0.29
ILMN_2269256	DNAJC12	9.11E-03	0.17
ILMN_2106725	NCF1B	9.11E-03	0.39
ILMN_2237746	ING3	9.13E-03	0.32
ILMN_1700001	TCTA	9.19E-03	0.24
ILMN_1703538	AIF1	9.21E-03	-0.37
ILMN_1657435	MT1M	9.22E-03	0.57
ILMN_2202637	CRY1	9.23E-03	-0.31
ILMN_1803779	AP2A2	9.24E-03	0.18
ILMN_1685580	CBLB	9.24E-03	0.39
ILMN_1808566	TMEM180	9.27E-03	0.27
ILMN_2153466	FAM50B	9.28E-03	0.23
ILMN_1799819	MARS	9.33E-03	-0.35
ILMN_1775170	MT1X	9.33E-03	0.34
ILMN_1808779	CSTF3	9.34E-03	-0.28
ILMN_2360784	RRBP1	9.36E-03	-0.34
ILMN_1726245	TGFBR2	9.37E-03	-0.31
ILMN_1741917	OSCAR	9.40E-03	-0.35
ILMN_2364384	PPARG	9.43E-03	0.32
ILMN_1668369	CDC37	9.43E-03	-0.32
ILMN_1786612	PSME2	9.44E-03	-0.38
ILMN_1791569	PLXNA1	9.45E-03	0.24
ILMN_1870303		9.47E-03	0.18
ILMN_3243055	LOC732432	9.48E-03	0.32
ILMN_1730491	FMNL2	9.48E-03	0.30
ILMN_1819783		9.50E-03	0.45
ILMN_1731745	NINJ2	9.56E-03	0.37
ILMN_2329114	COLQ	9.59E-03	-0.16
ILMN_1808196	GSTO1	9.60E-03	-0.33
ILMN_1865056		9.61E-03	0.17
ILMN_1706057	CS	9.65E-03	-0.34
ILMN_1662843	CD53	9.66E-03	0.41
ILMN_1803945	HCP5	9.67E-03	-0.30
ILMN_1791314	RGS12	9.67E-03	-0.14
ILMN_1697817	PANX1	9.70E-03	0.28
ILMN_1712950	PFN1	9.70E-03	-0.35
ILMN_2054019	ISG15	9.71E-03	-0.44
ILMN_1760778	ENG	9.73E-03	-0.41
ILMN_1778360	PYGB	9.73E-03	0.30
ILMN_1795026	FAM189B	9.73E-03	0.30
ILMN_1752213	TMEM60	9.73E-03	0.37
ILMN_1713603	PRKCB1	9.76E-03	-0.17
ILMN_1680618	MYC	9.76E-03	0.29
ILMN_1673542	AKAP14	9.83E-03	0.10
ILMN_1659914	C9orf98	9.94E-03	-0.39

ILMN_3226875 LOC728590 9.94E-03 0.35

Apoptotic neutrophils (PMNs)

ProbeID	Gene Symbol	FDR	Log₂[PMNs/NoTx]
ILMN_2053415	LDLR	5.44E-05	-2.28
ILMN_2239754	IFIT3	1.63E-04	-1.22
ILMN_1723912	IFI44L	1.63E-04	-1.62
ILMN_1670134	FADS1	1.63E-04	-1.00
ILMN_1798181	IRF7	1.63E-04	-1.01
ILMN_1689842	SC4MOL	1.63E-04	-0.95
ILMN_1793474	INSIG1	1.63E-04	-1.36
ILMN_2349061	IRF7	2.02E-04	-0.55
ILMN_1720889	SC4MOL	4.50E-04	-1.28
ILMN_2144088	FDFT1	4.50E-04	-0.88
ILMN_1800512	HMOX1	1.08E-03	1.12
ILMN_1707695	IFIT1	1.20E-03	-0.87
ILMN_1778144	FLJ20489	1.22E-03	0.70
ILMN_1695246	KLHDC8B	1.33E-03	1.04
ILMN_1739428	IFIT2	1.39E-03	-1.04
ILMN_1663042	SDC4	1.42E-03	0.55
ILMN_1814305	SAMD9	1.44E-03	-0.70
ILMN_1729188	HAMP	1.44E-03	1.17
ILMN_2099277	HTRA4	1.57E-03	0.69
ILMN_2231928	MX2	1.57E-03	-0.77
ILMN_1657395	HMGCR	1.62E-03	-0.82
ILMN_1742618	XAF1	1.71E-03	-1.08
ILMN_1727309	FAM82A2	1.74E-03	1.06
ILMN_1674063	OAS2	1.74E-03	-0.90
ILMN_1713505	NPC1	1.85E-03	0.74
ILMN_1784871	FASN	2.02E-03	-0.68
ILMN_1696537	DDIT4L	2.02E-03	0.70
ILMN_1755075	IDI1	2.10E-03	-0.75
ILMN_1760062	IFI44	2.10E-03	-0.96
ILMN_2041293	SQLE	2.12E-03	-1.07
ILMN_1794782	ABCG1	2.12E-03	1.44
ILMN_1797728	HMGCS1	2.12E-03	-0.67
ILMN_1728048	LOC158160	2.12E-03	-0.44
ILMN_1739751	SLC26A11	2.12E-03	0.88
ILMN_1658247	OAS1	2.12E-03	-0.63
ILMN_1787509	PRIC285	2.18E-03	-0.58
ILMN_1664718	CYP51A1	2.32E-03	-0.66
ILMN_1662640	C20orf127	2.34E-03	-1.31
ILMN_3298410	LOC729120	2.40E-03	0.52
ILMN_1701789	IFIT3	2.40E-03	-1.14

ILMN_2388547	EPSTI1	2.47E-03	-0.83
ILMN_2136089	MTE	2.47E-03	-1.18
ILMN_1768814	KLHL6	2.47E-03	0.52
ILMN_1742929	HESX1	2.77E-03	-0.54
ILMN_1729749	HERC5	2.77E-03	-0.82
ILMN_2173975	RTP4	2.89E-03	-0.39
ILMN_3247261	RAPGEF2	3.05E-03	0.51
ILMN_2173611	MT1E	3.05E-03	-1.21
ILMN_3246910	LOC100190986	3.05E-03	0.52
ILMN_1814022	NR1H3	3.05E-03	0.81
ILMN_1726114	SLC45A3	3.05E-03	0.65
ILMN_2075643	ANKRD29	3.36E-03	0.38
ILMN_1787461	RUNX3	3.39E-03	-0.49
ILMN_1661599	DDIT4	3.42E-03	-1.17
ILMN_3229324	SGK1	3.72E-03	0.58
ILMN_1654118	BCL2L1	3.72E-03	0.66
ILMN_1801307	TNFSF10	3.73E-03	-0.62
ILMN_2360705	ACSL3	3.73E-03	-0.60
ILMN_2329927	ABCG1	3.75E-03	1.13
ILMN_1674811	OASL	3.81E-03	-0.59
ILMN_1704753	EPAS1	4.20E-03	0.60
ILMN_1664543	IFIT3	4.23E-03	-0.52
ILMN_1658407	SLC43A3	4.23E-03	0.51
ILMN_1741096	FDFT1	4.23E-03	-0.81
ILMN_1761281	LOC441019	4.42E-03	-0.94
ILMN_1652198	CCM2	4.42E-03	-0.48
ILMN_2276758	POFUT1	4.42E-03	0.65
ILMN_1712708	TRIM47	4.42E-03	0.38
ILMN_1772241	SQLE	4.42E-03	-0.51
ILMN_1683923	MT1H	4.43E-03	-1.14
ILMN_1684887	SAMSN1	4.96E-03	-0.79
ILMN_3227321	LOC731542	4.96E-03	0.59
ILMN_1717207	MMP25	5.07E-03	-0.48
ILMN_2352121	NT5C3	5.15E-03	-0.72
ILMN_3238053	LOC100129211	5.62E-03	0.51
ILMN_1673711	HSP90AB1	5.62E-03	0.59
ILMN_1781373	IFIH1	5.62E-03	-0.62
ILMN_1704873	TCEB1	5.62E-03	0.45
ILMN_1691860	SPRY1	5.62E-03	0.38
ILMN_1652680	LOC652616	5.62E-03	-0.41
ILMN_2054019	ISG15	5.62E-03	-0.56
ILMN_1807919	TNS1	5.76E-03	0.50
ILMN_2130078	CDKN2AIPNL	5.76E-03	0.61
ILMN_2105573	CCL3L3	5.76E-03	0.63
ILMN_1675640	OAS1	5.76E-03	-0.52
ILMN_3218292	LOC202781	5.76E-03	0.59

ILMN_1755974	ALDOC	5.76E-03	-0.61
ILMN_1659801	ATP6V1C1	5.76E-03	0.46
ILMN_1657435	MT1M	5.77E-03	-1.57
ILMN_1654639	HERC6	5.87E-03	-0.49
ILMN_1722811	CDKN1B	6.01E-03	-0.38
ILMN_1772964	CCL8	6.07E-03	-0.67
ILMN_2405521	MTHFD2	6.07E-03	-0.67
ILMN_2165867	DHCR7	6.07E-03	-0.61
ILMN_1736729	OAS2	6.12E-03	-0.36
ILMN_1788547	GCLM	6.20E-03	0.50
ILMN_3261439	LOC100128098	6.20E-03	0.58
ILMN_1697309	NCF1	6.33E-03	-0.69
ILMN_1723846	FAM119B	6.69E-03	0.46
ILMN_1662846	GPR160	6.69E-03	-0.36
ILMN_1835092		6.69E-03	-0.59
ILMN_1720373	SLC7A5	6.69E-03	-1.39
ILMN_1745374	IFI35	6.73E-03	-0.58
ILMN_1694780	GCHFR	6.96E-03	0.76
ILMN_1796976	NLRC4	6.96E-03	-0.36
ILMN_1790689	CRISPLD2	7.09E-03	-0.45
ILMN_1786429	P2RY5	7.23E-03	-0.67
ILMN_1740418	CYP27B1	7.23E-03	1.14
ILMN_1784207	C1orf128	7.25E-03	0.62
ILMN_2235745	GRIPAP1	7.25E-03	0.57
ILMN_1758864	VNN2	7.25E-03	-0.77
ILMN_1712532	CARD9	7.42E-03	-0.48
ILMN_2211724	C21orf24	7.44E-03	0.56
ILMN_2410826	OAS1	7.56E-03	-0.59
ILMN_2403237	CHN2	7.69E-03	-0.51
ILMN_2408683	PPAP2B	7.69E-03	0.62
ILMN_1775170	MT1X	8.32E-03	-0.91
ILMN_1733680	AZI2	8.47E-03	-0.51
ILMN_1654262	ZMAT3	8.58E-03	0.46
ILMN_2113738	C8orf45	8.58E-03	0.64
ILMN_2243516	C11orf63	8.58E-03	0.36
ILMN_3187425	LOC100127975	8.72E-03	0.42
ILMN_1747347	C17orf60	8.72E-03	-0.76
ILMN_1718766	MT1F	8.72E-03	-0.91
ILMN_1801040	SPN	8.72E-03	0.44
ILMN_1753111	NAMPT	8.72E-03	-0.53
ILMN_2370573	XAF1	8.91E-03	-0.52
ILMN_2079098	C9orf80	9.04E-03	0.44
ILMN_3234997	MAP7D1	9.12E-03	0.62
ILMN_2323992	CLEC7A	9.43E-03	-0.58
ILMN_1657708	MGLL	9.73E-03	0.49
ILMN_3294134	LOC389765	9.73E-03	0.42

ILMN_2175094	TDRD1	9.73E-03	0.29
ILMN_2195821	C5orf41	9.73E-03	-0.48
ILMN_2188119	ARL16	9.73E-03	0.58
ILMN_2093343	PLAC8	9.73E-03	-0.44
ILMN_1677038	FLJ21986	9.73E-03	-0.55
ILMN_2197365	RGS2	9.73E-03	-0.84
ILMN_2388800	PPAP2B	9.73E-03	0.64
ILMN_1669657	LOC440345	9.77E-03	0.51

Supplemental Table E2. List of differentially expressed genes in MDMs of CF subjects exposed to 5 different M2 stimuli. FDR: false discovery rate.

IL10			
ProbeID	Gene Symbol	FDR	Log ₂ [IL10/NoTx]
ILMN_1687301	VCAN	5.22E-08	2.02
ILMN_1654389	LOC728744	1.91E-07	1.13
ILMN_1682993	NKG7	1.91E-07	1.42
ILMN_2176063	FCGR1A	1.91E-07	1.71
ILMN_3247506	FCGR1C	1.91E-07	1.53
ILMN_2261600	FCGR1B	8.57E-07	1.88
ILMN_2391051	FCGR1B	1.17E-06	1.64
ILMN_1746888	PCOLCE2	2.56E-06	1.70
ILMN_1812091	FAM20A	4.82E-06	0.92
ILMN_1784661	TMEM2	9.15E-06	1.02
ILMN_2092118	FPR1	9.21E-06	1.75
ILMN_3248591	LTBP2	9.21E-06	0.71
ILMN_2348487	EMR3	1.03E-05	-1.06
ILMN_3272741	LOC100130520	1.11E-05	2.03
ILMN_2145116	TMEM173	1.37E-05	1.09
ILMN_1735764	HTR2B	1.44E-05	-0.76
ILMN_1671928	PROS1	1.44E-05	0.82
ILMN_1771688	RAB7B	1.44E-05	-0.90
ILMN_2299045	BMP2K	1.69E-05	0.68
ILMN_1655549	SIGLEC10	1.69E-05	1.03
ILMN_1800602	GCA	1.69E-05	0.94
ILMN_1664761	TMEM138	1.69E-05	-0.95
ILMN_2196550	C13orf18	1.69E-05	1.08
ILMN_1653711	FZD2	1.69E-05	0.81
ILMN_1773388	C13orf18	1.84E-05	0.97
ILMN_2129505	CYBASC3	1.96E-05	-1.04
ILMN_1700268	QPRT	2.13E-05	-0.86
ILMN_1706498	DSE	2.13E-05	0.94
ILMN_1759818	SORL1	2.14E-05	-0.49
ILMN_1683774	IL2RA	2.14E-05	0.82
ILMN_1686109	CCL23	2.27E-05	1.47
ILMN_1733270	CD163	2.27E-05	1.70
ILMN_1669409	VSIG4	2.27E-05	0.82
ILMN_1664094	P2RY13	2.33E-05	0.66
ILMN_2160476	CCL22	2.33E-05	-0.62
ILMN_1801254	LOC648984	2.33E-05	0.67
ILMN_1798204	IL21R	2.44E-05	0.91
ILMN_1694757	CTSL1	2.50E-05	1.07
ILMN_1764030	CCL23	2.50E-05	1.58

ILMN_1703142	42065	3.36E-05	0.88
ILMN_1711223	LOC649362	3.40E-05	0.72
ILMN_2064725	METTTL7B	3.40E-05	1.02
ILMN_2338452	SERPINA1	3.47E-05	0.73
ILMN_1751228	C20orf46	3.47E-05	1.03
ILMN_1835017		3.47E-05	0.66
ILMN_2235851	LINCR	3.47E-05	-0.49
ILMN_1805827	PPA1	3.47E-05	1.00
ILMN_1748538	ALDH1A2	3.57E-05	1.16
ILMN_1765557	OLFML2B	3.72E-05	0.91
ILMN_1680171	MFF	3.72E-05	0.60
ILMN_1775257	PROK2	3.75E-05	0.88
ILMN_1669592	42065	4.18E-05	0.87
ILMN_3238196	CYTH4	4.26E-05	0.94
ILMN_2073289	MTSS1	4.26E-05	0.78
ILMN_2342579	IL7R	4.40E-05	0.74
ILMN_2337789	42065	4.59E-05	0.75
ILMN_1725471	GK	4.63E-05	1.02
ILMN_2400030	PTPN2	4.71E-05	0.76
ILMN_1880983		4.82E-05	0.49
ILMN_1687960	LIMK2	4.82E-05	0.36
ILMN_2393296	GK	4.91E-05	1.09
ILMN_1751904	EDNRB	4.91E-05	1.04
ILMN_1756992	MUC1	4.92E-05	0.84
ILMN_1654411	CCL18	5.00E-05	1.03
ILMN_1781001	SOCS3	5.38E-05	0.97
ILMN_1674183	MT1JP	5.45E-05	0.74
ILMN_2078599	ACP5	5.64E-05	-0.92
ILMN_2379599	CD163	5.64E-05	1.49
ILMN_2323933	LAIR2	6.32E-05	0.79
ILMN_1762713	C19orf59	6.37E-05	0.61
ILMN_1793598	APIP	6.37E-05	0.81
ILMN_1685625	UCP2	6.37E-05	0.76
ILMN_1768812	FXVD6	6.86E-05	-0.40
ILMN_1779886	TBC1D14	6.93E-05	0.77
ILMN_1757074	GNG10	6.93E-05	1.12
ILMN_1799848	ANKRD22	6.93E-05	0.59
ILMN_1723141	OTUD1	7.02E-05	0.68
ILMN_2132599	ANKRD22	7.02E-05	0.54
ILMN_1752008	OTUD1	7.02E-05	0.46
ILMN_1770768	SLAMF1	7.02E-05	0.98
ILMN_1690105	STAT1	7.48E-05	-0.92
ILMN_2214678	MXD1	7.48E-05	0.68
ILMN_2227248	SLAMF9	7.58E-05	-0.64
ILMN_1775708	SLC2A3	7.87E-05	0.80
ILMN_1666932	FCGR2A	8.03E-05	0.70

ILMN_1753111	NAMPT	8.18E-05	1.36
ILMN_1675448	ZFP36L1	8.55E-05	0.61
ILMN_1750974	S100A9	9.34E-05	0.98
ILMN_1711611	LOC653907	9.36E-05	0.79
ILMN_1715508	NNMT	9.46E-05	0.59
ILMN_2112988	NCF1C	9.46E-05	-0.69
ILMN_1758673	SLC44A1	9.46E-05	-0.67
ILMN_2388112	CR1	9.78E-05	0.50
ILMN_1806015	LOC391045	9.78E-05	0.56
ILMN_1668345	OAF	1.04E-04	-0.51
ILMN_1767377	LOC153561	1.04E-04	0.69
ILMN_1679620	LOC728519	1.04E-04	0.55
ILMN_1657435	MT1M	1.04E-04	0.80
ILMN_1696419	STOM	1.04E-04	1.27
ILMN_1691127	VTN	1.04E-04	0.64
ILMN_2353633	EMR2	1.09E-04	0.83
ILMN_1766657	STOM	1.09E-04	1.01
ILMN_3242586	RHOU	1.09E-04	0.76
ILMN_1768284	P2RY8	1.15E-04	-0.69
ILMN_2404154	SERPINA1	1.16E-04	0.77
ILMN_1733811	JUP	1.23E-04	-0.59
ILMN_1711361	ZNF319	1.24E-04	0.58
ILMN_3294741	LOC644496	1.35E-04	1.02
ILMN_2381257	DSC2	1.38E-04	0.40
ILMN_1660364	PSCD4	1.39E-04	0.91
ILMN_2289849	FCGR2A	1.39E-04	0.63
ILMN_2410929	PAPSS2	1.40E-04	0.59
ILMN_1667966	C1orf24	1.46E-04	0.82
ILMN_1691364	STAT1	1.53E-04	-0.79
ILMN_1663080	LFNG	1.56E-04	-0.59
ILMN_1808811	SBNO2	1.56E-04	0.43
ILMN_1809467	VAMP5	1.56E-04	0.59
ILMN_2131381	PDE3B	1.59E-04	-0.36
ILMN_1672589	SEMA4B	1.60E-04	0.68
ILMN_3248773	C7orf40	1.62E-04	0.47
ILMN_1671337	SLC2A5	1.63E-04	0.72
ILMN_1681301	AIM2	1.63E-04	0.66
ILMN_2328666	CD83	1.63E-04	-0.65
ILMN_1786823	ICAM2	1.65E-04	-0.44
ILMN_1663119	DSC2	1.65E-04	0.68
ILMN_1755643	MGAT4A	1.65E-04	0.66
ILMN_2405324	IL28RA	1.66E-04	-0.68
ILMN_1804735	CBS	1.66E-04	0.63
ILMN_1774604	PNKD	1.67E-04	0.66
ILMN_1676980	MTSS1	1.71E-04	0.56
ILMN_1707591	TNIP3	1.71E-04	0.29

ILMN_2233539	SLC39A8	1.72E-04	0.64
ILMN_1781626	C1S	1.75E-04	0.71
ILMN_1807491	LAIR2	1.76E-04	0.84
ILMN_1791726	TUBB3	1.81E-04	0.99
ILMN_1653871	NAMPT	1.81E-04	1.44
ILMN_2371911	MUC1	1.83E-04	0.38
ILMN_1722622	CD163	1.84E-04	1.47
ILMN_1692295	MYO1G	1.95E-04	0.73
ILMN_1713505	NPC1	1.95E-04	0.70
ILMN_1680738	C5orf13	2.05E-04	0.42
ILMN_1740418	CYP27B1	2.05E-04	1.04
ILMN_2392569	FPR2	2.08E-04	0.51
ILMN_2296036	PTPN2	2.08E-04	0.56
ILMN_1780799	ENPP2	2.14E-04	1.34
ILMN_1747347	C17orf60	2.22E-04	0.89
ILMN_2373791	ENPP2	2.22E-04	1.46
ILMN_3249748	LDHA	2.22E-04	0.49
ILMN_1666444	RBMS1	2.22E-04	0.71
ILMN_2212763	ICAM3	2.25E-04	-0.43
ILMN_1666733	IL8	2.34E-04	-0.65
ILMN_1660624	LIMK2	2.38E-04	0.38
ILMN_1735930	KLF2	2.39E-04	0.75
ILMN_1764723	SH3PXD2B	2.57E-04	0.55
ILMN_1741957	RABEPK	2.80E-04	0.58
ILMN_2382942	CA12	2.81E-04	0.57
ILMN_1680618	MYC	2.83E-04	0.63
ILMN_1800091	RARRES1	2.83E-04	1.03
ILMN_1720998	CA12	2.86E-04	1.60
ILMN_1652185	IL4R	2.86E-04	0.56
ILMN_1784884	LILRB3	2.86E-04	0.59
ILMN_1759513	RND3	2.97E-04	0.76
ILMN_1761199	SLCO2B1	2.98E-04	0.51
ILMN_1695316	SLC39A8	2.98E-04	0.82
ILMN_1694780	GCHFR	3.03E-04	-0.60
ILMN_1700695	SLC44A1	3.05E-04	-0.55
ILMN_2348788	CD44	3.11E-04	0.65
ILMN_1732538	LBP	3.11E-04	0.61
ILMN_1660086	MYH11	3.11E-04	1.02
ILMN_1768469	TCN1	3.14E-04	0.51
ILMN_1744138	CHCHD7	3.14E-04	0.51
ILMN_2106725	NCF1B	3.15E-04	-0.31
ILMN_1656057	PLAU	3.22E-04	0.49
ILMN_1660544	ARRDC4	3.23E-04	0.39
ILMN_2087656	SLCO2B1	3.23E-04	0.51
ILMN_2410038	FAM111A	3.25E-04	-0.55
ILMN_2289593	FXVD2	3.29E-04	-0.58

ILMN_1816603		3.51E-04	0.38
ILMN_1773963	GNA15	3.55E-04	0.67
ILMN_1733758	MT1B	3.57E-04	0.53
ILMN_2136089	MTE	3.57E-04	0.59
ILMN_1691341	IL7R	3.64E-04	0.77
ILMN_1670490	PDPN	3.64E-04	0.82
ILMN_1695829	TTYH2	3.68E-04	-0.40
ILMN_1763386	BID	3.69E-04	-0.58
ILMN_1681101	42064	3.69E-04	0.70
ILMN_2367671	LIMK2	3.74E-04	0.31
ILMN_1737314	BCL6	3.80E-04	0.64
ILMN_1898124		3.81E-04	0.45
ILMN_1668063	FCN1	4.19E-04	-0.99
ILMN_1662640	C20orf127	4.19E-04	0.53
ILMN_1653496	GLUL	4.62E-04	0.56
ILMN_2389810	ATP11C	4.66E-04	0.39
ILMN_1748883	CDKN2D	4.69E-04	0.36
ILMN_2121816	GPR137B	4.86E-04	0.50
ILMN_1715273	PICALM	4.87E-04	0.53
ILMN_2144088	FDFT1	4.87E-04	-0.49
ILMN_1697309	NCF1	4.87E-04	-0.70
ILMN_1657871	RSAD2	4.87E-04	-0.73
ILMN_3182768	LOC100130520	4.91E-04	0.71
ILMN_1797875	ALOX5AP	4.92E-04	-0.91
ILMN_2358540	RBMS1	4.97E-04	0.77
ILMN_1669881	TSPAN13	5.03E-04	0.41
ILMN_1713759	UBE2J1	5.03E-04	0.63
ILMN_1718303	PVRL2	5.14E-04	0.55
ILMN_2329914	SPRY1	5.34E-04	0.48
ILMN_3260618	LOC100128086	5.54E-04	0.62
ILMN_1910120	LOC730092	5.54E-04	-0.39
ILMN_2060115	SORL1	5.54E-04	-0.44
ILMN_2326273	CHI3L2	5.66E-04	1.06
ILMN_1790689	CRISPLD2	5.85E-04	-0.55
ILMN_2229969	ERO1LB	5.85E-04	0.27
ILMN_1771385	GBP4	5.85E-04	-0.56
ILMN_1745607	A2M	5.85E-04	-0.60
ILMN_1727689	TNFAIP2	5.99E-04	-0.38
ILMN_1748206	C20orf160	5.99E-04	0.19
ILMN_1718621	TSPAN32	6.04E-04	-0.82
ILMN_1653652	PTPRC	6.11E-04	0.51
ILMN_1712112	RCAN1	6.15E-04	0.74
ILMN_1729188	HAMP	6.23E-04	0.55
ILMN_1670322	FCHO2	6.45E-04	0.44
ILMN_3244550	LOC642413	6.58E-04	0.54
ILMN_2094942	42064	6.58E-04	0.61

ILMN_1800739	SPINT2	6.59E-04	0.50
ILMN_1722158	CASP5	6.59E-04	0.60
ILMN_2393149	ALOX15B	6.64E-04	-0.47
ILMN_1806165	HSPA6	6.64E-04	0.46
ILMN_1743933	TSHZ3	6.64E-04	0.49
ILMN_1769388	GJB2	6.64E-04	0.52
ILMN_1768598	LAIR1	6.64E-04	0.73
ILMN_1791576	CHSY1	6.64E-04	1.01
ILMN_1796537	FYB	6.64E-04	0.50
ILMN_3235853	S1PR1	6.65E-04	0.36
ILMN_1784630	KBTBD11	6.68E-04	0.31
ILMN_1710514	BCL3	6.68E-04	0.83
ILMN_2401978	STAT3	6.68E-04	0.53
ILMN_1719606	LOC644762	6.77E-04	0.49
ILMN_1771599	PLOD2	6.77E-04	0.79
ILMN_1815023	PIM1	6.84E-04	0.99
ILMN_1738992	MNDA	6.90E-04	0.64
ILMN_1726913	RBPJ	6.90E-04	0.17
ILMN_1784749	GAS6	6.95E-04	0.59
ILMN_1690566	RASSF4	6.95E-04	0.55
ILMN_1741171	TM2D2	6.95E-04	0.54
ILMN_1799467	SAMD9L	6.95E-04	-0.56
ILMN_1715131	CCR7	6.95E-04	-0.63
ILMN_1688775	METRNL	6.95E-04	0.65
ILMN_1729749	HERC5	6.98E-04	-0.67
ILMN_1749521	SLC35E3	7.08E-04	-0.65
ILMN_1775937	DDB1	7.12E-04	-0.47
ILMN_1652003	GNG10	7.12E-04	0.78
ILMN_1676361	ARHGAP22	7.13E-04	-0.39
ILMN_1798971	FZD5	7.16E-04	0.46
ILMN_3232894	CNRIP1	7.18E-04	0.54
ILMN_1740015	CD14	7.19E-04	0.60
ILMN_2376108	PSMB9	7.20E-04	-0.38
ILMN_1693771	ASPH	7.39E-04	0.53
ILMN_1689160	DPEP2	7.55E-04	-0.45
ILMN_1705769	IL7	7.56E-04	0.59
ILMN_1671509	CCL3	7.79E-04	1.01
ILMN_1713807	MAN1C1	7.85E-04	0.52
ILMN_1651498	GADD45G	7.85E-04	-0.50
ILMN_1812278	LY9	8.25E-04	-0.42
ILMN_1756862	APOL3	8.25E-04	-0.44
ILMN_2355168	MGST1	8.32E-04	-0.46
ILMN_2365465	XBP1	8.68E-04	0.61
ILMN_2373831	BTN3A3	8.68E-04	-0.35
ILMN_1713668	TSNAX	8.68E-04	0.54
ILMN_1806293	LIN7A	8.71E-04	0.19

ILMN_1766896	ZDHC19	8.71E-04	0.67
ILMN_1742601	CR1	8.75E-04	0.47
ILMN_1719695	NFKBIZ	8.77E-04	0.73
ILMN_1747197	SLC41A2	8.77E-04	0.62
ILMN_1695290	FERMT2	8.77E-04	0.32
ILMN_1787509	PRIC285	8.89E-04	-0.48
ILMN_1656938	LOC731486	9.04E-04	-0.72
ILMN_1751464	TNFSF9	9.04E-04	-0.38
ILMN_2112524	RNF149	9.04E-04	0.47
ILMN_1764228	DAB2	9.08E-04	0.52
ILMN_3246065	CCDC151	9.28E-04	0.31
ILMN_3200140	LOC645638	9.39E-04	-0.72
ILMN_1802251	PTTG1IP	9.51E-04	0.53
ILMN_2148819	TUBA1A	9.51E-04	0.49
ILMN_1653319	MC1R	9.55E-04	0.42
ILMN_1853167		9.69E-04	0.53
ILMN_1755873	EMR3	9.96E-04	-0.36
ILMN_1819494		1.00E-03	0.31
ILMN_1688580	CAMP	1.02E-03	-0.39
ILMN_1730628	RNASE2	1.03E-03	0.67
ILMN_2367239	RCAN1	1.03E-03	0.49
ILMN_2086470	PDGFRA	1.03E-03	0.25
ILMN_2320888	CXCR4	1.03E-03	-0.55
ILMN_1659913	ISG20	1.04E-03	-0.74
ILMN_1776121	MGC42367	1.04E-03	0.36
ILMN_1767193	CR1	1.05E-03	0.17
ILMN_1716105	NLRP12	1.05E-03	0.42
ILMN_1729801	S100A8	1.06E-03	0.81
ILMN_1814998	FKSG30	1.07E-03	0.45
ILMN_1777325	STAT1	1.07E-03	-0.63
ILMN_1700515	C17orf58	1.08E-03	0.51
ILMN_2234697	BEX1	1.09E-03	-0.98
ILMN_2186061	PFKFB3	1.09E-03	0.94
ILMN_1733288	C1RL	1.09E-03	0.64
ILMN_1760247	CD70	1.10E-03	-0.38
ILMN_1742167	TUBA1C	1.10E-03	0.64
ILMN_1701789	IFIT3	1.11E-03	-0.62
ILMN_3295494	LOC389386	1.11E-03	0.58
ILMN_1731714	CREB5	1.12E-03	0.45
ILMN_1662973	CD82	1.13E-03	0.43
ILMN_1759374	LOC440132	1.15E-03	0.20
ILMN_1743620	RARRES1	1.16E-03	0.91
ILMN_1658639	SLC46A3	1.17E-03	0.47
ILMN_1684368	C5orf62	1.17E-03	0.48
ILMN_1652680	LOC652616	1.17E-03	-0.44
ILMN_1674789	LOC651738	1.17E-03	0.42

ILMN_1710495	PAPLN	1.18E-03	-0.52
ILMN_1723962	LXN	1.18E-03	0.64
ILMN_1714167	CYB5A	1.18E-03	-0.49
ILMN_1679809	GSTP1	1.22E-03	-0.44
ILMN_2262044	PARP10	1.22E-03	-0.49
ILMN_1770085	BTG2	1.23E-03	0.47
ILMN_2086077	JUNB	1.25E-03	0.41
ILMN_2258004	METRNL	1.25E-03	0.22
ILMN_1761281	LOC441019	1.28E-03	0.56
ILMN_3209232	LOC644496	1.29E-03	0.40
ILMN_1781388	PGM5	1.29E-03	-0.39
ILMN_1778845	FAM111A	1.29E-03	-0.37
ILMN_1775380	SMOX	1.29E-03	0.57
ILMN_1718977	GADD45B	1.31E-03	0.32
ILMN_1799106	MOSC1	1.31E-03	-0.44
ILMN_1731589	PTPRJ	1.31E-03	0.31
ILMN_2368292	TSEN34	1.31E-03	0.52
ILMN_1656837	RBP1	1.31E-03	-0.42
ILMN_1663618	STAT3	1.34E-03	0.58
ILMN_2150258	ZFP36L2	1.35E-03	-0.39
ILMN_1679797	ADARB1	1.35E-03	0.49
ILMN_2408572	RNASE4	1.35E-03	-0.33
ILMN_2398572	FXVD2	1.42E-03	-0.30
ILMN_1671731	AVPI1	1.46E-03	-0.51
ILMN_1801610	METRNL	1.46E-03	0.44
ILMN_1702009	SV2A	1.47E-03	0.16
ILMN_1712708	TRIM47	1.47E-03	0.32
ILMN_1811624	THADA	1.49E-03	-0.34
ILMN_2367753	ATP2B4	1.50E-03	0.51
ILMN_2152257	SSTR2	1.51E-03	0.35
ILMN_1814200	BMP2K	1.51E-03	0.38
ILMN_3238814	LOC100170939	1.51E-03	0.49
ILMN_2404385	REPIN1	1.56E-03	-0.44
ILMN_1718046	ARNT2	1.56E-03	0.54
ILMN_1678422	DHX58	1.58E-03	-0.38
ILMN_1720270	CDR2	1.58E-03	-0.37
ILMN_1654560	TLR6	1.59E-03	0.61
ILMN_3234142	LOC728855	1.59E-03	0.45
ILMN_1708537	RBPJ	1.59E-03	0.47
ILMN_1660847	PFKFB3	1.60E-03	0.68
ILMN_1752728	FUCA1	1.60E-03	-0.45
ILMN_1665865	IGFBP4	1.61E-03	0.52
ILMN_1704369	LIMA1	1.61E-03	0.39
ILMN_2383707	ALDH1A2	1.61E-03	0.42
ILMN_1769520	UBE2L6	1.63E-03	-0.47
ILMN_1719205	FBL	1.63E-03	-0.36

ILMN_1712985	C17orf58	1.63E-03	0.42
ILMN_1674063	OAS2	1.63E-03	-0.63
ILMN_2239754	IFIT3	1.65E-03	-0.65
ILMN_1715068	AQP9	1.67E-03	0.44
ILMN_2363058	PAOX	1.68E-03	-0.36
ILMN_1767809	DNAJC25- GNG10	1.70E-03	0.58
ILMN_2404625	LAT	1.70E-03	-0.46
ILMN_1679826	CST7	1.71E-03	-0.34
ILMN_1803256	STOX2	1.71E-03	-0.34
ILMN_1812552	PHCA	1.73E-03	0.38
ILMN_1728742	C5orf4	1.79E-03	-0.32
ILMN_3259146	LOC100129681	1.84E-03	-0.44
ILMN_2170814	LAMP3	1.84E-03	-0.54
ILMN_1691539	LAT	1.85E-03	-0.50
ILMN_1711608	SSBP2	1.88E-03	0.47
ILMN_1745397	OAS3	1.88E-03	-0.59
ILMN_1703108	UBE2L6	1.88E-03	-0.52
ILMN_1779558	GAS6	1.89E-03	0.65
ILMN_1738116	TMEM119	1.91E-03	-0.54
ILMN_1672834	SSH2	1.92E-03	0.41
ILMN_1776327	LOC727820	1.97E-03	-0.24
ILMN_1685005	TNFRSF1A	1.97E-03	0.43
ILMN_1686862	HLX	1.97E-03	0.31
ILMN_1804663	THBS3	1.97E-03	0.44
ILMN_1784863	CD36	1.97E-03	0.54
ILMN_1739428	IFIT2	2.01E-03	-0.60
ILMN_1695432	TPST2	2.01E-03	0.48
ILMN_3215715	LOC389386	2.05E-03	0.57
ILMN_2376403	TSC22D3	2.05E-03	0.42
ILMN_1665877	RNF149	2.05E-03	0.55
ILMN_1781373	IFIH1	2.06E-03	-0.49
ILMN_1683792	LAP3	2.07E-03	0.57
ILMN_1701731	AKR1B1	2.08E-03	-0.46
ILMN_1748915	S100A12	2.10E-03	0.42
ILMN_2093343	PLAC8	2.11E-03	-0.81
ILMN_1653504	EDG1	2.11E-03	0.31
ILMN_1739222	ETV5	2.11E-03	0.47
ILMN_2110908	MYC	2.12E-03	0.34
ILMN_1707727	ANGPTL4	2.14E-03	0.49
ILMN_1810420	DYSF	2.18E-03	0.58
ILMN_2184373	IL8	2.18E-03	-0.46
ILMN_1706434	LOC440359	2.20E-03	0.51
ILMN_1685122	COL9A2	2.20E-03	-0.24
ILMN_1749006	RCSN1	2.20E-03	-0.40
ILMN_2358541	RBMS1	2.22E-03	0.48

ILMN_1804277	SPRED1	2.24E-03	0.42
ILMN_1683923	MT1H	2.26E-03	0.48
ILMN_1668865	SLC2A14	2.30E-03	0.37
ILMN_1812384	NR3C1	2.30E-03	0.38
ILMN_2204876	FLVCR2	2.31E-03	0.53
ILMN_1656011	RGS1	2.37E-03	-0.43
ILMN_1707695	IFIT1	2.37E-03	-0.60
ILMN_1675640	OAS1	2.37E-03	-0.45
ILMN_1768181	TOR3A	2.37E-03	-0.40
ILMN_1748093	PAFAH1B3	2.39E-03	0.36
ILMN_1728799	FBP1	2.41E-03	-0.47
ILMN_1791511	TMEM176A	2.42E-03	0.62
ILMN_1788416	FAM108C1	2.45E-03	0.76
ILMN_2312194	CYB5A	2.45E-03	-0.40
ILMN_1791771	HCK	2.45E-03	0.53
ILMN_1723004	CD72	2.45E-03	0.34
ILMN_2312606	IRF5	2.47E-03	-0.43
ILMN_1710962	TMEM97	2.52E-03	-0.26
ILMN_1712088	CLYBL	2.53E-03	-0.30
ILMN_1808979	CLEC4D	2.60E-03	0.40
ILMN_1804396	C14orf4	2.60E-03	0.46
ILMN_1755732	ARMC9	2.62E-03	-0.28
ILMN_1803317	C9orf114	2.63E-03	-0.34
ILMN_2105573	CCL3L3	2.63E-03	0.86
ILMN_2383871	ZNF74	2.63E-03	-0.18
ILMN_1662328	CNNM3	2.63E-03	-0.29
ILMN_1655884	ATP2A2	2.64E-03	0.49
ILMN_1780861	LOC653506	2.69E-03	0.53
ILMN_2375879	VEGFA	2.69E-03	0.33
ILMN_1751851	CECR1	2.72E-03	-0.55
ILMN_3239965	IDO1	2.73E-03	-0.48
ILMN_1786444	LPL	2.73E-03	-0.37
ILMN_1661537	LEPROT	2.73E-03	0.45
ILMN_2296037	PTPN2	2.76E-03	0.24
ILMN_1697567	TPM3	2.77E-03	0.50
ILMN_1785852	OBFC2A	2.78E-03	0.43
ILMN_1675656	PPFIBP2	2.79E-03	-0.50
ILMN_1727045	RASGRP3	2.82E-03	-0.46
ILMN_2331121	FCGR2C	2.82E-03	0.17
ILMN_1760189	NAIP	2.84E-03	0.31
ILMN_3224856	LOC729660	2.86E-03	0.60
ILMN_1810725	FAM129A	2.86E-03	0.61
ILMN_1736939	UGCG	2.86E-03	0.53
ILMN_1678353	FARP1	2.87E-03	-0.31
ILMN_1751079	TAP1	2.87E-03	-0.47
ILMN_1747355	CCL3L1	2.87E-03	0.94

ILMN_1696974	ANG	2.87E-03	-0.41
ILMN_1794612	UBA7	2.88E-03	-0.46
ILMN_1811148	BMP2K	2.88E-03	0.42
ILMN_1681296	ICAM4	2.95E-03	-0.17
ILMN_2415421	SLC30A2	2.96E-03	0.21
ILMN_1772387	TLR2	2.98E-03	0.23
ILMN_1800898	ARG2	3.01E-03	0.39
ILMN_1657455	CEACAM4	3.10E-03	0.17
ILMN_1697925	APOB48R	3.10E-03	-0.32
ILMN_1712545	S100A3	3.13E-03	0.23
ILMN_1761912	MGAT1	3.13E-03	-0.39
ILMN_1705848	FAM104B	3.15E-03	-0.56
ILMN_3231621	LOC730235	3.16E-03	0.52
ILMN_1777519	ITGB7	3.17E-03	-0.48
ILMN_1798006	ANKRD35	3.17E-03	0.39
ILMN_2044453	LPAR5	3.17E-03	0.33
ILMN_1687533	SEMA4D	3.17E-03	-0.43
ILMN_1726114	SLC45A3	3.18E-03	-0.24
ILMN_1807106	LDHA	3.22E-03	0.54
ILMN_2260082	NAIP	3.22E-03	0.33
ILMN_1775448	PFN2	3.22E-03	0.21
ILMN_1726624	YPEL4	3.29E-03	-0.39
ILMN_1792497	HRB	3.30E-03	0.46
ILMN_1746408	MIDN	3.31E-03	0.39
ILMN_1727466	KCNMB4	3.34E-03	0.52
ILMN_2342066	METRNL	3.37E-03	0.37
ILMN_2134974	RAB38	3.38E-03	-0.33
ILMN_2331082	MS4A7	3.41E-03	-0.53
ILMN_2054019	ISG15	3.42E-03	-0.66
ILMN_1658926	NOTCH3	3.42E-03	-0.26
ILMN_3250899	SULT1A3	3.42E-03	0.17
ILMN_1764769	VWA5A	3.43E-03	0.37
ILMN_1693338	CYP1B1	3.43E-03	0.55
ILMN_1757343	PABPC4	3.44E-03	-0.38
ILMN_1690921	STAT2	3.44E-03	-0.54
ILMN_1668822	BATF	3.44E-03	0.31
ILMN_1730032	BOK	3.44E-03	-0.41
ILMN_3260345	AGFG1	3.44E-03	0.35
ILMN_1772692	DICER1	3.47E-03	0.45
ILMN_1808634	TMEM77	3.53E-03	0.33
ILMN_1678454	CASP4	3.53E-03	0.54
ILMN_1799890	ZFYVE20	3.54E-03	0.39
ILMN_1731287	ARFGAP3	3.55E-03	0.36
ILMN_1748124	TSC22D3	3.58E-03	0.44
ILMN_1804812	ANAPC1	3.63E-03	-0.30
ILMN_1656310	INDO	3.64E-03	-0.51

ILMN_1798249	AK3L1	3.71E-03	0.29
ILMN_1792922	SOD2	3.72E-03	0.31
ILMN_1811616	EEDP1	3.73E-03	-0.30
ILMN_1693452	GAL3ST4	3.84E-03	0.48
ILMN_1804117	FAM89B	3.85E-03	0.42
ILMN_1788783	TRAM2	3.87E-03	0.28
ILMN_1744968	KCNAB1	3.90E-03	-0.30
ILMN_1716859	TDO2	3.91E-03	1.16
ILMN_1775703	TRAPPC6A	3.94E-03	-0.31
ILMN_2159272	PDCD1LG2	3.95E-03	0.37
ILMN_2339955	NR4A2	3.95E-03	-0.20
ILMN_1693630	C16orf7	3.97E-03	0.31
ILMN_1723260	ETV5	4.09E-03	0.38
ILMN_1666453	STK3	4.10E-03	0.36
ILMN_1719627	SLC27A3	4.11E-03	-0.40
ILMN_1795342	MLPH	4.11E-03	-0.31
ILMN_2358626	ADK	4.14E-03	-0.39
ILMN_2399140	RAB5C	4.15E-03	0.30
ILMN_1716687	TPM1	4.15E-03	0.28
ILMN_2087646	HLX	4.19E-03	0.54
ILMN_1667748	ANKRD33	4.21E-03	-0.39
ILMN_1721106	C14orf159	4.26E-03	-0.51
ILMN_1792473	AIF1	4.26E-03	0.41
ILMN_1662358	MX1	4.26E-03	-0.39
ILMN_2352934	ASPH	4.27E-03	0.34
ILMN_1751425	ERMP1	4.34E-03	-0.35
ILMN_1797950	EXTL2	4.39E-03	-0.25
ILMN_3242540	CD163L1	4.39E-03	0.21
ILMN_1720604	ARSG	4.40E-03	-0.22
ILMN_2278433	LOC285074	4.40E-03	-0.35
ILMN_1745779	TCTEX1D2	4.40E-03	0.19
ILMN_1720771	STX11	4.40E-03	-0.41
ILMN_2398926	C17orf58	4.40E-03	0.61
ILMN_3300744	LOC728666	4.40E-03	0.40
ILMN_1667460	SULF2	4.42E-03	-0.26
ILMN_2198408	MFF	4.42E-03	0.51
ILMN_1796094	CD36	4.44E-03	0.59
ILMN_1691616	LOC727935	4.53E-03	0.33
ILMN_2085012	TMEM176B	4.58E-03	0.32
ILMN_1699331	IFIT1	4.58E-03	-0.34
ILMN_1683023	PDGFC	4.59E-03	-0.30
ILMN_1770787	DDAH2	4.63E-03	0.36
ILMN_1680805	IL28RA	4.63E-03	-0.25
ILMN_1718766	MT1F	4.64E-03	0.39
ILMN_1719986	PIK3IP1	4.64E-03	-0.34
ILMN_1731503	MARCO	4.69E-03	0.84

ILMN_2329679	TPST2	4.72E-03	0.37
ILMN_1916137		4.72E-03	-0.12
ILMN_1867664	SPTLC3	4.72E-03	0.21
ILMN_2331231	TNFRSF6B	4.77E-03	0.29
ILMN_2124221	CLLU1OS	4.85E-03	-0.51
ILMN_1741881	C9orf72	4.88E-03	0.34
ILMN_1692651	PHB	4.89E-03	-0.35
ILMN_2372413	BID	4.93E-03	-0.37
ILMN_1814305	SAMD9	4.93E-03	-0.53
ILMN_1700143	FRMD4B	4.95E-03	0.28
ILMN_1751072	SRPRB	4.99E-03	-0.29
ILMN_3284119	LOC399804	4.99E-03	-0.34
ILMN_1722834	RGS12	4.99E-03	-0.56
ILMN_1658706	ST6GALNAC2	5.06E-03	-0.37
ILMN_3223317	LOC728666	5.14E-03	0.35
ILMN_1736929	PLB1	5.20E-03	0.15
ILMN_2389151	UGP2	5.20E-03	0.35
ILMN_1811719	MYO7A	5.45E-03	0.29
ILMN_1667893	TNS3	5.45E-03	0.37
ILMN_1762167	GTDC1	5.45E-03	0.27
ILMN_1755658	ABI3	5.51E-03	-0.35
ILMN_1786612	PSME2	5.55E-03	-0.39
ILMN_1740466	FAM46A	5.62E-03	-0.45
ILMN_2402341	MAPK3	5.62E-03	0.33
ILMN_1670353	RAD51AP1	5.64E-03	-0.39
ILMN_1745021	SLC30A1	5.70E-03	0.37
ILMN_1682996	VWA5A	5.71E-03	0.34
ILMN_1669550	MAD2L2	5.71E-03	0.38
ILMN_1781045	FXVD2	5.72E-03	-0.30
ILMN_1794803	NDP	5.75E-03	1.36
ILMN_1799889	ATP6V0D2	5.85E-03	-0.56
ILMN_1713934	LITAF	5.85E-03	0.48
ILMN_1748751	NLF2	5.90E-03	0.74
ILMN_1721626	ARID5B	5.91E-03	0.43
ILMN_1778709	PICALM	5.94E-03	0.24
ILMN_2055156	PAG1	5.94E-03	0.38
ILMN_3256478	LOC100129034	6.03E-03	0.41
ILMN_1743570	CEACAM3	6.03E-03	0.38
ILMN_1809866	WDR74	6.05E-03	-0.30
ILMN_1727524	ADAM9	6.08E-03	0.36
ILMN_1776777	ADAR	6.08E-03	-0.45
ILMN_1723158	NOP2	6.11E-03	-0.33
ILMN_1756541	MXD4	6.33E-03	-0.39
ILMN_2101278	RGS18	6.36E-03	0.34
ILMN_1677827	TLR7	6.49E-03	0.30
ILMN_3306730	RBM47	6.49E-03	0.37

ILMN_1750429	MKNK1	6.57E-03	0.36
ILMN_2365248	HVCN1	6.57E-03	-0.33
ILMN_1772369	PDHA1	6.61E-03	-0.37
ILMN_3205353	LOC100131294	6.65E-03	0.30
ILMN_1670672	TMEM37	6.65E-03	0.37
ILMN_2122103	ETS1	6.65E-03	0.51
ILMN_1711786	NFE2	6.69E-03	0.55
ILMN_1811933	SHMT1	6.70E-03	-0.36
ILMN_2245305	ABHD12	6.71E-03	-0.37
ILMN_1780582	CD83	6.71E-03	-0.46
ILMN_2340217	PTPRC	6.74E-03	0.46
ILMN_1745242	PLSCR1	6.74E-03	0.55
ILMN_1659914	C9orf98	6.75E-03	-0.31
ILMN_2243308	ACVR1B	6.75E-03	0.37
ILMN_2208903	CD52	6.81E-03	-0.49
ILMN_1652357	PDHX	6.82E-03	0.38
ILMN_2378100	FBXL5	6.82E-03	0.36
ILMN_1658995	ACOT9	6.85E-03	-0.39
ILMN_1739751	SLC26A11	6.85E-03	-0.44
ILMN_3248551	C2CD4B	6.92E-03	0.68
ILMN_2072101	C4orf49	6.92E-03	-0.14
ILMN_2352121	NT5C3	6.98E-03	-0.65
ILMN_2128293	APIP	7.00E-03	0.43
ILMN_2337336	PVRL2	7.00E-03	0.43
ILMN_2169439	ITGAV	7.00E-03	0.67
ILMN_1769895	CCR2	7.01E-03	0.20
ILMN_1675190	RETN	7.09E-03	0.13
ILMN_2384241	TGFBR2	7.09E-03	0.37
ILMN_1664922	FLNB	7.31E-03	-0.29
ILMN_1684346	TNFAIP8L1	7.33E-03	-0.30
ILMN_1751975	ALOX15B	7.33E-03	-0.25
ILMN_2162972	LYZ	7.34E-03	-0.48
ILMN_3247261	RAPGEF2	7.34E-03	0.32
ILMN_1788017	HSH2D	7.44E-03	-0.32
ILMN_1815168	HVCN1	7.46E-03	-0.40
ILMN_1739032	TMEM70	7.50E-03	0.26
ILMN_1810560	P8	7.50E-03	-0.37
ILMN_1755405	FRAG1	7.53E-03	-0.34
ILMN_1727617	XRN2	7.53E-03	0.34
ILMN_2156982	IMP4	7.54E-03	-0.39
ILMN_1747744	LHFPL2	7.54E-03	0.37
ILMN_1665859	RAB27A	7.57E-03	0.32
ILMN_1724139	TMEM123	7.57E-03	-0.34
ILMN_1787529	C3AR1	7.58E-03	0.36
ILMN_1717163	F13A1	7.73E-03	0.42
ILMN_2367070	ACOT9	7.77E-03	-0.42

ILMN_1742981	TUBA1A	7.77E-03	1.08
ILMN_1673892	GK5	7.83E-03	0.27
ILMN_1690170	CRABP2	7.85E-03	-0.33
ILMN_2345142	SULF2	7.95E-03	-0.23
ILMN_1813685	RAB7L1	7.96E-03	0.33
ILMN_1654445	LOC347292	7.96E-03	-0.30
ILMN_1736729	OAS2	8.02E-03	-0.35
ILMN_1694177	PCNA	8.04E-03	-0.40
ILMN_1706502	EIF2AK2	8.07E-03	-0.44
ILMN_1661717	TFDP1	8.10E-03	-0.46
ILMN_1654639	HERC6	8.11E-03	-0.45
ILMN_1738263	PIGU	8.15E-03	-0.32
ILMN_2246882	SP140	8.16E-03	-0.26
ILMN_1659984	MEP1A	8.17E-03	-0.24
ILMN_1793517	RASAL1	8.17E-03	-0.28
ILMN_1666364	COQ10A	8.17E-03	-0.29
ILMN_2104141	FGD5	8.22E-03	0.36
ILMN_1689652	RNMTL1	8.28E-03	-0.30
ILMN_2329429	GIMAP6	8.44E-03	0.35
ILMN_1736441	PDXP	8.44E-03	-0.33
ILMN_1790778	PNMA2	8.44E-03	0.40
ILMN_3266606	FABP5L2	8.44E-03	0.33
ILMN_1727606	C12orf59	8.47E-03	0.27
ILMN_1765880	C16orf57	8.47E-03	0.43
ILMN_1674046	C10orf128	8.56E-03	-0.31
ILMN_1765076	APPL2	8.64E-03	0.34
ILMN_2392189	CTDSPL	8.66E-03	-0.40
ILMN_2114568	GBP5	8.66E-03	-0.45
ILMN_1680579	ATP2B4	8.72E-03	0.48
ILMN_1658425	DAG1	8.72E-03	-0.31
ILMN_1782305	NR4A2	8.75E-03	-0.38
ILMN_2128428	DAB2	8.78E-03	0.42
ILMN_3251145	LDHA	8.78E-03	0.17
ILMN_1812489	CCDC21	8.84E-03	-0.26
ILMN_2257665	PARL	8.96E-03	0.44
ILMN_1681252	C17orf44	9.06E-03	-0.31
ILMN_1750181	TESC	9.09E-03	0.25
ILMN_1807277	IFI30	9.24E-03	-0.31
ILMN_1740875	FPR2	9.28E-03	0.50
ILMN_1805228	LRG1	9.34E-03	0.26
ILMN_2128750	PTTG1IP	9.40E-03	0.35
ILMN_1752755	VWF	9.45E-03	-0.55
ILMN_1752199	LHPP	9.45E-03	-0.34
ILMN_1736806	PAG1	9.45E-03	0.29
ILMN_1665095	NELF	9.45E-03	-0.26
ILMN_2187727	NOC3L	9.45E-03	-0.25

ILMN_1782788	CSDA	9.45E-03	0.46
ILMN_1718972	MFSD3	9.45E-03	-0.30
ILMN_1677603	C1S	9.45E-03	0.18
ILMN_1694539	MAP3K6	9.45E-03	0.31
ILMN_1781795	ERH	9.49E-03	-0.35
ILMN_1781812	NR4A3	9.50E-03	-0.15
ILMN_1782938	SLC16A10	9.52E-03	0.39
ILMN_1750409	RAB9A	9.56E-03	-0.33
ILMN_1906423		9.56E-03	0.44
ILMN_1756501	ST6GAL1	9.61E-03	0.28
ILMN_1787718	SLC27A1	9.62E-03	-0.31
ILMN_1681016	SPNS1	9.67E-03	-0.32
ILMN_1781536	FAH	9.72E-03	-0.36
ILMN_1792885	CTSC	9.76E-03	0.43
ILMN_1681591	PTPN1	9.76E-03	0.42
ILMN_1797531	PRKAG2	9.78E-03	-0.32
ILMN_1659553	ANAPC1	9.78E-03	-0.23
ILMN_1776602	RNASE4	9.85E-03	-0.44
ILMN_2375418	DPH2	9.87E-03	-0.26
ILMN_1702637	BEX1	9.95E-03	-0.22

IL4

ProbeID	Gene Symbol	FDR	Log ₂ [IL4/NoTx]
ILMN_2136446	CTNNAL1	9.45E-11	2.52
ILMN_1721901	CTNNAL1	3.57E-10	2.84
ILMN_1756701	DHRS11	3.95E-10	2.27
ILMN_1764030	CCL23	9.81E-10	2.24
ILMN_1671486	HOMER2	9.81E-10	2.19
ILMN_1761968	PPP1R14A	1.27E-09	2.15
ILMN_1686109	CCL23	1.57E-09	2.09
ILMN_1705750	TGM2	2.53E-09	2.81
ILMN_1747355	CCL3L1	5.83E-09	1.89
ILMN_1792885	CTSC	5.90E-09	2.62
ILMN_1676372	CD209	8.04E-09	2.80
ILMN_1671509	CCL3	8.04E-09	1.89
ILMN_1679267	TGM2	8.91E-09	1.42
ILMN_3245659	ERI1	8.91E-09	1.81
ILMN_1779558	GAS6	9.49E-09	1.44
ILMN_2105573	CCL3L3	9.49E-09	1.86
ILMN_1682312	CYBB	9.79E-09	-1.77
ILMN_1800739	SPINT2	1.55E-08	2.37
ILMN_1729801	S100A8	1.74E-08	-1.85
ILMN_1797236	TGM2	1.93E-08	1.21
ILMN_2218856	CCL3L1	2.28E-08	1.53

ILMN_1693009	FGL2	2.65E-08	1.69
ILMN_1710186	CCL17	3.56E-08	4.11
ILMN_1738207	CISH	3.56E-08	1.27
ILMN_1784749	GAS6	3.56E-08	1.31
ILMN_1724708	RAB33A	4.14E-08	2.02
ILMN_2373791	ENPP2	4.28E-08	1.18
ILMN_2415303	CLEC10A	5.20E-08	2.46
ILMN_1671969	UGP2	5.40E-08	1.30
ILMN_1784756	ACOT7	5.41E-08	1.78
ILMN_1750974	S100A9	5.41E-08	-1.24
ILMN_2332250	ACOT7	5.41E-08	1.81
ILMN_3247139	C17orf96	6.50E-08	1.60
ILMN_2092118	FPR1	7.13E-08	-1.41
ILMN_2403237	CHN2	8.92E-08	1.18
ILMN_3201937	LOC645381	1.13E-07	1.32
ILMN_2184373	IL8	1.25E-07	-1.45
ILMN_1676563	HTRA1	1.33E-07	-1.45
ILMN_2160476	CCL22	1.42E-07	1.77
ILMN_1709348	ALDH1A1	1.47E-07	-1.32
ILMN_1780799	ENPP2	1.48E-07	1.16
ILMN_1654411	CCL18	1.48E-07	1.72
ILMN_1678939	VNN2	1.48E-07	-2.09
ILMN_3247023	FLJ22536	1.48E-07	-1.30
ILMN_2101278	RGS18	1.49E-07	-0.92
ILMN_1783593	CCL13	1.57E-07	4.48
ILMN_1774733	SOCS1	1.93E-07	1.87
ILMN_2399363	CLEC4A	2.29E-07	1.52
ILMN_1704985	CYP27A1	2.42E-07	-1.21
ILMN_1759818	SORL1	2.58E-07	-0.65
ILMN_1696347	CTSC	2.74E-07	1.81
ILMN_1694075	GADD45A	3.01E-07	0.95
ILMN_1683658	FKBP1A	3.47E-07	1.18
ILMN_1712532	CARD9	3.51E-07	1.09
ILMN_1809639	TMEM26	3.51E-07	1.20
ILMN_1704369	LIMA1	3.51E-07	1.11
ILMN_1763207	BATF3	3.59E-07	1.66
ILMN_1702447	IGF2BP2	3.59E-07	0.91
ILMN_1663640	MAOA	3.66E-07	2.28
ILMN_1746673	42250	3.66E-07	0.84
ILMN_1681601	SUCNR1	3.86E-07	1.45
ILMN_2242463	CTSC	4.27E-07	1.75
ILMN_1747197	SLC41A2	4.35E-07	0.79
ILMN_1682636	CXCL2	4.43E-07	-0.81
ILMN_1911721		4.43E-07	1.40
ILMN_1701173	KCNK6	4.43E-07	1.09
ILMN_3244114	DHRS11	4.48E-07	1.75

ILMN_1680132	CADM1	4.48E-07	-1.64
ILMN_1807719	CTNS	4.81E-07	1.11
ILMN_1666049	NUP214	4.81E-07	-1.06
ILMN_1740265	ACOT7	4.83E-07	1.80
ILMN_2335754	CD1E	5.22E-07	0.96
ILMN_1677396	NDFIP2	5.49E-07	0.91
ILMN_1696974	ANG	5.55E-07	-0.98
ILMN_2162972	LYZ	5.55E-07	-1.28
ILMN_1733535	ZNF366	6.15E-07	0.99
ILMN_1810560	P8	6.91E-07	-1.41
ILMN_1751789	HNMT	6.91E-07	-0.98
ILMN_1764754	RAMP1	6.91E-07	1.56
ILMN_1670490	PDPN	6.91E-07	-1.03
ILMN_1671116	C3orf21	6.93E-07	1.17
ILMN_1760727	ANG	6.93E-07	-1.09
ILMN_1677038	FLJ21986	6.93E-07	-0.77
ILMN_2346479	HOMER2	7.09E-07	1.36
ILMN_1797875	ALOX5AP	7.09E-07	-1.64
ILMN_1776602	RNASE4	7.30E-07	-0.89
ILMN_1691376	JAG1	7.30E-07	0.63
ILMN_1699071	C21orf7	7.30E-07	-1.08
ILMN_1758864	VNN2	7.67E-07	-1.96
ILMN_1665455	DCUN1D3	7.67E-07	1.76
ILMN_2202915	FAR2	7.72E-07	1.55
ILMN_1731745	NINJ2	8.12E-07	-0.90
ILMN_2371280	CSF3R	8.62E-07	-1.06
ILMN_2348487	EMR3	9.28E-07	-1.11
ILMN_3306997	METTL1	9.59E-07	0.97
ILMN_1702237	FKBP1A	1.00E-06	0.71
ILMN_1790689	CRISPLD2	1.00E-06	-1.07
ILMN_2294978	RNASE4	1.00E-06	-0.86
ILMN_1694780	GCHFR	1.01E-06	-1.05
ILMN_2060115	SORL1	1.07E-06	-0.66
ILMN_1757072	LOC642489	1.07E-06	1.10
ILMN_1775501	IL1B	1.07E-06	-1.15
ILMN_2052208	GADD45A	1.09E-06	0.97
ILMN_2129505	CYBASC3	1.09E-06	-0.93
ILMN_2404688	NUPR1	1.10E-06	-1.38
ILMN_2294976	RNASE4	1.10E-06	-0.88
ILMN_2205963	C10orf54	1.13E-06	-1.06
ILMN_1774110	CHN2	1.14E-06	0.92
ILMN_1731292	CA5A	1.14E-06	0.69
ILMN_1747305	GIMAP8	1.14E-06	-1.03
ILMN_1713679	MREG	1.14E-06	0.78
ILMN_1856480		1.18E-06	1.01
ILMN_1793859	ALDH2	1.18E-06	-0.90

ILMN_1740015	CD14	1.23E-06	-1.43
ILMN_3240222	PRAGMIN	1.32E-06	1.13
ILMN_1751572	TLE1	1.32E-06	1.09
ILMN_1673773	GALNTL4	1.32E-06	0.61
ILMN_1785071	SEPP1	1.36E-06	-0.93
ILMN_1707312	NFIL3	1.36E-06	1.22
ILMN_1749244	LYRM1	1.46E-06	1.07
ILMN_1780465	CLEC5A	1.55E-06	-0.88
ILMN_1811114	SDS	1.55E-06	-1.19
ILMN_1654210	CD1C	1.64E-06	0.76
ILMN_3242586	RHOU	1.64E-06	-1.10
ILMN_1779706	TP53BP2	1.72E-06	0.80
ILMN_1738116	TMEM119	1.80E-06	-1.21
ILMN_1713124	AKR1C3	1.86E-06	-1.16
ILMN_1760180	MID2	1.86E-06	0.79
ILMN_1770768	SLAMF1	1.89E-06	0.92
ILMN_1744138	CHCHD7	1.96E-06	0.85
ILMN_2408572	RNASE4	1.96E-06	-0.69
ILMN_1735930	KLF2	1.99E-06	1.71
ILMN_2147435	MAN2A1	2.06E-06	0.76
ILMN_1709204	CLEC4A	2.09E-06	1.45
ILMN_2143795	MGC4677	2.12E-06	1.10
ILMN_2261600	FCGR1B	2.12E-06	-1.12
ILMN_1670325	SLC47A1	2.21E-06	0.83
ILMN_2391051	FCGR1B	2.21E-06	-0.80
ILMN_1673960	MAT2B	2.32E-06	0.90
ILMN_1761961	CCDC90A	2.39E-06	0.85
ILMN_1757186	GIMAP1	2.44E-06	-1.12
ILMN_2359945	CES1	2.47E-06	-0.93
ILMN_2382648	MID2	2.50E-06	0.72
ILMN_2402798	AP2M1	2.67E-06	0.83
ILMN_2401878	DUSP10	2.68E-06	-0.90
ILMN_1705047	TLR8	2.69E-06	-0.87
ILMN_1666733	IL8	2.71E-06	-1.75
ILMN_2096372	ALDH1A1	2.71E-06	-0.94
ILMN_2176063	FCGR1A	2.71E-06	-0.94
ILMN_1728435	C12orf45	2.72E-06	0.92
ILMN_1804277	SPRED1	2.74E-06	1.01
ILMN_1682081	RNF19B	2.74E-06	1.32
ILMN_1733666	PLDN	2.78E-06	0.77
ILMN_1913678		2.86E-06	-0.89
ILMN_1657892	TLR8	2.99E-06	-1.05
ILMN_2136089	MTE	3.05E-06	-0.92
ILMN_1791147	YPEL3	3.08E-06	-0.75
ILMN_2401873	DUSP10	3.29E-06	-0.60
ILMN_2216918	SHPK	3.29E-06	0.84

ILMN_1805737	PFKP	3.40E-06	1.08
ILMN_1763638	BCAR3	3.40E-06	0.70
ILMN_1780582	CD83	3.48E-06	0.96
ILMN_1667050	PRPS1	3.50E-06	0.94
ILMN_1699489	TUBB6	3.69E-06	0.80
ILMN_1661755	FAM129B	3.76E-06	0.71
ILMN_1857017		3.94E-06	0.96
ILMN_1666845	KRT17	3.96E-06	0.50
ILMN_2374633	ZWILCH	3.96E-06	0.69
ILMN_3207060	LOC647276	3.96E-06	0.75
ILMN_3236428	TMEM170B	3.96E-06	-0.78
ILMN_1805175	TGFA	3.96E-06	0.81
ILMN_1712475	HS3ST2	3.96E-06	0.61
ILMN_1761281	LOC441019	4.03E-06	-0.89
ILMN_1780671	PLEKHG3	4.09E-06	-0.50
ILMN_1776181	BIRC3	4.23E-06	1.15
ILMN_1751561	CAMK1D	4.24E-06	0.70
ILMN_1795930	PTGER4	4.24E-06	-0.80
ILMN_1796336	MAP1S	4.27E-06	1.17
ILMN_1688775	METRNL	4.33E-06	1.16
ILMN_1804051	SNX8	4.39E-06	1.17
ILMN_1785345	GPR84	4.39E-06	-0.99
ILMN_1664631	ADAM28	4.52E-06	-0.48
ILMN_1701914	CD274	4.69E-06	0.65
ILMN_1689004	TNFRSF12A	4.69E-06	0.64
ILMN_1655990	CDK5RAP2	4.95E-06	-0.90
ILMN_1690342	LTA4H	5.12E-06	-1.18
ILMN_1689734	IL1RN	5.21E-06	1.46
ILMN_1735764	HTR2B	5.21E-06	-1.20
ILMN_1906187		5.21E-06	0.66
ILMN_1796349	SMPDL3A	5.21E-06	-0.90
ILMN_2401258	FAM13A	5.37E-06	-0.65
ILMN_1658071	ATP1B1	5.37E-06	0.75
ILMN_1676159	MST4	5.97E-06	1.00
ILMN_1669831	C6orf192	6.03E-06	-0.94
ILMN_1719543	MAF	6.08E-06	0.85
ILMN_1653166	CLEC10A	6.13E-06	1.52
ILMN_1726230	CD1B	6.14E-06	0.68
ILMN_1669409	VSIG4	6.23E-06	-1.06
ILMN_1710221	GPR35	6.26E-06	0.72
ILMN_1758229	QSOX1	6.40E-06	0.74
ILMN_1676548	BZW2	6.40E-06	0.68
ILMN_1661695	IRAK3	6.52E-06	-0.68
ILMN_3283573	LOC647276	6.52E-06	0.77
ILMN_1730816	GPR162	6.59E-06	-0.72
ILMN_3280402	LOC100132510	6.84E-06	-0.56

ILMN_1657435	MT1M	7.12E-06	-0.86
ILMN_1680996	ALOX5	7.14E-06	-1.45
ILMN_1700268	QPRT	7.17E-06	1.26
ILMN_2339835	PTGS1	7.33E-06	0.91
ILMN_1682761	C17orf87	7.44E-06	1.74
ILMN_1652237	CBR3	7.44E-06	0.60
ILMN_1695246	KLHDC8B	7.46E-06	-0.99
ILMN_1704797	CLEC10A	7.57E-06	1.03
ILMN_1756862	APOL3	7.60E-06	-0.74
ILMN_2328666	CD83	8.03E-06	0.87
ILMN_2197365	RGS2	8.05E-06	-1.08
ILMN_1800225	PPARG	8.20E-06	0.87
ILMN_3307757	C17orf87	8.35E-06	1.51
ILMN_1752285	RPL4	8.35E-06	0.84
ILMN_2193817	CLEC4G	8.39E-06	0.77
ILMN_1751034	ITPRIPL2	8.49E-06	0.90
ILMN_1656501	DUSP5	8.49E-06	0.74
ILMN_1758672	FAM107B	8.49E-06	-0.79
ILMN_1741957	RABEPK	8.49E-06	0.76
ILMN_1679725	PCYOX1	8.55E-06	-0.57
ILMN_1656913	MDH1	8.85E-06	0.74
ILMN_1769299	MTMR11	8.97E-06	-0.46
ILMN_1694596	FAR2	9.15E-06	0.84
ILMN_2333367	FKBP1A	9.22E-06	1.15
ILMN_2171384	CXCL5	9.39E-06	-1.94
ILMN_1705297	MYBPH	9.54E-06	-0.51
ILMN_1670542	AK2	9.65E-06	0.78
ILMN_1772821	KIAA1671	9.81E-06	1.08
ILMN_1912287		9.81E-06	1.40
ILMN_2367239	RCAN1	9.81E-06	1.13
ILMN_1782015	FCRLB	9.81E-06	0.82
ILMN_1663142	CLEC12A	9.81E-06	-0.81
ILMN_1778599	SP140	9.81E-06	-0.47
ILMN_1806023	JUN	9.81E-06	0.81
ILMN_1666444	RBMS1	9.95E-06	0.78
ILMN_2186061	PFKFB3	1.01E-05	-1.00
ILMN_1679826	CST7	1.01E-05	0.74
ILMN_3214389	LOC100133583	1.02E-05	0.96
ILMN_2095653	AFMID	1.02E-05	-0.97
ILMN_1701933	SNCA	1.02E-05	-0.75
ILMN_3307752	DLEU7	1.04E-05	-0.51
ILMN_2291954	SLA	1.05E-05	0.84
ILMN_1791728	SLC25A25	1.05E-05	0.90
ILMN_2364384	PPARG	1.08E-05	0.91
ILMN_1810628	KIAA0367	1.10E-05	-0.87
ILMN_1680618	MYC	1.10E-05	0.74

ILMN_1800317	WNT5A	1.10E-05	0.59
ILMN_1700515	C17orf58	1.11E-05	2.44
ILMN_1728742	C5orf4	1.13E-05	-0.52
ILMN_1721035	MS4A6A	1.13E-05	0.84
ILMN_1757872	DKFZp761P0423	1.14E-05	0.98
ILMN_1781386	WIPI1	1.16E-05	-0.80
ILMN_1778709	PICALM	1.16E-05	0.49
ILMN_1679460	PPFIBP1	1.18E-05	0.54
ILMN_1742332	KCTD12	1.18E-05	-0.93
ILMN_1698732	PALLD	1.20E-05	2.03
ILMN_1775822	PDGFB	1.20E-05	0.61
ILMN_1785252	SLC26A6	1.21E-05	0.96
ILMN_1815190	METTL1	1.26E-05	0.69
ILMN_1759023	WFS1	1.30E-05	1.33
ILMN_2365307	CD276	1.31E-05	0.89
ILMN_1736112	ARHGAP10	1.33E-05	0.57
ILMN_2347949	G6PD	1.35E-05	0.74
ILMN_2389151	UGP2	1.37E-05	0.77
ILMN_1720270	CDR2	1.37E-05	1.01
ILMN_1702636	TUBB6	1.38E-05	0.65
ILMN_2096083	PLEKHA5	1.43E-05	0.49
ILMN_1680501	GTF2IRD2B	1.43E-05	-0.50
ILMN_1719986	PIK3IP1	1.47E-05	-0.63
ILMN_1685009	ITGAM	1.53E-05	0.74
ILMN_1732885	BTBD12	1.53E-05	1.00
ILMN_1706598	ACPL2	1.53E-05	0.45
ILMN_2306955	ACPL2	1.55E-05	0.47
ILMN_1709634	CMBL	1.55E-05	-0.71
ILMN_1679217	FAM110B	1.57E-05	0.62
ILMN_2083946	TGFA	1.57E-05	0.87
ILMN_1765701	LOC399942	1.57E-05	0.74
ILMN_1730201	DTNA	1.57E-05	0.68
ILMN_2112988	NCF1C	1.58E-05	-0.81
ILMN_1800261	TUBA1B	1.61E-05	0.62
ILMN_2215119	SYNJ2	1.68E-05	0.32
ILMN_1782050	CEBPD	1.68E-05	-1.02
ILMN_1746888	PCOLCE2	1.68E-05	-0.76
ILMN_1794803	NDP	1.68E-05	0.74
ILMN_1749070	HLA-DPB1	1.68E-05	0.53
ILMN_2046470	DAAM1	1.69E-05	0.58
ILMN_1664761	TMEM138	1.69E-05	-0.70
ILMN_1776678	GIMAP7	1.78E-05	-0.64
ILMN_1721842	RYBP	1.80E-05	0.68
ILMN_1669888	CSTA	1.80E-05	-0.52
ILMN_1716563	PRKCB1	1.83E-05	-0.34
ILMN_1688152	IL27RA	1.92E-05	0.81

ILMN_3247506	FCGR1C	1.92E-05	-0.77
ILMN_1737514	KYNU	1.98E-05	-0.80
ILMN_2114568	GBP5	2.04E-05	-0.85
ILMN_1688580	CAMP	2.08E-05	-0.84
ILMN_1727315	DENND1A	2.11E-05	0.48
ILMN_1723486	HK2	2.11E-05	-0.77
ILMN_2135272	GIMAP2	2.17E-05	-0.56
ILMN_1842850		2.17E-05	0.49
ILMN_1773006	FABP4	2.35E-05	1.95
ILMN_1687978	PHLDA1	2.36E-05	0.72
ILMN_2159272	PDCD1LG2	2.36E-05	0.95
ILMN_1683969	FKBP1A	2.38E-05	0.93
ILMN_1767320	MAPK1	2.43E-05	0.57
ILMN_1668063	FCN1	2.50E-05	-1.01
ILMN_1656057	PLAU	2.53E-05	0.82
ILMN_1667825	MLKL	2.53E-05	-0.68
ILMN_1712888	HSPH1	2.56E-05	0.89
ILMN_1806908	PRKCB1	2.58E-05	-0.60
ILMN_1700143	FRMD4B	2.66E-05	-0.50
ILMN_1714592	CDA	2.71E-05	-0.55
ILMN_1656378	NMT2	2.72E-05	-0.59
ILMN_1712985	C17orf58	2.72E-05	2.46
ILMN_1814789	UBAP2L	2.72E-05	0.63
ILMN_1695590	ADRB2	2.72E-05	-0.52
ILMN_2235283	MAPK1	2.72E-05	0.66
ILMN_1652198	CCM2	2.72E-05	-0.47
ILMN_1663080	LFNG	2.78E-05	-0.64
ILMN_2284181	UGP2	2.84E-05	0.41
ILMN_2290118	MEGF9	2.85E-05	-0.85
ILMN_1787815	TRIB3	2.85E-05	1.12
ILMN_2229261	SIGLEC16	2.95E-05	-0.58
ILMN_1718766	MT1F	2.97E-05	-0.61
ILMN_1713505	NPC1	2.98E-05	0.83
ILMN_1669376	DRAM1	3.06E-05	-0.64
ILMN_1746517	KYNU	3.06E-05	-0.74
ILMN_1743373	DLL1	3.07E-05	-0.39
ILMN_2283325	GPR177	3.12E-05	-1.00
ILMN_1689086	CTSC	3.12E-05	0.55
ILMN_1689655	HLA-DRA	3.13E-05	0.67
ILMN_1715864	NHS	3.17E-05	-0.39
ILMN_1685170	ANXA11	3.18E-05	0.65
ILMN_1758623	HIST1H2BD	3.23E-05	-0.72
ILMN_1676042	ALOX15	3.31E-05	1.10
ILMN_1764964	IFNGR2	3.31E-05	0.70
ILMN_1730032	BOK	3.32E-05	-0.61
ILMN_1808333	PPP1R7	3.32E-05	0.66

ILMN_1773363	CIITA	3.35E-05	0.69
ILMN_1815168	HVCN1	3.36E-05	-0.77
ILMN_1780861	LOC653506	3.44E-05	0.95
ILMN_1698313	CPM	3.53E-05	-0.42
ILMN_1717934	SYT11	3.58E-05	-0.75
ILMN_2403228	CLEC12A	3.58E-05	-0.57
ILMN_2406501	SOD2	3.59E-05	-0.91
ILMN_1716736	CD80	3.59E-05	0.63
ILMN_2410038	FAM111A	3.59E-05	-0.62
ILMN_1758315	SLC9A9	3.66E-05	-0.58
ILMN_2389155	UGP2	3.66E-05	0.62
ILMN_1757867	MTM	3.66E-05	-0.31
ILMN_2328776	MST4	3.66E-05	0.81
ILMN_1699598	AP2M1	3.66E-05	0.76
ILMN_2358540	RBMS1	3.72E-05	0.77
ILMN_1808566	TMEM180	3.82E-05	-0.52
ILMN_1703074	CPD	3.83E-05	-0.66
ILMN_1657451	SRPK2	3.83E-05	0.70
ILMN_2115490	NBPF20	3.87E-05	-0.96
ILMN_1784602	CDKN1A	3.96E-05	0.93
ILMN_1712112	RCAN1	3.98E-05	1.19
ILMN_1760303	PIK3R1	4.07E-05	0.60
ILMN_2307656	AGTRAP	4.16E-05	-0.57
ILMN_1758939	RIPK2	4.16E-05	0.80
ILMN_1730734	TMEM205	4.21E-05	-0.68
ILMN_1774874	IL1RN	4.23E-05	1.35
ILMN_1713846	PPM1H	4.23E-05	-0.58
ILMN_1778240	GFOD1	4.27E-05	0.66
ILMN_2345898	SLA	4.38E-05	0.81
ILMN_1796245	DNASE2	4.39E-05	-0.80
ILMN_1781983	AP1B1	4.39E-05	0.84
ILMN_1757552	PTRF	4.42E-05	0.87
ILMN_1737308	GLRX	4.46E-05	-0.64
ILMN_1755974	ALDOC	4.46E-05	-0.48
ILMN_3205162	LOC646688	4.47E-05	0.83
ILMN_2148668	RCBTB2	4.47E-05	-0.62
ILMN_1674574	VNN1	4.49E-05	-0.51
ILMN_2342066	METRNL	4.49E-05	0.84
ILMN_2042595	PCM1	4.51E-05	0.62
ILMN_3257030	FTHL16	4.54E-05	-0.63
ILMN_3282174	LOC646688	4.62E-05	0.73
ILMN_1657361	CBX7	4.73E-05	-0.46
ILMN_1726913	RBPJ	4.73E-05	0.32
ILMN_1721316	TNFRSF10A	4.74E-05	0.47
ILMN_1685538	LOC158345	4.76E-05	0.77
ILMN_1804935	VNN3	4.77E-05	-0.53

ILMN_1651496	HIST1H2BD	4.79E-05	-0.64
ILMN_1801303	AMY2A	4.79E-05	-0.43
ILMN_2365465	XBP1	4.82E-05	0.84
ILMN_1768284	P2RY8	4.90E-05	-0.61
ILMN_1763837	ANPEP	4.93E-05	1.10
ILMN_1782389	LAD1	4.97E-05	0.75
ILMN_1662451	FCER2	4.99E-05	1.39
ILMN_1668039	GYPC	4.99E-05	-0.66
ILMN_2341254	STARD13	5.03E-05	-0.51
ILMN_2106725	NCF1B	5.05E-05	-0.41
ILMN_2168217	EBI2	5.14E-05	0.80
ILMN_2292178	CLEC12A	5.21E-05	-0.66
ILMN_1745994	GAS7	5.21E-05	-0.53
ILMN_1690487	PCM1	5.36E-05	0.78
ILMN_1795839	SCCPDH	5.40E-05	-0.67
ILMN_2339202	KTN1	5.53E-05	0.62
ILMN_1747451	PLCXD1	5.53E-05	-0.60
ILMN_1660544	ARRDC4	5.53E-05	0.51
ILMN_2336781	SOD2	5.63E-05	-0.68
ILMN_1723004	CD72	5.69E-05	-0.58
ILMN_1787212	CDKN1A	5.73E-05	0.56
ILMN_2195914	GGH	5.73E-05	-0.48
ILMN_1801610	METRNL	5.76E-05	0.85
ILMN_1665859	RAB27A	5.76E-05	-0.47
ILMN_2183389	TTC9C	5.76E-05	0.61
ILMN_2085441	FOXD4L1	5.80E-05	1.20
ILMN_2319952	VDR	5.80E-05	0.60
ILMN_1716053	AK2	5.83E-05	0.77
ILMN_1811616	EEPD1	5.83E-05	0.50
ILMN_1702787	SEMA4A	5.84E-05	0.94
ILMN_1790881	HNMT	5.88E-05	-0.69
ILMN_1716909	ADAMDEC1	5.89E-05	-0.65
ILMN_1659601	CCL26	5.89E-05	3.02
ILMN_1782938	SLC16A10	5.89E-05	-0.73
ILMN_1742250	CCNH	5.89E-05	0.59
ILMN_1670353	RAD51AP1	5.91E-05	-0.60
ILMN_2398926	C17orf58	6.01E-05	2.37
ILMN_2173524	FOXD4	6.03E-05	0.96
ILMN_1692466	LOC728637	6.05E-05	-0.40
ILMN_1715273	PICALM	6.15E-05	0.71
ILMN_1755364	RALA	6.30E-05	-0.62
ILMN_1795561	CAMK1D	6.30E-05	0.45
ILMN_1729749	HERC5	6.31E-05	-0.74
ILMN_2367753	ATP2B4	6.34E-05	-0.47
ILMN_1683023	PDGFC	6.51E-05	0.55
ILMN_1683313	ST3GAL1	6.51E-05	-0.59

ILMN_1683923	MT1H	6.52E-05	-0.79
ILMN_1781560	ST3GAL6	6.55E-05	-0.53
ILMN_1805902	ELA1	6.59E-05	-0.39
ILMN_1665100	PTGS1	6.59E-05	0.49
ILMN_1698952	TNFRSF11A	6.64E-05	0.44
ILMN_1772667	P2RY1	6.68E-05	0.25
ILMN_1718297	EML4	6.70E-05	0.62
ILMN_1847308		6.70E-05	-0.56
ILMN_1686664	MT2A	6.70E-05	-0.70
ILMN_1714167	CYB5A	6.70E-05	-0.65
ILMN_2200917	SLC4A7	6.71E-05	0.65
ILMN_3280847	LOC651697	6.71E-05	0.72
ILMN_1754538	C10orf58	6.78E-05	-0.74
ILMN_1697309	NCF1	6.81E-05	-0.90
ILMN_2411282	QSOX1	6.83E-05	0.79
ILMN_1730622	EVL	6.86E-05	0.98
ILMN_2312194	CYB5A	6.90E-05	-0.55
ILMN_1654112	PAR6A	6.90E-05	-0.37
ILMN_1707077	SORT1	6.92E-05	0.73
ILMN_2380494	ANXA11	6.99E-05	0.61
ILMN_1751097	CREB3L2	7.16E-05	-0.54
ILMN_2365248	HVCN1	7.17E-05	-0.63
ILMN_1681754	GGH	7.19E-05	-0.59
ILMN_2372915	P2RY2	7.22E-05	-0.51
ILMN_2359800	MS4A6A	7.22E-05	0.81
ILMN_1668345	OAF	7.46E-05	-0.59
ILMN_1734476	KIF2A	7.61E-05	0.54
ILMN_1796537	FYB	7.77E-05	-0.70
ILMN_1785170	ARMCX2	7.77E-05	-0.50
ILMN_1681252	C17orf44	7.89E-05	-0.45
ILMN_1664828	APOBEC3H	7.98E-05	-0.51
ILMN_1756071	MFGE8	7.98E-05	-0.53
ILMN_1716468	LOC152195	8.19E-05	0.39
ILMN_1807540	CBARA1	8.19E-05	-0.52
ILMN_2337263	PKIB	8.25E-05	0.53
ILMN_1808919	HPS4	8.25E-05	-0.40
ILMN_1770610	MERTK	8.38E-05	-0.58
ILMN_1652680	LOC652616	8.38E-05	-0.51
ILMN_1692962	CTDSP2	8.49E-05	-0.53
ILMN_1748473	GIMAP4	8.49E-05	-0.71
ILMN_2329429	GIMAP6	8.53E-05	-0.49
ILMN_1783443	ALOX15	8.55E-05	0.67
ILMN_1668526	GVIN1	8.55E-05	-0.52
ILMN_1801833	ARHGAP24	8.66E-05	-0.42
ILMN_3272741	LOC100130520	8.66E-05	1.24
ILMN_1772964	CCL8	8.74E-05	0.92

ILMN_2115862	ESPNL	8.89E-05	0.28
ILMN_2387505	AP1B1	8.89E-05	0.35
ILMN_1652716	THEX1	8.91E-05	0.64
ILMN_2408796	C19orf28	8.91E-05	0.85
ILMN_1671191	UQCRC1	8.98E-05	0.63
ILMN_1800787	RFTN1	9.09E-05	0.65
ILMN_1698213	RBM3	9.09E-05	0.46
ILMN_2110908	MYC	9.16E-05	0.46
ILMN_2374865	ATF3	9.17E-05	0.68
ILMN_1678627	RUFY4	9.23E-05	0.33
ILMN_1678961	FRMD4A	9.28E-05	0.69
ILMN_1711909	EDEM2	9.28E-05	-0.58
ILMN_1815205	LYZ	9.28E-05	-0.69
ILMN_1689836	C5AR1	9.28E-05	-0.84
ILMN_2340259	PDE4B	9.28E-05	-0.66
ILMN_1690262	SNAI3	9.28E-05	0.51
ILMN_1680314	TXN	9.30E-05	0.63
ILMN_1671478	CKB	9.34E-05	0.71
ILMN_1772218	HLA-DPA1	9.36E-05	0.87
ILMN_2367818	CD40	9.40E-05	0.52
ILMN_1738552	SLC1A3	9.40E-05	-0.60
ILMN_1695829	TTYH2	9.41E-05	0.68
ILMN_2092850	HPSE	9.44E-05	-0.77
ILMN_2052891	PKD2	9.44E-05	0.77
ILMN_1725791	PTPLA	9.45E-05	0.75
ILMN_1742981	TUBA1A	9.51E-05	0.78
ILMN_1769290	TTC39B	9.51E-05	0.69
ILMN_2091846	FTHL2	9.55E-05	-0.65
ILMN_1770454	AGRN	9.58E-05	-0.41
ILMN_1666924	PINK1	9.74E-05	-0.52
ILMN_1780546	OSM	9.80E-05	-0.79
ILMN_2374340	PLAUR	9.96E-05	-0.72
ILMN_2146372	KCTD6	1.00E-04	0.72
ILMN_1740010	PCNX	1.00E-04	-0.65
ILMN_1672662	SLC20A1	1.01E-04	0.68
ILMN_1718565	CDKN1C	1.03E-04	-0.32
ILMN_1693394	BCKDK	1.03E-04	0.54
ILMN_1796490	GRINA	1.03E-04	-0.53
ILMN_1767523	IL17RB	1.03E-04	2.97
ILMN_2170949	SNX10	1.04E-04	-0.69
ILMN_1680139	MAFF	1.06E-04	0.92
ILMN_3234142	LOC728855	1.06E-04	-0.44
ILMN_1726591	CARD16	1.06E-04	-0.48
ILMN_1713829	PTGES	1.06E-04	-0.61
ILMN_1740523	KTN1	1.07E-04	0.40
ILMN_1773906	NCOA4	1.07E-04	-0.65

ILMN_3241378	LOC728448	1.07E-04	-0.31
ILMN_1740418	CYP27B1	1.07E-04	1.25
ILMN_1790537	C16orf75	1.08E-04	0.45
ILMN_1730639	SLC22A15	1.11E-04	-0.42
ILMN_2049536	TRPV2	1.11E-04	0.56
ILMN_1772686	FGD3	1.11E-04	-0.60
ILMN_1768812	FXVD6	1.12E-04	-0.43
ILMN_1733758	MT1B	1.13E-04	-0.40
ILMN_1741165	SLC11A1	1.14E-04	-0.76
ILMN_2358541	RBMS1	1.14E-04	0.56
ILMN_1697559	G6PD	1.14E-04	0.76
ILMN_1808590	GUCY1A3	1.15E-04	0.28
ILMN_1685676	TTC9C	1.15E-04	0.45
ILMN_1668374	ITGB5	1.15E-04	-0.57
ILMN_1696622	SLC38A6	1.16E-04	0.64
ILMN_1764082	MBOAT1	1.17E-04	-0.45
ILMN_1808354	SLC4A7	1.17E-04	0.63
ILMN_2227248	SLAMF9	1.17E-04	-0.53
ILMN_1678353	FARP1	1.18E-04	0.46
ILMN_1713751	ADAM19	1.18E-04	1.58
ILMN_1733811	JUP	1.18E-04	-0.54
ILMN_1742379	IFT122	1.18E-04	-0.56
ILMN_2208413	ARHGAP15	1.19E-04	-0.63
ILMN_1684227	GPR146	1.23E-04	0.33
ILMN_1802808	LOC654103	1.23E-04	-0.39
ILMN_1802100	ADAM28	1.23E-04	-0.44
ILMN_3251423	CHDH	1.23E-04	0.78
ILMN_1703946	ADORA2B	1.23E-04	-0.64
ILMN_2407824	ATP1B1	1.23E-04	0.64
ILMN_1771026	GARS	1.25E-04	0.56
ILMN_2405684	BIRC3	1.25E-04	0.67
ILMN_1676480	LOC654053	1.25E-04	-0.78
ILMN_1741727	QPCT	1.25E-04	0.56
ILMN_1805448	EPB41L2	1.26E-04	0.47
ILMN_2177090	LOC200030	1.28E-04	-0.61
ILMN_1864166		1.28E-04	0.49
ILMN_1657760	SYT17	1.28E-04	0.37
ILMN_1793517	RASAL1	1.29E-04	0.64
ILMN_3299520	PRKCB	1.29E-04	-0.43
ILMN_1783956	ATP8B4	1.30E-04	-0.82
ILMN_3192001	CCL14	1.30E-04	0.36
ILMN_1652409	SPATA7	1.31E-04	-0.53
ILMN_2083243	MNAT1	1.31E-04	0.38
ILMN_1767934	PCSK5	1.33E-04	0.56
ILMN_2403534	ALOX15	1.33E-04	0.69
ILMN_1689160	DPEP2	1.34E-04	-0.51

ILMN_1761531	SGPL1	1.35E-04	0.53
ILMN_1786041	ASB9	1.35E-04	-0.24
ILMN_1813936	DNAH3	1.35E-04	0.23
ILMN_1751941	LOC728772	1.36E-04	0.52
ILMN_1861376		1.38E-04	-0.49
ILMN_1683127	ZNF281	1.40E-04	-0.65
ILMN_1754114	FLJ20021	1.44E-04	-0.42
ILMN_1766054	ABCA1	1.49E-04	-0.62
ILMN_1737298	MAT2A	1.55E-04	0.62
ILMN_2408543	PLAUR	1.56E-04	-0.57
ILMN_1779257	CD40	1.56E-04	0.65
ILMN_2373515	HSP90AA1	1.59E-04	0.51
ILMN_2155719	NBPF10	1.60E-04	-0.91
ILMN_1706677	MAPK1	1.62E-04	0.34
ILMN_2307903	VCAM1	1.63E-04	0.60
ILMN_1772359	LAPTM5	1.64E-04	-0.50
ILMN_1693552	CD300A	1.64E-04	0.52
ILMN_1700610	CLEC7A	1.66E-04	0.49
ILMN_1779147	ENC1	1.68E-04	-0.50
ILMN_1707727	ANGPTL4	1.70E-04	1.89
ILMN_1758311	NET1	1.71E-04	0.71
ILMN_1672605	C7orf41	1.74E-04	-0.33
ILMN_1668743	LOC728069	1.74E-04	-0.54
ILMN_1798706	EBI2	1.75E-04	0.78
ILMN_2400922	OPRL1	1.77E-04	-0.62
ILMN_2408576	FAM129B	1.77E-04	0.67
ILMN_2311166	ITGB5	1.77E-04	-0.61
ILMN_1736567	CD74	1.79E-04	0.60
ILMN_3234615	LOC728650	1.79E-04	-0.53
ILMN_1750674	SDSL	1.80E-04	-0.65
ILMN_2415529	CDK5RAP2	1.80E-04	-0.40
ILMN_2081883	IQCK	1.80E-04	-0.41
ILMN_1711786	NFE2	1.81E-04	0.88
ILMN_1794072	B3GAT1	1.82E-04	-0.29
ILMN_1734740	GPR65	1.83E-04	-0.55
ILMN_1740493	TRAF5	1.83E-04	0.74
ILMN_1660847	PFKFB3	1.83E-04	-0.58
ILMN_1778845	FAM111A	1.85E-04	-0.39
ILMN_1723020	MAP3K1	1.85E-04	-0.47
ILMN_1799106	MOSC1	1.87E-04	-0.51
ILMN_1801766	CCDC109B	1.88E-04	-0.54
ILMN_1659953	42250	1.88E-04	0.49
ILMN_1801307	TNFSF10	1.89E-04	-0.69
ILMN_1667371	SLA	1.90E-04	0.82
ILMN_1700967	C3orf59	1.91E-04	-0.46
ILMN_1791396	DGCR6	1.94E-04	-0.50

ILMN_1777233	E2F2	1.95E-04	-0.36
ILMN_1712095	FOXO4	1.95E-04	-0.52
ILMN_3241091	LOC100130886	1.96E-04	-0.60
ILMN_1802458	AGTRAP	1.96E-04	-0.51
ILMN_1800942	KCTD6	1.98E-04	0.64
ILMN_1725241	GSTK1	1.98E-04	0.59
ILMN_1772302	MTHFS	2.00E-04	-0.61
ILMN_1763386	BID	2.01E-04	0.55
ILMN_1752562	CXCL5	2.01E-04	-1.28
ILMN_1790014	METRNL	2.02E-04	0.74
ILMN_2215640	TUBA3D	2.03E-04	0.47
ILMN_1747744	LHFPL2	2.04E-04	-0.73
ILMN_1861091		2.05E-04	0.23
ILMN_1740875	FPR2	2.07E-04	-0.66
ILMN_1699496	PHF21A	2.09E-04	-0.65
ILMN_2395856	TMEM218	2.13E-04	-0.50
ILMN_1728684	PELP1	2.14E-04	0.54
ILMN_1779547	HPSE	2.14E-04	-0.96
ILMN_1798006	ANKRD35	2.14E-04	-0.45
ILMN_1800733	MANBA	2.16E-04	-0.53
ILMN_2230892	IL10RB	2.17E-04	-0.49
ILMN_1779015	ZNF467	2.17E-04	-0.71
ILMN_1797731	MS4A6A	2.18E-04	0.66
ILMN_1784238	SEC22B	2.18E-04	-0.62
ILMN_1714602	CD86	2.18E-04	0.80
ILMN_2326512	CASP1	2.18E-04	-0.46
ILMN_2319000	MATK	2.18E-04	0.73
ILMN_1719627	SLC27A3	2.19E-04	0.55
ILMN_1735461	DDX21	2.19E-04	0.56
ILMN_1738523	MYD88	2.19E-04	-0.56
ILMN_1718961	BNIP3L	2.20E-04	-0.46
ILMN_1689518	PECAM1	2.27E-04	-0.57
ILMN_1680902	LOC284998	2.28E-04	0.27
ILMN_1769383	GIMAP5	2.28E-04	-0.56
ILMN_1758673	SLC44A1	2.28E-04	-0.59
ILMN_1682332	GYPC	2.29E-04	-0.59
ILMN_2324375	CHCHD7	2.32E-04	0.39
ILMN_1764380	GLTP	2.32E-04	-0.61
ILMN_2323944	FAM110A	2.36E-04	-0.46
ILMN_2157075	LRCH4	2.36E-04	-0.50
ILMN_2092441	LRP12	2.36E-04	0.22
ILMN_1742167	TUBA1C	2.36E-04	0.60
ILMN_1664644	ATG16L2	2.41E-04	-0.38
ILMN_3249667	LOC100133678	2.43E-04	0.97
ILMN_1800951	ATXN1	2.47E-04	0.46
ILMN_1807300	PKD2	2.47E-04	0.39

ILMN_3307659	SFT2D2	2.49E-04	0.46
ILMN_1680109	COL4A3BP	2.49E-04	-0.51
ILMN_1712687	PAK2	2.49E-04	0.50
ILMN_2080611	PDSS1	2.53E-04	0.41
ILMN_2372413	BID	2.56E-04	0.56
ILMN_1657837	ZC3H8	2.59E-04	0.50
ILMN_1662340	ZNF358	2.65E-04	-0.44
ILMN_1722738	ROGDI	2.65E-04	0.38
ILMN_1788160	KIF5B	2.65E-04	0.43
ILMN_1754076	CACNA2D3	2.65E-04	-1.57
ILMN_1765557	OLFML2B	2.65E-04	-0.52
ILMN_2072101	C4orf49	2.65E-04	-0.18
ILMN_1667748	ANKRD33	2.66E-04	-0.53
ILMN_1683682	DAGLA	2.68E-04	0.45
ILMN_1811624	THADA	2.72E-04	-0.43
ILMN_1730628	RNASE2	2.73E-04	-1.04
ILMN_2391900	SLC26A6	2.75E-04	0.42
ILMN_1771385	GBP4	2.75E-04	-0.57
ILMN_1768035	MMP12	2.77E-04	0.44
ILMN_1719695	NFKBIZ	2.78E-04	-0.44
ILMN_1716272	KBTBD8	2.80E-04	0.37
ILMN_3235514	GPR183	2.80E-04	0.49
ILMN_1696317	CACNA2D4	2.80E-04	-0.39
ILMN_1813374	C19orf28	2.80E-04	0.98
ILMN_2265995	NBPF3	2.81E-04	-0.43
ILMN_2325347	B3GALNT1	2.82E-04	0.61
ILMN_1810725	FAM129A	2.82E-04	0.52
ILMN_1767900	LGI2	2.82E-04	-0.19
ILMN_1766165	SNCA	2.83E-04	-0.44
ILMN_3275771	LOC642567	2.83E-04	-0.76
ILMN_1758895	CTSK	2.83E-04	-0.58
ILMN_3237270	LOC100133609	2.84E-04	0.44
ILMN_2134538	FTHL11	2.86E-04	-0.54
ILMN_1760201	DNMT1	2.86E-04	0.67
ILMN_1769013	ASGR1	2.86E-04	-0.54
ILMN_1757406	HIST1H1C	2.87E-04	-0.52
ILMN_2211003	GAS2L3	2.88E-04	0.52
ILMN_2199768	SLITRK4	2.88E-04	-0.50
ILMN_2120273	AP1S2	2.88E-04	-0.57
ILMN_1778177	ZNF207	2.93E-04	0.49
ILMN_1689088	COLEC12	2.93E-04	-0.95
ILMN_1715024	LSS	2.93E-04	-0.43
ILMN_1655930	ELL2	2.94E-04	-0.73
ILMN_1727689	TNFAIP2	2.94E-04	-0.35
ILMN_2073202	MEI1	2.94E-04	-0.39
ILMN_2157441	HLA-DRA	2.94E-04	0.69

ILMN_1752510	FAM13A	2.94E-04	-0.63
ILMN_1811702	GRN	2.95E-04	-0.44
ILMN_2195821	C5orf41	2.95E-04	-0.50
ILMN_2326509	CASP1	2.97E-04	-0.49
ILMN_1872568		3.01E-04	0.28
ILMN_2089977	FKBP9L	3.01E-04	-0.41
ILMN_1713182	LOC653879	3.08E-04	-0.33
ILMN_2148847	AKIRIN2	3.10E-04	0.54
ILMN_3254984	LOC100129759	3.10E-04	0.36
ILMN_1718063	LIPA	3.10E-04	0.66
ILMN_1717809	RNF24	3.21E-04	0.45
ILMN_1788180	RAB13	3.22E-04	-0.57
ILMN_1764577	MFNG	3.24E-04	0.74
ILMN_1656145	GOT1	3.24E-04	0.46
ILMN_3235221	LOC644936	3.24E-04	0.62
ILMN_1720083	EHD4	3.25E-04	0.58
ILMN_3246538	LOC100133866	3.26E-04	-0.68
ILMN_2410262	MTMR14	3.29E-04	0.44
ILMN_1803256	STOX2	3.29E-04	-0.45
ILMN_1763609	SLC22A16	3.33E-04	0.60
ILMN_3246560	EMB	3.33E-04	0.23
ILMN_1701613	RARRES3	3.37E-04	-0.63
ILMN_1672834	SSH2	3.37E-04	-0.40
ILMN_1784661	TMEM2	3.41E-04	-0.64
ILMN_1708537	RBPJ	3.43E-04	0.54
ILMN_1742544	MEF2C	3.43E-04	-0.47
ILMN_1655702	ABHD5	3.47E-04	-0.52
ILMN_3266606	FABP5L2	3.47E-04	0.56
ILMN_1657977	MSRB2	3.48E-04	-0.53
ILMN_1662640	C20orf127	3.48E-04	-0.70
ILMN_1712950	PFN1	3.50E-04	0.56
ILMN_1786429	P2RY5	3.54E-04	-0.61
ILMN_1692742	DENND3	3.55E-04	-0.27
ILMN_2373285	MSR1	3.55E-04	-0.50
ILMN_2309180	SMARCD3	3.57E-04	-0.41
ILMN_1748591	ODC1	3.57E-04	0.43
ILMN_3244286	TANC2	3.58E-04	-0.31
ILMN_1764769	VWA5A	3.58E-04	-0.42
ILMN_2316386	GPBAR1	3.60E-04	-0.55
ILMN_1772876	ZNF395	3.60E-04	-0.44
ILMN_1779252	TRIM22	3.60E-04	-0.61
ILMN_1667260	MAPK3	3.61E-04	-0.50
ILMN_2149494	NPL	3.62E-04	-0.59
ILMN_2350183	ST5	3.63E-04	-0.21
ILMN_2201966	N4BP1	3.66E-04	0.38
ILMN_1787265	ZNF503	3.71E-04	-0.51

ILMN_1812973	RRP1B	3.77E-04	0.32
ILMN_1717163	F13A1	3.83E-04	2.00
ILMN_2387952	FAM134B	4.07E-04	-0.50
ILMN_1669046	FOXQ1	4.08E-04	1.64
ILMN_1700695	SLC44A1	4.08E-04	-0.57
ILMN_1810199	ASRGL1	4.08E-04	-0.33
ILMN_1815086	NINJ1	4.09E-04	-0.43
ILMN_1804822	SRXN1	4.10E-04	0.57
ILMN_3272603	FAM60A	4.10E-04	0.44
ILMN_3236239	LOC100129550	4.11E-04	-0.61
ILMN_1803906	ETV2	4.13E-04	-0.29
ILMN_3200362	LOC727908	4.17E-04	-0.56
ILMN_1680856	MAMLD1	4.18E-04	-0.38
ILMN_1738010	CTNS	4.18E-04	0.74
ILMN_2199439	CA2	4.18E-04	0.98
ILMN_1730454	FOLR3	4.18E-04	-0.68
ILMN_1767448	LHFP	4.18E-04	0.84
ILMN_2153332	ATXN1	4.22E-04	0.58
ILMN_1766411	AP1S2	4.25E-04	-0.61
ILMN_1662799	GPSM3	4.27E-04	-0.42
ILMN_1781536	FAH	4.29E-04	-0.63
ILMN_1802096	ABTB1	4.29E-04	-0.60
ILMN_3230608	NBPF8	4.30E-04	-0.68
ILMN_1653498	IGSF6	4.30E-04	0.64
ILMN_2215631	OTUD6B	4.32E-04	0.40
ILMN_1687757	AKR1C4	4.33E-04	-0.36
ILMN_1769876	TBC1D2	4.33E-04	-0.47
ILMN_2402341	MAPK3	4.33E-04	-0.33
ILMN_1704873	TCEB1	4.34E-04	0.56
ILMN_1746368	SELT	4.35E-04	0.45
ILMN_2330966	PTK2B	4.38E-04	-0.37
ILMN_2117623	PLXNC1	4.41E-04	-0.33
ILMN_1739751	SLC26A11	4.41E-04	0.66
ILMN_2054297	PTGS2	4.42E-04	-0.68
ILMN_1805377	ZP3	4.42E-04	-0.50
ILMN_1770290	CNN2	4.42E-04	0.56
ILMN_1695354	BMF	4.43E-04	-0.32
ILMN_1797021	TMEM86A	4.48E-04	-0.36
ILMN_2148819	TUBA1A	4.50E-04	0.59
ILMN_2316278	MAGED4B	4.51E-04	-0.36
ILMN_3247848	NCRNA00085	4.55E-04	-0.37
ILMN_2232121	GPR65	4.68E-04	-0.50
ILMN_3243351	LOC646214	4.72E-04	0.40
ILMN_1675542	LOC729148	4.72E-04	-0.42
ILMN_2087646	HLX	4.72E-04	0.49
ILMN_1781174	KIAA1009	4.73E-04	-0.32

ILMN_2073758	MMP12	4.74E-04	0.58
ILMN_2099277	HTRA4	4.79E-04	-0.50
ILMN_1677827	TLR7	4.86E-04	-0.86
ILMN_1906423		4.86E-04	1.18
ILMN_1720889	SC4MOL	4.86E-04	-0.48
ILMN_1751851	CECR1	4.89E-04	-0.51
ILMN_2103107	ADAMDEC1	4.91E-04	-0.50
ILMN_1733324	ITGB3	4.91E-04	0.28
ILMN_1743032	CTSS	4.95E-04	-0.51
ILMN_3247723	NOP16	4.96E-04	0.30
ILMN_1809433	XBP1	4.96E-04	0.80
ILMN_1838313		4.96E-04	0.72
ILMN_1733937	MMD	4.96E-04	0.78
ILMN_3251436	DENND4C	4.97E-04	0.44
ILMN_1709820	AOAH	5.01E-04	-0.54
ILMN_1729915	PILRA	5.03E-04	-0.49
ILMN_1701461	TIMP3	5.03E-04	0.39
ILMN_1692546	VNN2	5.05E-04	-0.25
ILMN_1744937	PTPRM	5.05E-04	-0.39
ILMN_1775170	MT1X	5.05E-04	-0.65
ILMN_1672124	C4orf18	5.07E-04	-0.45
ILMN_1658337	AKIRIN1	5.07E-04	0.56
ILMN_1654630	FAM193B	5.07E-04	-0.32
ILMN_1802799	AKIRIN1	5.07E-04	0.54
ILMN_3250257	ACVRL1	5.08E-04	-0.48
ILMN_1793950	P704P	5.09E-04	0.38
ILMN_1758400	GRIN3A	5.12E-04	-0.33
ILMN_1727709	GPBAR1	5.12E-04	-0.53
ILMN_1910948		5.13E-04	0.40
ILMN_1766169	BCAT1	5.15E-04	-0.57
ILMN_2157099	CCNA1	5.15E-04	0.63
ILMN_1653529	TEX10	5.18E-04	0.38
ILMN_1701911	C5orf20	5.19E-04	0.46
ILMN_3210946	LOC645969	5.19E-04	0.51
ILMN_2082324	SLC36A4	5.19E-04	-0.36
ILMN_1657862	AHCY	5.19E-04	0.95
ILMN_2146761	FABP5	5.19E-04	0.52
ILMN_1751464	TNFSF9	5.23E-04	-0.40
ILMN_2049184	DNASE1L3	5.24E-04	0.88
ILMN_1821176		5.27E-04	-0.49
ILMN_1724250	GRN	5.29E-04	-0.49
ILMN_1654289	ELK1	5.29E-04	0.44
ILMN_2405305	ARNTL	5.33E-04	0.42
ILMN_1787718	SLC27A1	5.33E-04	-0.60
ILMN_1768031	DEDD2	5.33E-04	-0.54
ILMN_1693452	GAL3ST4	5.33E-04	-1.07

ILMN_1781867	FOXD4L1	5.33E-04	0.94
ILMN_1660549	GPR177	5.33E-04	-0.51
ILMN_1739428	IFIT2	5.33E-04	-0.52
ILMN_2334296	IL18BP	5.33E-04	0.66
ILMN_1755303	ZNF217	5.33E-04	0.40
ILMN_1789702	GBE1	5.34E-04	-0.42
ILMN_1716105	NLRP12	5.38E-04	-0.41
ILMN_3236904	LOC648740	5.43E-04	0.27
ILMN_1724066	PLCB2	5.44E-04	0.55
ILMN_3187680	ACCS	5.45E-04	-0.42
ILMN_1752592	HLA-DRB4	5.52E-04	0.72
ILMN_1669703	TNK2	5.53E-04	-0.45
ILMN_1666364	COQ10A	5.55E-04	-0.39
ILMN_2214678	MXD1	5.55E-04	-0.60
ILMN_1705247	ACSL5	5.55E-04	0.41
ILMN_2258004	METRNL	5.58E-04	0.46
ILMN_1720373	SLC7A5	5.58E-04	0.89
ILMN_1910120	LOC730092	5.58E-04	0.40
ILMN_1808661	TOMM5	5.58E-04	0.49
ILMN_1665331	AMT	5.58E-04	-0.48
ILMN_1729374	ETFB	5.59E-04	0.42
ILMN_1694810	PANX2	5.63E-04	0.56
ILMN_1827736		5.65E-04	-0.44
ILMN_1812759	GCH1	5.65E-04	-0.40
ILMN_1673676	SNX5	5.68E-04	0.50
ILMN_1746137	ST7	5.72E-04	0.55
ILMN_2192316	TOP1	5.87E-04	0.32
ILMN_1683146	FTH1	5.87E-04	-0.59
ILMN_1665736	LOC648024	5.90E-04	0.60
ILMN_2379788	HIF1A	5.90E-04	-0.54
ILMN_1759175	DUSP10	5.93E-04	-0.27
ILMN_1860638		5.97E-04	-0.47
ILMN_1804735	CBS	5.99E-04	0.59
ILMN_1803609	XKR3	6.00E-04	0.29
ILMN_1751161	COL7A1	6.01E-04	0.41
ILMN_1793410	SNTB1	6.13E-04	-0.68
ILMN_1713143	MRPL3	6.19E-04	0.45
ILMN_1680579	ATP2B4	6.19E-04	-0.43
ILMN_1781416	FRAT1	6.19E-04	-0.21
ILMN_1811367	MAT2B	6.19E-04	0.44
ILMN_1807423	IGF2BP3	6.19E-04	-0.36
ILMN_1775703	TRAPPC6A	6.26E-04	-0.39
ILMN_1781388	PGM5	6.30E-04	-0.45
ILMN_1704961	ACTG1	6.34E-04	0.66
ILMN_1671557	PHLDA2	6.53E-04	0.22
ILMN_2338116	TRAF5	6.57E-04	0.35

ILMN_2156172	HK2	6.58E-04	-0.43
ILMN_1671337	SLC2A5	6.67E-04	-0.73
ILMN_2388177	SPATA7	6.72E-04	-0.28
ILMN_2246882	SP140	6.81E-04	-0.35
ILMN_1772703	OTUD6B	6.81E-04	0.27
ILMN_1692123	ELOVL3	6.81E-04	-0.19
ILMN_2214997	LRRFIP1	6.81E-04	0.55
ILMN_1705663	DMXL2	6.82E-04	-0.43
ILMN_2150196	LRRC25	6.87E-04	-0.39
ILMN_1749006	RCSD1	6.87E-04	-0.44
ILMN_1723520	CD1A	6.87E-04	0.28
ILMN_1681644	BIRC3	6.91E-04	0.26
ILMN_1743130	PTGFRN	6.91E-04	0.50
ILMN_2323992	CLEC7A	6.94E-04	0.48
ILMN_1693233	KIAA0513	6.95E-04	-0.42
ILMN_1671260	GPR177	7.11E-04	-0.63
ILMN_2404154	SERPINA1	7.12E-04	-0.45
ILMN_2401253	FAM13A	7.15E-04	-0.29
ILMN_2174574	HNRNPA3P1	7.15E-04	-0.34
ILMN_3244014	LOC100131967	7.16E-04	-0.41
ILMN_1805662	FBXW5	7.16E-04	-0.44
ILMN_1722981	TLR5	7.16E-04	-0.48
ILMN_1681067	PIK3R5	7.16E-04	0.21
ILMN_1768814	KLHL6	7.20E-04	-0.41
ILMN_1807277	IFI30	7.20E-04	-0.39
ILMN_2094061	IMPA2	7.24E-04	-0.39
ILMN_3219455	LOC644745	7.25E-04	0.54
ILMN_1774836	PLOD3	7.28E-04	0.44
ILMN_1810191	PLA2G4C	7.30E-04	-0.49
ILMN_1669599	DENND4C	7.32E-04	0.49
ILMN_1740505	SGMS1	7.32E-04	-0.30
ILMN_1776121	MGC42367	7.40E-04	-0.28
ILMN_1838310		7.40E-04	0.29
ILMN_1719696	PLD1	7.46E-04	-0.51
ILMN_1744795	TBL1X	7.46E-04	-0.44
ILMN_2234697	BEX1	7.46E-04	-0.81
ILMN_2170814	LAMP3	7.46E-04	0.85
ILMN_1654370	TESK2	7.51E-04	-0.23
ILMN_1787251	DAAM1	7.51E-04	0.58
ILMN_1692219	RAB11FIP1	7.55E-04	-0.52
ILMN_1654518	LRCH4	7.55E-04	-0.49
ILMN_1668822	BATF	7.61E-04	0.38
ILMN_1787529	C3AR1	7.63E-04	-0.47
ILMN_2061732	YRDC	7.67E-04	0.43
ILMN_1776188	MAP1LC3A	7.68E-04	-0.47
ILMN_1715969	SLC25A37	7.68E-04	-0.28

ILMN_1707763	ST7	7.78E-04	0.47
ILMN_3249501	ZNF697	7.90E-04	0.34
ILMN_1748915	S100A12	8.01E-04	-0.33
ILMN_1726245	TGFBR2	8.05E-04	-0.45
ILMN_2357438	AURKA	8.12E-04	0.40
ILMN_3206343	LOC644914	8.12E-04	-0.56
ILMN_3243366	C2orf55	8.12E-04	-0.27
ILMN_1723874	MRPS6	8.16E-04	0.44
ILMN_1707124	TFPI	8.20E-04	-0.64
ILMN_3251341	TUBA1C	8.26E-04	0.45
ILMN_1723846	FAM119B	8.26E-04	0.62
ILMN_2405521	MTHFD2	8.30E-04	0.60
ILMN_1677305	PVR	8.42E-04	0.41
ILMN_3272500	IFI27L1	8.48E-04	-0.42
ILMN_1694268	HES6	8.51E-04	0.71
ILMN_1760247	CD70	8.52E-04	-0.34
ILMN_1702175	ST7	8.55E-04	0.43
ILMN_2185884	DHRS4	8.58E-04	-0.60
ILMN_1714278	C9orf30	8.63E-04	0.43
ILMN_1726327	AMY1B	8.70E-04	0.35
ILMN_1738095	PER2	8.71E-04	0.40
ILMN_1702487	SGK	8.75E-04	-0.41
ILMN_2373763	CASP7	8.81E-04	0.51
ILMN_1799744	GALC	8.81E-04	-0.58
ILMN_1694400	MSR1	8.82E-04	-0.48
ILMN_3290497	LOC643863	8.88E-04	-0.53
ILMN_2396020	DUSP6	8.90E-04	-0.52
ILMN_1770161	BST1	8.91E-04	-0.39
ILMN_2375992	SPINT1	8.96E-04	0.44
ILMN_1703324	PDSS1	8.97E-04	0.36
ILMN_3232894	CNRIP1	8.97E-04	-0.46
ILMN_1797974	AIG1	8.97E-04	0.43
ILMN_1674038	CTSD	9.05E-04	-0.51
ILMN_1755873	EMR3	9.18E-04	-0.39
ILMN_1756849	HIST1H2AE	9.23E-04	-0.16
ILMN_1715131	CCR7	9.23E-04	0.52
ILMN_1654385	ASB13	9.23E-04	-0.32
ILMN_1715214	PTPN7	9.23E-04	0.44
ILMN_1691508	PLAUR	9.24E-04	-0.46
ILMN_1791726	TUBB3	9.25E-04	0.47
ILMN_1703891	TBC1D9	9.26E-04	-0.48
ILMN_1796755	ITGB5	9.26E-04	-0.38
ILMN_2373831	BTN3A3	9.27E-04	-0.43
ILMN_2043816	ARPC5L	9.32E-04	0.46
ILMN_1699644	42066	9.40E-04	0.44
ILMN_2408987	SMARCD3	9.44E-04	-0.16

ILMN_1729019	42254	9.44E-04	0.36
ILMN_1737184	CDCA7	9.46E-04	0.20
ILMN_1777296	ACTB	9.46E-04	0.56
ILMN_2144088	FDFT1	9.46E-04	-0.42
ILMN_1771664	CLEC4E	9.48E-04	-0.42
ILMN_2053281	C14orf149	9.49E-04	0.34
ILMN_1740772	APBB3	9.50E-04	-0.42
ILMN_1915188		9.53E-04	0.36
ILMN_1658926	NOTCH3	9.55E-04	-0.42
ILMN_1756541	MXD4	9.58E-04	-0.52
ILMN_1782560	CD86	9.58E-04	0.68
ILMN_1674183	MT1JP	9.62E-04	-0.41
ILMN_2392569	FPR2	9.62E-04	-0.42
ILMN_1784651	NAGA	9.62E-04	0.28
ILMN_1724181	IL15	9.63E-04	-0.38
ILMN_2113535	PCYOX1	9.67E-04	-0.34
ILMN_2043109	TOP1P2	9.72E-04	0.41
ILMN_1786357	CENTD2	9.73E-04	-0.35
ILMN_1714397	CRYL1	9.73E-04	-0.31
ILMN_1659206	RARA	1.00E-03	0.43
ILMN_1669523	FOS	1.01E-03	-0.52
ILMN_1700660	RNF135	1.01E-03	-0.41
ILMN_1752520	SLFN11	1.01E-03	-0.50
ILMN_2230035	BBS2	1.01E-03	-0.38
ILMN_2370872	GRINA	1.02E-03	-0.43
ILMN_2340052	NCOR2	1.02E-03	0.73
ILMN_1733680	AZI2	1.02E-03	-0.51
ILMN_1663390	CDC20	1.02E-03	0.17
ILMN_1726809	BHLHB3	1.02E-03	-0.43
ILMN_1667966	C1orf24	1.03E-03	0.62
ILMN_1728581	C3orf18	1.04E-03	0.20
ILMN_1665357	EPS15	1.04E-03	0.34
ILMN_1663685	DGCR6	1.04E-03	-0.49
ILMN_1801584	CXCR4	1.04E-03	0.49
ILMN_1803779	AP2A2	1.05E-03	0.41
ILMN_2335718	HNRNPAB	1.06E-03	0.39
ILMN_1655796	42066	1.06E-03	0.40
ILMN_1735432	ISCU	1.06E-03	-0.37
ILMN_1747344	IL3RA	1.07E-03	1.21
ILMN_2401779	FAM102A	1.07E-03	0.34
ILMN_3236367	IFFO2	1.08E-03	0.18
ILMN_1748751	NLF2	1.08E-03	0.28
ILMN_1768505	IL13RA1	1.09E-03	-0.53
ILMN_2380237	C1QTNF1	1.09E-03	0.56
ILMN_1725675	ABCC6	1.09E-03	-0.19
ILMN_3260111	LOC100129269	1.10E-03	0.70

ILMN_1662795	CA2	1.10E-03	0.99
ILMN_1780132	PELI2	1.10E-03	-0.42
ILMN_1682404	SETMAR	1.10E-03	0.35
ILMN_1811909	LOC402221	1.10E-03	0.59
ILMN_2379967	FCAR	1.11E-03	-0.38
ILMN_1698404	ERN1	1.11E-03	-0.38
ILMN_1682799	STAMBPL1	1.11E-03	0.54
ILMN_1738921	ACAA1	1.11E-03	-0.42
ILMN_1814998	FKSG30	1.12E-03	0.57
ILMN_1801205	GPNMB	1.12E-03	-0.43
ILMN_2400644	SRGAP3	1.12E-03	-0.18
ILMN_3250273	TMOD2	1.13E-03	-0.19
ILMN_2363065	RTN3	1.13E-03	-0.41
ILMN_1769615	FLRT2	1.14E-03	-0.51
ILMN_1763228	MEF2D	1.15E-03	-0.48
ILMN_1766637	GLA	1.16E-03	-0.42
ILMN_1714433	MARCKSL1	1.16E-03	0.96
ILMN_2339705	MED8	1.17E-03	0.35
ILMN_1667711	HRASLS3	1.18E-03	-0.50
ILMN_1654389	LOC728744	1.18E-03	-0.28
ILMN_1913060		1.18E-03	-0.45
ILMN_2241953	PILRA	1.18E-03	-0.52
ILMN_2106449	PLEKHF2	1.18E-03	0.30
ILMN_2338997	PTP4A2	1.19E-03	-0.36
ILMN_1712431	FAM113B	1.19E-03	-0.50
ILMN_1666976	PLD3	1.20E-03	-0.37
ILMN_2364062	THOC4	1.21E-03	0.28
ILMN_1782070	NPL	1.21E-03	-0.49
ILMN_1701441	LPAR1	1.22E-03	-0.46
ILMN_1699631	GATS	1.23E-03	-0.23
ILMN_2365091	FCAR	1.24E-03	-0.45
ILMN_2367215	PRCP	1.25E-03	-0.42
ILMN_2115011	FGD2	1.26E-03	0.35
ILMN_2399769	GPR177	1.26E-03	-0.50
ILMN_2225537	PTGR1	1.26E-03	-0.51
ILMN_1746819	C5	1.26E-03	-0.35
ILMN_1696485	HNRNPAB	1.26E-03	0.35
ILMN_2062620	NMT2	1.27E-03	-0.16
ILMN_1750003	CD200R1	1.27E-03	0.95
ILMN_1756920	ADAM15	1.27E-03	0.48
ILMN_1709590	PGM5	1.28E-03	-0.39
ILMN_1746578	SLC23A2	1.28E-03	-0.47
ILMN_3304022	LOC729102	1.28E-03	0.51
ILMN_2338452	SERPINA1	1.29E-03	-0.49
ILMN_1671489	PC	1.29E-03	-0.43
ILMN_1692168	UBE2Z	1.29E-03	0.39

ILMN_1658885	DAGLB	1.29E-03	-0.51
ILMN_2106167	RAP1GDS1	1.29E-03	0.30
ILMN_2383611	PTPRE	1.29E-03	0.61
ILMN_1670305	SERPING1	1.29E-03	-0.44
ILMN_1727466	KCNMB4	1.30E-03	-0.34
ILMN_1695851	PARVG	1.30E-03	-0.45
ILMN_2392274	CD82	1.31E-03	-0.54
ILMN_3239060	KRBA1	1.31E-03	-0.38
ILMN_1655645	AK2	1.31E-03	0.42
ILMN_1680738	C5orf13	1.31E-03	-0.33
ILMN_1732296	ID3	1.31E-03	-0.77
ILMN_2173835	FTHL3	1.32E-03	-0.46
ILMN_1800461	CSNK2B	1.33E-03	0.49
ILMN_1783598	CAB39L	1.33E-03	-0.42
ILMN_1743299	PXMP3	1.33E-03	-0.37
ILMN_2137789	KLF4	1.33E-03	0.53
ILMN_1698218	TRAF1	1.33E-03	0.99
ILMN_1770505	BIK	1.34E-03	0.15
ILMN_1713450	MYL6B	1.34E-03	-0.40
ILMN_1747020	SGK3	1.34E-03	-0.37
ILMN_1707434	LOC653778	1.34E-03	-0.35
ILMN_1651262	HNRNPAB	1.35E-03	0.43
ILMN_1744381	SERPINE1	1.36E-03	0.50
ILMN_1803423	ARHGEF6	1.38E-03	-0.42
ILMN_1707748	PIM3	1.38E-03	0.51
ILMN_1762529	SLC12A8	1.38E-03	-0.31
ILMN_1808405	HLA-DQA1	1.39E-03	0.92
ILMN_1702609	B3GNT5	1.40E-03	0.19
ILMN_1798957	C12orf47	1.40E-03	-0.42
ILMN_1657234	CCL20	1.40E-03	-0.24
ILMN_1711608	SSBP2	1.40E-03	0.41
ILMN_1673991	ATIC	1.41E-03	0.46
ILMN_1656837	RBP1	1.42E-03	-0.42
ILMN_1805800	RAB5A	1.42E-03	0.43
ILMN_2297864	MTMR14	1.43E-03	0.30
ILMN_2156936	SCCPDH	1.43E-03	-0.26
ILMN_2307598	SLC37A3	1.43E-03	0.36
ILMN_1701413	PIGQ	1.43E-03	-0.34
ILMN_1853167		1.43E-03	-0.35
ILMN_1774596	BSCL2	1.44E-03	-0.44
ILMN_3245688	DGCR6L	1.44E-03	-0.40
ILMN_1753342	SAT1	1.44E-03	-0.41
ILMN_1755138	NEK8	1.44E-03	-0.28
ILMN_1757287	MAPK6	1.45E-03	0.38
ILMN_2342638	ASGR2	1.45E-03	0.34
ILMN_1716276	CCL4L2	1.47E-03	1.66

ILMN_1661537	LEPROT	1.47E-03	-0.45
ILMN_1815895	LOC649143	1.47E-03	0.69
ILMN_1687508	ALDH7A1	1.47E-03	-0.37
ILMN_1735014	KLF6	1.48E-03	0.42
ILMN_2038776	TXN	1.48E-03	0.46
ILMN_1729237	CYB5R1	1.50E-03	-0.39
ILMN_1727348	NMD3	1.51E-03	0.52
ILMN_2379718	RAB24	1.51E-03	-0.35
ILMN_1811592	ARHGAP21	1.51E-03	-0.45
ILMN_2045419	BNIP3L	1.51E-03	-0.35
ILMN_1668312	SLC2A9	1.51E-03	-0.40
ILMN_2189993	MRPS35	1.52E-03	0.38
ILMN_2056479	TXNL2	1.52E-03	0.49
ILMN_3232156	C7orf58	1.54E-03	-0.15
ILMN_3231621	LOC730235	1.54E-03	-0.29
ILMN_2165867	DHCR7	1.54E-03	-0.31
ILMN_2308338	BMF	1.54E-03	-0.28
ILMN_1748538	ALDH1A2	1.54E-03	2.14
ILMN_1658706	ST6GALNAC2	1.56E-03	-0.35
ILMN_1651819	GALNT11	1.56E-03	-0.34
ILMN_1727309	FAM82A2	1.56E-03	-0.41
ILMN_1742962	CLEC6A	1.57E-03	-0.21
ILMN_1796409	C1QB	1.58E-03	0.50
ILMN_1773125	ENTPD1	1.58E-03	-0.39
ILMN_1699226	UBR4	1.59E-03	0.46
ILMN_1705066	BTBD11	1.59E-03	-0.25
ILMN_1767068	SMAD6	1.61E-03	0.40
ILMN_3202568	LOC643768	1.62E-03	-0.19
ILMN_1751904	EDNRB	1.62E-03	-0.21
ILMN_1674983	LOC387841	1.63E-03	-0.42
ILMN_1672759	CCDC109A	1.63E-03	-0.35
ILMN_1803850	TSPAN15	1.63E-03	0.22
ILMN_1700024	UST	1.63E-03	0.29
ILMN_1803745	SUOX	1.64E-03	0.45
ILMN_1746968	PHF1	1.67E-03	-0.26
ILMN_1677511	PTGS2	1.67E-03	-0.30
ILMN_1741133	NME1	1.68E-03	0.69
ILMN_2359287	ITGA6	1.68E-03	-0.26
ILMN_1747673	RASL10A	1.69E-03	0.35
ILMN_1753719	GTF2A2	1.69E-03	0.41
ILMN_2402600	GLIS3	1.70E-03	-0.26
ILMN_1664330	CEACAM1	1.71E-03	-0.14
ILMN_1713892	C4orf34	1.73E-03	-0.41
ILMN_1656910	TRIM6	1.75E-03	-0.37
ILMN_1743199	EGR2	1.75E-03	1.03
ILMN_1660199	ACAA2	1.75E-03	0.38

ILMN_2175601	VDAC1	1.75E-03	0.44
ILMN_1782881	DLEU7	1.76E-03	-0.20
ILMN_1659075	HLA-DOA	1.76E-03	0.31
ILMN_1715718	ZNF784	1.77E-03	-0.30
ILMN_1780601	EMR1	1.77E-03	-0.32
ILMN_2348268	IFFO1	1.77E-03	-0.43
ILMN_1665738	FLI1	1.77E-03	-0.47
ILMN_1699676	C14orf147	1.77E-03	-0.33
ILMN_1732452	MAPKAPK3	1.77E-03	0.44
ILMN_1706886	BCL7A	1.77E-03	0.26
ILMN_1772824	WNT5B	1.77E-03	0.62
ILMN_1808979	CLEC4D	1.78E-03	-0.37
ILMN_1797031	HSPBAP1	1.78E-03	-0.36
ILMN_3239937	NUDT16P	1.78E-03	0.29
ILMN_1696956	ARID3B	1.78E-03	-0.29
ILMN_2083469	IRS2	1.79E-03	-0.38
ILMN_1735367	HSD17B11	1.80E-03	-0.44
ILMN_1724907	NUDT3	1.80E-03	-0.35
ILMN_2141482	SERPINF1	1.80E-03	-0.22
ILMN_2053103	SLC40A1	1.80E-03	-0.44
ILMN_1659682	GALK2	1.82E-03	0.30
ILMN_2074748	HAL	1.82E-03	-0.15
ILMN_1784985	PRRT3	1.86E-03	0.34
ILMN_1760667	POLR3GL	1.86E-03	-0.40
ILMN_1703538	AIF1	1.86E-03	-0.51
ILMN_1752199	LHPP	1.86E-03	-0.46
ILMN_2198185	CXorf12	1.87E-03	-0.34
ILMN_1693804	LOC652675	1.87E-03	0.30
ILMN_2051867	PTCD2	1.87E-03	0.27
ILMN_1739576	CYB5R2	1.88E-03	-0.36
ILMN_1656254	NOTCH2NL	1.88E-03	-0.42
ILMN_1707720	SLC1A5	1.88E-03	0.36
ILMN_1769566	ATG3	1.88E-03	0.37
ILMN_2124221	CLLU1OS	1.88E-03	-0.61
ILMN_1667319	LPPR2	1.88E-03	-0.23
ILMN_1745904	CCDC6	1.89E-03	0.64
ILMN_1711838	SLC25A24	1.89E-03	-0.57
ILMN_2093343	PLAC8	1.89E-03	-1.31
ILMN_1681703	FOXO3	1.91E-03	-0.52
ILMN_1806165	HSPA6	1.92E-03	-0.68
ILMN_3251132	TMOD2	1.92E-03	-0.19
ILMN_1750373	KAL1	1.93E-03	-0.27
ILMN_1760849	NETO2	1.93E-03	0.27
ILMN_1681283	HIF1A	1.95E-03	-0.46
ILMN_1679837	SGPP1	1.96E-03	0.21
ILMN_1652082	ELF4	1.96E-03	0.48

ILMN_2408112	CD200R1	1.96E-03	1.04
ILMN_1803561	PLA2G4A	1.98E-03	0.22
ILMN_1807206	DHRS1	1.98E-03	-0.42
ILMN_1763467	LY6G5C	1.98E-03	-0.14
ILMN_1777915	STX6	1.99E-03	-0.40
ILMN_1711223	LOC649362	2.01E-03	-0.57
ILMN_1750722	RPS7	2.01E-03	0.31
ILMN_1653871	NAMPT	2.02E-03	-0.40
ILMN_1740572	TCN2	2.02E-03	-0.33
ILMN_2101375	CCDC77	2.03E-03	-0.36
ILMN_3200921	LOC642590	2.04E-03	-0.39
ILMN_1678494	ZNF438	2.07E-03	-0.38
ILMN_1753312	PLXDC2	2.08E-03	-0.45
ILMN_1780898	PRKCH	2.08E-03	-0.48
ILMN_1761463	EFHD2	2.10E-03	0.43
ILMN_2201580	GSTM2	2.10E-03	-0.40
ILMN_3305993	LOC728602	2.11E-03	-0.32
ILMN_1791792	C12orf5	2.13E-03	0.40
ILMN_1685661	RRP15	2.13E-03	0.30
ILMN_1654685	MCTP1	2.13E-03	-0.32
ILMN_3228688	LOC730415	2.14E-03	0.51
ILMN_1792689	HIST1H2AC	2.15E-03	-0.54
ILMN_3248786	LOC647588	2.15E-03	-0.33
ILMN_1713759	UBE2J1	2.15E-03	0.45
ILMN_1793959	ADPGK	2.17E-03	0.38
ILMN_1782110	ZNF295	2.17E-03	0.32
ILMN_1773427	KANK1	2.17E-03	-0.25
ILMN_1765876	ARHGAP24	2.17E-03	-0.15
ILMN_1767360	IL10RB	2.17E-03	-0.42
ILMN_1800838	SPATA12	2.18E-03	-0.15
ILMN_1794017	SERTAD1	2.18E-03	0.39
ILMN_1669094	ZNF672	2.19E-03	0.32
ILMN_1745499	UXT	2.19E-03	0.19
ILMN_1701882	LOC653820	2.20E-03	0.23
ILMN_1670672	TMEM37	2.20E-03	-0.34
ILMN_1758806	C21orf2	2.20E-03	-0.28
ILMN_1752226	P2RY11	2.20E-03	0.68
ILMN_1739942	FAM117B	2.22E-03	-0.27
ILMN_1700380	ATP6V0A2	2.22E-03	0.40
ILMN_1691611	LOC645436	2.22E-03	0.47
ILMN_1807894	SLC7A8	2.23E-03	0.66
ILMN_1690352	ADO	2.23E-03	0.50
ILMN_1734543	PTPRE	2.23E-03	0.61
ILMN_1773553	FLJ46906	2.24E-03	0.36
ILMN_2381138	SEH1L	2.27E-03	0.29
ILMN_2365595	GMPR2	2.29E-03	-0.36

ILMN_1653180	TPM4	2.30E-03	0.39
ILMN_1804174	FCGR2B	2.30E-03	0.39
ILMN_1740170	CHCHD10	2.34E-03	0.41
ILMN_3204890	LOC345041	2.35E-03	0.18
ILMN_1741356	PRICKLE1	2.35E-03	-0.20
ILMN_1774604	PNKD	2.35E-03	-0.47
ILMN_1676385	PAK2	2.36E-03	0.23
ILMN_1730986	MALT1	2.36E-03	0.32
ILMN_1807016	LHX2	2.36E-03	0.39
ILMN_2352380	TRPM2	2.37E-03	-0.57
ILMN_1723912	IFI44L	2.38E-03	-0.43
ILMN_1704713	CSNK1G1	2.39E-03	0.45
ILMN_1849013		2.40E-03	0.47
ILMN_1782305	NR4A2	2.40E-03	-0.30
ILMN_1838863		2.41E-03	0.20
ILMN_1735052	ULK1	2.41E-03	-0.42
ILMN_1750748	MGC102966	2.41E-03	0.40
ILMN_1760858	RAB8A	2.41E-03	0.46
ILMN_1720235	ADSSL1	2.41E-03	-0.27
ILMN_1792922	SOD2	2.41E-03	-0.37
ILMN_2309926	ZDHHC14	2.41E-03	-0.29
ILMN_1774800	KTELC1	2.42E-03	0.36
ILMN_1776788	C5orf41	2.42E-03	-0.40
ILMN_2307740	CD46	2.43E-03	-0.38
ILMN_1740864	TREML2	2.44E-03	0.14
ILMN_1683664	LOC650369	2.45E-03	0.37
ILMN_1782741	CD300LB	2.45E-03	0.48
ILMN_1659923	GNAQ	2.46E-03	0.39
ILMN_1758055	YIF1B	2.46E-03	0.35
ILMN_1691402	LOC644162	2.49E-03	0.43
ILMN_1702637	BEX1	2.50E-03	-0.31
ILMN_1683859	SLC7A1	2.50E-03	0.61
ILMN_1741021	CH25H	2.50E-03	0.64
ILMN_1794190	CCPG1	2.50E-03	-0.40
ILMN_2347068	MKNK2	2.51E-03	-0.38
ILMN_1684585	ACSL1	2.51E-03	-0.48
ILMN_2110252	NPM3	2.51E-03	0.35
ILMN_1676846	ABCE1	2.54E-03	0.29
ILMN_1878029		2.54E-03	-0.28
ILMN_1745112	FAM102A	2.54E-03	0.17
ILMN_1704055	HSPC111	2.55E-03	0.32
ILMN_3242271	GAPT	2.57E-03	-0.75
ILMN_1660359	LOC654126	2.57E-03	0.33
ILMN_1738742	PLAT	2.61E-03	0.21
ILMN_1659099	ROCK2	2.61E-03	0.26
ILMN_1709571	LOC654126	2.61E-03	0.24

ILMN_1699603	MRPL12	2.61E-03	0.28
ILMN_1703180	ETV3	2.61E-03	0.46
ILMN_3243714	LOC642073	2.61E-03	0.34
ILMN_1768480	VGLL4	2.64E-03	-0.37
ILMN_2323172	CSF3R	2.64E-03	-0.17
ILMN_1768534	BHLHB2	2.64E-03	0.73
ILMN_1729294	RNF130	2.65E-03	-0.38
ILMN_1766405	GOLM1	2.66E-03	0.26
ILMN_2139100	SHISA5	2.66E-03	-0.47
ILMN_1680955	AURKA	2.68E-03	0.37
ILMN_1691616	LOC727935	2.68E-03	-0.35
ILMN_1798543	STK17B	2.68E-03	0.39
ILMN_2170813	LAMP3	2.73E-03	0.52
ILMN_1765641	SEMA3A	2.73E-03	-0.24
ILMN_1806249	IL1RN	2.74E-03	0.28
ILMN_1780036	WDR1	2.74E-03	0.36
ILMN_1756501	ST6GAL1	2.74E-03	0.57
ILMN_2293758	AKAP11	2.74E-03	0.45
ILMN_1662129	RCN2	2.75E-03	-0.39
ILMN_1726873	TPCN2	2.77E-03	0.37
ILMN_3220934	NCRNA00152	2.78E-03	0.26
ILMN_1760449	TSPAN32	2.79E-03	0.13
ILMN_1769694	ACCN2	2.79E-03	-0.35
ILMN_1778237	FN1	2.81E-03	0.12
ILMN_1674285	LOC401233	2.81E-03	-0.35
ILMN_1773760	PAICS	2.81E-03	0.35
ILMN_1710216	AVEN	2.81E-03	0.24
ILMN_1701248	TREM2	2.83E-03	0.44
ILMN_1662619	TFPI	2.83E-03	-0.55
ILMN_1766487	LRRC25	2.83E-03	-0.30
ILMN_1675191	GAPT	2.87E-03	-1.13
ILMN_1798270	C11orf75	2.87E-03	-0.46
ILMN_2343105	LIPT1	2.88E-03	-0.29
ILMN_1789599	NBL1	2.88E-03	0.28
ILMN_1784005	LOC644615	2.89E-03	-0.56
ILMN_1805658	LTV1	2.90E-03	0.38
ILMN_1656415	CDKN2C	2.91E-03	-0.17
ILMN_1787567	TSC22D1	2.91E-03	-0.48
ILMN_1691436	BLVRA	2.92E-03	0.44
ILMN_3238369	JHDM1D	2.92E-03	0.34
ILMN_2164978	PDP2	2.95E-03	0.15
ILMN_1683096	ASB1	2.96E-03	-0.31
ILMN_1708934	ADM	2.97E-03	-0.70
ILMN_2233366	ASAP1	2.99E-03	0.36
ILMN_1664978	TJP2	2.99E-03	0.25
ILMN_1687315	RXRA	2.99E-03	-0.48

ILMN_1742230	BAZ1A	3.00E-03	0.38
ILMN_3224856	LOC729660	3.00E-03	-0.28
ILMN_1661717	TFDP1	3.00E-03	-0.43
ILMN_1689371	GIMAP2	3.00E-03	-0.34
ILMN_1736042	ME1	3.00E-03	-0.42
ILMN_1753913	GPR177	3.01E-03	-0.24
ILMN_1808047	PHC2	3.01E-03	-0.28
ILMN_1674402	TMEM71	3.01E-03	0.54
ILMN_3240389	CPOX	3.01E-03	-0.31
ILMN_2107004	GPR1	3.03E-03	-0.27
ILMN_1809931	NDRG1	3.04E-03	-0.45
ILMN_1774779	LOC647121	3.06E-03	0.21
ILMN_1712082	GCNT3	3.07E-03	0.16
ILMN_1785732	TNFAIP6	3.07E-03	-0.56
ILMN_1659895	MSN	3.08E-03	0.41
ILMN_3238274	BTBD2	3.08E-03	-0.45
ILMN_1725312	RASA1	3.08E-03	-0.35
ILMN_1657871	RSAD2	3.08E-03	-0.45
ILMN_1688423	FCER1A	3.11E-03	0.69
ILMN_1705953	LONRF1	3.12E-03	0.22
ILMN_1676528	BTN3A2	3.12E-03	-0.38
ILMN_1673711	HSP90AB1	3.14E-03	0.53
ILMN_1769633	CTSO	3.14E-03	-0.36
ILMN_1688672	SIGLECP3	3.14E-03	0.19
ILMN_1654560	TLR6	3.14E-03	-0.39
ILMN_1777895	LRRRC37B	3.14E-03	0.62
ILMN_2140990	CAMK1	3.14E-03	0.54
ILMN_1751120	HIST1H4H	3.14E-03	-0.40
ILMN_1788783	TRAM2	3.15E-03	0.30
ILMN_1716019	RHBDL3	3.15E-03	0.23
ILMN_2187830	CCNH	3.15E-03	0.41
ILMN_1784287	TGFBR3	3.15E-03	0.20
ILMN_1652223	WDR91	3.15E-03	-0.35
ILMN_1745116	ABHD12	3.17E-03	0.43
ILMN_1658962	LCP2	3.17E-03	-0.29
ILMN_1789436	C1orf218	3.20E-03	0.38
ILMN_2394305	PDGFB	3.21E-03	0.23
ILMN_1796130	LOC221710	3.22E-03	0.28
ILMN_1704785	C10orf125	3.23E-03	0.26
ILMN_1657632	ZMYM6	3.24E-03	-0.35
ILMN_3226181	NUDT7	3.26E-03	-0.42
ILMN_1785405	SLC17A9	3.26E-03	0.18
ILMN_1651343	ITGA11	3.26E-03	0.17
ILMN_1694708	LOC650737	3.27E-03	-0.27
ILMN_1712719	MAP7	3.29E-03	0.32
ILMN_2373062	RHBDF2	3.29E-03	-0.43

ILMN_2327947	SLC25A25	3.31E-03	0.21
ILMN_2246328	PTPN22	3.31E-03	-0.35
ILMN_1753472	SUMF1	3.34E-03	-0.38
ILMN_1704385	LOC347376	3.37E-03	-0.36
ILMN_1677239	CCDC14	3.37E-03	-0.32
ILMN_2058251	VIM	3.37E-03	0.37
ILMN_2292187	CHN2	3.38E-03	0.14
ILMN_1743397	PIGW	3.38E-03	0.29
ILMN_2386008	MPZL1	3.38E-03	-0.30
ILMN_2184064	ARRDC4	3.39E-03	0.42
ILMN_1752631	CGGBP1	3.39E-03	0.39
ILMN_1768973	HIST2H2AC	3.39E-03	-0.47
ILMN_1749838	MZF1	3.40E-03	-0.32
ILMN_3253728	C19orf64	3.41E-03	0.25
ILMN_1663035	SREBF1	3.41E-03	0.36
ILMN_2352077	KL	3.41E-03	-0.40
ILMN_1779828	EDEM1	3.41E-03	0.33
ILMN_1771695	RCBTB2	3.44E-03	-0.26
ILMN_1720113	PTPRO	3.44E-03	0.36
ILMN_2043452	FANCE	3.44E-03	-1.14
ILMN_2077905	PTGFRN	3.44E-03	0.41
ILMN_2392189	CTDSPL	3.45E-03	-0.43
ILMN_1677843	RAB24	3.47E-03	-0.37
ILMN_1695093	SLC7A8	3.49E-03	0.14
ILMN_1786722	ZNF385A	3.49E-03	-0.30
ILMN_2384241	TGFBR2	3.49E-03	-0.40
ILMN_2375599	RNH1	3.49E-03	0.47
ILMN_1695485	C9orf109	3.49E-03	-0.27
ILMN_1754507	IRF4	3.51E-03	0.37
ILMN_1732985	PHF20L1	3.52E-03	0.31
ILMN_1772492	MCART1	3.54E-03	-0.50
ILMN_2262044	PARP10	3.55E-03	-0.39
ILMN_1756572	COQ2	3.56E-03	-0.37
ILMN_2232430	NMD3	3.56E-03	0.45
ILMN_2412380	TSC22D1	3.56E-03	-0.33
ILMN_2366391	PRDX1	3.56E-03	-0.39
ILMN_1798256	UPP1	3.56E-03	0.44
ILMN_1690523	LRRC20	3.57E-03	-0.22
ILMN_1774708	ORMDL2	3.58E-03	0.21
ILMN_3285959	LOC645515	3.58E-03	0.28
ILMN_1763347	PIK3CB	3.58E-03	-0.27
ILMN_1810852	LAMC1	3.59E-03	-0.34
ILMN_1671843	PSRC1	3.59E-03	-0.22
ILMN_1743194	EEA1	3.59E-03	0.23
ILMN_1753980	LOC731950	3.60E-03	0.32
ILMN_1792473	AIF1	3.60E-03	-0.43

ILMN_2224907	C4orf34	3.60E-03	-0.42
ILMN_1689378	CCRN4L	3.61E-03	0.50
ILMN_1712914	SEMA6B	3.61E-03	-0.39
ILMN_2330267	ABCE1	3.62E-03	0.37
ILMN_1676213	SRPX2	3.62E-03	-0.21
ILMN_1763852	ACACB	3.62E-03	-0.34
ILMN_2294762	AMY1A	3.62E-03	0.51
ILMN_1830462	XYLT1	3.62E-03	0.37
ILMN_3244963	WDR42A	3.65E-03	-0.30
ILMN_3270853	LOC100130298	3.65E-03	-0.17
ILMN_1758941	REEP5	3.66E-03	0.38
ILMN_1653026	PLAC8	3.68E-03	-1.17
ILMN_2070072	RPS7	3.68E-03	0.31
ILMN_2316878	PTPRO	3.69E-03	0.39
ILMN_1800935	ARV1	3.70E-03	0.39
ILMN_2180352	DIP2B	3.71E-03	0.36
ILMN_2334042	THYN1	3.71E-03	-0.36
ILMN_1724686	CLDN1	3.71E-03	0.12
ILMN_1737406	KLF6	3.72E-03	0.39
ILMN_1745686	MFHAS1	3.72E-03	0.46
ILMN_1659659	MAGEH1	3.73E-03	-0.27
ILMN_3226012	LOC728698	3.73E-03	0.45
ILMN_1770245	EPB41L5	3.74E-03	-0.27
ILMN_2366703	SGK3	3.74E-03	-0.33
ILMN_1671891	PID1	3.74E-03	-0.48
ILMN_1712708	TRIM47	3.74E-03	0.35
ILMN_1697629	PLA2G4B	3.74E-03	-0.46
ILMN_2415170	VPS8	3.75E-03	-0.32
ILMN_1726666	GPX3	3.78E-03	-0.57
ILMN_1857335		3.78E-03	-0.20
ILMN_1691717	RHBDF2	3.78E-03	-0.40
ILMN_2101526	GGCT	3.80E-03	0.42
ILMN_1802557	HEBP1	3.81E-03	-0.44
ILMN_1813846	P2RX4	3.82E-03	-0.35
ILMN_1678671	KLHL24	3.82E-03	-0.32
ILMN_1724837	ZC3HAV1	3.82E-03	0.28
ILMN_1743301	MSR1	3.82E-03	-0.45
ILMN_1671482	GALM	3.82E-03	0.43
ILMN_1673252	AIMP2	3.83E-03	0.34
ILMN_1675674	UBE4B	3.83E-03	-0.36
ILMN_2231928	MX2	3.85E-03	-0.48
ILMN_1690282	CRADD	3.86E-03	-0.36
ILMN_1777061	ZSWIM6	3.86E-03	-0.40
ILMN_2105033	PLDN	3.87E-03	0.36
ILMN_1786189	MKI67IP	3.87E-03	0.38
ILMN_1654516	TMEM120A	3.87E-03	-0.30

ILMN_1799208	CSGALNACT2	3.88E-03	0.30
ILMN_2263718	SPAG9	3.88E-03	0.39
ILMN_1679476	GART	3.88E-03	0.37
ILMN_2409062	ISCU	3.88E-03	-0.36
ILMN_1785005	NCF4	3.89E-03	-0.39
ILMN_1716265	PGM2L1	3.90E-03	-0.18
ILMN_1738866	DEXI	3.94E-03	-0.39
ILMN_1681248	TCHH	3.94E-03	-0.19
ILMN_1776157	42251	3.95E-03	-0.25
ILMN_1718712	C20orf177	3.95E-03	-0.35
ILMN_1652797	FAM174B	3.96E-03	-0.25
ILMN_1755732	ARMC9	3.98E-03	-0.23
ILMN_1758963	NADK	3.98E-03	-0.34
ILMN_2319077	FAS	4.00E-03	0.29
ILMN_1675844	WDR1	4.00E-03	0.32
ILMN_1679797	ADARB1	4.00E-03	-0.33
ILMN_2160764	HBP1	4.00E-03	-0.35
ILMN_2066348	HERPUD2	4.00E-03	0.22
ILMN_1728168	C20orf45	4.01E-03	0.34
ILMN_2145116	TMEM173	4.03E-03	-0.40
ILMN_1735038	42066	4.04E-03	0.22
ILMN_1788192	ARMCX1	4.06E-03	-0.34
ILMN_1801040	SPN	4.09E-03	0.40
ILMN_1751425	ERMP1	4.09E-03	-0.36
ILMN_2184184	ANXA1	4.10E-03	0.44
ILMN_1678268	VPS8	4.13E-03	-0.30
ILMN_2069224	PVALB	4.15E-03	-0.70
ILMN_1879326		4.15E-03	0.28
ILMN_1683806	MRC1L1	4.16E-03	0.26
ILMN_1800276	RCN1	4.16E-03	0.39
ILMN_1710482	APLP2	4.17E-03	-0.45
ILMN_1664756	KPNA4	4.20E-03	0.41
ILMN_1800626	SESN1	4.21E-03	-0.37
ILMN_1724407	TACC3	4.21E-03	-0.32
ILMN_1714170	SPSB1	4.23E-03	0.32
ILMN_2066066	HLA-DRB6	4.25E-03	0.36
ILMN_1796712	S100A10	4.25E-03	-0.31
ILMN_1774077	GBP2	4.27E-03	-0.44
ILMN_1660027	FCGR2B	4.29E-03	0.73
ILMN_3188124	LOC100130511	4.29E-03	0.40
ILMN_1865764		4.29E-03	-0.46
ILMN_1698533	IDH3A	4.30E-03	0.37
ILMN_2100357	SMPDL3A	4.30E-03	-0.32
ILMN_1713813	LOC400578	4.30E-03	0.38
ILMN_1711408	ANXA4	4.30E-03	0.34
ILMN_3251207	TMEM19	4.30E-03	-0.29

ILMN_2363668	YIF1B	4.30E-03	0.35
ILMN_1737426	PCMTD1	4.30E-03	-0.40
ILMN_1737025	PLCL2	4.30E-03	-0.43
ILMN_1713397	NCCRP1	4.31E-03	0.88
ILMN_2403247	CMTM7	4.31E-03	0.36
ILMN_1737918	C1QA	4.31E-03	-0.29
ILMN_2188722	GLS	4.32E-03	0.37
ILMN_3285302	LOC283143	4.33E-03	-0.14
ILMN_1692177	TSC22D1	4.33E-03	-0.44
ILMN_1742853	LOC652184	4.33E-03	0.37
ILMN_2381296	GSTZ1	4.33E-03	-0.32
ILMN_1737498	MLKL	4.33E-03	-0.23
ILMN_1688780	S100A4	4.33E-03	-0.50
ILMN_1783285	CTPS	4.33E-03	0.26
ILMN_1690921	STAT2	4.33E-03	-0.37
ILMN_3307858	STIM2	4.34E-03	0.25
ILMN_2219246	LOC162073	4.34E-03	0.16
ILMN_2376723	CDKN2B	4.34E-03	-0.49
ILMN_3239460	OAZ2	4.34E-03	-0.51
ILMN_1717261	HLA-DRB3	4.34E-03	0.41
ILMN_1652906	GBGT1	4.34E-03	-0.33
ILMN_2329914	SPRY1	4.34E-03	-0.41
ILMN_1763129	DCTPP1	4.35E-03	0.32
ILMN_2340347	PC	4.37E-03	-0.28
ILMN_1656920	CRIP1	4.42E-03	0.45
ILMN_1789011	SYNGR2	4.42E-03	0.15
ILMN_3234436	LOC100132528	4.44E-03	0.38
ILMN_3247533	LOC100133840	4.44E-03	0.32
ILMN_1681890	DYNLT3	4.45E-03	-0.38
ILMN_3244434	ARAP2	4.45E-03	0.34
ILMN_1663751	CYCSL1	4.45E-03	0.36
ILMN_1806651	PARP8	4.47E-03	-0.31
ILMN_1678087	MAP3K4	4.48E-03	0.37
ILMN_1655884	ATP2A2	4.51E-03	0.34
ILMN_1752932	MPZL2	4.52E-03	0.61
ILMN_1762713	C19orf59	4.52E-03	-0.30
ILMN_1776105	PSPH	4.52E-03	0.28
ILMN_1773200	CP110	4.52E-03	-0.33
ILMN_1716651	RUNX2	4.52E-03	0.23
ILMN_1812226	ICAM1	4.52E-03	0.53
ILMN_1812278	LY9	4.52E-03	0.78
ILMN_1728714	SSSCA1	4.56E-03	0.16
ILMN_1669321	MATK	4.57E-03	0.38
ILMN_2296036	PTPN2	4.59E-03	0.26
ILMN_1814305	SAMD9	4.60E-03	-0.37
ILMN_1753111	NAMPT	4.60E-03	-0.37

ILMN_1768469	TCN1	4.60E-03	-0.10
ILMN_3230508	NCRNA00152	4.60E-03	0.15
ILMN_1707695	IFIT1	4.60E-03	-0.35
ILMN_2289593	FXVD2	4.66E-03	-0.28
ILMN_1678629	DOCK7	4.66E-03	0.36
ILMN_2380566	SIAH1	4.67E-03	0.54
ILMN_2384544	ADAM15	4.68E-03	0.29
ILMN_1656016	DHX9	4.69E-03	0.24
ILMN_1710756	ENO1	4.70E-03	0.36
ILMN_1844692	FOXO3	4.72E-03	-0.36
ILMN_1708534	PAX8	4.73E-03	-0.26
ILMN_2157951	STX6	4.75E-03	-0.37
ILMN_2124187	TSC22D2	4.76E-03	0.42
ILMN_3294318	LOC644173	4.76E-03	-0.22
ILMN_1766261	SLC2A12	4.78E-03	-0.12
ILMN_1692271	CCM2	4.78E-03	0.18
ILMN_2112357	CD300LF	4.78E-03	-0.39
ILMN_1783771	UBE2Z	4.78E-03	0.31
ILMN_1723706	GRAMD4	4.80E-03	-0.38
ILMN_1803925	MTMR3	4.80E-03	-0.21
ILMN_1690586	HNRPA1P4	4.81E-03	0.46
ILMN_3242900	HIST2H2AA4	4.81E-03	-0.47
ILMN_1673899	FAM57A	4.81E-03	0.15
ILMN_1808821	COMMD9	4.81E-03	-0.38
ILMN_1695640	PTPN22	4.85E-03	-0.32
ILMN_1695645	CETN2	4.85E-03	-0.32
ILMN_2069128	EPB41L2	4.90E-03	0.18
ILMN_1772646	LOC388681	4.90E-03	-0.25
ILMN_1803742	CAPZA1	4.91E-03	0.35
ILMN_1655117	WDR19	4.91E-03	-0.29
ILMN_1684306	S100A4	4.91E-03	-0.55
ILMN_2150095	CES4	4.92E-03	-0.36
ILMN_1798172	IPO4	4.96E-03	0.16
ILMN_1719433	CD1D	4.96E-03	-0.31
ILMN_1657483	SEC23B	4.97E-03	0.41
ILMN_1737644	TMEM219	4.97E-03	-0.30
ILMN_1760011	GTF2IRD2B	4.97E-03	-0.24
ILMN_1662306	RABL3	4.97E-03	0.26
ILMN_1776047	LOC646197	4.97E-03	0.31
ILMN_2379130	IRAK1	4.98E-03	-0.31
ILMN_2298365	PPP2R2B	4.98E-03	0.32
ILMN_1777190	CFD	5.01E-03	-0.43
ILMN_1720484	CRTAP	5.02E-03	-0.20
ILMN_1703565	GLTSCR2	5.03E-03	-0.35
ILMN_1744471	ZNF654	5.03E-03	0.34
ILMN_1796179	HIST1H2BK	5.04E-03	-0.31

ILMN_1762260	C3	5.05E-03	-0.19
ILMN_2335704	NCF4	5.05E-03	-0.31
ILMN_1705144	ULK1	5.06E-03	-0.43
ILMN_1712751	HADHA	5.08E-03	0.29
ILMN_1678490	RILPL2	5.10E-03	-0.38
ILMN_2225144	EIF4E3	5.10E-03	-0.35
ILMN_1674394	C20orf3	5.11E-03	-0.38
ILMN_3235832	LOC728835	5.15E-03	1.75
ILMN_1677572	FSD1CL	5.15E-03	-0.19
ILMN_3306730	RBM47	5.16E-03	0.41
ILMN_1715863	MLKL	5.20E-03	-0.21
ILMN_1691156	MT1A	5.20E-03	-0.39
ILMN_3182768	LOC100130520	5.20E-03	0.45
ILMN_1789364	ZNF789	5.22E-03	0.20
ILMN_1737705	UHRF1BP1L	5.24E-03	0.26
ILMN_1777139	MAK16	5.24E-03	0.27
ILMN_1782829	GLTSCR1	5.24E-03	0.33
ILMN_1745034	SLC11A2	5.24E-03	0.74
ILMN_1764396	HDAC4	5.25E-03	-0.26
ILMN_3247462	GLRX3	5.27E-03	0.47
ILMN_1696601	VAR5	5.27E-03	0.30
ILMN_1668408	AIFM1	5.30E-03	0.29
ILMN_1810229	ARID4A	5.31E-03	0.30
ILMN_2378100	FBXL5	5.31E-03	-0.32
ILMN_1672042	DOLPP1	5.31E-03	0.22
ILMN_2115752	MEFV	5.31E-03	-0.29
ILMN_2234412	TLE3	5.31E-03	-0.17
ILMN_1716596	NSMAF	5.31E-03	-0.31
ILMN_2313821	AIFM1	5.32E-03	0.42
ILMN_1715013	ERMAP	5.32E-03	-0.30
ILMN_2129015	AFF1	5.33E-03	0.31
ILMN_1719343	WDR26	5.33E-03	-0.33
ILMN_1692199	RNF103	5.34E-03	-0.33
ILMN_2374683	PTPN13	5.36E-03	0.12
ILMN_1698225	MYO5A	5.36E-03	-0.32
ILMN_1767747	HDAC2	5.36E-03	0.33
ILMN_1715684	LAMB3	5.40E-03	-0.25
ILMN_3308961	MIR1974	5.40E-03	-0.37
ILMN_2138589	MERTK	5.40E-03	-0.47
ILMN_2387090	CGGBP1	5.40E-03	0.50
ILMN_2381397	HSPD1	5.40E-03	0.36
ILMN_1673282	LAMP2	5.41E-03	-0.30
ILMN_1661439	FLOT1	5.42E-03	-0.35
ILMN_2214197	TP53INP1	5.43E-03	-0.28
ILMN_2376416	UBXN11	5.45E-03	-0.27
ILMN_3265343	LOC100130633	5.47E-03	-0.37

ILMN_1788384	C9orf5	5.49E-03	-0.29
ILMN_1659047	HIST2H2AA3	5.50E-03	-0.48
ILMN_1802082	PRDM8	5.50E-03	-0.17
ILMN_1727098	PPP1R16B	5.50E-03	0.30
ILMN_2407389	GPNMB	5.55E-03	-0.40
ILMN_2398235	PIK3R1	5.59E-03	0.15
ILMN_1656628	WDR4	5.59E-03	0.31
ILMN_3249477	CHIT1	5.59E-03	-0.72
ILMN_2297765	KCNMA1	5.62E-03	-0.45
ILMN_1726512	ZSCAN2	5.62E-03	-0.22
ILMN_2164242	UBE2F	5.63E-03	0.44
ILMN_1739050	PIPOX	5.63E-03	-0.12
ILMN_1790962	RINL	5.63E-03	-0.28
ILMN_1691339	CLEC1A	5.63E-03	0.19
ILMN_1765994	ZBP1	5.64E-03	-0.42
ILMN_1703123	AXUD1	5.65E-03	0.45
ILMN_3235964	HSPA7	5.67E-03	-0.46
ILMN_2274180	MKKS	5.68E-03	0.32
ILMN_1687301	VCAN	5.68E-03	-0.74
ILMN_3307926	ADRBK1	5.72E-03	-0.44
ILMN_2322375	MAFF	5.72E-03	0.41
ILMN_1702933	ADM2	5.73E-03	0.33
ILMN_1662328	CNNM3	5.74E-03	-0.25
ILMN_1660661	TCP1	5.75E-03	0.28
ILMN_1733270	CD163	5.77E-03	-0.31
ILMN_1674811	OASL	5.77E-03	-0.41
ILMN_3193306	C14orf109	5.79E-03	-0.34
ILMN_1743104	RBM4B	5.80E-03	-0.28
ILMN_1672295	ZC3H12A	5.80E-03	0.22
ILMN_1685415	HBP1	5.80E-03	-0.34
ILMN_2181445	BCL2L13	5.80E-03	-0.34
ILMN_1762666	DHRS4	5.84E-03	-0.34
ILMN_1715715	CEBPA	5.86E-03	0.45
ILMN_1781952	MGST1	5.89E-03	-0.35
ILMN_1766408	CBFB	5.89E-03	0.30
ILMN_2082314	TOM1	5.93E-03	-0.45
ILMN_1764723	SH3PXD2B	5.98E-03	0.30
ILMN_2044085	RQCD1	5.98E-03	0.29
ILMN_1676984	DDIT3	5.99E-03	0.47
ILMN_1670145	DFNA5	5.99E-03	-0.39
ILMN_1749372	GGT5	6.01E-03	0.16
ILMN_1712389	CKLF	6.02E-03	0.42
ILMN_1659017	C11orf74	6.04E-03	-0.34
ILMN_1752923	IFNAR1	6.04E-03	-0.38
ILMN_1741628	ABL2	6.04E-03	0.19
ILMN_2072178	ECHDC3	6.07E-03	0.45

ILMN_1701789	IFIT3	6.07E-03	-0.44
ILMN_2047618	KCNE1	6.09E-03	0.40
ILMN_1766916	RPAP3	6.10E-03	0.37
ILMN_1691097	HSP90AA1	6.12E-03	0.44
ILMN_2406084	ITGA11	6.19E-03	0.10
ILMN_1758626	IDS	6.19E-03	-0.34
ILMN_1680347	ZNF317	6.20E-03	0.30
ILMN_1688373	LST1	6.23E-03	-0.33
ILMN_1897741		6.24E-03	-0.34
ILMN_1682572	KIAA0528	6.24E-03	-0.32
ILMN_1675656	PPFIBP2	6.24E-03	0.44
ILMN_2243687	LAMP2	6.24E-03	-0.36
ILMN_1704531	PTGR1	6.27E-03	-0.50
ILMN_2197846	HADHB	6.28E-03	0.43
ILMN_3227994	LOC729992	6.30E-03	0.30
ILMN_2336133	SULT1A4	6.34E-03	-0.28
ILMN_2151488	RMI1	6.36E-03	0.29
ILMN_1656574	PCGF6	6.44E-03	0.28
ILMN_1757106	42069	6.45E-03	-0.34
ILMN_1665291	NUB1	6.45E-03	0.34
ILMN_1679800	BRIX1	6.45E-03	0.31
ILMN_1661264	SHMT2	6.47E-03	0.38
ILMN_1813117	ITGA9	6.48E-03	0.23
ILMN_2129572	F3	6.48E-03	0.45
ILMN_1709772	SNX5	6.48E-03	0.33
ILMN_1695025	CD2	6.54E-03	-0.18
ILMN_1782095	C20orf55	6.54E-03	-0.34
ILMN_1662973	CD82	6.56E-03	-0.31
ILMN_2167011	ECHDC1	6.57E-03	-0.33
ILMN_1761941	C4orf18	6.58E-03	-0.37
ILMN_1694589	PAQR8	6.62E-03	-0.34
ILMN_1854833		6.62E-03	-0.19
ILMN_3193687	LOC100129391	6.62E-03	0.21
ILMN_1765044	CUTC	6.62E-03	0.32
ILMN_3210741	LOC642956	6.62E-03	0.46
ILMN_1701514	TRAF3IP2	6.65E-03	-0.49
ILMN_1888558		6.68E-03	-0.20
ILMN_1667657	TPP2	6.71E-03	0.20
ILMN_3248551	C2CD4B	6.71E-03	0.28
ILMN_1715583	BOP1	6.75E-03	0.28
ILMN_3206827	LOC100131737	6.75E-03	0.30
ILMN_2381697	P4HA2	6.76E-03	0.33
ILMN_2092536	HSPE1	6.76E-03	0.32
ILMN_3181296	LOC100130623	6.78E-03	-0.16
ILMN_1704398	FZD9	6.78E-03	-0.32
ILMN_2398107	ASNS	6.81E-03	0.34

ILMN_1796417	ASNS	6.81E-03	0.52
ILMN_3278070	LOC100131336	6.84E-03	0.34
ILMN_2382403	FCGR2B	6.87E-03	0.42
ILMN_1789781	PIM3	6.89E-03	0.13
ILMN_1706015	FAM43A	6.93E-03	-0.21
ILMN_1741506	LOC149134	6.93E-03	-0.17
ILMN_1702858	ADHFE1	6.96E-03	-0.26
ILMN_1656560	PARM1	7.00E-03	0.58
ILMN_1696407	SFRS2	7.00E-03	0.38
ILMN_2271894	ZNF654	7.04E-03	0.27
ILMN_1809477	CARHSP1	7.05E-03	-0.34
ILMN_1793433	RAB10	7.06E-03	0.32
ILMN_1732071	HIST2H2BE	7.07E-03	-0.33
ILMN_2142695	RNF4	7.09E-03	0.30
ILMN_1791905	CCDC103	7.12E-03	-0.27
ILMN_1733259	ADORA3	7.13E-03	0.42
ILMN_1859207		7.14E-03	0.20
ILMN_2387680	VNN3	7.14E-03	-0.16
ILMN_1718206	KIAA0100	7.14E-03	0.27
ILMN_2279635	EIF4G2	7.16E-03	0.33
ILMN_2038777	ACTB	7.17E-03	0.38
ILMN_2117987	TFDP1	7.24E-03	-0.40
ILMN_2316844	RBPJ	7.25E-03	0.14
ILMN_2379644	CD74	7.25E-03	0.52
ILMN_3183620	LOC100128326	7.25E-03	-0.29
ILMN_1697567	TPM3	7.27E-03	0.34
ILMN_1737964	HIATL1	7.35E-03	0.47
ILMN_1761804	ALDH9A1	7.35E-03	0.34
ILMN_1739641	MTMR3	7.38E-03	-0.37
ILMN_2062468	IGFBP7	7.39E-03	-0.26
ILMN_1660232	PEX5	7.40E-03	-0.36
ILMN_1689329	SCD	7.42E-03	-0.40
ILMN_1736757	GNPTAB	7.42E-03	-0.37
ILMN_1677432	SRGAP1	7.43E-03	0.24
ILMN_1670302	HK3	7.45E-03	-0.33
ILMN_1660063	POLE4	7.46E-03	-0.36
ILMN_1676014	LOC728635	7.46E-03	-0.37
ILMN_2370882	ACSL5	7.47E-03	0.28
ILMN_2394777	DTNA	7.50E-03	0.11
ILMN_1769433	IQGAP2	7.55E-03	-0.35
ILMN_2380588	C6orf108	7.57E-03	0.31
ILMN_1736982	PHACTR1	7.60E-03	-0.16
ILMN_1707585	SLC46A2	7.60E-03	-0.26
ILMN_2387636	ITGB4BP	7.62E-03	0.32
ILMN_1670576	IRF5	7.65E-03	0.33
ILMN_1813701	RASAL2	7.65E-03	0.22

ILMN_1713603	PRKCB1	7.65E-03	-0.21
ILMN_1754839	DHX15	7.65E-03	0.30
ILMN_3302156	LOC729534	7.67E-03	0.13
ILMN_3231881	LOC728026	7.70E-03	0.31
ILMN_1789505	ITPR1	7.70E-03	-0.34
ILMN_3236481	LOC100129086	7.71E-03	0.35
ILMN_2226304	ANKRD50	7.72E-03	-0.25
ILMN_3240316	TMSL3	7.74E-03	-0.30
ILMN_1737580	PPPDE2	7.74E-03	0.38
ILMN_1691127	VTN	7.76E-03	-0.27
ILMN_1663092	CITED2	7.76E-03	0.41
ILMN_2253759	IL18BP	7.78E-03	0.10
ILMN_1720048	CCL2	7.82E-03	-0.68
ILMN_1748476	NOP58	7.82E-03	0.27
ILMN_3247645	LOC550643	7.82E-03	-0.31
ILMN_1793287	LOC642755	7.83E-03	-0.38
ILMN_1724946	SPINT1	7.86E-03	0.20
ILMN_1710092	ZBTB46	7.89E-03	0.28
ILMN_1801845	DNAL4	7.90E-03	-0.28
ILMN_1806106	GNL3	7.90E-03	0.25
ILMN_1654571	FCHO1	7.94E-03	0.19
ILMN_2413779	SEZ6L2	7.95E-03	-0.23
ILMN_1688346	ZNF800	7.96E-03	0.27
ILMN_1671152	LOC649801	7.96E-03	0.26
ILMN_1798395	PIGH	8.00E-03	0.32
ILMN_1807298	NR4A3	8.04E-03	0.14
ILMN_1767349	ABCB4	8.09E-03	0.28
ILMN_1786972	SARS	8.11E-03	0.33
ILMN_1686920	CCDC58	8.14E-03	-0.31
ILMN_1793615	ME3	8.14E-03	0.18
ILMN_1659599	ADC	8.15E-03	0.11
ILMN_1665865	IGFBP4	8.16E-03	-0.34
ILMN_1710495	PAPLN	8.16E-03	-0.29
ILMN_1814333	SERPINI1	8.23E-03	-0.26
ILMN_1698725	FRMD3	8.26E-03	-0.21
ILMN_1780397	TRAF3IP3	8.26E-03	-0.24
ILMN_1714401	SNX27	8.26E-03	-0.41
ILMN_1912083		8.27E-03	0.23
ILMN_1695576	MRPL24	8.27E-03	0.32
ILMN_1741422	FUT8	8.27E-03	-0.24
ILMN_1854383		8.27E-03	-0.13
ILMN_1889752		8.28E-03	0.22
ILMN_1738558	RGS20	8.29E-03	-0.37
ILMN_1770293	KLF5	8.30E-03	0.20
ILMN_1690802	TRMT112	8.30E-03	-0.35
ILMN_1779353	PUS7	8.35E-03	0.27

ILMN_1651557	KDELC2	8.35E-03	0.26
ILMN_1786016	CHD1L	8.35E-03	0.27
ILMN_1719032	LSM3	8.37E-03	-0.41
ILMN_1690646	SATB1	8.37E-03	0.20
ILMN_2366177	IFT122	8.38E-03	-0.20
ILMN_3225471	LOC728650	8.45E-03	-0.36
ILMN_1772131	IL1R2	8.45E-03	0.37
ILMN_1651964	ABCC5	8.45E-03	0.28
ILMN_1691760	FAM45A	8.48E-03	-0.33
ILMN_1716815	CEACAM1	8.49E-03	-0.52
ILMN_2042771	PTTG1	8.53E-03	-0.29
ILMN_1708105	EZH2	8.55E-03	0.18
ILMN_1746917	LOC729843	8.57E-03	-0.30
ILMN_1729453	TSPAN9	8.62E-03	-0.11
ILMN_1740604	RAB11FIP5	8.64E-03	-0.22
ILMN_1735347	MCEE	8.64E-03	-0.33
ILMN_1670000	DCAF6	8.65E-03	-0.32
ILMN_2206554	SLC35F5	8.67E-03	0.29
ILMN_3243928	DDX60L	8.67E-03	-0.26
ILMN_3300663	LOC728661	8.70E-03	-0.39
ILMN_1718718	MKKS	8.74E-03	0.33
ILMN_1663399	TIMP4	8.76E-03	0.35
ILMN_1728073	DENND1A	8.76E-03	0.16
ILMN_1770641	KLHL3	8.76E-03	-0.24
ILMN_1789007	APOC1	8.76E-03	-0.44
ILMN_1656293	GOSR2	8.76E-03	0.27
ILMN_1677963	TMCC1	8.76E-03	-0.16
ILMN_1691539	LAT	8.76E-03	-0.34
ILMN_1729180	GATM	8.77E-03	0.19
ILMN_1770338	TM4SF1	8.78E-03	-0.35
ILMN_1701621	SCO2	8.81E-03	-0.32
ILMN_1700081	FST	8.82E-03	0.14
ILMN_1795236	SIGLEC9	8.84E-03	0.26
ILMN_1660451	STARD13	8.88E-03	-0.29
ILMN_3178258	FABP5L2	8.88E-03	0.43
ILMN_1683277	KIAA0319L	8.88E-03	-0.27
ILMN_1685625	UCP2	8.88E-03	0.52
ILMN_3289745	LOC339352	8.88E-03	-0.24
ILMN_2375879	VEGFA	8.91E-03	0.24
ILMN_2347917	EED	8.93E-03	0.31
ILMN_1720623	SYTL3	8.95E-03	-0.36
ILMN_1763260	HIF1A	8.98E-03	-0.50
ILMN_3224926	RBM47	9.03E-03	0.33
ILMN_2152402	BAT5	9.03E-03	0.30
ILMN_1724902	SLC22A18	9.03E-03	-0.13
ILMN_1795906	PCBD1	9.03E-03	0.32

ILMN_1761464	CD74	9.07E-03	0.56
ILMN_2369018	EVI2A	9.08E-03	-0.36
ILMN_2365686	ALG8	9.12E-03	0.30
ILMN_3229859	MOBK3	9.13E-03	0.25
ILMN_1714393	RAB24	9.13E-03	-0.22
ILMN_1799889	ATP6V0D2	9.16E-03	-0.48
ILMN_1697817	PANX1	9.16E-03	-0.21
ILMN_1677919	GMPT2	9.19E-03	-0.36
ILMN_2351298	WIPF1	9.22E-03	-0.34
ILMN_1728698	GDE1	9.26E-03	-0.27
ILMN_1750130	GSPT1	9.27E-03	0.32
ILMN_1661266	HLA-DQB1	9.28E-03	0.42
ILMN_3306482	LOC730107	9.28E-03	0.25
ILMN_1680339	PDGFRL	9.32E-03	0.34
ILMN_1749078	TIMP2	9.36E-03	-0.35
ILMN_1659257	TNFRSF8	9.37E-03	-0.21
ILMN_1815626	DHCR7	9.38E-03	-0.23
ILMN_1701006	HEXIM2	9.38E-03	-0.23
ILMN_1673941	RBM24	9.40E-03	-0.13
ILMN_1746309	LOC389791	9.42E-03	0.10
ILMN_1766713	HSPD1	9.42E-03	0.38
ILMN_2216815	MAP7	9.43E-03	0.34
ILMN_1677800	SGTA	9.46E-03	0.16
ILMN_1686373	C15orf26	9.47E-03	-0.12
ILMN_1815345	EIF3J	9.52E-03	0.30
ILMN_1846922		9.53E-03	-0.34
ILMN_1736704	DIXDC1	9.54E-03	-0.23
ILMN_2084073	UCN	9.55E-03	-0.24
ILMN_2203891	SMAD7	9.60E-03	0.27
ILMN_1774447	AMPD3	9.61E-03	-0.21
ILMN_1776967	LRRC50	9.68E-03	-0.21
ILMN_3307782	FBXL18	9.70E-03	-0.31
ILMN_1816244		9.71E-03	0.28
ILMN_1706217	TLR4	9.75E-03	-0.29
ILMN_1750093	SDHALP1	9.76E-03	-0.47
ILMN_1901616		9.78E-03	-0.29
ILMN_2312606	IRF5	9.79E-03	0.38
ILMN_1765446	EMP3	9.79E-03	-0.35
ILMN_1716876	MED27	9.79E-03	0.22
ILMN_1690289	DUOX1	9.79E-03	0.22
ILMN_2363634	ADHFE1	9.79E-03	-0.13
ILMN_1801710	APBB1IP	9.81E-03	0.36
ILMN_3236160	C4orf49	9.81E-03	-0.12
ILMN_1787186	NOV	9.82E-03	-0.19
ILMN_1717710	SLC26A5	9.82E-03	0.11
ILMN_1675386	CES1	9.86E-03	-0.43

ILMN_1665964	GAB2	9.91E-03	0.38
ILMN_3199755	LOC646821	9.93E-03	0.26
ILMN_2414533	ARMCX6	9.94E-03	-0.24
ILMN_1773018	CUEDC2	9.97E-03	-0.31
ILMN_1707710	SLC6A13	9.97E-03	-0.12

Azithromycin (AZM)

ProbeID	Gene Symbol	FDR	Log ₂ [AZM/NoTx]
ILMN_1693009	FGL2	4.27E-07	-1.73
ILMN_1729801	S100A8	4.27E-07	-1.74
ILMN_1775501	IL1B	2.39E-06	-1.28
ILMN_2359800	MS4A6A	2.46E-06	-1.10
ILMN_2092118	FPR1	2.46E-06	-1.29
ILMN_1810560	P8	5.14E-06	1.58
ILMN_2388800	PPAP2B	5.81E-06	1.58
ILMN_1740015	CD14	5.81E-06	-1.15
ILMN_1721035	MS4A6A	6.46E-06	-1.08
ILMN_3243682	C1orf93	8.24E-06	1.06
ILMN_1792473	AIF1	8.24E-06	-0.92
ILMN_1797731	MS4A6A	8.24E-06	-0.88
ILMN_1750974	S100A9	8.24E-06	-1.18
ILMN_1769876	TBC1D2	8.24E-06	1.14
ILMN_1712475	HS3ST2	8.24E-06	2.33
ILMN_1756928	RTN1	8.24E-06	-0.91
ILMN_1808919	HPS4	1.06E-05	0.82
ILMN_1790689	CRISPLD2	1.06E-05	-1.02
ILMN_1726666	GPX3	1.06E-05	-1.19
ILMN_2408683	PPAP2B	1.07E-05	1.38
ILMN_2235851	LINCR	1.17E-05	1.29
ILMN_1729188	HAMP	1.23E-05	1.88
ILMN_2407389	GPNMB	1.63E-05	1.05
ILMN_1731644	SETDB2	2.00E-05	1.12
ILMN_1819783		2.17E-05	0.92
ILMN_1689200	DHDH	2.17E-05	1.04
ILMN_1787186	NOV	2.17E-05	1.11
ILMN_1695316	SLC39A8	2.30E-05	-1.25
ILMN_2404688	NUPR1	2.51E-05	1.71
ILMN_1691341	IL7R	2.63E-05	-0.87
ILMN_1739222	ETV5	3.06E-05	-0.98
ILMN_2205963	C10orf54	3.06E-05	-1.06
ILMN_1738992	MNDA	3.77E-05	-0.76
ILMN_1780465	CLEC5A	3.77E-05	-1.06
ILMN_1714433	MARCKSL1	3.77E-05	-1.00
ILMN_1703946	ADORA2B	3.77E-05	1.10

ILMN_1776678	GIMAP7	3.77E-05	-0.88
ILMN_2046611	MCOLN3	4.13E-05	0.66
ILMN_1687824	SEPHS2	4.99E-05	0.83
ILMN_1655549	SIGLEC10	5.30E-05	-1.20
ILMN_2396020	DUSP6	5.36E-05	-0.97
ILMN_1789338	SORBS3	5.69E-05	0.68
ILMN_1740875	FPR2	6.53E-05	-0.97
ILMN_2338963	SLC29A1	6.65E-05	0.52
ILMN_1670325	SLC47A1	7.19E-05	0.73
ILMN_1664761	TMEM138	7.19E-05	0.98
ILMN_1814998	FKSG30	7.19E-05	-1.12
ILMN_1686623	CSF1R	7.82E-05	-0.87
ILMN_1690101	FAIM	8.83E-05	0.81
ILMN_2255133	BCL11A	8.83E-05	0.68
ILMN_1746888	PCOLCE2	8.83E-05	-0.82
ILMN_1806165	HSPA6	9.00E-05	-0.79
ILMN_1731928	LY9	9.15E-05	0.44
ILMN_1669940	TMEM38B	9.15E-05	0.88
ILMN_1669523	FOS	9.60E-05	-0.77
ILMN_2345353	LST1	1.01E-04	-0.72
ILMN_2232121	GPR65	1.01E-04	-0.69
ILMN_1747347	C17orf60	1.09E-04	-1.01
ILMN_1804735	CBS	1.09E-04	0.79
ILMN_1789361	PKD2L1	1.09E-04	0.68
ILMN_1737484	RTN4R	1.09E-04	0.89
ILMN_2154053	FVT1	1.09E-04	0.61
ILMN_1651769	ZFYVE16	1.09E-04	0.60
ILMN_1677814	ABCC3	1.26E-04	-0.65
ILMN_1713505	NPC1	1.31E-04	0.95
ILMN_1702231	C1orf54	1.32E-04	-0.84
ILMN_1713749	CORO1A	1.37E-04	-0.97
ILMN_2382657	ARHGAP9	1.43E-04	-0.52
ILMN_3307158	ATG4A	1.43E-04	0.63
ILMN_1759792	CLIP4	1.50E-04	0.73
ILMN_2404512	PSEN2	1.51E-04	0.56
ILMN_1723971	SLC29A1	1.51E-04	0.64
ILMN_1739751	SLC26A11	1.51E-04	1.20
ILMN_1782729	CLECL1	1.51E-04	-0.53
ILMN_1713829	PTGES	1.51E-04	0.75
ILMN_1672608	PPAP2B	1.54E-04	0.40
ILMN_1734740	GPR65	1.54E-04	-0.79
ILMN_1703538	AIF1	1.54E-04	-0.85
ILMN_1801205	GPNMB	1.54E-04	0.76
ILMN_1742981	TUBA1A	1.54E-04	-0.66
ILMN_1705403	CYP2S1	1.54E-04	-0.68
ILMN_3241758	POTEF	1.60E-04	-0.99

ILMN_1779015	ZNF467	1.60E-04	-0.73
ILMN_1663313	AMY1C	1.60E-04	-0.91
ILMN_1670302	HK3	1.60E-04	-0.57
ILMN_1803988	MCL1	1.66E-04	-0.60
ILMN_1784871	FASN	1.68E-04	0.69
ILMN_1677466	DUSP6	1.68E-04	-0.49
ILMN_1764030	CCL23	1.68E-04	-0.61
ILMN_2310896	NLRP3	1.71E-04	-0.62
ILMN_2399363	CLEC4A	1.72E-04	-0.67
ILMN_1656194	TSPAN10	1.72E-04	0.70
ILMN_1810628	KIAA0367	1.74E-04	-0.72
ILMN_1803560	LAT2	1.82E-04	-0.69
ILMN_2101278	RGS18	1.89E-04	-0.62
ILMN_1704961	ACTG1	1.89E-04	-0.83
ILMN_1758895	CTSK	1.92E-04	0.86
ILMN_1683755	SOX13	1.95E-04	0.56
ILMN_1769013	ASGR1	1.95E-04	-0.63
ILMN_1695246	KLHDC8B	1.95E-04	0.90
ILMN_2038777	ACTB	1.95E-04	-0.87
ILMN_1730504	AGPAT4	1.95E-04	0.47
ILMN_2070375	GPR82	1.95E-04	-1.12
ILMN_1769229	BCL2A1	1.95E-04	0.55
ILMN_1758939	RIPK2	1.98E-04	0.73
ILMN_2351548	FAIM	2.08E-04	0.55
ILMN_1679782	BLOC1S2	2.08E-04	0.55
ILMN_2339748	RNF13	2.10E-04	0.73
ILMN_3269775	C14orf109	2.19E-04	1.03
ILMN_2359945	CES1	2.19E-04	0.71
ILMN_2264011	GRAP	2.19E-04	-0.45
ILMN_1723035	OLR1	2.19E-04	-0.86
ILMN_2183409	SCARB1	2.19E-04	0.58
ILMN_2289849	FCGR2A	2.19E-04	-0.54
ILMN_2129505	CYBASC3	2.19E-04	0.86
ILMN_1697409	TNFRSF14	2.19E-04	0.72
ILMN_1802557	HEBP1	2.19E-04	0.66
ILMN_1654560	TLR6	2.23E-04	-0.64
ILMN_1737918	C1QA	2.25E-04	-0.59
ILMN_1664828	APOBEC3H	2.26E-04	-0.44
ILMN_1727284	CD4	2.36E-04	-0.47
ILMN_1689001	CDK4	2.36E-04	0.82
ILMN_1757347	C22orf9	2.36E-04	0.49
ILMN_1900661		2.39E-04	0.78
ILMN_1685824	B4GALT5	2.41E-04	0.81
ILMN_1772224	KCNJ5	2.43E-04	0.51
ILMN_1701947	GPR34	2.62E-04	-0.83
ILMN_2152828	KIF16B	2.66E-04	0.50

ILMN_1736939	UGCG	2.70E-04	0.90
ILMN_1718936	LST1	2.70E-04	-0.67
ILMN_1757845	SPIRE1	2.72E-04	0.73
ILMN_1783805	PNMA3	2.72E-04	0.35
ILMN_1745116	ABHD12	2.72E-04	0.68
ILMN_1654612	ZNF589	2.72E-04	0.63
ILMN_1784207	C1orf128	2.73E-04	0.93
ILMN_1781691	TRAK2	2.77E-04	0.69
ILMN_1665107	ITGB1BP1	2.77E-04	0.42
ILMN_1785902	C1QC	2.77E-04	-0.84
ILMN_1736982	PHACTR1	2.83E-04	0.67
ILMN_2329429	GIMAP6	2.84E-04	-0.65
ILMN_1798061	ZFYVE26	2.84E-04	0.67
ILMN_1717326	SLC29A3	2.87E-04	0.54
ILMN_1738578	FILIP1L	2.88E-04	-0.31
ILMN_1759326	P2RX7	2.89E-04	0.71
ILMN_3248591	LTBP2	2.89E-04	-0.31
ILMN_1692466	LOC728637	2.93E-04	-0.39
ILMN_1754894	C1orf162	2.93E-04	-0.75
ILMN_2154052	FVT1	2.93E-04	0.51
ILMN_1680996	ALOX5	2.94E-04	-0.70
ILMN_1682316	TRIM33	3.29E-04	0.63
ILMN_2392569	FPR2	3.29E-04	-0.69
ILMN_1795342	MLPH	3.29E-04	1.15
ILMN_1653618	ZZZ3	3.37E-04	0.77
ILMN_1803676	ENOSF1	3.37E-04	0.79
ILMN_1659544	STX3	3.37E-04	0.57
ILMN_1793201	HAGHL	3.38E-04	0.31
ILMN_1659027	SLC2A1	3.38E-04	0.67
ILMN_1701933	SNCA	3.39E-04	0.64
ILMN_1787815	TRIB3	3.45E-04	0.97
ILMN_1700690	VAT1	3.45E-04	0.79
ILMN_1787265	ZNF503	3.45E-04	-0.44
ILMN_3240900	LOC100134728	3.45E-04	-0.49
ILMN_3243705	PDXDC1	3.45E-04	0.86
ILMN_3193306	C14orf109	3.45E-04	0.92
ILMN_1711838	SLC25A24	3.45E-04	0.49
ILMN_2207562	C4orf16	3.48E-04	0.27
ILMN_1669409	VSIG4	3.48E-04	-0.83
ILMN_1693650	FES	3.56E-04	-0.60
ILMN_2052891	PKD2	3.56E-04	0.52
ILMN_1752755	VWF	3.57E-04	0.46
ILMN_1745811	TDRD3	3.58E-04	0.65
ILMN_2099277	HTRA4	3.60E-04	1.30
ILMN_1719433	CD1D	3.65E-04	-0.98
ILMN_1670145	DFNA5	3.65E-04	0.94

ILMN_1665945	ACBD3	3.65E-04	0.59
ILMN_2121408	HBEGF	3.66E-04	-0.61
ILMN_1711888	COBL	3.66E-04	0.72
ILMN_1790973	CDS2	3.66E-04	0.53
ILMN_1671516	CIR1	3.66E-04	0.78
ILMN_1865764		3.66E-04	-0.61
ILMN_2150196	LRRC25	3.67E-04	-0.49
ILMN_2326953	LAT2	3.67E-04	-0.70
ILMN_1701621	SCO2	3.69E-04	-0.58
ILMN_1772218	HLA-DPA1	3.76E-04	-0.63
ILMN_3250257	ACVRL1	3.76E-04	-0.57
ILMN_1757210	CALML4	3.76E-04	-0.48
ILMN_1772131	IL1R2	3.76E-04	-0.42
ILMN_2351930	TRIM33	3.76E-04	0.62
ILMN_1731433	ABP1	3.76E-04	-0.38
ILMN_2233539	SLC39A8	4.01E-04	-1.18
ILMN_1702501	RPS6KA2	4.07E-04	0.87
ILMN_3249667	LOC100133678	4.09E-04	-0.66
ILMN_1801443	TSKU	4.09E-04	0.81
ILMN_1748473	GIMAP4	4.14E-04	-0.61
ILMN_1906187		4.16E-04	0.34
ILMN_2092333	GPR141	4.21E-04	-0.44
ILMN_1783956	ATP8B4	4.23E-04	-0.67
ILMN_1769245	GLIPR1	4.23E-04	-0.61
ILMN_1795963	OKL38	4.24E-04	0.82
ILMN_1695423	CD9	4.25E-04	0.58
ILMN_2312340	LILRB2	4.25E-04	-0.72
ILMN_1689329	SCD	4.26E-04	0.85
ILMN_1752899	BCL11A	4.32E-04	0.70
ILMN_1704753	EPAS1	4.32E-04	0.56
ILMN_2075643	ANKRD29	4.35E-04	0.64
ILMN_1799024	VAC14	4.35E-04	0.53
ILMN_1773125	ENTPD1	4.65E-04	-0.52
ILMN_1804277	SPRED1	4.67E-04	-0.69
ILMN_1796216	VASH1	4.73E-04	-0.48
ILMN_3273209	FLJ10489	4.74E-04	0.34
ILMN_1791211	DOK2	4.74E-04	-0.80
ILMN_1807972	MICAL1	4.80E-04	0.51
ILMN_3237329	FNIP2	4.83E-04	0.50
ILMN_1678143	ARHGDI1B	4.83E-04	-0.52
ILMN_2342579	IL7R	4.84E-04	-0.86
ILMN_2138765	PLIN2	4.86E-04	0.66
ILMN_1688373	LST1	4.87E-04	-0.76
ILMN_3240586	PLD6	4.87E-04	0.52
ILMN_1689585	C20orf194	4.87E-04	0.54
ILMN_1726873	TPCN2	4.87E-04	0.57

ILMN_1684045	CDCA4	4.98E-04	0.43
ILMN_1659936	PPP1R15A	4.98E-04	0.62
ILMN_1667371	SLA	4.98E-04	-0.60
ILMN_1735910	VMO1	4.98E-04	-0.82
ILMN_1727309	FAM82A2	4.99E-04	0.54
ILMN_1739792	RHOG	5.01E-04	-0.57
ILMN_1707088	DENND2D	5.01E-04	0.60
ILMN_2048607	ANKRD9	5.01E-04	0.58
ILMN_1717056	TXNRD1	5.01E-04	0.83
ILMN_1749070	HLA-DPB1	5.23E-04	-0.31
ILMN_1791647	ASIP	5.23E-04	0.48
ILMN_2140990	CAMK1	5.23E-04	-0.57
ILMN_2137536	ZZZ3	5.23E-04	0.77
ILMN_1797875	ALOX5AP	5.23E-04	-0.93
ILMN_1656045	BRUNOL6	5.23E-04	0.32
ILMN_2253732	ST8SIA4	5.25E-04	-0.67
ILMN_1668012	SLC25A13	5.27E-04	0.44
ILMN_1804938	GPR175	5.29E-04	0.69
ILMN_2313782	ATG4A	5.33E-04	0.59
ILMN_1777519	ITGB7	5.34E-04	-0.86
ILMN_1701906	CD300C	5.44E-04	-0.53
ILMN_3289508	LOC339192	5.45E-04	-0.43
ILMN_1652825	IL10RA	5.55E-04	-0.55
ILMN_1715024	LSS	5.58E-04	0.76
ILMN_2379644	CD74	5.58E-04	-0.62
ILMN_2365465	XBP1	5.58E-04	0.60
ILMN_1701386	STRADB	5.58E-04	0.52
ILMN_2152131	ACTB	5.58E-04	-0.66
ILMN_1709204	CLEC4A	5.58E-04	-0.71
ILMN_2125747	LOC606724	5.60E-04	-0.82
ILMN_1793287	LOC642755	5.60E-04	0.66
ILMN_1764321	ACOT4	5.79E-04	0.50
ILMN_1775962	MCOLN3	5.81E-04	0.49
ILMN_2212763	ICAM3	5.90E-04	-0.50
ILMN_1670134	FADS1	5.91E-04	0.46
ILMN_1658628	C14orf72	5.97E-04	0.23
ILMN_1681252	C17orf44	6.04E-04	-0.42
ILMN_1755075	IDI1	6.18E-04	0.50
ILMN_1757186	GIMAP1	6.19E-04	-0.65
ILMN_1738552	SLC1A3	6.19E-04	0.67
ILMN_1686109	CCL23	6.21E-04	-0.73
ILMN_2109197	EPB41L3	6.21E-04	-0.60
ILMN_2083469	IRS2	6.21E-04	0.84
ILMN_1741350	CEP70	6.28E-04	0.24
ILMN_2399300	NAV2	6.28E-04	0.58
ILMN_1806908	PRKCB1	6.28E-04	0.55

ILMN_2089329	SPRY2	6.28E-04	-0.58
ILMN_1747305	GIMAP8	6.28E-04	-0.64
ILMN_1661622	TBC1D7	6.28E-04	0.53
ILMN_1812278	LY9	6.30E-04	0.86
ILMN_1659352	KCNK13	6.32E-04	-0.66
ILMN_2053415	LDLR	6.32E-04	0.87
ILMN_1676893	ADCY3	6.41E-04	0.75
ILMN_1703955	FBXO32	6.42E-04	0.81
ILMN_1723706	GRAMD4	6.42E-04	0.46
ILMN_1714170	SPSB1	6.42E-04	0.45
ILMN_1654819	ZNF589	6.57E-04	0.43
ILMN_1671554	LPIN1	6.62E-04	0.53
ILMN_1744968	KCNAB1	6.66E-04	0.51
ILMN_1676213	SRPX2	6.72E-04	-0.32
ILMN_1696622	SLC38A6	6.76E-04	0.52
ILMN_1742544	MEF2C	6.81E-04	-0.62
ILMN_1668063	FCN1	6.81E-04	-1.03
ILMN_1685703	ACOX2	6.85E-04	-0.74
ILMN_1679620	LOC728519	6.95E-04	-0.58
ILMN_1786823	ICAM2	6.95E-04	-0.44
ILMN_1800078	LMO2	6.95E-04	-0.75
ILMN_1662618	SQSTM1	6.97E-04	0.49
ILMN_3235964	HSPA7	6.97E-04	-0.52
ILMN_1726245	TGFBR2	6.99E-04	-0.63
ILMN_1689655	HLA-DRA	7.00E-04	-0.56
ILMN_1693452	GAL3ST4	7.00E-04	-0.97
ILMN_1664718	CYP51A1	7.09E-04	0.54
ILMN_2401873	DUSP10	7.15E-04	0.56
ILMN_1872457		7.29E-04	0.36
ILMN_1807919	TNS1	7.29E-04	0.49
ILMN_1669617	GRB10	7.29E-04	0.50
ILMN_1657871	RSAD2	7.33E-04	0.86
ILMN_1727194	CALU	7.33E-04	0.51
ILMN_1863994		7.39E-04	0.29
ILMN_1727709	GPBAR1	7.47E-04	-0.81
ILMN_1777296	ACTB	7.50E-04	-0.97
ILMN_1798204	IL21R	7.61E-04	-0.37
ILMN_1714417	PSEN2	7.61E-04	0.58
ILMN_1756937	ST8SIA4	7.93E-04	-0.49
ILMN_1801043	GSN	7.96E-04	-0.50
ILMN_1680109	COL4A3BP	7.96E-04	0.64
ILMN_1702320	JAKMIP2	8.21E-04	0.71
ILMN_2290118	MEGF9	8.21E-04	-0.59
ILMN_1743367	FZD4	8.22E-04	0.23
ILMN_3245458	SNORA61	8.27E-04	0.47
ILMN_1710075	FAM89A	8.33E-04	0.53

ILMN_2200917	SLC4A7	8.39E-04	-0.78
ILMN_1761199	SLCO2B1	8.51E-04	-0.70
ILMN_1687306	LGALS2	8.51E-04	-0.56
ILMN_1738866	DEXI	8.62E-04	0.62
ILMN_1735275	WDSUB1	8.86E-04	0.52
ILMN_1691846	G0S2	8.86E-04	0.34
ILMN_1754865	LOC400455	8.86E-04	0.56
ILMN_2172174	NP	8.86E-04	-0.45
ILMN_2169490	TDRD9	8.86E-04	0.54
ILMN_1735827	NISCH	8.86E-04	-0.69
ILMN_1781580	BRI3	8.86E-04	0.50
ILMN_1716596	NSMAF	8.86E-04	0.52
ILMN_1693210	NSMCE2	8.91E-04	0.47
ILMN_2394161	ST8SIA4	8.91E-04	-0.35
ILMN_1768814	KLHL6	8.91E-04	0.52
ILMN_1814194	TCF4	8.91E-04	-0.42
ILMN_2337263	PKIB	8.91E-04	-0.43
ILMN_1770085	BTG2	8.94E-04	-0.45
ILMN_1815552	NTAN1	9.13E-04	0.69
ILMN_1727466	KCNMB4	9.17E-04	-0.41
ILMN_1727862	HPS4	9.29E-04	0.29
ILMN_2355033	KIAA1147	9.35E-04	-0.49
ILMN_1682459	TUBB4	9.35E-04	0.40
ILMN_1800739	SPINT2	9.35E-04	-0.65
ILMN_2387952	FAM134B	9.43E-04	0.76
ILMN_2054297	PTGS2	9.71E-04	-0.46
ILMN_1679929	KLF13	9.75E-04	-0.60
ILMN_1697309	NCF1	9.75E-04	-0.59
ILMN_1770610	MERTK	9.83E-04	-0.62
ILMN_1720270	CDR2	9.88E-04	0.48
ILMN_1687301	VCAN	9.88E-04	-0.54
ILMN_1810199	ASRGL1	9.93E-04	0.40
ILMN_1720965	TULP4	9.93E-04	0.47
ILMN_1694731	CLCN7	1.00E-03	0.45
ILMN_1714765	LOC389599	1.00E-03	0.43
ILMN_1704531	PTGR1	1.00E-03	0.55
ILMN_1767349	ABCB4	1.01E-03	-0.24
ILMN_1653712	UAP1L1	1.02E-03	0.37
ILMN_2400326	DYRK3	1.02E-03	0.39
ILMN_1689518	PECAM1	1.03E-03	-0.43
ILMN_1766487	LRRRC25	1.03E-03	-0.47
ILMN_1725312	RASA1	1.03E-03	-0.56
ILMN_2297710	PLEKHB2	1.04E-03	0.55
ILMN_1659285	PSMG1	1.05E-03	0.44
ILMN_1702301	DOCK10	1.05E-03	-0.50
ILMN_1700610	CLEC7A	1.06E-03	-0.50

ILMN_1705047	TLR8	1.09E-03	-0.39
ILMN_1741392	SLC25A20	1.09E-03	-0.49
ILMN_2157441	HLA-DRA	1.10E-03	-0.49
ILMN_1768181	TOR3A	1.10E-03	0.61
ILMN_1719986	PIK3IP1	1.10E-03	0.52
ILMN_1785161	CHCHD6	1.10E-03	0.53
ILMN_1712026	NLRP3	1.10E-03	-0.53
ILMN_1711408	ANXA4	1.11E-03	0.33
ILMN_1713679	MREG	1.11E-03	0.35
ILMN_1802106	APOBEC3G	1.14E-03	-0.48
ILMN_1659801	ATP6V1C1	1.14E-03	0.44
ILMN_1719867	RNF13	1.14E-03	0.56
ILMN_1656057	PLAU	1.14E-03	0.64
ILMN_1691410	BAMBI	1.16E-03	0.54
ILMN_1766165	SNCA	1.16E-03	0.54
ILMN_1707585	SLC46A2	1.17E-03	-0.41
ILMN_1698209	AGPS	1.17E-03	0.57
ILMN_2185845	BRSK1	1.17E-03	-0.53
ILMN_1811364	SGPP2	1.17E-03	0.51
ILMN_2316386	GPBAR1	1.19E-03	-0.82
ILMN_2400322	DYRK3	1.19E-03	0.31
ILMN_1744212	INPP5D	1.19E-03	-0.51
ILMN_2329914	SPRY1	1.19E-03	0.40
ILMN_1808769	C1orf97	1.19E-03	-0.37
ILMN_1708611	RDX	1.20E-03	0.70
ILMN_1890253		1.20E-03	0.35
ILMN_1697652	PLEKHB2	1.23E-03	0.39
ILMN_1713934	LITAF	1.23E-03	0.56
ILMN_1694268	HES6	1.23E-03	0.67
ILMN_1692785	KLHL21	1.25E-03	0.39
ILMN_1666049	NUP214	1.25E-03	-0.46
ILMN_1803811	TRIB1	1.25E-03	-0.62
ILMN_1787127	SLC43A2	1.26E-03	-0.51
ILMN_1815023	PIM1	1.26E-03	0.60
ILMN_3229324	SGK1	1.27E-03	0.70
ILMN_1695475	SEMA3C	1.27E-03	0.41
ILMN_1785345	GPR84	1.28E-03	-0.57
ILMN_1733390	LARP1B	1.30E-03	0.31
ILMN_1701195	PLA2G7	1.32E-03	0.43
ILMN_1725791	PTPLA	1.32E-03	0.48
ILMN_1796335	LPCAT2	1.33E-03	-0.56
ILMN_1695711	FAM105A	1.34E-03	-0.49
ILMN_2067656	CCND2	1.34E-03	-0.40
ILMN_1710962	TMEM97	1.34E-03	0.50
ILMN_1764090	AK3L1	1.34E-03	0.41
ILMN_1721136	H6PD	1.34E-03	-0.34

ILMN_1680782	PATL1	1.34E-03	0.50
ILMN_1705302	FCGRT	1.34E-03	-0.51
ILMN_2165867	DHCR7	1.35E-03	0.38
ILMN_1772786	KIF16B	1.35E-03	0.36
ILMN_1813561	SCIN	1.35E-03	0.66
ILMN_1654370	TESK2	1.35E-03	0.32
ILMN_1910120	LOC730092	1.35E-03	0.72
ILMN_1726704	RSC1A1	1.36E-03	0.33
ILMN_1754076	CACNA2D3	1.36E-03	-0.62
ILMN_1812759	GCH1	1.36E-03	-0.45
ILMN_1797293	SIGLEC15	1.36E-03	0.39
ILMN_2145280	DEF6	1.37E-03	-0.71
ILMN_1730628	RNASE2	1.38E-03	-0.64
ILMN_2401258	FAM13A	1.38E-03	-0.53
ILMN_1739032	TMEM70	1.39E-03	0.34
ILMN_1712082	GCNT3	1.39E-03	0.56
ILMN_1724609	SLC2A8	1.39E-03	0.46
ILMN_1663257	ATP6V1C1	1.41E-03	0.33
ILMN_1727402	HCLS1	1.42E-03	-0.63
ILMN_2318685	ABHD12	1.42E-03	0.41
ILMN_1655244	LOC642755	1.42E-03	0.58
ILMN_1726981	VEGFB	1.43E-03	0.51
ILMN_1768505	IL13RA1	1.44E-03	-0.50
ILMN_1801077	PLIN2	1.46E-03	0.57
ILMN_1711608	SSBP2	1.46E-03	-0.28
ILMN_1785821	TTRAP	1.46E-03	0.50
ILMN_1793950	P704P	1.48E-03	-0.40
ILMN_1748093	PAFAH1B3	1.48E-03	0.50
ILMN_1798543	STK17B	1.49E-03	-0.40
ILMN_1758034	ETFDH	1.51E-03	-0.38
ILMN_1712532	CARD9	1.51E-03	-0.88
ILMN_1651705	CAT	1.53E-03	-0.48
ILMN_1683859	SLC7A1	1.53E-03	0.47
ILMN_1701248	TREM2	1.53E-03	-0.46
ILMN_1734353	GPX4	1.55E-03	0.41
ILMN_1811909	LOC402221	1.55E-03	-0.91
ILMN_2341611	CDCP1	1.56E-03	-0.24
ILMN_1700432	ITPKB	1.56E-03	0.30
ILMN_1692535	DPP4	1.59E-03	0.60
ILMN_1686989	INSIG1	1.59E-03	0.50
ILMN_1731048	TLR1	1.59E-03	-0.50
ILMN_1696974	ANG	1.60E-03	-0.43
ILMN_1657111	C14orf78	1.60E-03	0.32
ILMN_1756784	FREQ	1.60E-03	0.46
ILMN_2339835	PTGS1	1.60E-03	-0.49
ILMN_1778161	DNAJC25	1.60E-03	0.37

ILMN_2312194	CYB5A	1.61E-03	0.50
ILMN_1704985	CYP27A1	1.62E-03	0.77
ILMN_2094266	HES2	1.62E-03	0.62
ILMN_1801307	TNFSF10	1.62E-03	-0.51
ILMN_1782050	CEBPD	1.62E-03	-0.49
ILMN_2207561	C4orf16	1.62E-03	0.24
ILMN_2184373	IL8	1.62E-03	0.68
ILMN_1655987	STAB1	1.63E-03	-0.88
ILMN_2291954	SLA	1.63E-03	-0.39
ILMN_1808047	PHC2	1.63E-03	-0.34
ILMN_1767934	PCSK5	1.63E-03	-0.38
ILMN_2332964	LGMN	1.64E-03	0.43
ILMN_1758864	VNN2	1.64E-03	-0.72
ILMN_1808783	STRBP	1.64E-03	0.44
ILMN_1791569	PLXNA1	1.65E-03	0.42
ILMN_1809483	HSD17B14	1.65E-03	0.52
ILMN_1702899	PLEKHA7	1.65E-03	-0.27
ILMN_1687751	BAALC	1.65E-03	0.21
ILMN_1765557	OLFML2B	1.66E-03	-0.47
ILMN_1699772	RRAGD	1.66E-03	0.51
ILMN_1663631	BANP	1.66E-03	0.82
ILMN_1672589	SEMA4B	1.67E-03	-0.36
ILMN_1718769	ITSN1	1.74E-03	-0.60
ILMN_1657892	TLR8	1.76E-03	-0.44
ILMN_1800626	SESN1	1.76E-03	-0.32
ILMN_1671451	LOC654201	1.76E-03	0.27
ILMN_1658121	CFP	1.77E-03	-0.19
ILMN_1758323	ACPP	1.78E-03	-0.29
ILMN_3241378	LOC728448	1.79E-03	0.44
ILMN_1749338	ANKRD29	1.79E-03	0.31
ILMN_1803652	C9orf91	1.81E-03	0.41
ILMN_1763828	MTF1	1.81E-03	-0.47
ILMN_2377496	ERCC1	1.81E-03	-0.40
ILMN_2381899	OPTN	1.82E-03	0.53
ILMN_2180677	ARMCX1	1.83E-03	0.43
ILMN_1771800	PRKCA	1.83E-03	-0.46
ILMN_2232712	MYO10	1.83E-03	0.39
ILMN_2202637	CRY1	1.84E-03	0.38
ILMN_1768595	DLG4	1.88E-03	-0.33
ILMN_1672878	ABR	1.88E-03	0.54
ILMN_1843198		1.90E-03	0.43
ILMN_1667068	ZC3HAV1	1.91E-03	-0.45
ILMN_1717052	STARD10	1.94E-03	0.31
ILMN_2134974	RAB38	1.94E-03	0.57
ILMN_2415329	SULT1C2	1.95E-03	0.21
ILMN_2246661	FAHD1	1.96E-03	0.48

ILMN_1685625	UCP2	1.98E-03	-0.47
ILMN_1799889	ATP6V0D2	1.98E-03	0.74
ILMN_1664631	ADAM28	1.98E-03	-0.30
ILMN_1795183	RNASE1	1.99E-03	-0.43
ILMN_1681101	42064	1.99E-03	-0.70
ILMN_1736863	TMEM140	1.99E-03	0.56
ILMN_1882512		2.00E-03	0.28
ILMN_2285817	FAM89A	2.00E-03	0.37
ILMN_2094396	LRRRC8C	2.00E-03	-0.38
ILMN_1749071	CNIH3	2.02E-03	0.37
ILMN_1748915	S100A12	2.04E-03	-0.36
ILMN_1747622	CD33	2.05E-03	-0.52
ILMN_1701216	BANP	2.07E-03	0.72
ILMN_1812618	ARAP3	2.07E-03	-0.40
ILMN_2093343	PLAC8	2.11E-03	-1.06
ILMN_1711102	B3GNT2	2.12E-03	0.44
ILMN_1753183	CDCA4	2.13E-03	0.33
ILMN_2294762	AMY1A	2.14E-03	-0.66
ILMN_1723260	ETV5	2.14E-03	-0.44
ILMN_1681301	AIM2	2.14E-03	-0.50
ILMN_1755364	RALA	2.14E-03	0.65
ILMN_1771688	RAB7B	2.14E-03	-0.40
ILMN_2323992	CLEC7A	2.14E-03	-0.55
ILMN_1680344	MYOM1	2.18E-03	-0.34
ILMN_1746846	TTLL4	2.18E-03	0.34
ILMN_1752947	C17orf79	2.18E-03	0.45
ILMN_1742167	TUBA1C	2.18E-03	-0.47
ILMN_1730032	BOK	2.19E-03	0.46
ILMN_1801864	LOC730455	2.19E-03	0.57
ILMN_1695759	AMDHD2	2.21E-03	0.39
ILMN_3279712	LOC642590	2.22E-03	0.52
ILMN_2305544	DBI	2.25E-03	0.40
ILMN_1753135	ALK	2.25E-03	1.14
ILMN_1651296	LOC143666	2.25E-03	0.21
ILMN_1766896	ZDHHC19	2.28E-03	0.32
ILMN_1706498	DSE	2.34E-03	-0.52
ILMN_2376520	PPP2R3A	2.34E-03	-0.26
ILMN_2294978	RNASE4	2.37E-03	-0.40
ILMN_1809417	LRFN4	2.38E-03	0.19
ILMN_1799848	ANKRD22	2.41E-03	-0.41
ILMN_2207504	LEP	2.41E-03	1.62
ILMN_2097858	KIAA1737	2.42E-03	0.41
ILMN_1755974	ALDOC	2.43E-03	0.45
ILMN_3306997	METTTL1	2.46E-03	0.40
ILMN_1698019	LGMN	2.48E-03	0.36
ILMN_2115434	RAB32	2.48E-03	0.42

ILMN_1696317	CACNA2D4	2.49E-03	-0.33
ILMN_1652677	FAM89A	2.56E-03	0.32
ILMN_1674243	TFRC	2.57E-03	0.87
ILMN_1722855	VEGFB	2.60E-03	0.34
ILMN_1717934	SYT11	2.60E-03	-0.43
ILMN_1744113	TNFAIP8L2	2.62E-03	-0.44
ILMN_2160476	CCL22	2.62E-03	-0.53
ILMN_1792518	STX7	2.64E-03	0.51
ILMN_1682312	CYBB	2.64E-03	-0.54
ILMN_1709820	AOAH	2.68E-03	-0.57
ILMN_3247506	FCGR1C	2.71E-03	-0.39
ILMN_1751075	SETD4	2.72E-03	0.20
ILMN_1713603	PRKCB1	2.74E-03	0.31
ILMN_1676984	DDIT3	2.74E-03	0.79
ILMN_2112988	NCF1C	2.74E-03	-0.46
ILMN_3251217	PDXDC2	2.76E-03	0.27
ILMN_1666932	FCGR2A	2.76E-03	-0.59
ILMN_2401878	DUSP10	2.78E-03	0.45
ILMN_1733515	LOXL3	2.78E-03	-0.36
ILMN_1704084	CMAH	2.79E-03	-0.20
ILMN_1712389	CKLF	2.80E-03	-0.52
ILMN_2401253	FAM13A	2.80E-03	-0.29
ILMN_1777061	ZSWIM6	2.82E-03	-0.46
ILMN_2148785	GBP1	2.83E-03	-0.69
ILMN_1711223	LOC649362	2.85E-03	-0.56
ILMN_1678353	FARP1	2.85E-03	0.29
ILMN_1761159	ESYT1	2.89E-03	0.40
ILMN_1807662	IGF2R	2.96E-03	0.44
ILMN_1786273	C1orf122	2.96E-03	-0.38
ILMN_1801710	APBB1IP	2.96E-03	-0.38
ILMN_1721833	IER5	2.97E-03	-0.43
ILMN_3307926	ADRBK1	2.97E-03	-0.47
ILMN_1788024	PCID2	3.00E-03	0.46
ILMN_1734543	PTPRE	3.03E-03	-0.41
ILMN_1797522	DUSP3	3.06E-03	0.49
ILMN_1736597	TKT	3.06E-03	0.43
ILMN_1700143	FRMD4B	3.06E-03	-0.39
ILMN_1703074	CPD	3.06E-03	0.44
ILMN_1774077	GBP2	3.11E-03	-0.41
ILMN_1788283	COTL1	3.15E-03	-0.55
ILMN_1685057	SLC22A4	3.15E-03	-0.31
ILMN_1670870	ALCAM	3.15E-03	-0.43
ILMN_1702389	ZC3H3	3.15E-03	0.35
ILMN_1758623	HIST1H2BD	3.16E-03	-0.50
ILMN_2198812	FDX1	3.16E-03	0.39
ILMN_1677946	LOC653764	3.16E-03	0.25

ILMN_1756862	APOL3	3.17E-03	-0.39
ILMN_1704537	PHGDH	3.18E-03	0.84
ILMN_1708167	CDCP1	3.19E-03	-0.22
ILMN_1752526	RNF144B	3.23E-03	-0.33
ILMN_2221046	GM2A	3.28E-03	0.56
ILMN_2324672	USF2	3.28E-03	0.47
ILMN_3248263	CCDC93	3.28E-03	0.41
ILMN_1771019	MTMR4	3.30E-03	0.37
ILMN_1704369	LIMA1	3.31E-03	-0.44
ILMN_2087656	SLCO2B1	3.32E-03	-0.49
ILMN_1675186	ME2	3.32E-03	-0.49
ILMN_1683923	MT1H	3.39E-03	-0.54
ILMN_1676480	LOC654053	3.42E-03	-0.26
ILMN_1697554	SASH3	3.44E-03	-0.48
ILMN_1805643	RILPL1	3.44E-03	0.47
ILMN_1740742	UROD	3.45E-03	0.47
ILMN_1776649	LRRK2	3.45E-03	-0.49
ILMN_1809433	XBP1	3.49E-03	0.51
ILMN_3235221	LOC644936	3.49E-03	-0.91
ILMN_1763447	PLXNB2	3.53E-03	-0.38
ILMN_1795918	CENTG3	3.53E-03	0.34
ILMN_1769388	GJB2	3.55E-03	0.95
ILMN_1681503	MCM2	3.63E-03	0.19
ILMN_2275742	DNASE2B	3.64E-03	0.44
ILMN_1750256	ALS2	3.66E-03	0.39
ILMN_1758798	LOC728734	3.66E-03	0.30
ILMN_1683475	TOMM40	3.66E-03	0.56
ILMN_2050654	SAV1	3.67E-03	0.27
ILMN_1760778	ENG	3.68E-03	-0.49
ILMN_1783023	C5orf51	3.70E-03	0.38
ILMN_1719696	PLD1	3.70E-03	0.38
ILMN_1654118	BCL2L1	3.76E-03	0.40
ILMN_1712628	GTF2IRD1	3.78E-03	0.19
ILMN_3239965	IDO1	3.78E-03	-0.60
ILMN_3198367	LOC646347	3.78E-03	0.58
ILMN_1803788	LGALS3	3.78E-03	0.61
ILMN_1779264	PSMG1	3.78E-03	0.34
ILMN_1801616	EMP1	3.78E-03	0.55
ILMN_3261938	LOC100130154	3.78E-03	-0.37
ILMN_1685005	TNFRSF1A	3.78E-03	-0.40
ILMN_1663042	SDC4	3.78E-03	0.30
ILMN_2358069	MAD1L1	3.84E-03	0.43
ILMN_3190833	CCRL2	3.84E-03	0.58
ILMN_1760121	RRAGC	3.87E-03	0.44
ILMN_1766079	SULT1C2	3.91E-03	0.22
ILMN_1794011	CHST2	3.95E-03	-0.38

ILMN_1741171	TM2D2	3.96E-03	-0.31
ILMN_3305938	SGK1	3.98E-03	0.61
ILMN_1737406	KLF6	3.98E-03	0.56
ILMN_1780057	RENBP	3.99E-03	0.43
ILMN_2368773	FAM3C	4.03E-03	0.29
ILMN_1675797	EPDR1	4.03E-03	0.51
ILMN_1752579	ATP6V0A1	4.03E-03	0.36
ILMN_1703558	FHL3	4.03E-03	-0.31
ILMN_1775330	C15orf52	4.03E-03	0.40
ILMN_2261600	FCGR1B	4.03E-03	-0.49
ILMN_1677768	POR	4.08E-03	0.42
ILMN_1785071	SEPP1	4.10E-03	-0.49
ILMN_1683658	FKBP1A	4.11E-03	-0.35
ILMN_1788192	ARMCX1	4.13E-03	0.48
ILMN_1741727	QPCT	4.14E-03	-0.50
ILMN_2136089	MTE	4.14E-03	-0.61
ILMN_1713751	ADAM19	4.15E-03	-0.72
ILMN_2345898	SLA	4.15E-03	-0.46
ILMN_1672660	MBP	4.15E-03	0.40
ILMN_2400922	OPRL1	4.18E-03	-0.51
ILMN_1710078	TMEM181	4.19E-03	0.40
ILMN_1665510	ERRFI1	4.19E-03	0.30
ILMN_1705985	PIGA	4.21E-03	0.36
ILMN_1769705	LOC440093	4.21E-03	-0.39
ILMN_1801236	SPG20	4.23E-03	0.25
ILMN_1677736	TMEM104	4.25E-03	0.17
ILMN_1699856	RALGDS	4.26E-03	0.48
ILMN_1715273	PICALM	4.26E-03	-0.42
ILMN_1800091	RARRES1	4.30E-03	0.45
ILMN_1738656	GLOD4	4.31E-03	0.37
ILMN_1714167	CYB5A	4.31E-03	0.45
ILMN_1730660	GALIG	4.35E-03	0.30
ILMN_1762594	NOD2	4.35E-03	-0.32
ILMN_1687284	USP12	4.35E-03	0.27
ILMN_2093980	TMEM38B	4.35E-03	0.20
ILMN_1666733	IL8	4.36E-03	0.80
ILMN_1758281	CALCRL	4.38E-03	-0.24
ILMN_1762529	SLC12A8	4.40E-03	0.59
ILMN_2053178	ACTG1	4.40E-03	-0.53
ILMN_1743711	LOC650215	4.41E-03	0.53
ILMN_1758128	CYGB	4.41E-03	0.31
ILMN_2309180	SMARCD3	4.41E-03	0.33
ILMN_1673548	HSPC159	4.44E-03	0.22
ILMN_1755658	ABI3	4.45E-03	-0.42
ILMN_2098446	PMAIP1	4.45E-03	-0.30
ILMN_1768812	FXVD6	4.50E-03	0.40

ILMN_2106725	NCF1B	4.50E-03	-0.26
ILMN_1660364	PSCD4	4.51E-03	-0.38
ILMN_1808405	HLA-DQA1	4.53E-03	-0.53
ILMN_1746408	MIDN	4.57E-03	-0.39
ILMN_2337655	WARS	4.57E-03	0.50
ILMN_1792922	SOD2	4.58E-03	0.30
ILMN_1692539	SH3BP1	4.62E-03	-0.34
ILMN_2043809	PFKM	4.64E-03	0.73
ILMN_1678579	CPT2	4.64E-03	-0.40
ILMN_1718977	GADD45B	4.66E-03	0.30
ILMN_1802100	ADAM28	4.67E-03	-0.29
ILMN_2063925	CTNBL1	4.69E-03	0.46
ILMN_1770824	ARHGAP4	4.70E-03	-0.51
ILMN_1786041	ASB9	4.72E-03	-0.20
ILMN_1743032	CTSS	4.72E-03	0.41
ILMN_1811110	TDRD9	4.72E-03	0.37
ILMN_2138589	MERTK	4.72E-03	-0.54
ILMN_1805098	PDE1B	4.72E-03	-0.20
ILMN_1793410	SNTB1	4.74E-03	0.49
ILMN_1746673	42250	4.74E-03	0.31
ILMN_2168217	EBI2	4.74E-03	0.54
ILMN_1798706	EBI2	4.75E-03	0.55
ILMN_1709484	BLM	4.75E-03	0.18
ILMN_1660086	MYH11	4.75E-03	-0.28
ILMN_2145116	TMEM173	4.79E-03	-0.56
ILMN_3251436	DENND4C	4.80E-03	0.27
ILMN_1768534	BHLHB2	4.81E-03	0.55
ILMN_1810100	PBX3	4.82E-03	0.40
ILMN_1749006	RCSD1	4.83E-03	-0.38
ILMN_3294322	LOC441009	4.86E-03	-0.32
ILMN_1674394	C2orf3	4.86E-03	-0.33
ILMN_1736327	CDC42EP3	4.86E-03	0.13
ILMN_1800837	CFDP1	4.86E-03	0.36
ILMN_1787657	CLDN12	4.86E-03	0.34
ILMN_1743933	TSHZ3	4.86E-03	-0.44
ILMN_2348487	EMR3	4.90E-03	-0.39
ILMN_1724407	TACC3	4.95E-03	-0.38
ILMN_1768553	LOC283050	4.95E-03	0.45
ILMN_2311989	CUTA	4.95E-03	0.36
ILMN_1713124	AKR1C3	4.95E-03	0.46
ILMN_1812688	C2orf18	4.95E-03	0.35
ILMN_1752046	SH2B3	4.95E-03	-0.50
ILMN_1792885	CTSC	4.98E-03	-0.41
ILMN_1784709	GNPDA1	4.98E-03	0.43
ILMN_1675191	GAPT	4.98E-03	-0.87
ILMN_2076463	SLC15A4	4.99E-03	0.39

ILMN_3192446	LOC100128410	5.00E-03	0.27
ILMN_1785202	STAT4	5.05E-03	-0.51
ILMN_2073604	EBP	5.09E-03	0.29
ILMN_1708743	NT5DC2	5.09E-03	-0.27
ILMN_1764964	IFNGR2	5.09E-03	-0.42
ILMN_1715131	CCR7	5.09E-03	0.50
ILMN_1804988	MOAP1	5.09E-03	0.43
ILMN_1742547	NRP1	5.09E-03	-0.32
ILMN_3237850	C5orf51	5.09E-03	0.45
ILMN_1784553	SDC2	5.09E-03	-0.33
ILMN_2361603	NDRG2	5.09E-03	-0.59
ILMN_1756590	SYS1	5.09E-03	0.38
ILMN_1659029	FAM116B	5.11E-03	-0.37
ILMN_1751941	LOC728772	5.17E-03	-0.43
ILMN_1669881	TSPAN13	5.20E-03	-0.31
ILMN_2391150	FILIP1L	5.24E-03	-0.21
ILMN_1766637	GLA	5.24E-03	0.45
ILMN_2406501	SOD2	5.24E-03	0.60
ILMN_1737255	C22orf36	5.24E-03	0.14
ILMN_3299520	PRKCB	5.24E-03	0.35
ILMN_2338452	SERPINA1	5.24E-03	-0.43
ILMN_2379967	FCAR	5.24E-03	-0.29
ILMN_1701114	GBP1	5.24E-03	-0.56
ILMN_1727798	MOSPD1	5.24E-03	0.31
ILMN_2357438	AURKA	5.25E-03	-0.28
ILMN_2132599	ANKRD22	5.27E-03	-0.47
ILMN_1784320	ELMO1	5.27E-03	-0.34
ILMN_2409384	SIGLEC7	5.28E-03	-0.31
ILMN_1696294	SNX6	5.29E-03	-0.17
ILMN_1811330	FAM134B	5.33E-03	0.56
ILMN_1738554	LOC647346	5.33E-03	0.30
ILMN_1666545	GCNT1	5.33E-03	-0.77
ILMN_2050911	SLC22A4	5.48E-03	-0.33
ILMN_2225537	PTGR1	5.50E-03	0.59
ILMN_1751901	TMEM163	5.50E-03	0.50
ILMN_1655068	TOM1L2	5.54E-03	0.30
ILMN_1762713	C19orf59	5.54E-03	-0.34
ILMN_1655702	ABHD5	5.59E-03	0.42
ILMN_2398107	ASNS	5.68E-03	0.27
ILMN_1809467	VAMP5	5.69E-03	-0.51
ILMN_1772387	TLR2	5.69E-03	-0.30
ILMN_1743538	MLLT10	5.70E-03	0.31
ILMN_1675656	PPFIBP2	5.71E-03	0.35
ILMN_2234697	BEX1	5.74E-03	-0.58
ILMN_1726327	AMY1B	5.74E-03	-0.35
ILMN_2292123	COL4A3BP	5.74E-03	0.32

ILMN_1722622	CD163	5.77E-03	-0.57
ILMN_1789130	DNASE2B	5.77E-03	0.34
ILMN_1772292	LOC653752	5.84E-03	0.20
ILMN_3243928	DDX60L	5.84E-03	0.32
ILMN_1715809	OGFRL1	5.84E-03	0.34
ILMN_1808354	SLC4A7	5.89E-03	-0.36
ILMN_1800602	GCA	5.92E-03	-0.41
ILMN_1675584	HTRA4	5.97E-03	0.29
ILMN_1743275	SH3RF3	5.98E-03	0.28
ILMN_1694780	GCHFR	5.99E-03	0.53
ILMN_1703969	KIAA0251	5.99E-03	0.32
ILMN_1693410	BRI3BP	6.00E-03	-0.28
ILMN_3210914	LOC344887	6.00E-03	0.25
ILMN_1652736	RPS6KA3	6.00E-03	-0.34
ILMN_1714278	C9orf30	6.00E-03	0.48
ILMN_1864166		6.00E-03	-0.19
ILMN_1716276	CCL4L2	6.01E-03	-0.53
ILMN_1777233	E2F2	6.02E-03	0.49
ILMN_3199755	LOC646821	6.02E-03	-0.33
ILMN_1814022	NR1H3	6.04E-03	0.43
ILMN_2082314	TOM1	6.26E-03	0.37
ILMN_1721977	ARD1A	6.26E-03	-0.31
ILMN_1653220	PITPNM1	6.26E-03	-0.31
ILMN_1705570	H2AFY2	6.26E-03	0.38
ILMN_2404154	SERPINA1	6.26E-03	-0.43
ILMN_1723962	LXN	6.28E-03	0.61
ILMN_1790533	PHACTR2	6.28E-03	-0.33
ILMN_1811029	TLK1	6.28E-03	0.31
ILMN_2176063	FCGR1A	6.29E-03	-0.42
ILMN_1730710	ADORA3	6.29E-03	-0.96
ILMN_1715214	PTPN7	6.29E-03	-0.29
ILMN_2174574	HNRNPA3P1	6.30E-03	-0.27
ILMN_1796349	SMPDL3A	6.31E-03	-0.43
ILMN_2267787	HPS1	6.34E-03	0.42
ILMN_1805902	ELA1	6.34E-03	-0.23
ILMN_2337740	TULP4	6.34E-03	0.31
ILMN_1677085	RGS19	6.40E-03	-0.50
ILMN_1810584	IL1R1	6.40E-03	0.41
ILMN_1712390	CUTA	6.45E-03	0.43
ILMN_1842850		6.46E-03	0.21
ILMN_2277676	ERCC1	6.47E-03	-0.38
ILMN_2078592	C6orf105	6.49E-03	0.24
ILMN_1711617	GMFG	6.56E-03	-0.47
ILMN_1770290	CNN2	6.56E-03	-0.51
ILMN_1794074	MXI1	6.56E-03	0.20
ILMN_1659470	PBRM1	6.56E-03	0.33

ILMN_1765523	TOLLIP	6.59E-03	0.28
ILMN_2369603	CPEB1	6.64E-03	0.22
ILMN_2358457	ATF4	6.66E-03	0.40
ILMN_1763500	GPR82	6.66E-03	-0.24
ILMN_1658504	CHKA	6.72E-03	0.46
ILMN_1749878	FAM124B	6.73E-03	-0.10
ILMN_2393296	GK	6.74E-03	0.45
ILMN_1796417	ASNS	6.75E-03	0.33
ILMN_1724236	FUT7	6.75E-03	-0.17
ILMN_1681016	SPNS1	6.75E-03	0.43
ILMN_1716507	EPB41L1	6.76E-03	0.19
ILMN_1780306	DDHD1	6.77E-03	0.14
ILMN_1662640	C20orf127	6.79E-03	-0.49
ILMN_1656310	INDO	6.79E-03	-0.49
ILMN_2161556	C12orf49	6.79E-03	0.28
ILMN_1716264	ANKRD1	6.85E-03	0.17
ILMN_2094942	42064	6.85E-03	-0.36
ILMN_1665331	AMT	6.88E-03	-0.30
ILMN_3244550	LOC642413	6.90E-03	0.29
ILMN_1711514	COCH	6.90E-03	-0.26
ILMN_1805827	PPA1	6.90E-03	-0.52
ILMN_1804396	C14orf4	6.90E-03	-0.52
ILMN_1707720	SLC1A5	6.90E-03	0.29
ILMN_1736567	CD74	6.97E-03	-0.45
ILMN_1779076	HINT3	6.97E-03	0.28
ILMN_1742089	NLN	6.97E-03	0.33
ILMN_2188374	XPOT	6.97E-03	0.32
ILMN_1739050	PIPOX	7.00E-03	-0.12
ILMN_1747020	SGK3	7.03E-03	0.34
ILMN_2246328	PTPN22	7.03E-03	-0.35
ILMN_1821176		7.04E-03	-0.42
ILMN_1779470	ABCG4	7.04E-03	0.25
ILMN_1911721		7.04E-03	-0.34
ILMN_2293322	MTHFD2	7.04E-03	0.09
ILMN_1654518	LRCH4	7.05E-03	-0.31
ILMN_1653026	PLAC8	7.05E-03	-1.00
ILMN_1746492	RABL4	7.08E-03	0.27
ILMN_1791905	CCDC103	7.12E-03	-0.24
ILMN_1780533	RNASE6	7.13E-03	-0.52
ILMN_1695590	ADRB2	7.13E-03	-0.44
ILMN_1781983	AP1B1	7.19E-03	-0.41
ILMN_1712914	SEMA6B	7.20E-03	0.38
ILMN_1795865	FGFRL1	7.20E-03	0.21
ILMN_1671509	CCL3	7.20E-03	-0.38
ILMN_1715555	DBP	7.20E-03	0.27
ILMN_1720889	SC4MOL	7.20E-03	0.67

ILMN_2316878	PTPRO	7.20E-03	-0.41
ILMN_1652680	LOC652616	7.31E-03	-0.37
ILMN_1722981	TLR5	7.31E-03	0.32
ILMN_1723846	FAM119B	7.31E-03	0.31
ILMN_1725471	GK	7.32E-03	0.47
ILMN_2358919	TP53I3	7.33E-03	-0.40
ILMN_1765578	TIPARP	7.33E-03	0.38
ILMN_1680925	SLC9A3R1	7.34E-03	0.29
ILMN_1685009	ITGAM	7.36E-03	-0.31
ILMN_1677511	PTGS2	7.37E-03	-0.20
ILMN_1784523	ATP6V1G1	7.37E-03	0.49
ILMN_2154455	ZNF330	7.37E-03	0.37
ILMN_1745034	SLC11A2	7.37E-03	0.38
ILMN_1796339	PLEKHA2	7.37E-03	0.46
ILMN_1802292	WDFY2	7.38E-03	-0.27
ILMN_1757872	DKFZp761P0423	7.46E-03	-0.33
ILMN_1771003	HAUS4	7.53E-03	-0.38
ILMN_1733311	PIGB	7.54E-03	-0.32
ILMN_3242586	RHOU	7.56E-03	-0.43
ILMN_2225318	SMS	7.61E-03	0.53
ILMN_1699071	C21orf7	7.62E-03	-0.38
ILMN_1782488	RNASEH2B	7.62E-03	0.33
ILMN_1807493	ACVRL1	7.62E-03	-0.20
ILMN_2081883	IQCK	7.64E-03	0.37
ILMN_2413644	TM4SF19	7.68E-03	0.46
ILMN_1674698	AARS2	7.75E-03	-0.25
ILMN_2269136	AGAP3	7.75E-03	0.45
ILMN_1768816	TMPO	7.76E-03	-0.19
ILMN_1653466	HES4	7.76E-03	0.49
ILMN_1696591	RB1	7.77E-03	-0.49
ILMN_1750062	PPARGC1A	7.77E-03	0.18
ILMN_1775937	DDB1	7.77E-03	0.40
ILMN_1765146	IFNAR2	7.79E-03	-0.33
ILMN_2324421	TXNRD1	7.84E-03	0.59
ILMN_1708248	LILRB1	7.84E-03	-0.18
ILMN_1803392	TAX1BP3	7.84E-03	-0.44
ILMN_1738558	RGS20	8.06E-03	0.46
ILMN_1784300	TUBA4A	8.06E-03	-0.41
ILMN_1679731	SLC15A4	8.07E-03	0.32
ILMN_1710207	C10orf6	8.08E-03	0.27
ILMN_1656011	RGS1	8.18E-03	0.37
ILMN_1776435	GPRIN3	8.20E-03	-0.30
ILMN_1796177	GIPC1	8.20E-03	0.36
ILMN_2414027	CKLF	8.21E-03	-0.51
ILMN_1815874	NANS	8.23E-03	0.31
ILMN_1760593	CRY1	8.23E-03	0.26

ILMN_1781986	UCRC	8.23E-03	-0.31
ILMN_2179726	C16orf93	8.24E-03	-0.27
ILMN_2170813	LAMP3	8.24E-03	-0.42
ILMN_1838319	LOC730249	8.25E-03	-0.26
ILMN_1720373	SLC7A5	8.27E-03	0.40
ILMN_2111187	ELOVL6	8.27E-03	0.24
ILMN_1670124	LOC150223	8.31E-03	-0.22
ILMN_1761464	CD74	8.31E-03	-0.51
ILMN_3246060	LOC654433	8.31E-03	0.38
ILMN_2041293	SQLE	8.31E-03	0.48
ILMN_1768176	CXorf26	8.32E-03	0.36
ILMN_1743241	ARL4A	8.33E-03	0.25
ILMN_1771026	GARS	8.41E-03	0.40
ILMN_1719627	SLC27A3	8.41E-03	-0.35
ILMN_2140999	ZFYVE16	8.41E-03	0.34
ILMN_1789240	MLST8	8.47E-03	0.31
ILMN_1806408	ACADVL	8.48E-03	-0.38
ILMN_1801403	DCUN1D4	8.54E-03	0.33
ILMN_1669831	C6orf192	8.54E-03	0.51
ILMN_1670322	FCHO2	8.54E-03	0.39
ILMN_1723141	OTUD1	8.54E-03	0.35
ILMN_1651496	HIST1H2BD	8.55E-03	-0.40
ILMN_1655117	WDR19	8.55E-03	0.32
ILMN_1720829	ZFP36	8.61E-03	-0.40
ILMN_1730622	EVL	8.61E-03	-0.43
ILMN_1770338	TM4SF1	8.63E-03	0.47
ILMN_1657862	AHCY	8.64E-03	0.32
ILMN_1775170	MT1X	8.66E-03	-0.36
ILMN_1667224	SLAMF8	8.66E-03	-0.41
ILMN_2413808	CD53	8.66E-03	-0.33
ILMN_3238196	CYTH4	8.67E-03	-0.43
ILMN_2136971	FABP3	8.71E-03	0.44
ILMN_3251662	HINT3	8.71E-03	0.52
ILMN_1719695	NFKBIZ	8.71E-03	-0.30
ILMN_1652198	CCM2	8.76E-03	-0.29
ILMN_1673586	SLC6A6	8.78E-03	0.30
ILMN_1652280	FBXO32	8.79E-03	0.29
ILMN_1801254	LOC648984	8.79E-03	-0.52
ILMN_1656196	E2F6	8.79E-03	0.35
ILMN_1729509	C1orf43	8.80E-03	0.37
ILMN_1704730	CD93	8.82E-03	-0.79
ILMN_1709870	HES2	8.82E-03	0.18
ILMN_1811736	ENTHD1	8.84E-03	0.26
ILMN_3240222	PRAGMIN	8.84E-03	-0.39
ILMN_1741200	RFX5	8.87E-03	-0.31
ILMN_1772824	WNT5B	8.88E-03	-0.14

ILMN_3242271	GAPT	8.91E-03	-0.60
ILMN_1691339	CLEC1A	8.93E-03	-0.15
ILMN_1681415	SIGLEC7	8.97E-03	-0.37
ILMN_1765796	ENO2	9.00E-03	0.34
ILMN_2254962	ACSS2	9.03E-03	0.21
ILMN_1706094	HECTD1	9.06E-03	0.38
ILMN_2066020	TCEB1	9.07E-03	0.38
ILMN_3239959	C17orf106	9.09E-03	0.17
ILMN_1666665	COL23A1	9.09E-03	-0.25
ILMN_1706344	ABHD6	9.20E-03	0.35
ILMN_1651964	ABCC5	9.33E-03	0.37
ILMN_1803256	STOX2	9.33E-03	0.32
ILMN_2171289	SAMSN1	9.33E-03	-0.39
ILMN_1809931	NDRG1	9.35E-03	0.43
ILMN_2103362	ARHGAP27	9.43E-03	-0.19
ILMN_1730229	CGNL1	9.52E-03	0.66
ILMN_1803997	SDCCAG3	9.52E-03	0.49
ILMN_1849494		9.57E-03	0.27
ILMN_1731412	UBTD2	9.57E-03	0.36
ILMN_1746588	TALDO1	9.57E-03	0.35
ILMN_1720083	EHD4	9.63E-03	-0.47
ILMN_1656818	GPR141	9.63E-03	-0.28
ILMN_2197365	RGS2	9.65E-03	-0.66
ILMN_2294976	RNASE4	9.65E-03	-0.33
ILMN_1773006	FABP4	9.65E-03	-0.62
ILMN_2336781	SOD2	9.67E-03	0.43
ILMN_1677092	GEM	9.67E-03	0.34
ILMN_2391051	FCGR1B	9.71E-03	-0.37
ILMN_1756355	NDUFS3	9.76E-03	0.34
ILMN_2170814	LAMP3	9.79E-03	-0.55
ILMN_1791328	STK39	9.85E-03	-0.41
ILMN_1680738	C5orf13	9.88E-03	0.28
ILMN_2338038	AK3L1	9.88E-03	0.32
ILMN_1763837	ANPEP	9.89E-03	-0.44
ILMN_1802780	M160	9.89E-03	-0.32
ILMN_1730639	SLC22A15	9.97E-03	0.33

Methylprednisolone (MP)

ProbeID	Gene Symbol	FDR	Log ₂ [MP/NoTx]
ILMN_1778444	FKBP5	6.82E-11	3.15
ILMN_2376403	TSC22D3	7.56E-10	2.95
ILMN_1756071	MFGE8	7.56E-10	3.82
ILMN_1748124	TSC22D3	1.17E-09	2.65
ILMN_1688580	CAMP	1.30E-09	3.66

ILMN_1751975	ALOX15B	1.30E-09	2.09
ILMN_1772131	IL1R2	2.83E-09	4.20
ILMN_1707124	TFPI	3.02E-09	1.98
ILMN_1656940	ABLIM3	3.49E-09	1.26
ILMN_2393149	ALOX15B	3.49E-09	2.41
ILMN_2305407	ZBTB16	3.49E-09	1.69
ILMN_1758457	TBC1D16	5.54E-09	2.30
ILMN_1701032	TFPI	5.65E-09	1.32
ILMN_2329914	SPRY1	5.65E-09	2.55
ILMN_1800626	SESN1	5.65E-09	1.64
ILMN_1662619	TFPI	6.28E-09	2.01
ILMN_1700896	SAP30	8.01E-09	2.16
ILMN_2223941	FBLN5	8.14E-09	2.42
ILMN_2234697	BEX1	8.15E-09	-2.71
ILMN_2072178	ECHDC3	1.04E-08	2.06
ILMN_1719986	PIK3IP1	2.32E-08	2.01
ILMN_1709486	SRPX	2.32E-08	2.94
ILMN_1739942	FAM117B	2.53E-08	1.37
ILMN_1811933	SHMT1	3.24E-08	1.56
ILMN_1691860	SPRY1	3.80E-08	1.83
ILMN_2402817	ZBTB16	4.42E-08	0.95
ILMN_1740015	CD14	4.42E-08	-1.66
ILMN_1730710	ADORA3	6.24E-08	1.86
ILMN_1661695	IRAK3	8.49E-08	1.54
ILMN_1676980	MTSS1	8.84E-08	1.32
ILMN_2328666	CD83	1.02E-07	-1.54
ILMN_2073289	MTSS1	1.17E-07	1.75
ILMN_1796409	C1QB	1.17E-07	1.85
ILMN_1770768	SLAMF1	1.33E-07	1.80
ILMN_1779677	ZCCHC6	1.38E-07	1.26
ILMN_2276952	TSC22D3	1.38E-07	1.91
ILMN_1781285	DUSP1	1.49E-07	1.96
ILMN_1651610	LOC730525	1.80E-07	2.18
ILMN_2092118	FPR1	1.80E-07	1.89
ILMN_1780582	CD83	2.23E-07	-1.59
ILMN_1771688	RAB7B	2.54E-07	-1.15
ILMN_1747355	CCL3L1	2.92E-07	-1.63
ILMN_1774874	IL1RN	3.03E-07	-1.74
ILMN_1913678		3.05E-07	1.38
ILMN_1666733	IL8	3.08E-07	-2.47
ILMN_2184373	IL8	3.35E-07	-2.28
ILMN_1651950	TPST1	3.52E-07	1.72
ILMN_1738578	FILIP1L	3.77E-07	1.01
ILMN_1664176	FBLN5	3.77E-07	1.86
ILMN_2121408	HBEGF	3.77E-07	-1.22
ILMN_1781700	IL18R1	4.75E-07	1.60

ILMN_2294976	RNASE4	4.96E-07	1.24
ILMN_1686562	KIF13B	5.30E-07	1.11
ILMN_2157099	CCNA1	5.68E-07	1.72
ILMN_1915076		5.68E-07	1.16
ILMN_2399363	CLEC4A	6.11E-07	-1.22
ILMN_1671509	CCL3	6.11E-07	-1.93
ILMN_1711608	SSBP2	6.30E-07	1.08
ILMN_1709484	BLM	7.53E-07	1.09
ILMN_1752668	DAAM2	7.53E-07	1.30
ILMN_1720998	CA12	7.53E-07	1.94
ILMN_1801303	AMY2A	8.00E-07	1.08
ILMN_1692535	DPP4	8.00E-07	1.15
ILMN_2053415	LDLR	8.00E-07	-1.19
ILMN_1730906	FILIP1L	8.00E-07	1.14
ILMN_2276904	ALOX15B	8.00E-07	0.95
ILMN_1764723	SH3PXD2B	8.00E-07	1.03
ILMN_1723004	CD72	8.00E-07	1.25
ILMN_1754865	LOC400455	8.31E-07	1.33
ILMN_1733270	CD163	8.86E-07	1.95
ILMN_1790689	CRISPLD2	9.06E-07	1.35
ILMN_2304512	SAA1	9.06E-07	1.44
ILMN_1856480		9.06E-07	1.22
ILMN_2373982	PICK1	9.64E-07	1.09
ILMN_1681437	DCXR	1.02E-06	1.19
ILMN_1738552	SLC1A3	1.06E-06	1.50
ILMN_1739605	LYPD3	1.07E-06	0.66
ILMN_2105573	CCL3L3	1.08E-06	-1.78
ILMN_2348487	EMR3	1.13E-06	-1.12
ILMN_1760727	ANG	1.23E-06	1.11
ILMN_1842850		1.40E-06	0.85
ILMN_2083469	IRS2	1.44E-06	1.36
ILMN_1785345	GPR84	1.47E-06	-1.25
ILMN_1707077	SORT1	1.48E-06	1.31
ILMN_3200211	LOC643680	1.68E-06	1.35
ILMN_1710923	SLAMF7	1.69E-06	-0.96
ILMN_2391150	FILIP1L	1.74E-06	0.92
ILMN_1684982	PDK4	1.78E-06	2.86
ILMN_1696974	ANG	1.78E-06	1.07
ILMN_1664170	CUGBP2	1.91E-06	0.63
ILMN_1738095	PER2	2.01E-06	-1.11
ILMN_1656285	METTL7A	2.30E-06	1.31
ILMN_1808999	ARHGEF19	2.60E-06	0.78
ILMN_2074748	HAL	2.82E-06	0.53
ILMN_2379599	CD163	2.88E-06	1.74
ILMN_1676563	HTRA1	3.21E-06	1.27
ILMN_1776602	RNASE4	3.21E-06	1.12

ILMN_1776905	FAM23B	3.21E-06	0.66
ILMN_2374865	ATF3	3.21E-06	-1.58
ILMN_1743367	FZD4	3.34E-06	1.43
ILMN_1740572	TCN2	3.38E-06	0.84
ILMN_1722622	CD163	3.40E-06	1.82
ILMN_1657871	RSAD2	3.65E-06	-1.30
ILMN_1663042	SDC4	3.94E-06	1.06
ILMN_1805410	C15orf48	3.96E-06	-0.97
ILMN_1669523	FOS	4.03E-06	1.31
ILMN_1672834	SSH2	4.09E-06	0.94
ILMN_1684368	C5orf62	4.09E-06	1.12
ILMN_1778523	KLF9	4.09E-06	1.19
ILMN_1707339	BTG3	4.32E-06	-0.86
ILMN_1800638	CUGBP2	5.15E-06	0.82
ILMN_1730454	FOLR3	5.22E-06	-0.93
ILMN_1716797	CD302	5.26E-06	1.07
ILMN_1692466	LOC728637	5.28E-06	-0.57
ILMN_3244607	FAM117B	5.28E-06	0.72
ILMN_1782050	CEBPD	5.65E-06	1.13
ILMN_1811765	ADAMTS2	5.71E-06	0.46
ILMN_1797875	ALOX5AP	6.02E-06	1.22
ILMN_1736829	MDM2	6.15E-06	0.57
ILMN_1669409	VSIG4	6.17E-06	1.11
ILMN_1762713	C19orf59	6.24E-06	1.09
ILMN_1711062	MMP19	6.54E-06	0.69
ILMN_1709204	CLEC4A	6.78E-06	-1.17
ILMN_1741712	MS4A4A	7.07E-06	0.83
ILMN_2148913	TMEM45A	7.10E-06	0.70
ILMN_1810584	IL1R1	7.20E-06	0.77
ILMN_1781416	FRAT1	7.27E-06	0.76
ILMN_1769299	MTMR11	7.61E-06	1.64
ILMN_1780465	CLEC5A	7.98E-06	-0.93
ILMN_1728106	TNF	8.04E-06	-0.62
ILMN_2337941	COPS8	8.58E-06	1.03
ILMN_3227023	SNHG7	9.34E-06	1.06
ILMN_2064725	METTL7B	9.36E-06	1.13
ILMN_1808395	ACAP1	9.48E-06	0.76
ILMN_2339835	PTGS1	9.48E-06	-1.02
ILMN_2408572	RNASE4	9.85E-06	1.00
ILMN_1664761	TMEM138	9.85E-06	-0.99
ILMN_2073157	AMY2B	9.94E-06	0.63
ILMN_1766914	MFAP4	1.01E-05	0.44
ILMN_1781996	NUDT16	1.09E-05	1.19
ILMN_1681252	C17orf44	1.15E-05	0.62
ILMN_1651769	ZFYVE16	1.15E-05	-0.61
ILMN_3246054	LOC732415	1.15E-05	0.94

ILMN_1771376	PEA15	1.15E-05	-0.79
ILMN_2081682	SMAP2	1.21E-05	0.87
ILMN_1758371	IL1R2	1.25E-05	1.25
ILMN_1793474	INSIG1	1.25E-05	-0.95
ILMN_2415421	SLC30A2	1.25E-05	0.61
ILMN_1770610	MERTK	1.26E-05	0.92
ILMN_2294978	RNASE4	1.26E-05	1.12
ILMN_1778010	IL32	1.26E-05	0.80
ILMN_2370336	MS4A4A	1.27E-05	0.91
ILMN_2368530	IL32	1.34E-05	1.25
ILMN_3234142	LOC728855	1.38E-05	0.98
ILMN_1730575	GCLC	1.43E-05	0.85
ILMN_1682312	CYBB	1.43E-05	-1.18
ILMN_1744381	SERPINE1	1.55E-05	0.86
ILMN_1720282	NQO1	1.56E-05	-1.10
ILMN_1733680	AZI2	1.56E-05	0.76
ILMN_2386973	PKP2	1.57E-05	1.14
ILMN_1717326	SLC29A3	1.76E-05	-0.83
ILMN_1781468	SMAP2	1.81E-05	0.85
ILMN_1775405	ARL4A	1.92E-05	1.83
ILMN_1664068	ERGIC1	1.97E-05	1.12
ILMN_1689329	SCD	2.10E-05	-1.02
ILMN_1717313	NFKBIE	2.16E-05	-0.84
ILMN_2054297	PTGS2	2.16E-05	-0.78
ILMN_1659352	KCNK13	2.26E-05	-0.71
ILMN_2352303	RASSF2	2.26E-05	0.82
ILMN_1768181	TOR3A	2.40E-05	-0.76
ILMN_1720048	CCL2	2.40E-05	-2.20
ILMN_1656501	DUSP5	2.40E-05	-0.96
ILMN_2154836	BTG3	2.40E-05	-0.58
ILMN_2047618	KCNE1	2.41E-05	0.74
ILMN_2129505	CYBASC3	2.46E-05	-0.93
ILMN_1674034	H2AFY	2.49E-05	0.77
ILMN_1794875	AGPAT9	2.49E-05	-1.14
ILMN_1733259	ADORA3	2.61E-05	1.84
ILMN_1700695	SLC44A1	2.65E-05	0.91
ILMN_1742382	RIMS3	2.66E-05	0.82
ILMN_2294762	AMY1A	2.81E-05	-0.83
ILMN_1785902	C1QC	2.83E-05	1.01
ILMN_2055523	CSGALNACT1	2.86E-05	0.24
ILMN_1669617	GRB10	2.90E-05	0.69
ILMN_1735495	TBC1D8	2.90E-05	0.83
ILMN_1679322	SH2D4A	3.04E-05	0.48
ILMN_1656904	SLC1A4	3.12E-05	-0.74
ILMN_1752526	RNF144B	3.12E-05	0.87
ILMN_1718977	GADD45B	3.12E-05	0.98

ILMN_3241378	LOC728448	3.12E-05	0.91
ILMN_3238435	SNORA12	3.15E-05	0.58
ILMN_1707312	NFIL3	3.20E-05	1.09
ILMN_1702501	RPS6KA2	3.30E-05	0.87
ILMN_1782938	SLC16A10	3.30E-05	1.00
ILMN_2366391	PRDX1	3.30E-05	-0.65
ILMN_1736527	TFCP2L1	3.30E-05	0.87
ILMN_1700967	C3orf59	3.30E-05	-0.67
ILMN_1655311	LOC145853	3.30E-05	0.52
ILMN_1795963	OKL38	3.37E-05	-0.81
ILMN_2291954	SLA	3.40E-05	0.84
ILMN_1755504	CALCOCO2	3.41E-05	0.58
ILMN_1654696	C15orf48	3.44E-05	-1.13
ILMN_1714433	MARCKSL1	3.55E-05	-0.83
ILMN_1785852	OBFC2A	3.65E-05	-0.81
ILMN_1685176	SGMS2	3.71E-05	0.37
ILMN_1679093	ZNF581	3.71E-05	0.70
ILMN_1743241	ARL4A	3.80E-05	0.96
ILMN_1780334	KCNJ2	3.80E-05	0.84
ILMN_1780898	PRKCH	3.80E-05	0.82
ILMN_2073202	MEI1	4.11E-05	-0.43
ILMN_1685834	AMPH	4.25E-05	0.48
ILMN_1780546	OSM	4.32E-05	-1.20
ILMN_1743199	EGR2	4.32E-05	-1.14
ILMN_1801313	SIAH2	4.36E-05	0.99
ILMN_1678170	MME	4.36E-05	0.58
ILMN_1675130	NFIC	4.36E-05	0.59
ILMN_2352953	CPM	4.38E-05	0.76
ILMN_1765641	SEMA3A	4.73E-05	-0.39
ILMN_2309245	BIN1	4.78E-05	1.00
ILMN_2382942	CA12	4.81E-05	0.71
ILMN_1705750	TGM2	4.84E-05	-0.88
ILMN_1741404	MSC	4.87E-05	-0.80
ILMN_1666553	SLC25A19	4.93E-05	-0.75
ILMN_1673795	HSD17B4	4.97E-05	0.77
ILMN_1742167	TUBA1C	5.42E-05	-1.02
ILMN_1835017		5.64E-05	0.52
ILMN_1701134	PTEN	5.78E-05	0.89
ILMN_1682993	NKG7	5.78E-05	0.91
ILMN_2137789	KLF4	5.90E-05	0.68
ILMN_1791147	YPEL3	5.90E-05	0.69
ILMN_1808732	SAA1	5.90E-05	0.39
ILMN_1697448	TXNIP	6.02E-05	0.88
ILMN_2174574	HNRNPA3P1	6.11E-05	-0.50
ILMN_1715131	CCR7	6.17E-05	-1.15
ILMN_1683059	SIRT5	6.24E-05	0.72

ILMN_2195236	PGRMC2	6.26E-05	0.79
ILMN_1761281	LOC441019	6.26E-05	0.95
ILMN_1729801	S100A8	6.37E-05	-0.81
ILMN_2142979	PTBP2	6.46E-05	0.42
ILMN_1727402	HCLS1	6.58E-05	0.67
ILMN_1774547	MPRIP	6.62E-05	0.73
ILMN_1795285	PHF15	6.74E-05	0.72
ILMN_1684585	ACSL1	6.91E-05	0.85
ILMN_1796712	S100A10	6.91E-05	0.65
ILMN_1703016	CACNA1G	6.94E-05	0.34
ILMN_1735548	HIVEP1	6.94E-05	-0.46
ILMN_1671142	GPR68	6.94E-05	-0.66
ILMN_1655549	SIGLEC10	6.94E-05	1.02
ILMN_1773553	FLJ46906	6.94E-05	0.64
ILMN_1702787	SEMA4A	6.94E-05	-0.95
ILMN_2345353	LST1	7.06E-05	-0.81
ILMN_2379788	HIF1A	7.06E-05	-0.76
ILMN_1775703	TRAPPC6A	7.08E-05	0.69
ILMN_1708934	ADM	7.08E-05	0.70
ILMN_1742981	TUBA1A	7.08E-05	-1.20
ILMN_1804822	SRXN1	7.14E-05	-0.64
ILMN_1746465	FJX1	7.14E-05	0.41
ILMN_1757343	PABPC4	7.14E-05	0.62
ILMN_1808047	PHC2	7.37E-05	0.81
ILMN_1682099	TNFAIP8L3	7.47E-05	0.69
ILMN_1792455	TMEM158	7.47E-05	-0.94
ILMN_2148819	TUBA1A	7.67E-05	-0.88
ILMN_2094261	AMY1B	7.70E-05	0.29
ILMN_1787186	NOV	7.73E-05	0.50
ILMN_1694882	AMY2B	7.73E-05	0.47
ILMN_1737918	C1QA	7.73E-05	0.72
ILMN_1743784	SHMT1	8.26E-05	0.36
ILMN_1704571	FAM53B	8.26E-05	0.68
ILMN_1800787	RFTN1	8.26E-05	-0.85
ILMN_1656057	PLAU	8.44E-05	-1.25
ILMN_1736180	FRAT1	8.66E-05	0.41
ILMN_1774206	LOC647108	8.81E-05	0.93
ILMN_1663313	AMY1C	8.97E-05	-0.75
ILMN_1694240	MAP2K1	9.06E-05	0.90
ILMN_2255133	BCL11A	9.12E-05	-0.71
ILMN_1674160	BIN1	9.17E-05	1.06
ILMN_1781761	ENPP4	9.18E-05	1.03
ILMN_2235851	LINCR	9.50E-05	-0.54
ILMN_2138589	MERTK	9.53E-05	0.87
ILMN_1814998	FKSG30	9.57E-05	-0.71
ILMN_1782953	MMP19	9.69E-05	0.62

ILMN_1769388	GJB2	1.00E-04	-0.93
ILMN_1806908	PRKCB1	1.01E-04	-0.63
ILMN_1670302	HK3	1.01E-04	-0.74
ILMN_1736911	TMOD1	1.04E-04	0.40
ILMN_2061043	CD48	1.05E-04	-0.65
ILMN_1714082	CMAS	1.05E-04	0.75
ILMN_1704961	ACTG1	1.05E-04	-0.74
ILMN_1665100	PTGS1	1.07E-04	-0.30
ILMN_1740685	LOC652541	1.07E-04	0.43
ILMN_1768505	IL13RA1	1.11E-04	0.74
ILMN_2366388	PRDX1	1.15E-04	-0.66
ILMN_1671969	UGP2	1.16E-04	0.95
ILMN_1679262	DPYSL3	1.16E-04	0.64
ILMN_2340919	GRB10	1.16E-04	0.32
ILMN_1707240	PTBP2	1.17E-04	0.44
ILMN_1773154	NFKBIA	1.17E-04	0.71
ILMN_1746578	SLC23A2	1.17E-04	-0.53
ILMN_1672662	SLC20A1	1.17E-04	1.06
ILMN_1706511	TEF	1.17E-04	-0.43
ILMN_2152131	ACTB	1.18E-04	-0.50
ILMN_1790228	FURIN	1.22E-04	0.60
ILMN_2065690	GRAMD3	1.22E-04	0.71
ILMN_2150402	TMEM64	1.25E-04	0.36
ILMN_1682717	IER3	1.25E-04	-0.93
ILMN_1729112	CHPT1	1.29E-04	0.66
ILMN_1758673	SLC44A1	1.29E-04	0.83
ILMN_1723035	OLR1	1.30E-04	-1.12
ILMN_1689734	IL1RN	1.30E-04	-1.61
ILMN_2412294	GNB5	1.32E-04	0.45
ILMN_1703074	CPD	1.37E-04	0.97
ILMN_1779648	HIST3H2A	1.38E-04	0.99
ILMN_1695590	ADRB2	1.38E-04	0.56
ILMN_2275742	DNASE2B	1.38E-04	1.24
ILMN_1725510	DHCR24	1.38E-04	0.71
ILMN_1814194	TCF4	1.40E-04	-0.57
ILMN_1752075	MYBPC1	1.41E-04	0.23
ILMN_1789130	DNASE2B	1.41E-04	1.16
ILMN_1713124	AKR1C3	1.41E-04	1.32
ILMN_3236556	UBXN2B	1.44E-04	0.67
ILMN_1654516	TMEM120A	1.44E-04	0.74
ILMN_1763461	ALDH7A1	1.45E-04	0.68
ILMN_1677200	CYFIP2	1.46E-04	0.53
ILMN_2374340	PLAUR	1.50E-04	-0.71
ILMN_1776516	ITPKA	1.53E-04	0.37
ILMN_1798204	IL21R	1.54E-04	-0.64
ILMN_1653871	NAMPT	1.54E-04	-0.57

ILMN_1791647	ASIP	1.59E-04	0.67
ILMN_2141482	SERPINF1	1.59E-04	0.55
ILMN_3216794	LOC644860	1.62E-04	0.34
ILMN_1655612	ARRDC2	1.68E-04	0.55
ILMN_1717056	TXNRD1	1.68E-04	-0.83
ILMN_1694075	GADD45A	1.75E-04	0.60
ILMN_1688480	CCND1	1.76E-04	-1.24
ILMN_1795762	PLEK	1.77E-04	-0.59
ILMN_2199439	CA2	1.78E-04	-0.55
ILMN_1742187	MAN1A1	1.78E-04	0.58
ILMN_1702320	JAKMIP2	1.87E-04	-0.52
ILMN_1669376	DRAM1	1.87E-04	-0.83
ILMN_2166457	HPGD	1.87E-04	0.56
ILMN_3241758	POTEF	1.89E-04	-0.77
ILMN_1721116	USP10	1.91E-04	0.72
ILMN_2301722	PDE8B	1.92E-04	0.21
ILMN_1668063	FCN1	1.97E-04	-1.05
ILMN_1686109	CCL23	1.98E-04	-0.94
ILMN_1800261	TUBA1B	1.98E-04	-0.90
ILMN_1711888	COBL	2.01E-04	1.04
ILMN_1653496	GLUL	2.01E-04	0.53
ILMN_1672807	CA5B	2.02E-04	0.28
ILMN_3247728	RNF115	2.05E-04	0.62
ILMN_2200917	SLC4A7	2.05E-04	-0.72
ILMN_1729987	SRC	2.06E-04	-0.55
ILMN_1799208	CSGALNACT2	2.08E-04	0.56
ILMN_1727532	OLFML3	2.12E-04	0.74
ILMN_1763260	HIF1A	2.13E-04	-0.80
ILMN_2312194	CYB5A	2.13E-04	0.69
ILMN_1667043	EIF4A3	2.13E-04	0.75
ILMN_1654112	PARD6A	2.14E-04	0.51
ILMN_1795930	PTGER4	2.18E-04	-0.89
ILMN_2038777	ACTB	2.18E-04	-0.66
ILMN_1798957	C12orf47	2.23E-04	0.76
ILMN_2337655	WARS	2.23E-04	-0.81
ILMN_1801833	ARHGAP24	2.29E-04	0.47
ILMN_1777519	ITGB7	2.32E-04	-0.59
ILMN_1715927	VSTM2L	2.32E-04	0.26
ILMN_1774733	SOCS1	2.33E-04	0.34
ILMN_3247506	FCGR1C	2.33E-04	-0.59
ILMN_2324421	TXNRD1	2.35E-04	-0.77
ILMN_1676480	LOC654053	2.50E-04	-0.37
ILMN_1663866	TGFBI	2.51E-04	-0.67
ILMN_1731433	ABP1	2.52E-04	-0.51
ILMN_1704369	LIMA1	2.52E-04	-0.59
ILMN_1662795	CA2	2.53E-04	-0.70

ILMN_2383611	PTPRE	2.58E-04	-0.69
ILMN_2099277	HTRA4	2.70E-04	-0.95
ILMN_1734543	PTPRE	2.74E-04	-0.68
ILMN_2345142	SULF2	2.75E-04	-0.49
ILMN_1811997	ZNF364	2.76E-04	0.68
ILMN_1722981	TLR5	2.78E-04	0.70
ILMN_1708303	CYP4F22	2.78E-04	0.30
ILMN_1795183	RNASE1	2.81E-04	0.80
ILMN_1654612	ZNF589	2.85E-04	0.49
ILMN_1682176	CLEC3B	2.86E-04	0.43
ILMN_1681283	HIF1A	2.86E-04	-0.74
ILMN_1813379	TNFRSF9	2.87E-04	-0.37
ILMN_2140999	ZFYVE16	2.89E-04	-0.47
ILMN_1720158	ETS2	2.89E-04	1.07
ILMN_2243308	ACVR1B	2.89E-04	0.61
ILMN_1687508	ALDH7A1	2.90E-04	0.60
ILMN_1808707	FSCN1	2.94E-04	-0.85
ILMN_1750062	PPARGC1A	2.94E-04	0.33
ILMN_2153332	ATXN1	2.95E-04	-0.48
ILMN_2373779	COPS8	2.95E-04	0.83
ILMN_1714759	CNIH4	2.98E-04	0.75
ILMN_1778377	ERGIC1	2.98E-04	0.56
ILMN_2367070	ACOT9	2.98E-04	-0.63
ILMN_1810725	FAM129A	3.00E-04	-0.60
ILMN_1809467	VAMP5	3.00E-04	0.57
ILMN_1731736	RIN3	3.00E-04	0.36
ILMN_1786444	LPL	3.02E-04	0.89
ILMN_1811258	RELB	3.04E-04	-0.37
ILMN_2046730	S100A10	3.07E-04	0.53
ILMN_1683313	ST3GAL1	3.07E-04	-0.65
ILMN_1880406		3.10E-04	0.68
ILMN_1655229	SLC7A11	3.10E-04	-0.58
ILMN_1758049	NFIA	3.11E-04	0.34
ILMN_1794677	TMC6	3.21E-04	-0.63
ILMN_1735910	VMO1	3.31E-04	-0.69
ILMN_1658995	ACOT9	3.32E-04	-0.59
ILMN_1659960	IL4I1	3.37E-04	-0.80
ILMN_2396444	CD14	3.37E-04	-0.61
ILMN_1654268	HMGB2	3.42E-04	0.71
ILMN_1777296	ACTB	3.42E-04	-0.68
ILMN_1746517	KYNU	3.54E-04	-0.61
ILMN_1775501	IL1B	3.58E-04	-0.80
ILMN_2053178	ACTG1	3.64E-04	-0.51
ILMN_1785170	ARMCX2	3.64E-04	0.51
ILMN_2405185	AOC2	3.68E-04	0.39
ILMN_1693233	KIAA0513	3.68E-04	0.92

ILMN_1850238		3.68E-04	0.65
ILMN_1727271	WARS	3.75E-04	-0.81
ILMN_2094262	AMY1B	3.75E-04	0.27
ILMN_1785060	TSPAN14	3.89E-04	0.50
ILMN_1756685	DEPDC6	3.92E-04	0.41
ILMN_2129563	LDLRAD3	3.95E-04	0.31
ILMN_1781356	TSC22D3	3.96E-04	0.26
ILMN_2125374	CMAS	3.96E-04	0.67
ILMN_1746888	PCOLCE2	3.96E-04	0.89
ILMN_1765701	LOC399942	4.04E-04	-0.73
ILMN_1711838	SLC25A24	4.16E-04	-0.78
ILMN_2202637	CRY1	4.16E-04	-0.39
ILMN_1733956	IARS	4.17E-04	1.61
ILMN_1708159	PRKCABP	4.17E-04	0.38
ILMN_1688373	LST1	4.18E-04	-0.81
ILMN_1767349	ABCB4	4.20E-04	-0.28
ILMN_2367239	RCAN1	4.20E-04	1.05
ILMN_2218856	CCL3L1	4.22E-04	-1.23
ILMN_2170949	SNX10	4.26E-04	0.63
ILMN_3273456	LOC100129342	4.33E-04	0.20
ILMN_1763638	BCAR3	4.42E-04	-0.59
ILMN_1758672	FAM107B	4.42E-04	-0.82
ILMN_1771019	MTMR4	4.42E-04	0.62
ILMN_2322935	MAPKAPK5	4.46E-04	0.61
ILMN_1662362	LGR6	4.46E-04	0.40
ILMN_1782086	AOC3	4.51E-04	0.24
ILMN_1685625	UCP2	4.54E-04	-0.56
ILMN_1701621	SCO2	4.57E-04	-0.60
ILMN_1752755	VWF	4.64E-04	-0.79
ILMN_1910180		4.70E-04	-0.44
ILMN_2284810	CIDEA	4.70E-04	0.18
ILMN_1786789	FAM102B	4.81E-04	-0.60
ILMN_1683475	TOMM40	4.84E-04	0.89
ILMN_1740185	TPMT	4.86E-04	-0.52
ILMN_1810191	PLA2G4C	4.88E-04	-0.58
ILMN_1677432	SRGAP1	4.91E-04	0.44
ILMN_2199768	SLITRK4	4.93E-04	-0.43
ILMN_1763852	ACACB	4.98E-04	0.49
ILMN_2092333	GPR141	5.00E-04	-0.45
ILMN_1781638	HDDC3	5.00E-04	0.43
ILMN_1844692	FOXO3	5.05E-04	0.75
ILMN_2345898	SLA	5.17E-04	0.70
ILMN_1699574	NRP1	5.20E-04	-0.61
ILMN_1726327	AMY1B	5.23E-04	-0.37
ILMN_1686116	THBS1	5.32E-04	1.65
ILMN_2261600	FCGR1B	5.32E-04	-0.85

ILMN_1702899	PLEKHA7	5.36E-04	0.47
ILMN_2157441	HLA-DRA	5.36E-04	-0.59
ILMN_1772964	CCL8	5.36E-04	-1.95
ILMN_1753111	NAMPT	5.36E-04	-0.54
ILMN_1746171	H2AFY	5.47E-04	0.63
ILMN_1912737		5.51E-04	0.50
ILMN_1689655	HLA-DRA	5.53E-04	-0.52
ILMN_1666819	PHLDB1	5.53E-04	-0.39
ILMN_1688152	IL27RA	5.58E-04	0.70
ILMN_1731745	NINJ2	5.60E-04	0.53
ILMN_2170814	LAMP3	5.62E-04	-0.97
ILMN_1758323	ACPP	5.71E-04	-0.33
ILMN_2352090	GPRC5C	5.80E-04	0.59
ILMN_1779886	TBC1D14	5.85E-04	0.55
ILMN_2176063	FCGR1A	5.86E-04	-0.72
ILMN_1815168	HVCN1	5.86E-04	-0.49
ILMN_1716468	LOC152195	5.99E-04	0.32
ILMN_3248882	KIAA0114	6.09E-04	0.31
ILMN_1811909	LOC402221	6.09E-04	-0.72
ILMN_2401641	ALDH3A2	6.09E-04	-0.50
ILMN_1687757	AKR1C4	6.13E-04	0.81
ILMN_1706635	ELANE	6.25E-04	0.25
ILMN_1656378	NMT2	6.25E-04	-0.47
ILMN_1658628	C14orf72	6.29E-04	0.31
ILMN_1741422	FUT8	6.51E-04	0.41
ILMN_1759792	CLIP4	6.55E-04	0.77
ILMN_1808405	HLA-DQA1	6.55E-04	-0.59
ILMN_1791511	TMEM176A	6.62E-04	-0.68
ILMN_2172755	DEPDC6	6.69E-04	0.27
ILMN_1663640	MAOA	6.82E-04	1.21
ILMN_1707727	ANGPTL4	7.04E-04	0.67
ILMN_1654609	TIGA1	7.07E-04	0.87
ILMN_1812091	FAM20A	7.08E-04	-0.56
ILMN_2352077	KL	7.18E-04	-0.41
ILMN_1712112	RCAN1	7.20E-04	1.20
ILMN_3176790	LOC100128269	7.23E-04	0.45
ILMN_1758938	SLC31A2	7.33E-04	0.58
ILMN_1660986	PER3	7.35E-04	-0.50
ILMN_1690621	GPR98	7.35E-04	0.18
ILMN_1778836	SFRS7	7.41E-04	-1.02
ILMN_2062754	SRA1	7.56E-04	-0.40
ILMN_1683806	MRC1L1	7.57E-04	0.42
ILMN_1802808	LOC654103	7.58E-04	0.78
ILMN_2386179	ZMYND8	7.59E-04	0.54
ILMN_2338963	SLC29A1	7.59E-04	0.40
ILMN_1726597	FAM65B	7.66E-04	0.39

ILMN_1671404	SVIL	7.76E-04	-0.29
ILMN_2077550	RACGAP1	7.76E-04	0.40
ILMN_1707695	IFIT1	7.86E-04	-0.59
ILMN_1746819	C5	7.86E-04	0.56
ILMN_1667460	SULF2	8.10E-04	-0.57
ILMN_1885771		8.10E-04	0.32
ILMN_1714945	ITPKC	8.20E-04	0.24
ILMN_1751228	C20orf46	8.20E-04	-0.49
ILMN_1709683	RASSF2	8.20E-04	0.78
ILMN_1806651	PARP8	8.22E-04	0.66
ILMN_1671183	LOC648749	8.25E-04	0.23
ILMN_2202940	CHPT1	8.25E-04	0.57
ILMN_1796642	NCF2	8.25E-04	-0.55
ILMN_3234948	LOC100130000	8.25E-04	0.39
ILMN_1662640	C20orf127	8.45E-04	0.66
ILMN_3244583	NCRNA00219	8.67E-04	0.82
ILMN_1775380	SMOX	8.68E-04	-0.55
ILMN_2348788	CD44	8.69E-04	-0.74
ILMN_1691846	G0S2	8.70E-04	-0.24
ILMN_1695829	TTYH2	8.78E-04	-0.38
ILMN_1694810	PANX2	8.86E-04	-0.47
ILMN_2081883	IQCK	8.86E-04	-0.34
ILMN_1803739	RPGRIP1	8.87E-04	-0.23
ILMN_1750974	S100A9	9.08E-04	-0.68
ILMN_2333670	RNASE1	9.08E-04	0.73
ILMN_1790985	dJ341D10.1	9.08E-04	0.56
ILMN_1755364	RALA	9.08E-04	-0.58
ILMN_1714167	CYB5A	9.09E-04	0.62
ILMN_2312340	LILRB2	9.19E-04	-0.54
ILMN_1660549	GPR177	9.26E-04	0.41
ILMN_1715969	SLC25A37	9.26E-04	0.52
ILMN_1805148	C2orf63	9.30E-04	0.32
ILMN_1717799	PRKCE	9.36E-04	0.23
ILMN_1740169	TYRO3	9.47E-04	0.15
ILMN_1723971	SLC29A1	9.50E-04	0.46
ILMN_1690170	CRABP2	9.51E-04	-0.80
ILMN_1684357	C14orf139	9.51E-04	0.26
ILMN_1754894	C1orf162	9.61E-04	0.43
ILMN_1752899	BCL11A	9.74E-04	-0.59
ILMN_2070940	CD302	9.74E-04	0.24
ILMN_1677038	FLJ21986	9.74E-04	-0.72
ILMN_1674926	C19orf35	9.74E-04	0.21
ILMN_2173291	CYP4B1	9.79E-04	-0.22
ILMN_1705111	FNDC3A	9.86E-04	0.43
ILMN_1728799	FBP1	9.89E-04	0.60
ILMN_1709820	AOAH	9.91E-04	-0.60

ILMN_1808789	MYO5C	1.00E-03	0.26
ILMN_1718558	PARP12	1.01E-03	-0.62
ILMN_1776649	LRRK2	1.02E-03	0.57
ILMN_3251436	DENND4C	1.03E-03	0.53
ILMN_1783956	ATP8B4	1.04E-03	-0.67
ILMN_1779857	KLF4	1.04E-03	0.33
ILMN_1772667	P2RY1	1.04E-03	0.24
ILMN_1682332	GYPC	1.04E-03	0.77
ILMN_1710078	TMEM181	1.05E-03	0.55
ILMN_1766363	FLT3	1.05E-03	0.20
ILMN_1704014	LOC730256	1.05E-03	0.40
ILMN_1742547	NRP1	1.06E-03	-0.42
ILMN_1746588	TALDO1	1.06E-03	-0.48
ILMN_2291644	SIRT5	1.09E-03	0.18
ILMN_2367818	CD40	1.10E-03	-0.28
ILMN_1811624	THADA	1.10E-03	0.47
ILMN_1686989	INSIG1	1.11E-03	-0.35
ILMN_1749403	TSPAN33	1.12E-03	-0.55
ILMN_1716368	CCDC111	1.12E-03	0.41
ILMN_1687306	LGALS2	1.15E-03	-1.10
ILMN_1750496	ZBTB16	1.16E-03	0.24
ILMN_1721626	ARID5B	1.16E-03	0.52
ILMN_1803256	STOX2	1.17E-03	-0.43
ILMN_1812759	GCH1	1.21E-03	-0.46
ILMN_1735680	TMEM30A	1.21E-03	-0.61
ILMN_3239217	LOC729057	1.21E-03	0.27
ILMN_1729374	ETFB	1.23E-03	0.65
ILMN_2369953	ARL4A	1.24E-03	0.26
ILMN_1860638		1.24E-03	-0.48
ILMN_1661599	DDIT4	1.24E-03	0.92
ILMN_1906187		1.25E-03	0.34
ILMN_1798706	EBI2	1.25E-03	0.72
ILMN_1701424	LAMC2	1.25E-03	0.13
ILMN_2202915	FAR2	1.25E-03	0.61
ILMN_2169261	TNNI2	1.26E-03	-0.31
ILMN_1705570	H2AFY2	1.27E-03	-0.52
ILMN_1808391	DUSP4	1.28E-03	0.23
ILMN_1693004	C20orf117	1.29E-03	-0.30
ILMN_1805512	WDR13	1.29E-03	0.48
ILMN_1694596	FAR2	1.33E-03	0.25
ILMN_3235514	GPR183	1.33E-03	0.45
ILMN_1810628	KIAA0367	1.34E-03	-0.50
ILMN_2169490	TDRD9	1.36E-03	0.55
ILMN_1761247	PIR	1.37E-03	-0.42
ILMN_1770824	ARHGAP4	1.38E-03	-0.65
ILMN_1677511	PTGS2	1.38E-03	-0.30

ILMN_1776181	BIRC3	1.38E-03	-0.74
ILMN_3249667	LOC100133678	1.39E-03	-0.65
ILMN_1757552	PTRF	1.39E-03	-0.60
ILMN_1719627	SLC27A3	1.39E-03	0.56
ILMN_1668822	BATF	1.39E-03	0.65
ILMN_1706344	ABHD6	1.40E-03	0.59
ILMN_1666546	DUSP14	1.41E-03	-0.60
ILMN_1777190	CFD	1.41E-03	0.54
ILMN_1810235	ATP6V1E2	1.42E-03	0.48
ILMN_1702637	BEX1	1.43E-03	-0.31
ILMN_1703955	FBXO32	1.44E-03	0.78
ILMN_3236036	LOC283663	1.44E-03	0.29
ILMN_1669113	ATF5	1.44E-03	-0.71
ILMN_2136089	MTE	1.44E-03	0.62
ILMN_1793730	TM7SF4	1.45E-03	-0.92
ILMN_2359287	ITGA6	1.45E-03	-0.25
ILMN_1670895	ZNF207	1.45E-03	-0.47
ILMN_1781536	FAH	1.45E-03	0.67
ILMN_1669599	DENND4C	1.46E-03	0.58
ILMN_2215194	GCLC	1.46E-03	0.25
ILMN_1771264	ELL3	1.48E-03	0.29
ILMN_3246065	CCDC151	1.48E-03	0.27
ILMN_1749521	SLC35E3	1.49E-03	0.67
ILMN_1799015	PXMP2	1.49E-03	0.47
ILMN_2170813	LAMP3	1.49E-03	-0.69
ILMN_1769013	ASGR1	1.50E-03	-0.61
ILMN_2214678	MXD1	1.52E-03	-0.69
ILMN_2092850	HPSE	1.52E-03	-0.72
ILMN_2168217	EBI2	1.53E-03	0.70
ILMN_2355168	MGST1	1.53E-03	0.73
ILMN_2367258	SMOX	1.53E-03	-0.37
ILMN_2213558	TMED10P	1.53E-03	0.46
ILMN_1799598	SIRT5	1.53E-03	0.37
ILMN_2373495	H2AFY	1.54E-03	0.40
ILMN_2282641	TBXAS1	1.54E-03	0.54
ILMN_1699082	MAPKAPK5	1.55E-03	0.54
ILMN_2103547	GOLGA8B	1.55E-03	0.45
ILMN_1802082	PRDM8	1.56E-03	-0.22
ILMN_1689088	COLEC12	1.56E-03	-0.66
ILMN_3238680	C7orf55	1.57E-03	0.54
ILMN_1720373	SLC7A5	1.57E-03	-0.59
ILMN_1710092	ZBTB46	1.60E-03	-0.31
ILMN_1689160	DPEP2	1.62E-03	0.71
ILMN_3233229	SNHG7	1.62E-03	0.53
ILMN_1811148	BMP2K	1.63E-03	-0.46
ILMN_1677098	YPEL2	1.63E-03	0.55

ILMN_1664631	ADAM28	1.63E-03	-0.32
ILMN_1712719	MAP7	1.63E-03	-0.50
ILMN_1658494	C13orf15	1.65E-03	-0.56
ILMN_2400947	CUGBP2	1.66E-03	0.35
ILMN_1794165	PGD	1.67E-03	-0.46
ILMN_1776967	LRRC50	1.67E-03	0.75
ILMN_1670672	TMEM37	1.68E-03	0.48
ILMN_3294024	LOC644990	1.68E-03	0.30
ILMN_2085862	SLC15A3	1.69E-03	-0.49
ILMN_1811110	TDRD9	1.70E-03	0.57
ILMN_1748090	SLC2A11	1.71E-03	0.45
ILMN_1734229	SPPL2A	1.71E-03	-0.49
ILMN_1719543	MAF	1.72E-03	-0.51
ILMN_1714567	AHNAK	1.72E-03	0.50
ILMN_1713529	SEMA6A	1.72E-03	0.20
ILMN_1755873	EMR3	1.75E-03	-0.40
ILMN_1804955	CTSF	1.76E-03	0.30
ILMN_1857295		1.76E-03	0.26
ILMN_1677607	SC5DL	1.76E-03	-0.50
ILMN_1752159	AHNAK	1.77E-03	0.39
ILMN_1678939	VNN2	1.77E-03	-0.71
ILMN_2056606	PPP1R1A	1.78E-03	0.46
ILMN_1714083	KLHL8	1.79E-03	0.45
ILMN_1664233	LOC644590	1.80E-03	-0.29
ILMN_1692517	LOC653381	1.80E-03	-0.60
ILMN_1758864	VNN2	1.81E-03	-0.66
ILMN_1810953	LOC653496	1.81E-03	0.49
ILMN_1656045	BRUNOL6	1.81E-03	0.31
ILMN_1770922	TMEM45A	1.82E-03	0.48
ILMN_1798360	CXCR7	1.84E-03	0.43
ILMN_1805902	ELA1	1.84E-03	0.45
ILMN_1747205	JDP2	1.85E-03	0.60
ILMN_1815951	PCYOX1L	1.90E-03	0.29
ILMN_3247139	C17orf96	1.92E-03	-0.50
ILMN_2109708	ECGF1	1.92E-03	-0.50
ILMN_3301740	LOC729887	1.92E-03	0.39
ILMN_1760347	SRGN	1.92E-03	-0.31
ILMN_1738992	MNDA	1.92E-03	-0.63
ILMN_1670134	FADS1	1.93E-03	-0.62
ILMN_1674343	NXF3	1.93E-03	-0.34
ILMN_1701017	SAA1	1.93E-03	0.33
ILMN_1654118	BCL2L1	1.96E-03	0.46
ILMN_1768469	TCN1	1.97E-03	0.41
ILMN_1713088	MSI2	1.98E-03	0.32
ILMN_1714592	CDA	1.98E-03	-0.40
ILMN_1699887	ST14	1.99E-03	0.70

ILMN_2109197	EPB41L3	1.99E-03	-0.69
ILMN_1763452	EVI2B	1.99E-03	0.48
ILMN_2338038	AK3L1	1.99E-03	-0.83
ILMN_1786041	ASB9	1.99E-03	-0.21
ILMN_2054607	CYP4V2	1.99E-03	-0.48
ILMN_1836776		2.00E-03	0.24
ILMN_1751425	ERMP1	2.02E-03	-0.41
ILMN_1797728	HMGCS1	2.02E-03	-0.57
ILMN_1901198		2.03E-03	0.40
ILMN_1656011	RGS1	2.04E-03	1.25
ILMN_1803824	ZDHHC9	2.07E-03	0.54
ILMN_1683456	CCL7	2.07E-03	-0.97
ILMN_3235358	LOC100133080	2.07E-03	0.40
ILMN_3289745	LOC339352	2.07E-03	0.37
ILMN_2196078	SLAMF6	2.08E-03	-0.78
ILMN_2299045	BMP2K	2.08E-03	-0.43
ILMN_1655796	42066	2.08E-03	-0.31
ILMN_1778136	ZMYND15	2.11E-03	-0.42
ILMN_1714602	CD86	2.12E-03	-0.59
ILMN_2214790	LAMB1	2.16E-03	0.23
ILMN_1784602	CDKN1A	2.16E-03	-0.48
ILMN_1772521	MTHFD1L	2.21E-03	-0.28
ILMN_2115011	FGD2	2.22E-03	0.49
ILMN_1702691	TNFAIP3	2.24E-03	0.80
ILMN_2110908	MYC	2.24E-03	0.34
ILMN_2052208	GADD45A	2.26E-03	0.62
ILMN_1843198		2.28E-03	-0.77
ILMN_1716276	CCL4L2	2.30E-03	-0.51
ILMN_1812618	ARAP3	2.30E-03	-0.43
ILMN_1656818	GPR141	2.30E-03	-0.35
ILMN_2338997	PTP4A2	2.30E-03	-0.48
ILMN_1677765	LRP8	2.30E-03	-0.54
ILMN_3235832	LOC728835	2.32E-03	-0.53
ILMN_1803429	CD44	2.33E-03	-0.60
ILMN_1771800	PRKCA	2.33E-03	-0.44
ILMN_1796216	VASH1	2.33E-03	-0.56
ILMN_2406035	LAMA3	2.35E-03	0.16
ILMN_3211079	LOC148430	2.35E-03	0.44
ILMN_2082209	C20orf100	2.35E-03	-0.54
ILMN_2189222	KLHL8	2.35E-03	0.46
ILMN_2379644	CD74	2.36E-03	-0.47
ILMN_1859584		2.36E-03	0.40
ILMN_1730809	SLC29A2	2.37E-03	0.25
ILMN_2395728	HNRPUL1	2.37E-03	0.37
ILMN_1657455	CEACAM4	2.38E-03	0.20
ILMN_1713143	MRPL3	2.39E-03	0.53

ILMN_1728262	SAA2	2.39E-03	0.32
ILMN_1687440	HIPK2	2.39E-03	0.64
ILMN_1797731	MS4A6A	2.39E-03	0.75
ILMN_1912287		2.40E-03	-0.82
ILMN_1800837	CFDP1	2.41E-03	0.69
ILMN_3308265	MIR302C	2.43E-03	-0.25
ILMN_1758623	HIST1H2BD	2.44E-03	0.51
ILMN_1714401	SNX27	2.44E-03	0.55
ILMN_1727315	DENND1A	2.44E-03	-0.26
ILMN_1715508	NNMT	2.44E-03	0.48
ILMN_2385647	ALAS1	2.45E-03	-0.29
ILMN_1756992	MUC1	2.45E-03	0.70
ILMN_1702609	B3GNT5	2.47E-03	0.20
ILMN_2407851	IL17RD	2.48E-03	-0.48
ILMN_1698313	CPM	2.48E-03	0.32
ILMN_1704750	LOC647000	2.48E-03	-0.54
ILMN_1802205	RHOB	2.48E-03	0.45
ILMN_2055634	TIAF1	2.52E-03	-0.64
ILMN_3239445	ZBTB42	2.54E-03	-0.32
ILMN_2376520	PPP2R3A	2.57E-03	-0.23
ILMN_1676844	NR1D2	2.60E-03	-0.34
ILMN_1781952	MGST1	2.60E-03	0.86
ILMN_1764362	LYAR	2.60E-03	0.38
ILMN_1795158	FGR	2.62E-03	0.78
ILMN_1784287	TGFBR3	2.63E-03	0.28
ILMN_1680618	MYC	2.64E-03	0.44
ILMN_1810147	ZNF524	2.65E-03	0.36
ILMN_2358069	MAD1L1	2.65E-03	0.47
ILMN_1888558		2.66E-03	0.40
ILMN_1658926	NOTCH3	2.75E-03	0.48
ILMN_2408543	PLAUR	2.76E-03	-0.58
ILMN_2148785	GBP1	2.76E-03	-0.62
ILMN_3309349	SNHG8	2.76E-03	0.61
ILMN_2391051	FCGR1B	2.76E-03	-0.56
ILMN_2365248	HVCN1	2.77E-03	-0.45
ILMN_3240316	TMSL3	2.77E-03	-0.40
ILMN_1776998	DNAJA4	2.78E-03	-0.40
ILMN_1764396	HDAC4	2.81E-03	0.30
ILMN_3248591	LTBP2	2.82E-03	-0.23
ILMN_1765146	IFNAR2	2.82E-03	-0.55
ILMN_1740005	SERPINF2	2.82E-03	0.20
ILMN_1719343	WDR26	2.82E-03	0.49
ILMN_1738047	C10orf73	2.83E-03	0.23
ILMN_1691930	CBX6	2.83E-03	-0.57
ILMN_1731714	CREB5	2.84E-03	-0.32
ILMN_1789001	SLC35B2	2.84E-03	0.38

ILMN_1758400	GRIN3A	2.85E-03	-0.40
ILMN_1778240	GFOD1	2.86E-03	0.51
ILMN_1767365	PAK1	2.88E-03	-0.51
ILMN_1739428	IFIT2	2.88E-03	-0.84
ILMN_1775327	PKM2	2.88E-03	-0.48
ILMN_1737685	CRLS1	2.88E-03	0.48
ILMN_1675258	LOC441268	2.88E-03	-0.27
ILMN_2357134	SPHK1	2.88E-03	-0.53
ILMN_2299795	CPM	2.89E-03	0.34
ILMN_1793433	RAB10	2.91E-03	-0.51
ILMN_1714417	PSEN2	2.91E-03	-0.44
ILMN_1791328	STK39	2.93E-03	-0.47
ILMN_1727466	KCNMB4	2.95E-03	-0.38
ILMN_1668039	GYPC	2.96E-03	0.80
ILMN_1670322	FCHO2	2.96E-03	0.56
ILMN_1764609	PWWP2B	2.96E-03	0.41
ILMN_1787127	SLC43A2	2.96E-03	-0.55
ILMN_3235221	LOC644936	2.97E-03	-0.63
ILMN_3235003	LOC100132395	2.97E-03	0.51
ILMN_1680344	MYOM1	2.97E-03	0.36
ILMN_1682572	KIAA0528	2.97E-03	0.61
ILMN_3251341	TUBA1C	2.97E-03	-0.65
ILMN_1717262	PROCR	3.00E-03	-0.47
ILMN_2085012	TMEM176B	3.02E-03	-0.45
ILMN_1755024	IKBKE	3.11E-03	-0.37
ILMN_1788180	RAB13	3.16E-03	0.49
ILMN_2225537	PTGR1	3.16E-03	-0.59
ILMN_3239937	NUDT16P	3.17E-03	0.33
ILMN_1812688	C2orf18	3.18E-03	0.34
ILMN_1683682	DAGLA	3.18E-03	-0.45
ILMN_2310896	NLRP3	3.21E-03	-0.69
ILMN_1780831	SLC6A12	3.21E-03	-0.54
ILMN_1655191	CASZ1	3.26E-03	-0.35
ILMN_1759097	MLLT11	3.30E-03	-0.51
ILMN_3237376	GRAMD1B	3.33E-03	0.23
ILMN_1746013	SPOCK1	3.34E-03	0.51
ILMN_1667966	C1orf24	3.36E-03	-0.48
ILMN_1765801	GAA	3.36E-03	0.39
ILMN_1657395	HMGCR	3.37E-03	-0.48
ILMN_1754076	CACNA2D3	3.41E-03	-0.62
ILMN_1737089	CAPN5	3.43E-03	-0.26
ILMN_1707434	LOC653778	3.43E-03	0.41
ILMN_2060770	RAI1	3.52E-03	-0.29
ILMN_1748983	RTN4	3.53E-03	0.28
ILMN_1660544	ARRDC4	3.53E-03	-0.23
ILMN_2401618	MLX	3.56E-03	0.44

ILMN_1800739	SPINT2	3.60E-03	-0.55
ILMN_1796074	C18orf56	3.63E-03	0.25
ILMN_2366634	PKM2	3.68E-03	-0.46
ILMN_3210914	LOC344887	3.68E-03	-0.25
ILMN_2368318	FGR	3.77E-03	0.75
ILMN_1756541	MXD4	3.79E-03	0.51
ILMN_1716596	NSMAF	3.83E-03	0.47
ILMN_1677955	ENTPD6	3.86E-03	0.18
ILMN_1700067	BTN3A2	3.86E-03	0.49
ILMN_2362346	TRPV4	3.87E-03	-0.19
ILMN_1654819	ZNF589	3.88E-03	0.46
ILMN_1755732	ARMC9	3.88E-03	-0.26
ILMN_1709880	RPLP0	3.89E-03	0.48
ILMN_1786426	TMEM149	3.89E-03	-0.55
ILMN_1660292	MRPS21	3.89E-03	0.38
ILMN_1663035	SREBF1	3.89E-03	-0.35
ILMN_1695745	DISP1	3.89E-03	0.38
ILMN_3241234	LOC730278	3.90E-03	-0.45
ILMN_1792473	AIF1	3.90E-03	-0.53
ILMN_1752562	CXCL5	3.93E-03	-0.43
ILMN_1809607	PPIF	3.97E-03	-0.17
ILMN_2052373	RAB17	3.97E-03	-0.31
ILMN_1790909	NFE2L2	3.98E-03	-0.50
ILMN_1748797	GRB2	3.98E-03	-0.41
ILMN_2412139	CABYR	3.98E-03	-0.16
ILMN_1780533	RNASE6	4.00E-03	0.70
ILMN_1754149	LETMD1	4.04E-03	0.37
ILMN_2366330	FERMT3	4.07E-03	-0.43
ILMN_1750549	PI4K2A	4.12E-03	-0.40
ILMN_1848893		4.12E-03	0.19
ILMN_3248218	SNORD104	4.15E-03	0.36
ILMN_2114568	GBP5	4.18E-03	-0.54
ILMN_1681601	SUCNR1	4.18E-03	-0.75
ILMN_1706873	RPL34	4.19E-03	0.39
ILMN_1700413	MAFF	4.20E-03	-0.24
ILMN_1765876	ARHGAP24	4.22E-03	0.24
ILMN_1754121	CSK	4.22E-03	-0.51
ILMN_1651498	GADD45G	4.24E-03	-0.38
ILMN_2371911	MUC1	4.25E-03	0.35
ILMN_2092077	PIP	4.28E-03	0.22
ILMN_1701195	PLA2G7	4.29E-03	-0.53
ILMN_1713751	ADAM19	4.41E-03	-0.66
ILMN_1748538	ALDH1A2	4.41E-03	-0.36
ILMN_2127379	ST6GALNAC3	4.44E-03	0.26
ILMN_1757406	HIST1H1C	4.47E-03	0.56
ILMN_1864422		4.54E-03	0.42

ILMN_1702447	IGF2BP2	4.55E-03	0.35
ILMN_3247023	FLJ22536	4.55E-03	-0.64
ILMN_1747650	BMP6	4.55E-03	-0.34
ILMN_1743755	LOC441150	4.55E-03	0.20
ILMN_1685824	B4GALT5	4.55E-03	-0.51
ILMN_2389347	NR3C1	4.55E-03	-0.32
ILMN_2297765	KCNMA1	4.55E-03	0.53
ILMN_1800951	ATXN1	4.63E-03	-0.38
ILMN_2049536	TRPV2	4.63E-03	-0.43
ILMN_1745397	OAS3	4.63E-03	-0.59
ILMN_2165993	ITLN1	4.65E-03	0.25
ILMN_1695311	HLA-DMA	4.65E-03	-0.47
ILMN_1754114	FLJ20021	4.66E-03	0.45
ILMN_1667371	SLA	4.66E-03	0.63
ILMN_1656111	MYLIP	4.67E-03	0.42
ILMN_1676361	ARHGAP22	4.67E-03	-0.47
ILMN_1708534	PAX8	4.70E-03	0.27
ILMN_1778723	AMICA1	4.70E-03	-0.64
ILMN_2221564	LYAR	4.73E-03	0.37
ILMN_1736567	CD74	4.75E-03	-0.41
ILMN_2383774	TRAF3	4.77E-03	-0.30
ILMN_1903568		4.77E-03	-0.43
ILMN_1756928	RTN1	4.82E-03	-0.38
ILMN_1756049	NT5DC3	4.82E-03	0.28
ILMN_2082314	TOM1	4.84E-03	-0.52
ILMN_1807919	TNS1	4.84E-03	0.32
ILMN_2143250	FAR1	4.84E-03	-0.38
ILMN_2152429	C12orf76	4.86E-03	0.42
ILMN_1789502	GPC4	4.88E-03	-0.67
ILMN_1695959	C21orf63	4.88E-03	0.19
ILMN_1654735	SLCO3A1	4.89E-03	-0.43
ILMN_1715175	MET	4.90E-03	0.48
ILMN_1702009	SV2A	4.91E-03	0.14
ILMN_1682799	STAMBPL1	4.91E-03	-0.25
ILMN_1713867	PMFBP1	4.92E-03	0.46
ILMN_1793384	JAK1	4.92E-03	0.42
ILMN_3263694	LOC100128771	4.92E-03	0.29
ILMN_2332964	LGMN	4.92E-03	-0.42
ILMN_3245057	ASAP1	4.92E-03	-0.48
ILMN_1695991	COLQ	4.95E-03	-0.25
ILMN_1715684	LAMB3	4.95E-03	-0.36
ILMN_1790807	XPC	4.96E-03	0.46
ILMN_1736585	TMED10	4.99E-03	0.47
ILMN_1802292	WDFY2	5.00E-03	0.30
ILMN_1773363	CIITA	5.05E-03	-0.40
ILMN_1739985	TAGAP	5.05E-03	-0.24

ILMN_1658639	SLC46A3	5.05E-03	-0.53
ILMN_1719224	C17orf45	5.05E-03	0.46
ILMN_1738816	FOXO1	5.06E-03	0.42
ILMN_1795275	USP53	5.07E-03	0.13
ILMN_3189621	LOC100128221	5.07E-03	0.25
ILMN_3236945	PTPMT1	5.13E-03	-0.44
ILMN_2167426	ASPHD2	5.16E-03	-0.24
ILMN_2343278	PPAP2A	5.16E-03	-0.24
ILMN_1803033	MGST1	5.16E-03	0.35
ILMN_1868851		5.16E-03	0.30
ILMN_1808768	ROCK1	5.16E-03	0.32
ILMN_2093343	PLAC8	5.16E-03	-0.57
ILMN_1712082	GCNT3	5.17E-03	0.17
ILMN_1672650	PKM2	5.17E-03	-0.38
ILMN_1780560	MYO18A	5.18E-03	-0.42
ILMN_3250032	XPR1	5.25E-03	0.20
ILMN_1781155	LYN	5.26E-03	-0.57
ILMN_1659257	TNFRSF8	5.26E-03	-0.23
ILMN_1660727	ENPP5	5.36E-03	0.16
ILMN_2186319	TSPAN2	5.43E-03	0.13
ILMN_1651496	HIST1H2BD	5.43E-03	0.49
ILMN_1681703	FOXO3	5.43E-03	0.55
ILMN_1703926	PTGER2	5.43E-03	0.44
ILMN_2298365	PPP2R2B	5.43E-03	-0.40
ILMN_1733998	DHRS9	5.44E-03	-0.70
ILMN_1736939	UGCG	5.44E-03	-0.47
ILMN_1726204	SCRG1	5.45E-03	0.15
ILMN_1652407	ZMYND8	5.45E-03	0.40
ILMN_1764596	MPST	5.47E-03	0.30
ILMN_1750373	KAL1	5.48E-03	-0.33
ILMN_2041101	ANXA2P1	5.49E-03	-0.44
ILMN_1815745	SOX4	5.50E-03	-0.40
ILMN_2357730	CCRK	5.55E-03	-0.23
ILMN_2336595	ACSS2	5.55E-03	-0.45
ILMN_2330966	PTK2B	5.60E-03	0.48
ILMN_1785161	CHCHD6	5.61E-03	0.28
ILMN_1691508	PLAUR	5.62E-03	-0.41
ILMN_1781565	MESDC1	5.65E-03	-0.25
ILMN_3188984	C20orf199	5.66E-03	0.57
ILMN_1751963	ZCWPW1	5.70E-03	0.40
ILMN_3243055	LOC732432	5.71E-03	0.39
ILMN_3244014	LOC100131967	5.74E-03	-0.20
ILMN_1679483	INTS10	5.74E-03	0.40
ILMN_2160476	CCL22	5.75E-03	-1.27
ILMN_1712026	NLRP3	5.76E-03	-0.63
ILMN_1730639	SLC22A15	5.76E-03	0.39

ILMN_1721035	MS4A6A	5.76E-03	0.63
ILMN_1708728	H2AFJ	5.77E-03	0.42
ILMN_1694140	AFAP1L1	5.77E-03	0.44
ILMN_2383383	PIR	5.77E-03	-0.36
ILMN_2401933	ATP2B1	5.77E-03	-0.25
ILMN_2316236	HOPX	5.78E-03	1.06
ILMN_1767816	APH1B	5.80E-03	0.43
ILMN_2119774	CYP2R1	5.82E-03	0.41
ILMN_1759563	NRIP3	5.84E-03	-0.55
ILMN_1677404	RAP2A	5.85E-03	-0.48
ILMN_1654778	LSP1	5.85E-03	-0.38
ILMN_2179726	C16orf93	5.85E-03	-0.43
ILMN_2395214	FMNL3	5.85E-03	-0.21
ILMN_1778321	SLC2A6	5.85E-03	-0.47
ILMN_1687612	PPARG	5.85E-03	0.27
ILMN_1706217	TLR4	5.89E-03	0.43
ILMN_1777691	ARL9	5.89E-03	0.12
ILMN_1711543	C14orf169	5.89E-03	-0.37
ILMN_1763386	BID	6.06E-03	-0.54
ILMN_1745374	IFI35	6.06E-03	-0.54
ILMN_1808956	C15orf27	6.06E-03	-0.37
ILMN_1784005	LOC644615	6.09E-03	0.45
ILMN_1768553	LOC283050	6.10E-03	-0.56
ILMN_1701248	TREM2	6.13E-03	-0.57
ILMN_1904138		6.14E-03	0.25
ILMN_2362581	FNDC3A	6.14E-03	0.35
ILMN_1807106	LDHA	6.15E-03	0.42
ILMN_1768577	PCSK6	6.15E-03	-0.20
ILMN_2396020	DUSP6	6.15E-03	-0.53
ILMN_2066858	TNFSF13B	6.15E-03	-0.43
ILMN_3232156	C7orf58	6.17E-03	-0.13
ILMN_1683859	SLC7A1	6.21E-03	-0.51
ILMN_1695271	RPP25	6.21E-03	0.26
ILMN_1748591	ODC1	6.34E-03	-0.37
ILMN_2084073	UCN	6.34E-03	0.34
ILMN_1753342	SAT1	6.34E-03	0.33
ILMN_2047112	RP11-529I10.4	6.34E-03	-0.17
ILMN_1757287	MAPK6	6.34E-03	0.46
ILMN_2198499	MCART1	6.39E-03	0.18
ILMN_1812503	PHKA1	6.40E-03	0.25
ILMN_1686748	TMEM9	6.44E-03	-0.33
ILMN_1724066	PLCB2	6.44E-03	-0.39
ILMN_1873620		6.47E-03	0.32
ILMN_2376408	DPM3	6.48E-03	0.37
ILMN_1793476	PRKCDBP	6.48E-03	-0.48
ILMN_1741356	PRICKLE1	6.48E-03	-0.20

ILMN_1806165	HSPA6	6.48E-03	-0.54
ILMN_2367681	SPAG1	6.51E-03	-0.24
ILMN_1736510	FOXN2	6.52E-03	0.50
ILMN_1659914	C9orf98	6.58E-03	-0.41
ILMN_2372413	BID	6.64E-03	-0.49
ILMN_1749447	RPS9	6.65E-03	0.45
ILMN_1784948	SPOCD1	6.67E-03	-0.40
ILMN_1764030	CCL23	6.67E-03	-0.59
ILMN_1772387	TLR2	6.67E-03	0.29
ILMN_1708611	RDX	6.74E-03	0.47
ILMN_1660462	MCOLN2	6.76E-03	-0.68
ILMN_2066066	HLA-DRB6	6.76E-03	-0.45
ILMN_1803779	AP2A2	6.80E-03	0.21
ILMN_2376502	RHOBTB1	6.82E-03	0.22
ILMN_1717207	MMP25	6.85E-03	-0.57
ILMN_3210491	LOC389049	6.86E-03	0.36
ILMN_2312897	DGUOK	6.97E-03	0.43
ILMN_2285817	FAM89A	6.98E-03	0.63
ILMN_1781812	NR4A3	7.02E-03	-0.17
ILMN_1696407	SFRS2	7.03E-03	-0.46
ILMN_1704531	PTGR1	7.06E-03	-0.56
ILMN_1785071	SEPP1	7.07E-03	0.62
ILMN_1716547	NAGK	7.11E-03	-0.62
ILMN_1874323		7.11E-03	0.14
ILMN_1737514	KYNU	7.16E-03	-0.71
ILMN_1743130	PTGFRN	7.16E-03	-0.29
ILMN_1730491	FMNL2	7.18E-03	0.36
ILMN_1756862	APOL3	7.18E-03	-0.36
ILMN_1673409	MGC16121	7.18E-03	-0.21
ILMN_2077680	CLDND2	7.19E-03	0.26
ILMN_3275672	LOC643873	7.20E-03	0.38
ILMN_1806533	PDE7B	7.21E-03	0.16
ILMN_1679267	TGM2	7.22E-03	-0.24
ILMN_2150654	ZSWIM4	7.31E-03	-0.44
ILMN_1660031	P2RY6	7.33E-03	-0.70
ILMN_1808114	LYVE1	7.33E-03	0.56
ILMN_1755411	RBMS2	7.33E-03	0.28
ILMN_1758642	FLJ90757	7.33E-03	-0.22
ILMN_1725675	ABCC6	7.35E-03	-0.13
ILMN_3199755	LOC646821	7.38E-03	-0.28
ILMN_1755937	ANXA2	7.40E-03	-0.41
ILMN_1797372	C3orf58	7.40E-03	0.29
ILMN_1790412	FLJ39639	7.41E-03	0.31
ILMN_2165867	DHCR7	7.42E-03	-0.38
ILMN_1700507	CLASP1	7.49E-03	0.34
ILMN_1772588	C6orf97	7.53E-03	-0.17

ILMN_1766359	GATAD2B	7.56E-03	0.26
ILMN_1705984	HNMT	7.58E-03	-0.27
ILMN_1651557	KDELC2	7.61E-03	-0.31
ILMN_1718936	LST1	7.61E-03	-0.55
ILMN_1815719	PLCG2	7.62E-03	-0.48
ILMN_3201115	LOC440043	7.63E-03	-0.36
ILMN_1672496	DNAJA1	7.64E-03	-0.49
ILMN_2395856	TMEM218	7.70E-03	0.38
ILMN_1769412	RAPGEF1	7.70E-03	-0.52
ILMN_1662358	MX1	7.72E-03	-0.54
ILMN_3211935	LOC100132715	7.72E-03	-0.39
ILMN_1674574	VNN1	7.76E-03	0.37
ILMN_1665526	TCEA2	7.76E-03	0.32
ILMN_2284744	HNMT	7.82E-03	-0.49
ILMN_2091792	ENTPD6	7.90E-03	0.47
ILMN_3251526	USP13	7.90E-03	-0.19
ILMN_2095759	OGFRL1	7.94E-03	0.39
ILMN_1807825	LY86	7.99E-03	-0.53
ILMN_1721978	CARD11	8.00E-03	0.23
ILMN_1810559	RHOQ	8.00E-03	0.48
ILMN_2222688	TMSB4X	8.00E-03	-0.23
ILMN_1765557	OLFML2B	8.00E-03	0.59
ILMN_2410783	GAA	8.01E-03	0.40
ILMN_1788783	TRAM2	8.09E-03	0.29
ILMN_1729691	SLC16A6	8.09E-03	0.42
ILMN_1747347	C17orf60	8.10E-03	-0.42
ILMN_1751898	C12orf4	8.13E-03	-0.33
ILMN_1652906	GBGT1	8.18E-03	0.37
ILMN_1719988	HAL	8.19E-03	0.16
ILMN_2075189	SLC35F2	8.26E-03	-0.19
ILMN_2398627	TENC1	8.30E-03	0.11
ILMN_1795300	FLJ41603	8.33E-03	0.34
ILMN_3199916	LOC100130980	8.37E-03	0.35
ILMN_1789614	TPT1	8.40E-03	0.45
ILMN_1698725	FRMD3	8.40E-03	-0.20
ILMN_1654065	ATOH8	8.45E-03	0.29
ILMN_1808566	TMEM180	8.45E-03	0.35
ILMN_3211132	LOC645173	8.45E-03	0.49
ILMN_1699644	42066	8.45E-03	-0.24
ILMN_1653794	C6orf160	8.45E-03	0.42
ILMN_1684576	CLN8	8.45E-03	0.21
ILMN_1655930	ELL2	8.45E-03	0.46
ILMN_1726114	SLC45A3	8.45E-03	0.34
ILMN_2181445	BCL2L13	8.45E-03	-0.41
ILMN_1690963	ASAP1	8.45E-03	-0.39
ILMN_2370573	XAF1	8.45E-03	-0.45

ILMN_1787461	RUNX3	8.45E-03	-0.46
ILMN_1773125	ENTPD1	8.45E-03	-0.39
ILMN_2083588	TTC32	8.45E-03	0.30
ILMN_1675117	HSD17B11	8.46E-03	0.43
ILMN_1754158	C6orf185	8.46E-03	0.17
ILMN_1721128	TOMM34	8.49E-03	-0.45
ILMN_1773073	PHYH	8.57E-03	0.42
ILMN_1724897	C14orf93	8.59E-03	0.28
ILMN_1751726	LOC649049	8.59E-03	0.42
ILMN_1715991	SDPR	8.60E-03	0.25
ILMN_3240838	SLC25A6	8.61E-03	0.41
ILMN_1764321	ACOT4	8.61E-03	-0.53
ILMN_1679797	ADARB1	8.67E-03	-0.36
ILMN_1755235	XPO6	8.67E-03	-0.40
ILMN_1764090	AK3L1	8.69E-03	-0.63
ILMN_1793950	P704P	8.70E-03	-0.29
ILMN_1653466	HES4	8.73E-03	-0.60
ILMN_1699100	SOAT1	8.78E-03	0.47
ILMN_1684629	C20orf26	8.78E-03	-0.14
ILMN_1669881	TSPAN13	8.78E-03	-0.42
ILMN_1664718	CYP51A1	8.82E-03	-0.39
ILMN_1767900	LGI2	8.84E-03	-0.14
ILMN_3281195	LOC440459	8.84E-03	0.23
ILMN_1714197	ACSS2	8.89E-03	-0.48
ILMN_1656165	USP9X	8.89E-03	0.38
ILMN_1660973	GAD1	8.90E-03	0.18
ILMN_1712532	CARD9	8.90E-03	-0.72
ILMN_3243714	LOC642073	8.91E-03	-0.48
ILMN_1691097	HSP90AA1	8.91E-03	-0.44
ILMN_1763433	TRIM9	8.92E-03	0.24
ILMN_1692664	PRR5	8.92E-03	-0.28
ILMN_1769406	PIAS2	8.92E-03	0.19
ILMN_1748883	CDKN2D	8.92E-03	0.28
ILMN_1763228	MEF2D	8.93E-03	-0.44
ILMN_3245869	LOC440957	8.94E-03	0.54
ILMN_1730201	DTNA	8.94E-03	-0.25
ILMN_1751561	CAMK1D	8.94E-03	0.23
ILMN_1741431	AOC2	8.94E-03	0.33
ILMN_1749070	HLA-DPB1	8.94E-03	-0.28
ILMN_1788540	LOC732075	8.95E-03	0.14
ILMN_1752965	GREM1	9.03E-03	-0.66
ILMN_1782829	GLTSCR1	9.03E-03	0.34
ILMN_3207020	LOC388556	9.07E-03	0.46
ILMN_1806809	ZNF189	9.09E-03	0.43
ILMN_1752046	SH2B3	9.09E-03	-0.44
ILMN_1756590	SYS1	9.15E-03	0.44

ILMN_3192791	HNRNPM	9.15E-03	-0.35
ILMN_1679912	DPH3	9.19E-03	0.38
ILMN_1666269	CTSZ	9.25E-03	-0.53
ILMN_1720604	ARSG	9.27E-03	0.26
ILMN_1682761	C17orf87	9.30E-03	-0.51
ILMN_3305614	ZNF812	9.33E-03	0.15
ILMN_1801476	CDS1	9.35E-03	-0.21
ILMN_3184724	C7orf58	9.35E-03	-0.13
ILMN_1796508	TOP1MT	9.39E-03	-0.32
ILMN_1655497	EIF4B	9.45E-03	0.41
ILMN_1698668	NR1D2	9.50E-03	-0.18
ILMN_1689378	CCRN4L	9.53E-03	-0.32
ILMN_1678547	CPNE9	9.56E-03	-0.14
ILMN_1779547	HPSE	9.65E-03	-0.81
ILMN_2143795	MGC4677	9.68E-03	-0.58
ILMN_1716563	PRKCB1	9.69E-03	-0.18
ILMN_1735367	HSD17B11	9.69E-03	0.47
ILMN_1738523	MYD88	9.73E-03	-0.55
ILMN_1766637	GLA	9.73E-03	-0.41
ILMN_1770373	TMEM39A	9.74E-03	0.19
ILMN_2341595	KITLG	9.78E-03	-0.59

Apoptotic neutrophils (PMNs)

ProbeID	Gene Symbol	FDR	Log₂[PMNs/NoTx]
ILMN_2053415	LDLR	6.82E-08	-1.96
ILMN_1800512	HMOX1	3.94E-04	1.44
ILMN_1793474	INSIG1	3.94E-04	-1.01
ILMN_1670134	FADS1	3.94E-04	-0.78
ILMN_1742618	XAF1	5.89E-04	-0.84
ILMN_1723912	IFI44L	1.02E-03	-1.39
ILMN_1661599	DDIT4	1.11E-03	-1.07
ILMN_2197365	RGS2	1.43E-03	-0.82
ILMN_1747347	C17orf60	1.68E-03	-0.70
ILMN_1780769	TUBB2C	1.73E-03	0.65
ILMN_3306997	METTL1	1.84E-03	0.55
ILMN_1727309	FAM82A2	1.84E-03	0.93
ILMN_1711608	SSBP2	1.84E-03	-0.44
ILMN_1657435	MT1M	1.97E-03	-1.68
ILMN_1718766	MT1F	2.07E-03	-0.94
ILMN_1740418	CYP27B1	2.86E-03	0.78
ILMN_2136089	MTE	2.86E-03	-1.31
ILMN_1662640	C20orf127	3.37E-03	-1.27
ILMN_1720889	SC4MOL	3.37E-03	-0.83
ILMN_3245458	SNORA61	3.37E-03	0.56

ILMN_1807919	TNS1	3.37E-03	0.49
ILMN_1795963	OKL38	3.37E-03	0.49
ILMN_1778144	FLJ20489	3.55E-03	0.78
ILMN_1696537	DDIT4L	3.68E-03	0.58
ILMN_1761281	LOC441019	3.93E-03	-1.21
ILMN_1689842	SC4MOL	3.93E-03	-0.60
ILMN_2403237	CHN2	4.26E-03	-0.45
ILMN_1753111	NAMPT	4.26E-03	-0.55
ILMN_1798181	IRF7	4.26E-03	-0.92
ILMN_1653712	UAP1L1	4.26E-03	0.42
ILMN_1699071	C21orf7	4.26E-03	-0.50
ILMN_2144088	FDFT1	4.26E-03	-0.59
ILMN_1657708	MGLL	4.27E-03	0.47
ILMN_2195821	C5orf41	4.27E-03	-0.52
ILMN_1769876	TBC1D2	4.27E-03	0.59
ILMN_1659801	ATP6V1C1	4.27E-03	0.40
ILMN_1687757	AKR1C4	4.28E-03	0.77
ILMN_2312194	CYB5A	4.70E-03	0.54
ILMN_2361603	NDRG2	4.70E-03	0.60
ILMN_1697309	NCF1	4.72E-03	-0.64
ILMN_1726114	SLC45A3	4.74E-03	0.58
ILMN_2310896	NLRP3	4.74E-03	-0.53
ILMN_1729188	HAMP	4.74E-03	1.47
ILMN_1712026	NLRP3	4.90E-03	-0.57
ILMN_1757867	MTM	4.97E-03	-0.25
ILMN_1707695	IFIT1	4.97E-03	-0.94
ILMN_1674183	MT1JP	4.97E-03	-0.72
ILMN_2329927	ABCG1	4.99E-03	1.04
ILMN_1755075	IDI1	4.99E-03	-0.48
ILMN_1654118	BCL2L1	5.32E-03	0.66
ILMN_1720373	SLC7A5	5.32E-03	-0.78
ILMN_2174612	CNOT8	5.54E-03	-0.45
ILMN_1751901	TMEM163	5.56E-03	0.33
ILMN_1660436	HSPA1B	5.56E-03	0.52
ILMN_1739751	SLC26A11	5.56E-03	0.83
ILMN_1815500	ITPR3	6.32E-03	0.32
ILMN_1683456	CCL7	6.32E-03	0.49
ILMN_2165993	ITLN1	6.32E-03	0.36
ILMN_3213185	LOC645452	6.32E-03	0.54
ILMN_1723412	ASCL2	6.32E-03	-0.66
ILMN_1764383	MCOLN1	6.32E-03	0.55
ILMN_1712475	HS3ST2	6.32E-03	0.72
ILMN_2405521	MTHFD2	6.40E-03	-0.49
ILMN_1755974	ALDOC	6.40E-03	-0.47
ILMN_1776649	LRRK2	6.44E-03	-0.37
ILMN_1814022	NR1H3	6.67E-03	0.77

ILMN_1655077	PRDM1	6.71E-03	-0.46
ILMN_1736939	UGCG	6.71E-03	0.69
ILMN_2376403	TSC22D3	6.81E-03	-0.47
ILMN_1652198	CCM2	6.83E-03	-0.45
ILMN_1720048	CCL2	7.25E-03	0.79
ILMN_1814305	SAMD9	7.25E-03	-0.85
ILMN_1672662	SLC20A1	7.25E-03	0.53
ILMN_2082209	C20orf100	7.40E-03	-0.54
ILMN_1736982	PHACTR1	7.59E-03	0.45
ILMN_3238183	BMS1P5	7.85E-03	0.47
ILMN_2225974	GCLM	8.34E-03	0.34
ILMN_3226214	LOC728755	8.34E-03	0.34
ILMN_2117809	DUXAP3	8.34E-03	0.47
ILMN_3235637	LOC100128288	8.34E-03	0.47
ILMN_1773006	FABP4	8.78E-03	0.55
ILMN_1713124	AKR1C3	8.94E-03	1.34
ILMN_2348487	EMR3	9.26E-03	-0.33
ILMN_2049364	FAM119A	9.26E-03	0.48
ILMN_1661622	TBC1D7	9.26E-03	0.55
ILMN_1811616	EEPD1	9.33E-03	0.50
ILMN_1689371	GIMAP2	9.33E-03	-0.39
ILMN_1692177	TSC22D1	9.36E-03	-0.45
ILMN_1700232	FBXO30	9.43E-03	0.34
ILMN_1677607	SC5DL	9.43E-03	-0.43
ILMN_1678799	RAPGEF1	9.43E-03	0.20
ILMN_3223500	LOC728903	9.44E-03	0.49
ILMN_1700690	VAT1	9.79E-03	0.45
ILMN_2291619	RAB3IP	9.90E-03	0.26
ILMN_2150294	FKBP14	9.90E-03	0.57
ILMN_1788547	GCLM	9.90E-03	0.60
ILMN_1714393	RAB24	9.90E-03	-0.28
ILMN_2379718	RAB24	9.99E-03	-0.40
ILMN_1683923	MT1H	9.99E-03	-1.29
ILMN_1674063	OAS2	9.99E-03	-0.82
ILMN_1707088	DENND2D	9.99E-03	0.52

Supplemental Table E3. List of differentially enriched pathways in non-CF subjects exposed to 5 different M2 stimuli. FDR: false discovery rate.

Up-regulated in response to IL10	
Gene Set Name	FDR
KEGG_PATHOGENIC_ESCHERICHIA_COLI_INFECTION	0.00E+00
GO_COATED_PIT	0.00E+00
GO_ENDOCYTOSIS	0.00E+00
PID_PDGFRB_PATHWAY	1.96E-04
REACTOME_L1CAM_INTERACTIONS	2.29E-04
REACTOME_SIGNAL_TRANSDUCTION_BY_L1	2.75E-04
GO_LEUKOCYTE_MIGRATION	3.43E-04
PID_VEGFR1_2_PATHWAY	5.14E-04
GO_EPHRIN_RECEPTOR_SIGNALING_PATHWAY	6.04E-04
GO_CLATHRIN_COATED_VESICLE_MEMBRANE	1.09E-03
GO_STRUCTURAL_CONSTITUENT_OF_CYTOSKELETON	1.46E-03
GO_LEUKOCYTE_CHEMOTAXIS	1.48E-03
GO_FC_GAMMA_RECEPTOR_SIGNALING_PATHWAY	1.49E-03
REACTOME_AXON_GUIDANCE	1.58E-03
GO_PHAGOCYTOSIS	1.62E-03
GO_TAXIS	1.64E-03
GO_ESTABLISHMENT_OF_PROTEIN_LOCALIZATION_TO_PLASMA_MEMBRANE	1.67E-03
GO_CELL_CHEMOTAXIS	1.68E-03
GO_MEMBRANE_MICRODOMAIN	1.69E-03
GO_PLASMA_MEMBRANE_ORGANIZATION	1.71E-03
GO_RECEPTOR_MEDIATED_ENDOCYTOSIS	1.73E-03
GO_MYELOID_LEUKOCYTE_MIGRATION	1.76E-03
PID_MET_PATHWAY	1.97E-03
GO_REGULATION_OF_PATHWAY_RESTRICTED_SMAD_PROTEIN_PHOSPHORYLATION	2.23E-03
GO_VESICLE_COAT	2.25E-03
PID_ARF6_TRAFFICKING_PATHWAY	2.95E-03
REACTOME_DEVELOPMENTAL_BIOLOGY	3.71E-03
GO_GRANULOCYTE_MIGRATION	4.06E-03
GO_LABYRINTHINE_LAYER_DEVELOPMENT	4.49E-03
BIOCARTA_MCALPAIN_PATHWAY	5.25E-03
PID_TOLL_ENDOGENOUS_PATHWAY	5.39E-03
GO_CHEMOKINE_RECEPTOR_BINDING	7.60E-03
PID_FCER1_PATHWAY	7.62E-03
GO_POSITIVE_REGULATION_OF_PATHWAY_RESTRICTED_SMAD_PROTEIN_PHOSPHORYLATION	7.63E-03
GO_REGULATION_OF_ORGAN_GROWTH	7.68E-03
GO_RESPONSE_TO_FLUID_SHEAR_STRESS	7.74E-03
GO_EMBRYONIC_PLACENTA_DEVELOPMENT	7.84E-03
KEGG_REGULATION_OF_ACTIN_CYTOSKELETON	7.84E-03

GO_NITRIC_OXIDE_MEDIATED_SIGNAL_TRANSDUCTION	7.85E-03
PID_FAK_PATHWAY	7.87E-03
PID_HDAC_CLASSII_PATHWAY	7.89E-03
PID_AP1_PATHWAY	7.92E-03
GO_CLATHRIN_COATED_VESICLE	7.93E-03
GO_REGULATION_OF_ENDOCYTOSIS	8.06E-03
GO_POSITIVE_REGULATION_OF_RESPONSE_TO_WOUNDING	8.09E-03
KEGG_GAP_JUNCTION	8.15E-03
GO_PROTEIN_LOCALIZATION_TO_CELL_PERIPHERY	8.22E-03
PID_EPHB_FWD_PATHWAY	8.25E-03
HALLMARK_EPITHELIAL_MESENCHYMAL_TRANSITION	8.29E-03
GO_LYMPHOCYTE_CHEMOTAXIS	9.11E-03
GO_REGULATION_OF_ACTIN_FILAMENT_LENGTH	9.26E-03
GO_CCR_CHEMOKINE_RECEPTOR_BINDING	9.37E-03
GO_REGULATION_OF_BIOMINERAL_TISSUE_DEVELOPMENT	9.79E-03
GO_ACTIN_CYTOSKELETON_REORGANIZATION	1.00E-02
PID_WNT_NONCANONICAL_PATHWAY	1.01E-02
REACTOME_SEMAPHORIN_INTERACTIONS	1.01E-02
GO_MONOCYTE_CHEMOTAXIS	1.02E-02
GO_REGULATION_OF_ACTIN_FILAMENT_DEPOLYMERIZATION	1.02E-02
GO_LYMPHOCYTE_MIGRATION	1.02E-02
GO_IGG_BINDING	1.04E-02
GO_WOUND_HEALING	1.05E-02
GO_CELL_LEADING_EDGE	1.05E-02
KEGG_ADHERENS_JUNCTION	1.07E-02
GO_PHOSPHOLIPASE_C_ACTIVATING_G_PROTEIN_COUPLED_RECEPTOR_SIGNALING_PATHWAY	1.08E-02
GO_REGULATION_OF_VESICLE_MEDIATED_TRANSPORT	1.08E-02
GO_ACTIN_FILAMENT_BASED_PROCESS	1.09E-02
GO_CALCIIUM_ACTIVATED_POTASSIUM_CHANNEL_ACTIVITY	1.09E-02
GO_POSITIVE_REGULATION_OF_RESPONSE_TO_EXTERNAL_STIMULUS	1.10E-02
GO_HEMOSTASIS	1.10E-02
GO_ENDOSOMAL_PART	1.10E-02
PID_NOTCH_PATHWAY	1.11E-02
GO_POSITIVE_REGULATION_OF_ENDOCYTOSIS	1.11E-02
GO_CELL_SUBSTRATE_JUNCTION	1.11E-02
GO_CLATHRIN_COATED_ENDOCYTIC_VESICLE	1.18E-02
PID_ANGIOPOIETIN_RECEPTOR_PATHWAY	1.19E-02
REACTOME_FORMATION_OF_TUBULIN_FOLDING_INTERMEDIATES_BY_CCT_TRIC	1.25E-02
GO_EARLY_ENDOSOME	1.27E-02
SIG_INSULIN_RECEPTOR_PATHWAY_IN_CARDIAC_MYOCYTES	1.31E-02
REACTOME_POST_CHAPERONIN_TUBULIN_FOLDING_PATHWAY	1.32E-02
GO_CLATHRIN_VESICLE_COAT	1.32E-02
GO_EARLY_ENDOSOME_MEMBRANE	1.33E-02

GO_REGULATION_OF_ACTIN_FILAMENT_BASED_PROCESS	1.35E-02
GO_TRANSMEMBRANE_RECEPTOR_PROTEIN_TYROSINE_KINASE_SIGNALING_PATHWAY	1.36E-02
GO_CLATHRIN_COATED_ENDOCYTIC_VESICLE_MEMBRANE	1.36E-02
GO_CALCIIUM_ACTIVATED_CATION_CHANNEL_ACTIVITY	1.36E-02
GO_CLATHRIN_COAT_OF_COATED_PIT	1.36E-02
GO_REGULATION_OF_CELLULAR_RESPONSE_TO_GROWTH_FACTOR_STIMULUS	1.37E-02
GO_PHAGOCYTOIC_CUP	1.37E-02
GO_REGULATION_OF_CELLULAR_COMPONENT_SIZE	1.37E-02
GO_RECYCLING_ENDOSOME_MEMBRANE	1.38E-02
REACTOME_PROTEIN_FOLDING	1.39E-02
GO_REGULATION_OF_INFLAMMATORY_RESPONSE	1.40E-02
GO_MORPHOGENESIS_OF_AN_EPITHELIUM	1.43E-02
GO_RESPONSE_TO_LAMINAR_FLUID_SHEAR_STRESS	1.44E-02
GO_RESPONSE_TO_GROWTH_HORMONE	1.44E-02
GO_MEMBRANE_RAFT_ORGANIZATION	1.45E-02
GO_NEGATIVE_REGULATION_OF_ERBB_SIGNALING_PATHWAY	1.45E-02
HALLMARK_TGF_BETA_SIGNALING	1.46E-02
REACTOME_NGF_SIGNALLING_VIA_TRKA_FROM_THE_PLASMA_MEMBRANE	1.48E-02
GO_BLOOD_MICROPARTICLE	1.51E-02
GO_EMBRYONIC_PLACENTA_MORPHOGENESIS	1.52E-02
GO_NEGATIVE_REGULATION_OF_ACTIN_FILAMENT_DEPOLYMERIZATION	1.52E-02
GO_LAMELLIPODIUM	1.52E-02
KEGG_ENDOCYTOSIS	1.52E-02
GO_NEGATIVE_REGULATION_OF_PROTEIN_LOCALIZATION_TO_CELL_PERIPHERY	1.53E-02
PID_NFAT_TFPATHWAY	1.53E-02
GO_ANCHORING_JUNCTION	1.53E-02
GO_CARGO_RECEPTOR_ACTIVITY	1.54E-02
REACTOME_PLATELET_ACTIVATION_SIGNALING_AND_AGGREGATION	1.54E-02
BIOCARTA_ERK_PATHWAY	1.57E-02
GO_MANGANESE_ION_BINDING	1.59E-02
HALLMARK_TNFA_SIGNALING_VIA_NFKB	1.60E-02
GO_NEGATIVE_REGULATION_OF_CYCLIC_NUCLEOTIDE_METABOLIC_PROCESS	1.61E-02
SA_B_CELL_RECEPTOR_COMPLEXES	1.61E-02
GO_REGULATION_OF_RESPONSE_TO_WOUNDING	1.61E-02
GO_SMALL_GTPASE_MEDIATED_SIGNAL_TRANSDUCTION	1.61E-02
GO_ACTOMYOSIN	1.64E-02
KEGG_HEMATOPOIETIC_CELL_LINEAGE	1.71E-02
GO_HIPPO_SIGNALING	1.75E-02
BIOCARTA_ARAP_PATHWAY	1.75E-02
REACTOME_IL_3_5_AND_GM-CSF_SIGNALING	1.76E-02
GO_REGULATION_OF_PEPTIDYL_TYROSINE_PHOSPHORYLATION	1.76E-02
HALLMARK_INFLAMMATORY_RESPONSE	1.81E-02
KEGG_FOCAL_ADHESION	1.82E-02

GO_MEMBRANE_ASSEMBLY	1.87E-02
GO_CELLULAR_RESPONSE_TO_GROWTH_HORMONE_STIMULUS	1.94E-02
GO_REGULATION_OF_SENSORY_PERCEPTION	1.96E-02
GO_REGULATION_OF_THE_FORCE_OF_HEART_CONTRACTION	1.96E-02
GO_REGULATION_OF_CYTOSKELETON_ORGANIZATION	1.96E-02
GO_NEGATIVE_REGULATION_OF_PROTEIN_LOCALIZATION_TO_PLASMA_MEMBRANE	2.00E-02
REACTOME_SIGNALING_BY_EGFR_IN_CANCER	2.00E-02
GO_T_CELL_MIGRATION	2.09E-02
GO_NEGATIVE_REGULATION_OF_CD4_POSITIVE_ALPHA_BETA_T_CELL_ACTIVATION	2.10E-02
REACTOME_HEMOSTASIS	2.11E-02
GO_CYTOKINE_PRODUCTION_INVOLVED_IN_IMMUNE_RESPONSE	2.17E-02
KEGG_DILATED_CARDIOMYOPATHY	2.19E-02
GO_POSITIVE_REGULATION_OF_INFLAMMATORY_RESPONSE	2.19E-02
GO_LAMELLIPODIUM_ORGANIZATION	2.26E-02
GO_PLACENTA_BLOOD_VESSEL_DEVELOPMENT	2.27E-02
REACTOME_SIGNALING_BY_ROBO_RECEPTOR	2.27E-02
HALLMARK_IL6_JAK_STAT3_SIGNALING	2.27E-02
PID_ERBB2_ERBB3_PATHWAY	2.28E-02
GO_POSITIVE_REGULATION_OF_FAT_CELL_DIFFERENTIATION	2.30E-02
KEGG_CHRONIC_MYELOID_LEUKEMIA	2.31E-02
PID_ALK1_PATHWAY	2.31E-02
GO_PROXIMAL_DISTAL_PATTERN_FORMATION	2.32E-02
GO_COATED_VESICLE_MEMBRANE	2.33E-02
GO_COATED_VESICLE	2.33E-02
KEGG_HYPERTROPHIC_CARDIOMYOPATHY_HCM	2.33E-02
REACTOME_SEMA3A_PLEXIN_REPULSION_SIGNALING_BY_INHIBITING_INTEGRIN_ADHESION	2.33E-02
GO_JAK_STAT_CASCADE_INVOLVED_IN_GROWTH_HORMONE_SIGNALING_PATHWAY	2.35E-02
ST_INTEGRIN_SIGNALING_PATHWAY	2.35E-02
GO_CELLULAR_RESPONSE_TO_PROSTAGLANDIN_E_STIMULUS	2.35E-02
GO_GTPASE_ACTIVITY	2.36E-02
GO_ENDOTHELIUM_DEVELOPMENT	2.36E-02
GO_RETINA_VASCULATURE_DEVELOPMENT_IN_CAMERA_TYPE_EYE	2.37E-02
GO_PHOSPHOLIPID_TRANSPORTER_ACTIVITY	2.38E-02
REACTOME_MAPK_TARGETS_NUCLEAR_EVENTS_MEDIATED_BY_MAP_KINASES	2.38E-02
GO_RUFFLE	2.42E-02
BIOCARTA_CDC42RAC_PATHWAY	2.43E-02
GO_REGULATION_OF_ERK1_AND_ERK2_CASCADE	2.44E-02
REACTOME_MEMBRANE_TRAFFICKING	2.45E-02
GO_REGULATION_OF_DNA_TEMPLATED_TRANSCRIPTION_IN_RESPONSE_TO_STRESS	2.49E-02
REACTOME_CLASS_B_2_SECRETIN_FAMILY_RECEPTORS	2.50E-02
GO_MYELOID_LEUKOCYTE_ACTIVATION	2.59E-02
GO_ENDOMEMBRANE_SYSTEM_ORGANIZATION	2.60E-02
BIOCARTA_MPR_PATHWAY	2.60E-02

GO_ENDOCYTIC_VESICLE	2.64E-02
GO_REGULATION_OF_ERBB_SIGNALING_PATHWAY	2.74E-02
PID_IL5_PATHWAY	2.77E-02
GO_NEGATIVE_REGULATION_OF_ORGAN_GROWTH	2.94E-02
GO_ENDOTHELIAL_CELL_DIFFERENTIATION	2.94E-02
PID_IL3_PATHWAY	2.98E-02
KEGG_RENAL_CELL_CARCINOMA	2.99E-02
GO_RECYCLING_ENDOSOME	2.99E-02
REACTOME_SEMA3A_PAK_DEPENDENT_AXON_REPULSION	2.99E-02
GO_CELLULAR_RESPONSE_TO_EXTERNAL_STIMULUS	3.00E-02
GO_CHEMOKINE_ACTIVITY	3.00E-02
REACTOME_REGULATION_OF_INSULIN_SECRETION	3.01E-02
GO_CARDIAC_MUSCLE_TISSUE_DEVELOPMENT	3.03E-02
GO_REGULATION_OF_ANATOMICAL_STRUCTURE_SIZE	3.05E-02
GO_POSITIVE_REGULATION_OF_CELL_MORPHOGENESIS_INVOLVED_IN_DIFFERENTIATION	3.14E-02
GO_CELLULAR_RESPONSE_TO_FLUID_SHEAR_STRESS	3.14E-02
GO_CELLULAR_RESPONSE_TO_GLUCAGON_STIMULUS	3.16E-02
GO_MACROPHAGE_ACTIVATION	3.16E-02
GO_REGULATION_OF_SENSORY_PERCEPTION_OF_PAIN	3.17E-02
GO_REGULATION_OF_RECEPTOR_MEDIATED_ENDOCYTOSIS	3.18E-02
GO_NEGATIVE_REGULATION_OF_ADAPTIVE_IMMUNE_RESPONSE	3.19E-02
GO_FC_RECEPTOR_SIGNALING_PATHWAY	3.20E-02
GO_POSITIVE_REGULATION_OF_PEPTIDYL_TYROSINE_PHOSPHORYLATION	3.20E-02
GO_NEGATIVE_REGULATION_OF_ALPHA_BETA_T_CELL_DIFFERENTIATION	3.20E-02
PID_IL8_CXCR2_PATHWAY	3.20E-02
GO_REGULATION_OF_OSSIFICATION	3.21E-02
GO_REGULATION_OF_TYROSINE_PHOSPHORYLATION_OF_STAT_PROTEIN	3.21E-02
KEGG_MELANOGENESIS	3.21E-02
GO_REGULATION_OF_EPITHELIAL_TO_MESENCHYMAL_TRANSITION	3.21E-02
REACTOME_SEMA4D_IN_SEMAPHORIN_SIGNALING	3.21E-02
GO_IMMUNOGLOBULIN_BINDING	3.22E-02
GO_RAS_PROTEIN_SIGNAL_TRANSDUCTION	3.25E-02
PID_ATF2_PATHWAY	3.27E-02
GO_NEGATIVE_REGULATION_OF_ACTIN_FILAMENT_POLYMERIZATION	3.28E-02
PID_ER_NONGENOMIC_PATHWAY	3.31E-02
GO_ENDOLYSOSOME	3.33E-02
PID_IL2_1PATHWAY	3.34E-02
GO_ACTIN_BINDING	3.34E-02
GO_IN_UTERO_EMBRYONIC_DEVELOPMENT	3.34E-02
GO_RAC_PROTEIN_SIGNAL_TRANSDUCTION	3.35E-02
GO_NEGATIVE_REGULATION_OF_LEUKOCYTE_DIFFERENTIATION	3.35E-02
HALLMARK_HYPOXIA	3.35E-02
GO_REGULATION_OF_WNT_SIGNALING_PATHWAY_PLANAR_CELL_POLARITY_PATHWAY	3.35E-02

REACTOME_ERK_MAPK_TARGETS	3.36E-02
HALLMARK_ANDROGEN_RESPONSE	3.36E-02
PID_ERBB1_INTERNALIZATION_PATHWAY	3.36E-02
GO_LEUKOCYTE_DEGRANULATION	3.37E-02
GO_GDP_BINDING	3.37E-02
REACTOME_GAP_JUNCTION_DEGRADATION	3.37E-02
REACTOME_PREFOLDIN_MEDIATED_TRANSFER_OF_SUBSTRATE_TO_CCT_TRIC	3.38E-02
REACTOME_RETROGRADE_NEUROTROPHIN_SIGNALLING	3.38E-02
GO_POSITIVE_REGULATION_OF_ATPASE_ACTIVITY	3.39E-02
GO_REGULATION_OF_TRANSMEMBRANE_RECEPTOR_PROTEIN_SERINE_THREONINE_KINASE	3.46E-02
GO_ASTROCYTE_DEVELOPMENT	3.46E-02
GO_PHOSPHATASE_COMPLEX	3.46E-02
GO_RUFFLE_ORGANIZATION	3.46E-02
GO_EXTRINSIC_COMPONENT_OF_CYTOPLASMIC_SIDE_OF_PLASMA_MEMBRANE	3.49E-02
GO_ACTIN_FILAMENT_BINDING	3.49E-02
GO_VASCULOGENESIS	3.50E-02
REACTOME_ERKS_ARE_INACTIVATED	3.50E-02
PID_PTP1B_PATHWAY	3.53E-02
PID_ARF_3PATHWAY	3.53E-02
REACTOME_THROMBOXANE_SIGNALLING_THROUGH_TP_RECEPTOR	3.54E-02
GO_CELL_DIFFERENTIATION_INVOLVED_IN_EMBRYONIC_PLACENTA_DEVELOPMENT	3.56E-02
GO_ASTROCYTE_DIFFERENTIATION	3.57E-02
GO_EPIDERMAL_GROWTH_FACTOR_RECEPTOR_SIGNALING_PATHWAY	3.57E-02
GO_REGULATION_OF_COAGULATION	3.58E-02
GO_LAMELLIPODIUM_ASSEMBLY	3.58E-02
REACTOME_AQUAPORIN_MEDIATED_TRANSPORT	3.59E-02
GO_DIVALENT_INORGANIC_CATION_HOMEOSTASIS	3.70E-02
GO_PLATELET_ACTIVATION	3.71E-02
PID_NFAT_3PATHWAY	3.72E-02
GO_INFLAMMATORY_RESPONSE	3.73E-02
GO_CELL_SUBSTRATE_ADHESION	3.76E-02
GO_REGULATION_OF_TRANSCRIPTION_RNA_POLYMERASE_II_IN_RESPONSE_TO_STRESS	3.79E-02
GO_NEGATIVE_REGULATION_OF_CELL_CELL_ADHESION	3.80E-02
GO TRABECULA MORPHOGENESIS	3.80E-02
KEGG_FC_GAMMA_R_MEDIATED_PHAGOCYTOSIS	3.80E-02
GO_NEGATIVE_REGULATION_OF_MYELOID_LEUKOCYTE_DIFFERENTIATION	3.80E-02
GO_POSITIVE_REGULATION_OF_WOUND_HEALING	3.80E-02
WNT_SIGNALING	3.80E-02
GO_EXTRACELLULAR_MATRIX_ASSEMBLY	3.81E-02
BIOCARTA_INTEGRIN_PATHWAY	3.81E-02
GO_ACTIN_CYTOSKELETON	3.81E-02
REACTOME_G_ALPHA1213_SIGNALLING_EVENTS	3.81E-02
KEGG_MAPK_SIGNALING_PATHWAY	3.81E-02

GO_ACTIN_MONOMER_BINDING	3.82E-02
GO_DECIDUALIZATION	3.82E-02
PID_THROMBIN_PAR4_PATHWAY	3.82E-02
PID_AVB3_OPN_PATHWAY	3.82E-02
BIOCARTA_TFF_PATHWAY	3.82E-02
GO_PITUITARY_GLAND_DEVELOPMENT	3.82E-02
GO_LEADING_EDGE_MEMBRANE	3.83E-02
PID_ERBB1_DOWNSTREAM_PATHWAY	3.83E-02
KEGG_AXON_GUIDANCE	3.84E-02
REACTOME_EGFR_DOWNREGULATION	3.85E-02
SIG_REGULATION_OF_THE_ACTIN_CYTOSKELETON_BY_RHO_GTPASES	3.85E-02
GO_MAP_KINASE_ACTIVITY	3.85E-02
GO_NEGATIVE_REGULATION_OF_CD4_POSITIVE_ALPHA_BETA_T_CELL_DIFFERENTIATION	3.87E-02
GO_PROTEIN_PHOSPHATASE_TYPE_2A_COMPLEX	3.89E-02
PID_IGF1_PATHWAY	3.90E-02
PID_TCR_CALCIIUM_PATHWAY	3.94E-02
GO_POSITIVE_REGULATION_OF_INTERLEUKIN_1_PRODUCTION	3.95E-02
GO_POSITIVE_REGULATION_OF_MACROPHAGE_ACTIVATION	3.98E-02
GO_REGULATION_OF_PLASMA_MEMBRANE_ORGANIZATION	3.98E-02
GO_MICROTUBULE_BASED_PROCESS	3.99E-02
GO_POSITIVE_REGULATION_OF_VACUOLE_ORGANIZATION	3.99E-02
GO_REGULATION_OF_MAST_CELL_ACTIVATION	3.99E-02
GOREGULATION_OF_TRANSMEMBRANE_RECEPTOR_PROTEIN_SERINE_THREONINE_KINASE	4.00E-02
GO_REGULATION_OF_AXONOGENESIS	4.02E-02
KEGG_ERBB_SIGNALING_PATHWAY	4.06E-02
GO_ACUTE_PHASE_RESPONSE	4.06E-02
GO_POSITIVE_REGULATION_OF_LOCOMOTION	4.07E-02
PID_TRKR_PATHWAY	4.08E-02
PID_S1P_S1P2_PATHWAY	4.09E-02
BIOCARTA_CARDIACEGF_PATHWAY	4.09E-02
GO_ENDOPLASMIC_RETICULUM_SUBCOMPARTMENT	4.10E-02
KEGG_ARRHYTHMOGENIC_RIGHT_VENTRICULAR_CARDIOMYOPATHY_ARVC	4.14E-02
GO_MICROVILLUS_MEMBRANE	4.15E-02
BIOCARTA_CHREBP2_PATHWAY	4.16E-02
GO_RECEPTOR_COMPLEX	4.16E-02
REACTOME_SIGNALLING_BY_NGF	4.17E-02
GO_PLASMA_MEMBRANE_RAFT	4.17E-02
GO_G_PROTEIN_COUPLED_RECEPTOR_BINDING	4.18E-02
GO_BARBED_END_ACTIN_FILAMENT_CAPPING	4.19E-02
REACTOME_SHC_MEDIATED_SIGNALLING	4.20E-02
PID_S1P_S1P1_PATHWAY	4.20E-02
REACTOME_RECYCLING_PATHWAY_OF_L1	4.21E-02
BIOCARTA_CFTR_PATHWAY	4.23E-02

GO_CELLULAR_RESPONSE_TO_STARVATION	4.23E-02
BIOCARTA_BLYMPHOCYTE_PATHWAY	4.24E-02
GO_NEURON_PROJECTION_GUIDANCE	4.25E-02
GO_TRANSITION_METAL_ION_HOMEOSTASIS	4.25E-02
GO_RESPONSE_TO_INTERLEUKIN_1	4.25E-02
GO_VASCULAR_ENDOTHELIAL_GROWTH_FACTOR_RECEPTOR_SIGNALING_PATHWAY	4.25E-02
GO_DERMATAN_SULFATE_METABOLIC_PROCESS	4.26E-02
GO_PLACENTA_DEVELOPMENT	4.26E-02
GO_POSITIVE_REGULATION_OF_RESPONSE_TO_NUTRIENT_LEVELS	4.27E-02
GO_MRNA_TRANSCRIPTION_FROM_RNA_POLYMERASE_II_PROMOTER	4.28E-02
GO_NEGATIVE_REGULATION_OF_NEUROTRANSMITTER_SECRETION	4.28E-02
GO_NEGATIVE_REGULATION_OF_LOCOMOTION	4.29E-02
HALLMARK_COMPLEMENT	4.29E-02
GO_RUFFLE_MEMBRANE	4.35E-02
GO_NEGATIVE_REGULATION_OF_OSSIFICATION	4.36E-02
GO_REGULATION_OF_PROTEIN_POLYMERIZATION	4.36E-02
GO_REGULATION_OF_CYTOPLASMIC_TRANSPORT	4.36E-02
GO_BRANCHING_INVOLVED_IN_LABYRINTHINE_LAYER_MORPHOGENESIS	4.36E-02
GO_PODOSOME	4.37E-02
HALLMARK_UV_RESPONSE_DN	4.37E-02
GO_REGULATION_OF_CHEMOTAXIS	4.37E-02
GO_REGULATION_OF_NEUROTRANSMITTER_SECRETION	4.38E-02
GO_REGULATION_OF_CELL_MORPHOGENESIS_INVOLVED_IN_DIFFERENTIATION	4.38E-02
GO_POLYOL_CATABOLIC_PROCESS	4.38E-02
GO_CALCIIUM_ION_TRANSPORT	4.38E-02
REACTOME_SIGNAL_AMPLIFICATION	4.38E-02
GO_REGULATION_OF_DEVELOPMENTAL_GROWTH	4.39E-02
GO_ENDOCARDIUM_DEVELOPMENT	4.39E-02
ST_ERK1_ERK2_MAPK_PATHWAY	4.39E-02
GO_ACTIVIN_BINDING	4.39E-02
GO_RESPONSE_TO_STARVATION	4.43E-02
GO_SCAVENGER_RECEPTOR_ACTIVITY	4.43E-02
BIOCARTA_CSK_PATHWAY	4.44E-02
GO_NEGATIVE_REGULATION_OF_REGULATED_SECRETORY_PATHWAY	4.46E-02
GO_NEGATIVE_REGULATION_OF_BIOMINERAL_TISSUE_DEVELOPMENT	4.54E-02
GO_REGULATION_OF_MUSCLE_ORGAN_DEVELOPMENT	4.55E-02
REACTOME_GLUUCAGON_SIGNALING_IN_METABOLIC_REGULATION	4.55E-02
SA_TRKA_RECEPTOR	4.61E-02
PID_TCR_PATHWAY	4.63E-02
REACTOME_REGULATION_OF_SIGNALING_BY_CBL	4.64E-02
GO_DERMATAN_SULFATE_PROTEOGLYCAN_METABOLIC_PROCESS	4.64E-02
GO_ADRENERGIC_RECEPTOR_SIGNALING_PATHWAY	4.65E-02
HALLMARK_PI3K_AKT_MTOR_SIGNALING	4.65E-02

PID_INTEGRIN1_PATHWAY	4.65E-02
GO_CELLULAR_RESPONSE_TO_MECHANICAL_STIMULUS	4.65E-02
GO_REGULATION_OF_EARLY_ENDOSOME_TO_LATE_ENDOSOME_TRANSPORT	4.71E-02
GO_REGULATION_OF_ACTIVIN_RECEPTOR_SIGNALING_PATHWAY	4.72E-02
REACTOME_GAP_JUNCTION_TRAFFICKING	4.72E-02
GO_ACTIN_FILAMENT_BUNDLE	4.73E-02
GO_REGULATION_OF_RESPONSE_TO_EXTRACELLULAR_STIMULUS	4.77E-02
GO_SENSORY_PERCEPTION_OF_PAIN	4.77E-02
GO_NEGATIVE_REGULATION_OF_EXOCYTOSIS	4.79E-02
GO_POSITIVE_REGULATION_OF_STRIATED_MUSCLE_CELL_DIFFERENTIATION	4.81E-02
GO_MYELOID_CELL_ACTIVATION_INVOLVED_IN_IMMUNE_RESPONSE	4.82E-02
GO_REGULATION_OF_GOLGI_ORGANIZATION	4.82E-02
GO_REGULATION_OF_TYROSINE_PHOSPHORYLATION_OF_STATS5_PROTEIN	4.83E-02
GO_PHOSPHOLIPID_TRANSPORT	4.83E-02
REACTOME_GOLGI_ASSOCIATED_VESICLE_BIOGENESIS	4.84E-02
REACTOME_CRMP5_IN_SEMA3A_SIGNALING	4.85E-02
GO_CARDIAC_CELL_DEVELOPMENT	4.88E-02
GO_REGULATION_OF_VASCULAR_ENDOTHELIAL_GROWTH_FACTOR_RECEPTOR_PATHWAY	4.89E-02
GO_ADIPOSE_TISSUE_DEVELOPMENT	4.91E-02
HALLMARK_IL2_STATS5_SIGNALING	4.92E-02
GO_POSITIVE_REGULATION_OF_KINASE_ACTIVITY	4.97E-02

Down-regulated in response to IL10

Gene Set Name	FDR
GO_RIBOSOME	0.00E+00
GO_RIBOSOMAL_SUBUNIT	0.00E+00
GO_CYTOSOLIC_RIBOSOME	0.00E+00
GO_STRUCTURAL_CONSTITUENT_OF_RIBOSOME	0.00E+00
GO_TRANSLATIONAL_TERMINATION	0.00E+00
KEGG_RIBOSOME	0.00E+00
GO_LARGE_RIBOSOMAL_SUBUNIT	0.00E+00
REACTOME_PEPTIDE_CHAIN_ELONGATION	0.00E+00
GO_RIBOSOME_BIOGENESIS	0.00E+00
GO_MITOCHONDRIAL_TRANSLATION	0.00E+00
GO_SMALL_RIBOSOMAL_SUBUNIT	0.00E+00
REACTOME_3_UTR_MEDIATED_TRANSLATIONAL_REGULATION	0.00E+00
GO_RRNA_METABOLIC_PROCESS	0.00E+00
REACTOME_INFLUENZA_VIRAL_RNA_TRANSCRIPTION_AND_REPLICATION	0.00E+00
GO_ORGANELLAR_RIBOSOME	0.00E+00
GO_RESPONSE_TO_TYPE_I_INTERFERON	0.00E+00
REACTOME_TRANSLATION	0.00E+00
GO_CYTOSOLIC_LARGE_RIBOSOMAL_SUBUNIT	0.00E+00

GO_MULTI_ORGANISM_METABOLIC_PROCESS	0.00E+00
REACTOME_SRP_DEPENDENT_COTRANSLATIONAL_PROTEIN_TARGETING_TO_MEMBRANE	0.00E+00
REACTOME_NONSENSE_MEDIATED_DECAY_ENHANCED_BY_THE_EXON_JUNCTION_COMPLEX	0.00E+00
GO_RIBOSOMAL_LARGE_SUBUNIT_BIOGENESIS	0.00E+00
GO_RIBOSOME_ASSEMBLY	0.00E+00
GO_RIBONUCLEOPROTEIN_COMPLEX_BIOGENESIS	0.00E+00
GO_NUCLEAR_TRANSCRIBED_MRNA_CATABOLIC_PROCESS_NONSENSE_MEDIATED_DECAY	0.00E+00
REACTOME_RESPIRATORY_ELECTRON_TRANSPORT	0.00E+00
GO_CELLULAR_PROTEIN_COMPLEX_DISASSEMBLY	0.00E+00
GO_MITOCHONDRIAL_PROTEIN_COMPLEX	0.00E+00
GO_TRANSLATIONAL_ELONGATION	0.00E+00
GO_ESTABLISHMENT_OF_PROTEIN_LOCALIZATION_TO_ENDOPLASMIC_RETICULUM	0.00E+00
HALLMARK_INTERFERON_ALPHA_RESPONSE	0.00E+00
GO_NEGATIVE_REGULATION_OF_VIRAL_GENOME_REPLICATION	0.00E+00
GO_ELECTRON_TRANSPORT_CHAIN	0.00E+00
GO_CYTOSOLIC_SMALL_RIBOSOMAL_SUBUNIT	0.00E+00
GO_OXIDOREDUCTASE_ACTIVITY_ACTING_ON_NAD_P_H	0.00E+00
GO_RESPIRATORY_CHAIN	0.00E+00
GO_TRANSLATIONAL_INITIATION	0.00E+00
GO_PROTEIN_LOCALIZATION_TO_ENDOPLASMIC_RETICULUM	0.00E+00
GO_NCRNA_PROCESSING	0.00E+00
GO_MITOCHONDRIAL_RESPIRATORY_CHAIN_COMPLEX_ASSEMBLY	0.00E+00
GO_OXIDATIVE_PHOSPHORYLATION	0.00E+00
REACTOME_ACTIVATION_OF_THE_MRNA_UPON_BINDING_OF_THE_CAP_BINDING_COMPLEX	0.00E+00
GO_INNER_MITOCHONDRIAL_MEMBRANE_PROTEIN_COMPLEX	0.00E+00
REACTOME_FORMATION_OF_THE_TERNARY_COMPLEX_AND_SUBSEQUENTLY_THE_43S_COMPLEX	0.00E+00
REACTOME_INFLUENZA_LIFE_CYCLE	0.00E+00
REACTOME_RESPIRATORY_ELECTRON_TRANSPORT_ATP_SYNTHESIS_BY_CHEMIOSMOTIC_COUPLING	1.25E-05
REACTOME_INTERFERON_ALPHA_BETA_SIGNALING	1.28E-05
GO_RRNA_BINDING	1.31E-05
GO_CELLULAR_RESPIRATION	1.34E-05
GO_ORGANELLAR_LARGE_RIBOSOMAL_SUBUNIT	2.40E-05
GO_RNA_CATABOLIC_PROCESS	2.45E-05
GO_OXIDOREDUCTASE_COMPLEX	3.52E-05
GO_MITOCHONDRIAL_MATRIX	4.60E-05
GO_DEFENSE_RESPONSE_TO_VIRUS	6.78E-05
GO_ORGANELLAR_SMALL_RIBOSOMAL_SUBUNIT	1.23E-04
HALLMARK_OXIDATIVE_PHOSPHORYLATION	2.09E-04
GO_NADH_DEHYDROGENASE_COMPLEX	3.34E-04
GO_AMIDE_BIOSYNTHETIC_PROCESS	3.39E-04

GO_NUCLEOLAR_PART	4.68E-04
GO_NADH_DEHYDROGENASE_COMPLEX_ASSEMBLY	4.81E-04
GO_OXIDOREDUCTASE_ACTIVITY_ACTING_ON_NAD_P_H_QUINONE_OR_SIMILAR_COMPOUND_	5.62E-04
GO_MITOCHONDRIAL_MEMBRANE_PART	5.63E-04
GO_MITOCHONDRIAL_RESPIRATORY_CHAIN_COMPLEX_I_ASSEMBLY	6.03E-04
GO_DNA_DAMAGE_RESPONSE_DETECTION_OF_DNA_DAMAGE	7.17E-04
KEGG_OXIDATIVE_PHOSPHORYLATION	8.91E-04
GO_RNA_METHYLATION	9.05E-04
GO_RRNA_MODIFICATION	9.05E-04
GO_PRERIBOSOME_LARGE_SUBUNIT_PRECURSOR	9.33E-04
GO_MITOCHONDRIAL_RESPIRATORY_CHAIN_COMPLEX_I_BIOGENESIS	9.37E-04
GO_RIBOSOMAL_LARGE_SUBUNIT_ASSEMBLY	1.14E-03
GO_MITOCHONDRIAL_ELECTRON_TRANSPORT_NADH_TO_UBIQUINONE	1.25E-03
GO_RNA_METHYLTRANSFERASE_ACTIVITY	1.29E-03
GO_RIBOSOMAL_SMALL_SUBUNIT_BIOGENESIS	1.57E-03
GO_DEAMINASE_ACTIVITY	1.59E-03
KEGG_PARKINSONS_DISEASE	1.61E-03
REACTOME_TCA_CYCLE_AND_RESPIRATORY_ELECTRON_TRANSPORT	1.81E-03
GO_NEGATIVE_REGULATION_OF_VIRAL_PROCESS	1.92E-03
GO_MITOCHONDRIAL_TRANSMEMBRANE_TRANSPORT	2.23E-03
GO_ORGANIC_CYCLIC_COMPOUND_CATABOLIC_PROCESS	2.40E-03
GO_NADH_DEHYDROGENASE_ACTIVITY	2.42E-03
REACTOME_METABOLISM_OF_RNA	2.89E-03
KEGG_VALINE_LEUCINE_AND_ISOLEUCINE_DEGRADATION	3.19E-03
GO_OXIDOREDUCTASE_ACTIVITY_ACTING_ON_NAD_P_H_OXYGEN_AS_ACCEPTOR	4.11E-03
GO_RIBOSOMAL_SMALL_SUBUNIT_ASSEMBLY	4.43E-03
GO_REGULATION_OF_VIRAL_GENOME_REPLICATION	4.43E-03
GO_TUMOR_NECROSIS_FACTOR_RECEPTOR_BINDING	5.48E-03
REACTOME_METABOLISM_OF_MRNA	5.60E-03
HALLMARK_DNA_REPAIR	6.72E-03
GO_PROTEIN_TARGETING_TO_MEMBRANE	7.02E-03
GO_METANEPHRIC_MESENCHYME_DEVELOPMENT	7.27E-03
GO_OXIDOREDUCTASE_ACTIVITY_ACTING_ON_PEROXIDE_AS_ACCEPTOR	7.30E-03
GO_RIBONUCLEOPROTEIN_COMPLEX_SUBUNIT_ORGANIZATION	7.93E-03
GO_SMALL_NUCLEOLAR_RIBONUCLEOPROTEIN_COMPLEX	9.26E-03
GO_RNA_MODIFICATION	9.38E-03
GO_SUPEROXIDE_GENERATING_NADPH_OXIDASE_ACTIVITY	9.87E-03
KEGG_RNA_POLYMERASE	1.04E-02
REACTOME_NFKB_IS_ACTIVATED_AND_SIGNALS_SURVIVAL	1.04E-02
GO_RRNA_METHYLATION	1.10E-02

GO_OXIDOREDUCTASE_ACTIVITY_ACTING_ON_A_HEME_GROUP_OF_DONORS	1.11E-02
GO_AEROBIC_RESPIRATION	1.17E-02
GO_RNA_POLYMERASE_ACTIVITY	1.37E-02
GO_ENERGY_DERIVATION_BY_OXIDATION_OF_ORGANIC_COMPOUNDS	1.56E-02
KEGG_DNA_REPLICATION	1.60E-02
GO_RESPONSE_TO_VIRUS	1.61E-02
GO_PRERIBOSOME	1.61E-02
GO_CYTOSOLIC_PART	1.61E-02
GO_KIDNEY_MESENCHYME_DEVELOPMENT	1.62E-02
GO_MACROMOLECULAR_COMPLEX_DISASSEMBLY	1.85E-02
GO_DNA_DIRECTED_RNA_POLYMERASE_III_COMPLEX	2.03E-02
GO_ALDO_KETO_REDUCTASE_NADP_ACTIVITY	2.06E-02
REACTOME_FANCONI_ANEMIA_PATHWAY	2.20E-02
GO_PROTON_TRANSPORTING_ATP_SYNTHASE_COMPLEX	2.25E-02
GO_4_IRON_4_SULFUR_CLUSTER_BINDING	2.54E-02
GO_MHC_PROTEIN_COMPLEX	2.83E-02
KEGG_BUTANOATE_METABOLISM	2.83E-02
REACTOME_RNA_POL_III_TRANSCRIPTION_TERMINATION	2.97E-02
REACTOME_DNA_REPAIR	3.05E-02
GO_DEOXYRIBONUCLEOTIDE_BIOSYNTHETIC_PROCESS	3.49E-02
REACTOME_RNA_POL_III_CHAIN_ELONGATION	3.77E-02
REACTOME_ANTIVIRAL_MECHANISM_BY_IFN_STIMULATED_GENES	3.90E-02
GO_MITOCHONDRION_DISTRIBUTION	3.90E-02
REACTOME_MRNA_SPLICING_MINOR_PATHWAY	3.91E-02
REACTOME_RNA_POL_III_TRANSCRIPTION_INITIATION_FROM_TYPE_2_PROMOTER	3.95E-02
GO_CYTOCHROME_COMPLEX_ASSEMBLY	4.01E-02
GO_DEOXYRIBONUCLEOSIDE_TRIPHOSPHATE_METABOLIC_PROCESS	4.17E-02
GO_MITOCHONDRIAL_ATP_SYNTHESIS_COUPLED_PROTON_TRANSPORT	4.25E-02
GO_RNA_POLYMERASE_III_ACTIVITY	4.47E-02
GO_SNORNA_BINDING	4.48E-02
GO_CYTOPLASMIC_TRANSLATION	4.96E-02
GO_GLUTATHIONE_PEROXIDASE_ACTIVITY	4.99E-02

Up-regulated in response to IL4

Gene Set Name	FDR
HALLMARK_MYC_TARGETS_V1	0.00E+00
GO_PRERIBOSOME	0.00E+00
GO_MONOCYTE_CHEMOTAXIS	0.00E+00
GO_RIBOSOME_BIOGENESIS	0.00E+00
GO_LYMPHOCYTE_CHEMOTAXIS	1.85E-04
HALLMARK_MYC_TARGETS_V2	2.22E-04
GO_RIBONUCLEOPROTEIN_COMPLEX_BIOGENESIS	2.75E-04
GO_LYMPHOCYTE_MIGRATION	3.15E-04
GO_CCR_CHEMOKINE_RECEPTOR_BINDING	4.91E-04
HALLMARK_OXIDATIVE_PHOSPHORYLATION	6.60E-04
GO_NCRNA_PROCESSING	1.10E-03
GO_RRNA_METABOLIC_PROCESS	2.87E-03
GO_PROTEIN_TARGETING_TO_MITOCHONDRION	3.17E-03
GO_POSITIVE_REGULATION_OF_FIBROBLAST_PROLIFERATION	3.24E-03
REACTOME_FORMATION_OF_TUBULIN_FOLDING_INTERMEDIATES_BY_CCT_TRIC	8.68E-03
GO_MITOCHONDRIAL_TRANSLATION	1.30E-02
REACTOME_MITOCHONDRIAL_PROTEIN_IMPORT	1.35E-02
GO_ANTIGEN_BINDING	1.37E-02
GO_RENAL_SYSTEM_PROCESS_INVOLVED_IN_REGULATION_OF_SYSTEMIC_ARTERIAL_BLOOD_PRESSURE	1.91E-02
GO_MATURATION_OF_5_8S_RRNA	2.02E-02
GO_GAS_TRANSPORT	2.11E-02
GO_POSITIVE_REGULATION_OF_ERK1_AND_ERK2_CASCADE	2.19E-02
GO_RIBOSOMAL_LARGE_SUBUNIT_BIOGENESIS	2.20E-02
REACTOME_DESTABILIZATION_OF_MRNA_BY_AUF1_HNRNP_DO	2.39E-02
REACTOME_PREFOLDIN_MEDIATED_TRANSFER_OF_SUBSTRATE_TO_CCT_TRIC	2.40E-02
GO_TRNA_METABOLIC_PROCESS	2.41E-02
GO_MHC_CLASS_II_PROTEIN_COMPLEX	2.55E-02
GO_NEGATIVE_REGULATION_OF_INTERFERON_GAMMA_PRODUCTION	2.92E-02
GO_CHEMOKINE_ACTIVITY	2.96E-02
GO_NUCLEOID	2.99E-02
GO_NEGATIVE_REGULATION_OF_EPITHELIAL_CELL_APOPTOTIC_PROCESS	3.34E-02
GO_RIBONUCLEOPROTEIN_COMPLEX_BINDING	3.38E-02
GO_MYELIN_SHEATH	3.42E-02
GO_RIBOSOME_BINDING	3.49E-02
REACTOME_CYTOSOLIC_TRNA_AMINOACYLATION	3.55E-02
KEGG_AMINOACYL_TRNA_BIOSYNTHESIS	3.61E-02
GO_CHEMOKINE_RECEPTOR_BINDING	3.67E-02
GO_PRERIBOSOME_LARGE_SUBUNIT_PRECURSOR	4.12E-02

GO_NCRNA_3_END_PROCESSING	4.14E-02
REACTOME_SCFSKP2_MEDIATED_DEGRADATION_OF_P27_P21	4.14E-02
GO_SMALL_SUBUNIT_PROCESSOME	4.16E-02
GO_TRANSLATIONAL_ELONGATION	4.80E-02
GO_CHEMOKINE_MEDIATED_SIGNALING_PATHWAY	4.91E-02
REACTOME_POST_CHAPERONIN_TUBULIN_FOLDING_PATHWAY	4.92E-02

Down-regulated in response to IL4

Gene Set Name	FDR
REACTOME_RNA_POL_I_PROMOTER_OPENING	0.00E+00
REACTOME_PACKAGING_OF_TELOMERE_ENDS	1.34E-03
GO_POSITIVE_REGULATION_OF_VASCULAR_ENDOTHELIAL_GROWTH_FACTOR_PRODUCTION	2.39E-03
GO_DEFENSE_RESPONSE_TO_FUNGUS	2.69E-03
HALLMARK_INTERFERON_ALPHA_RESPONSE	3.06E-03
GO_ANTIMICROBIAL_HUMORAL_RESPONSE	5.87E-03
REACTOME_AMYLOIDS	6.05E-03
REACTOME_MEIOTIC_RECOMBINATION	6.66E-03
GO_RESPONSE_TO_ACIDIC_PH	7.47E-03
GO_DNA_PACKAGING_COMPLEX	1.04E-02
GO_REGULATION_OF_VASCULAR_ENDOTHELIAL_GROWTH_FACTOR_PRODUCTION	1.05E-02
GO_CELLULAR_RESPONSE_TO_ZINC_ION	1.08E-02
PID_TOLL_ENDOGENOUS_PATHWAY	1.89E-02
GO_RESPONSE_TO_ZINC_ION	2.31E-02
REACTOME_GLYCOSPHINGOLIPID_METABOLISM	2.42E-02
GO_GLYCOSPHINGOLIPID_METABOLIC_PROCESS	2.92E-02
REACTOME_DEPOSITION_OF_NEW_CENPA_CONTAINING_NUCLEOSOMES_AT_THE_CENTROMERE	3.00E-02
GO_SUPEROXIDE_GENERATING_NADPH_OXIDASE_ACTIVITY	3.05E-02
GO_INTERLEUKIN_1_PRODUCTION	3.24E-02
GO_NEGATIVE_REGULATION_OF_G_PROTEIN_COUPLED_RECEPTOR_PROTEIN_SIGNALING_PATHWAY	3.25E-02
GO_MYD88_DEPENDENT_TOLL_LIKE_RECEPTOR_SIGNALING_PATHWAY	3.57E-02
GO_NEGATIVE_REGULATION_OF_PROTEIN_OLIGOMERIZATION	4.47E-02

Up-regulated in response to AZM

Gene Set Name	FDR
GO_STEROID_BIOSYNTHETIC_PROCESS	0.00E+00
GO_PIGMENT_GRANULE	0.00E+00
GO_STEROL_BIOSYNTHETIC_PROCESS	0.00E+00
GO_FERRIC_IRON_TRANSPORT	1.90E-04
GO_PHAGOSOME_ACIDIFICATION	2.10E-04
HALLMARK_MTORC1_SIGNALING	2.36E-04
HALLMARK_CHOLESTEROL_HOMEOSTASIS	2.37E-04
REACTOME_CHOLESTEROL_BIOSYNTHESIS	2.60E-04
REACTOME_TRANSFERRIN_ENDOCYTOSIS_AND_RECYCLING	2.70E-04
GO_PH_REDUCTION	2.86E-04
GO_TRIVALENT_INORGANIC_CATION_TRANSPORT	3.15E-04
GO_STEROL_METABOLIC_PROCESS	1.10E-03
REACTOME_INSULIN_RECEPTOR_RECYCLING	1.74E-03
HALLMARK_MYC_TARGETS_V2	1.89E-03
KEGG_STEROID_BIOSYNTHESIS	3.09E-03
GO_ALCOHOL_BIOSYNTHETIC_PROCESS	4.32E-03
HALLMARK_UNFOLDED_PROTEIN_RESPONSE	5.73E-03
REACTOME_IRON_UPTAKE_AND_TRANSPORT	7.20E-03
GO_PROTON_TRANSPORTING_V_TYPE_ATPASE_COMPLEX	8.47E-03
GO_STEROID_METABOLIC_PROCESS	3.30E-02
GO_REGULATION_OF_CELLULAR_PH	3.98E-02
GO_INSULIN_RECEPTOR_SIGNALING_PATHWAY	4.05E-02
REACTOME_SIGNALING_BY_INSULIN_RECEPTOR	4.54E-02
GO_VACUOLAR_PROTON_TRANSPORTING_V_TYPE_ATPASE_COMPLEX	4.56E-02

Down-regulated in response to AZM

Gene Set Name	FDR
REACTOME_RNA_POL_I_PROMOTER_OPENING	0.00E+00
KEGG_SYSTEMIC_LUPUS_ERYTHEMATOSUS	0.00E+00
GO_CELLULAR_RESPONSE_TO_INTERFERON_GAMMA	0.00E+00
REACTOME_PACKAGING_OF_TELOMERE_ENDS	0.00E+00
REACTOME_AMYLOIDS	2.11E-04
REACTOME_TELOMERE_MAINTENANCE	8.75E-04
GO_NEGATIVE_REGULATION_OF_B_CELL_ACTIVATION	1.20E-03
GO_INTERFERON_GAMMA_MEDIATED_SIGNALING_PATHWAY	2.24E-03
HALLMARK_ALLOGRAFT_REJECTION	3.04E-03
GO_DETECTION_OF_OTHER_ORGANISM	3.57E-03

REACTOME_INTERFERON_GAMMA_SIGNALING	3.63E-03
REACTOME_DEPOSITION_OF_NEW_CENPA_CONTAINING_NUCLEOSOMES_AT_THE_CENTROMERE	4.21E-03
GO_MYELOID_LEUKOCYTE_MIGRATION	4.21E-03
GO_GRANULOCYTE_MIGRATION	4.37E-03
REACTOME_CITRIC_ACID_CYCLE_TCA_CYCLE	4.91E-03
GO_CELL_CHEMOTAXIS	5.06E-03
KEGG_RIBOSOME	6.50E-03
GO_NEGATIVE_REGULATION_OF_ADAPTIVE_IMMUNE_RESPONSE	6.64E-03
GO_POSITIVE_REGULATION_OF_INFLAMMATORY_RESPONSE	6.81E-03
GO_CYTOSOLIC_SMALL_RIBOSOMAL_SUBUNIT	6.91E-03
REACTOME_PEPTIDE_CHAIN_ELONGATION	6.95E-03
GO_INTERLEUKIN_1_PRODUCTION	7.10E-03
BIOCARTA_TH1TH2_PATHWAY	7.18E-03
GO_DETECTION_OF_BIOTIC_STIMULUS	7.23E-03
GO_RESPONSE_TO_INTERFERON_GAMMA	7.78E-03
KEGG_LEISHMANIA_INFECTION	9.95E-03
GO_LEUKOCYTE_MIGRATION	1.33E-02
GO_LEUKOCYTE_CHEMOTAXIS	1.34E-02
GO_CYTOKINE_PRODUCTION	1.35E-02
KEGG_TYPE_I_DIABETES_MELLITUS	1.38E-02
REACTOME_IMMUNOREGULATORY_INTERACTIONS_BETWEEN_A_LYMPHOID_AND_A_NON_LYMPHOID_CELL	1.41E-02
GO_PEPTIDOGLYCAN_BINDING	1.42E-02
KEGG_ALLOGRAFT_REJECTION	1.45E-02
GO_IMMUNE_RESPONSE_REGULATING_CELL_SURFACE_RECEPTOR_SIGNALING_PATHWAY	1.56E-02
GO_NEGATIVE_REGULATION_OF_LYMPHOCYTE_MEDIATED_IMMUNITY	1.57E-02
GO_REGULATION_OF_ERYTHROCYTE_DIFFERENTIATION	1.58E-02
GO_E_BOX_BINDING	1.60E-02
GO_REGULATION_OF_MACROPHAGE_DIFFERENTIATION	1.60E-02
GO_HUMORAL_IMMUNE_RESPONSE	1.60E-02
KEGG_GRAFT_VERSUS_HOST_DISEASE	1.64E-02
GO_SCAVENGER_RECEPTOR_ACTIVITY	1.66E-02
GO_NUCLEAR_NUCLEOSOME	1.67E-02
GO_PHAGOCYTOSIS	1.68E-02
KEGG_CELL_ADHESION_MOLECULES_CAMS	1.70E-02
GO_POSITIVE_REGULATION_OF_NUCLEAR_TRANSCRIBED_MRNA_CATABOLIC_PROCESS_DEADENYLATION	1.71E-02
GO_IMMUNE_EFFECTOR_PROCESS	1.72E-02
GO_DNA_REPLICATION_DEPENDENT_NUCLEOSOME_ASSEMBLY	1.72E-02
GO_POSITIVE_REGULATION_OF_DEFENSE_RESPONSE	1.72E-02
GO_CHROMATIN_SILENCING_AT_RDNA	1.74E-02
GO_REGULATION_OF_MRNA_CATABOLIC_PROCESS	1.84E-02

PID_RETINOIC_ACID_PATHWAY	2.15E-02
GO_ACTIVATION_OF_IMMUNE_RESPONSE	2.16E-02
GO_PEPTIDE_ANTIGEN_BINDING	2.16E-02
GO_DNA_REPLICATION_DEPENDENT_NUCLEOSOME_ORGANIZATION	2.17E-02
GO_POSITIVE_REGULATION_OF_INTERFERON_GAMMA_PRODUCTION	2.19E-02
GO_REGULATION_OF_NUCLEAR_TRANSCRIBED_MRNA_CATABOLIC_PROCESS_DEADENYLATION	2.19E-02
GO_REGULATION_OF_INTERFERON_GAMMA_PRODUCTION	2.24E-02
PID_IL12_STAT4_PATHWAY	2.49E-02
GO_ANTIMICROBIAL_HUMORAL_RESPONSE	2.51E-02
REACTOME_FORMATION_OF_THE_TERNARY_COMPLEX_AND_SUBSEQUENTLY_THE_43S_COMPLEX	2.52E-02
HALLMARK_ANGIOGENESIS	2.54E-02
GO_NEGATIVE_REGULATION_OF_B_CELL_PROLIFERATION	2.75E-02
KEGG_VIRAL_MYOCARDITIS	2.76E-02
GO_REGULATION_OF_ENDOTHELIAL_CELL_DIFFERENTIATION	2.90E-02
GO_REGULATION_OF_INTERLEUKIN_2_BIOSYNTHETIC_PROCESS	2.90E-02
GO_PHAGOCYTOSIS_ENGULFMENT	2.91E-02
GO_REGULATION_OF_MYELOID_LEUKOCYTE_DIFFERENTIATION	2.92E-02
GO_IGG_BINDING	3.11E-02
GO_CYTOKINE_BINDING	3.16E-02
GO_REGULATION_OF_MYELOID_CELL_DIFFERENTIATION	3.25E-02
REACTOME_RNA_POL_I_TRANSCRIPTION	3.29E-02
GO_POSITIVE_REGULATION_OF_BMP_SIGNALING_PATHWAY	3.47E-02
GO_PROTEIN_DNA_COMPLEX	3.58E-02
GO_MHC_PROTEIN_COMPLEX	3.60E-02
GO_NEGATIVE_REGULATION_OF_LEUKOCYTE_MEDIATED_IMMUNITY	4.08E-02
GO_MORPHOGENESIS_OF_AN_ENDOTHELIUM	4.18E-02
REACTOME_TCA_CYCLE_AND_RESPIRATORY_ELECTRON_TRANSPORT	4.65E-02
GO_DNA_PACKAGING_COMPLEX	4.68E-02
BIOCARTA_TID_PATHWAY	4.70E-02
REACTOME_MEIOTIC_SYNAPSIS	4.74E-02

Up-regulated in response to MP

Gene Set Name	FDR
REACTOME_PEPTIDE_CHAIN_ELONGATION	0.00E+00
REACTOME_3_UTR_MEDIATED_TRANSLATIONAL_REGULATION	0.00E+00
KEGG_RIBOSOME	0.00E+00
GO_NUCLEAR_TRANSCRIBED_MRNA_CATABOLIC_PROCESS_NONSENSE_MEDIATED_DECAY	0.00E+00
REACTOME_NONSENSE_MEDIATED_DECAY_ENHANCED_BY_THE_EXON_JUNCTION_COMPLEX	0.00E+00
GO_CYTOSOLIC_RIBOSOME	5.58E-04
GO_TRANSLATIONAL_INITIATION	5.96E-04
REACTOME_INFLUENZA_VIRAL_RNA_TRANSCRIPTION_AND_REPLICATION	7.30E-04
REACTOME_ACTIVATION_OF_THE_MRNA_UPON_BINDING_OF_THE_CAP_BINDING_COMPLEX_AND_EIFS_	7.43E-04
REACTOME_FORMATION_OF_THE_TERNARY_COMPLEX_AND_SUBSEQUENTLY_THE_43S_COMPLEX	9.21E-04
GO_CYTOSOLIC_LARGE_RIBOSOMAL_SUBUNIT	1.97E-03
GO_RNA_CATABOLIC_PROCESS	4.73E-03
GO_RIBOSOMAL_SUBUNIT	4.68E-03
GO_MULTI_ORGANISM_METABOLIC_PROCESS	7.57E-03
GO_INNATE_IMMUNE_RESPONSE_IN_MUCOSA	1.36E-02
GO_ANTIMICROBIAL_HUMORAL_RESPONSE	1.46E-02
GO_DEFENSE_RESPONSE_TO_GRAM_NEGATIVE_BACTERIUM	1.76E-02
GO_LARGE_RIBOSOMAL_SUBUNIT	1.90E-02
GO_NEGATIVE_REGULATION_OF_LIPASE_ACTIVITY	1.94E-02
REACTOME_SRP_DEPENDENT_COTRANSLATIONAL_PROTEIN_TARGETING_TO_MEMBRANE	2.13E-02
REACTOME_TRANSLATION	2.34E-02
GO_CYTOSOLIC_SMALL_RIBOSOMAL_SUBUNIT	2.70E-02
GO_OOCYTE_DIFFERENTIATION	4.55E-02

Down-regulated in response to MP

Gene Set Name	FDR
GO_CHEMOKINE_ACTIVITY	0.00E+00
GO_MONOCYTE_CHEMOTAXIS	0.00E+00
KEGG_ASTHMA	3.89E-04
GO_CHEMOKINE_MEDIATED_SIGNALING_PATHWAY	6.63E-04
GO_POSITIVE_REGULATION_OF_INFLAMMATORY_RESPONSE	7.24E-04
GO GRANULOCYTE MIGRATION	7.73E-04
GO_MYELOID_LEUKOCYTE_MIGRATION	8.67E-04
REACTOME_CHEMOKINE_RECEPTORS_BIND_CHEMOKINES	9.28E-04
GO_POSITIVE_REGULATION_OF_CALCIIUM_MEDIATED_SIGNALING	1.27E-03
GO_MONOSACCHARIDE_BIOSYNTHETIC_PROCESS	1.29E-03
KEGG_VIRAL_MYOCARDITIS	2.13E-03

GO_CYTOKINE_ACTIVITY	2.32E-03
GO_RESPONSE_TO_TUMOR_NECROSIS_FACTOR	3.31E-03
GO_LEUKOCYTE_MIGRATION	3.32E-03
GO_NEGATIVE_REGULATION_OF_VIRAL_PROCESS	4.12E-03
GO_ANTIGEN_PROCESSING_AND_PRESENTATION_OF_EXOGENOUS_PEPTIDE_ANTIGEN_VIA_MHC_CLASS_I	4.28E-03
HALLMARK_MTORC1_SIGNALING	4.29E-03
GO_ANTIGEN_PROCESSING_AND_PRESENTATION	4.34E-03
REACTOME_REGULATION_OF_ORNITHINE_DECARBOXYLASE_ODC	4.45E-03
GO_LEUKOCYTE_CHEMOTAXIS	4.58E-03
GO_ANTIGEN_PROCESSING_AND_PRESENTATION_OF_PEPTIDE_ANTIGEN	4.79E-03
GO_ISOPRENOID_BIOSYNTHETIC_PROCESS	4.81E-03
REACTOME_CROSS_PRESENTATION_OF_SOLUBLE_EXOGENOUS_ANTIGENS_ENDOSOMES	4.86E-03
GO_POSITIVE_REGULATION_OF_DEFENSE_RESPONSE	4.95E-03
GO_MHC_CLASS_II_PROTEIN_COMPLEX	5.06E-03
GO_CELLULAR_RESPONSE_TO_INTERFERON_GAMMA	5.94E-03
GO_RESPONSE_TO_INTERFERON_GAMMA	6.83E-03
KEGG_GRAFT_VERSUS_HOST_DISEASE	8.37E-03
GO_LEUKOCYTE_DEGRANULATION	8.60E-03
GO_CELLULAR_RESPONSE_TO_INTERLEUKIN_1	8.66E-03
GO_LYMPHOCYTE_MIGRATION	9.70E-03
BIOCARTA_MPR_PATHWAY	1.13E-02
REACTOME_ANTIGEN_PROCESSING_CROSS_PRESENTATION	1.18E-02
GO_CHEMOKINE_RECEPTOR_BINDING	1.25E-02
KEGG_ALLOGRAFT_REJECTION	1.26E-02
GO_RESPONSE_TO_INTERLEUKIN_1	1.27E-02
GO_CCR_CHEMOKINE_RECEPTOR_BINDING	1.33E-02
REACTOME_PROTEIN_FOLDING	1.58E-02
REACTOME_FORMATION_OF_TUBULIN_FOLDING_INTERMEDIATES_BY_CCT_TRIC	1.60E-02
BIOCARTA_MTA3_PATHWAY	1.61E-02
KEGG_ANTIGEN_PROCESSING_AND_PRESENTATION	1.61E-02
GO_RESPONSE_TO_STEROL	1.62E-02
KEGG_PROTEASOME	1.72E-02
KEGG_DILATED_CARDIOMYOPATHY	1.73E-02
KEGG_NOD LIKE RECEPTOR SIGNALING PATHWAY	1.74E-02
HALLMARK_CHOLESTEROL_HOMEOSTASIS	1.85E-02
GO_OXIDOREDUCTASE_ACTIVITY_ACTING_ON_A_SULFUR_GROUP_OF_DONORS	1.91E-02
GO_POSITIVE_REGULATION_OF_RESPONSE_TO_WOUNDING	1.93E-02
GO_PROTEASOME_ACCESSORY_COMPLEX	1.95E-02
GO_CYTOKINE_RECEPTOR_BINDING	1.96E-02
GO_POSITIVE_REGULATION_OF_CELL_GROWTH	2.25E-02

GO_EMBRYO_IMPLANTATION	2.28E-02
GO_REGULATION_OF_NEUTROPHIL_MIGRATION	2.45E-02
GO_HYDROLASE_ACTIVITY_ACTING_ON_CARBON_NITROGEN_BUT_NOT_PEPTIDE_BONDS_IN_CYCLIC_AMIDINES	2.46E-02
GO_TUMOR_NECROSIS_FACTOR_RECEPTOR_SUPERFAMILY_BINDING	2.47E-02
GO_RESPONSE_TO_AMINE	2.48E-02
REACTOME_PREFOLDIN_MEDIATED_TRANSFER_OF_SUBSTRATE_TO_CCT_TRIC	2.48E-02
GO_IMMUNE_RESPONSE_REGULATING_CELL_SURFACE_RECEPTOR_SIGNALING_PATHWAY	2.49E-02
GO_POSITIVE_REGULATION_OF_INSULIN_SECRETION_INVOLVED_IN_CELLULAR_RESPONSE_TO_GLUCOSE	2.50E-02
GO_CELL_CHEMOTAXIS	2.50E-02
GO_LYMPHOCYTE_CHEMOTAXIS	2.52E-02
GO_ANTIGEN_PROCESSING_AND_PRESENTATION_OF_PEPTIDE_ANTIGEN_VIA_MHC_CLASS_I	2.68E-02
GO_CATION_CATION_ANTIPORTER_ACTIVITY	2.70E-02
KEGG_AUTOIMMUNE_THYROID_DISEASE	2.71E-02
GO_RESPONSE_TO_ETHANOL	2.75E-02
KEGG_TYPE_I_DIABETES_MELLITUS	2.78E-02
GO_PLATELET_AGGREGATION	2.95E-02
GO_CYTOSOLIC_CALCIIUM_ION_TRANSPORT	3.14E-02
GO_POSITIVE_REGULATION_OF_NEUTROPHIL_MIGRATION	3.14E-02
REACTOME_GENERATION_OF_SECOND_MESSENGER_MOLECULES	3.15E-02
GO_TRANSCRIPTIONAL_ACTIVATOR_ACTIVITY_RNA_POLYMERASE_II_ENHANCER_SEQUENCE_SPECIFIC_BINDING	3.16E-02
GO_POSITIVE_REGULATION_OF_SMOOTH_MUSCLE_CELL_MIGRATION	3.17E-02
GO_RESPONSE_TO_ELECTRICAL_STIMULUS	3.17E-02
GO_SOLUTE_CATION_ANTIPORTER_ACTIVITY	3.18E-02
KEGG_BIOSYNTHESIS_OF_UNSATURATED_FATTY_ACIDS	3.18E-02
GO_STRUCTURAL_CONSTITUENT_OF_CYTOSKELETON	3.19E-02
GO_MHC_CLASS_I_PROTEIN_BINDING	3.19E-02
KEGG_GLYOXYLATE_AND_DICARBOXYLATE_METABOLISM	3.20E-02
GO_PROTEASOME_COMPLEX	3.65E-02
GO_MONOSACCHARIDE_BINDING	3.67E-02
GO_EMBRYONIC_HEMOPOIESIS	3.70E-02
GO_DISULFIDE_OXIDOREDUCTASE_ACTIVITY	3.87E-02
GO_MATERNAL_PROCESS_INVOLVED_IN_FEMALE_PREGNANCY	3.88E-02
KEGG_TERPENOID_BACKBONE_BIOSYNTHESIS	3.88E-02
GO_MHC_CLASS_II_PROTEIN_COMPLEX_BINDING	3.89E-02
ST_INTEGRIN_SIGNALING_PATHWAY	3.89E-02
BIOCARTA_TNFR1_PATHWAY	3.90E-02
GO_CLATHRIN_COATED_ENDOCYTIC_VESICLE	3.90E-02
GO_HETEROTRIMERIC_G_PROTEIN_COMPLEX	3.92E-02
GO_NEGATIVE_REGULATION_OF_VIRAL_TRANSCRIPTION	3.92E-02
GO_REGULATION_OF_CELLULAR_AMINE_METABOLIC_PROCESS	3.93E-02

GO_MHC_CLASS_II_RECEPTOR_ACTIVITY	3.93E-02
GO_MHC_PROTEIN_COMPLEX_BINDING	4.09E-02
GO_POSITIVE_REGULATION_OF_ANTIGEN_PROCESSING_AND_PRESENTATION	4.16E-02
KEGG_CHEMOKINE_SIGNALING_PATHWAY	4.16E-02
KEGG_INTESTINAL_IMMUNE_NETWORK_FOR_IGA_PRODUCTION	4.20E-02
GO_RESPONSE_TO_VITAMIN	4.21E-02
GO_B_CELL_RECEPTOR_SIGNALING_PATHWAY	4.23E-02
SIG_REGULATION_OF_THE_ACTIN_CYTOSKELETON_BY_RHO_GTPASES	4.52E-02
GO_POSITIVE_REGULATION_OF_ACUTE_INFLAMMATORY_RESPONSE	4.58E-02
GO_DETOXIFICATION	4.59E-02
GO_INFLAMMATORY_RESPONSE	4.60E-02
GO_CALCIIUM_ION_IMPORT_INTO_CYTOSOL	4.72E-02
GO_CLATHRIN_COATED_VESICLE_MEMBRANE	4.73E-02
GO_PTERIDINE_CONTAINING_COMPOUND_BIOSYNTHETIC_PROCESS	4.73E-02
GO_REGULATION_OF_PODOSOME_ASSEMBLY	4.77E-02
GO_OXIDOREDUCTION_COENZYME_METABOLIC_PROCESS	4.92E-02
REACTOME_COSTIMULATION_BY_THE_CD28_FAMILY	4.96E-02
GO_RUFFLE_ORGANIZATION	4.98E-02
GO_MRNA_TRANSCRIPTION_FROM_RNA_POLYMERASE_II_PROMOTER	4.99E-02

Up-regulated in response to PMN

Gene Set Name	FDR
HALLMARK_MYC_TARGETS_V2	0.00E+00
REACTOME_TRANSFERRIN_ENDOCYTOSIS_AND_RECYCLING	0.00E+00
REACTOME_IRON_UPTAKE_AND_TRANSPORT	0.00E+00
GO_FERRIC_IRON_TRANSPORT	0.00E+00
GO_PROTON_TRANSPORTING_V_TYPE_ATPASE_COMPLEX	0.00E+00
GO_TRIVALENT_INORGANIC_CATION_TRANSPORT	0.00E+00
GO_REGULATION_OF_CHOLESTEROL_TRANSPORT	0.00E+00
GO_CHOLESTEROL_EFFLUX	1.11E-04
GO_PHAGOSOME_ACIDIFICATION	1.24E-04
GO_REGULATION_OF_STEROL_TRANSPORT	1.39E-04
REACTOME_INSULIN_RECEPTOR_RECYCLING	8.05E-04
REACTOME_PROCESSING_OF_CAPPED_INTRON_CONTAINING_PRE_MRNA	8.30E-04
REACTOME_MRNA_SPLICING	2.37E-03
GO_MYELIN_SHEATH	2.60E-03
GO_IRON_ION_TRANSPORT	2.79E-03
HALLMARK_MYC_TARGETS_V1	3.11E-03
REACTOME_FORMATION_OF_TUBULIN_FOLDING_INTERMEDIATES_BY_CCT_TRIC	3.25E-03
GO_ATPASE_ACTIVITY	3.31E-03
GO_PROTON_TRANSPORTING_TWO_SECTOR_ATPASE_COMPLEX	3.43E-03
GO_PRERIBOSOME	4.96E-03
REACTOME_LATENT_INFECTION_OF_HOMO_SAPIENS_WITH_MYCOBACTERIUM_TUBERCULOSIS	5.15E-03
GO_ATPASE_ACTIVITY_COUPLED	5.31E-03
KEGG_OXIDATIVE_PHOSPHORYLATION	5.76E-03
GO_ENDOCYTIC_VESICLE_LUMEN	6.62E-03
GO_REGULATION_OF_MACROPHAGE_DERIVED_FOAM_CELL_DIFFERENTIATION	6.75E-03
GO_STEROL_TRANSPORTER_ACTIVITY	7.07E-03
REACTOME_MRNA_PROCESSING	7.08E-03
GO_BILE_ACID_METABOLIC_PROCESS	7.24E-03
GO_NEGATIVE_REGULATION_OF_MACROPHAGE_DERIVED_FOAM_CELL_DIFFERENTIATION	7.51E-03
GO_VACUOLAR_PROTON_TRANSPORTING_V_TYPE_ATPASE_COMPLEX	8.11E-03
KEGG_LYSOSOME	8.38E-03
GO_RNA_HELICASE_ACTIVITY	9.23E-03
HALLMARK_OXIDATIVE_PHOSPHORYLATION	1.15E-02
GO_MITOCHONDRIAL_RNA_METABOLIC_PROCESS	1.17E-02
GO_PH_REDUCTION	1.18E-02
GO_RESPONSE_TO_GAMMA_RADIATION	1.20E-02
GO_REGULATION_OF_TELOMERASE_RNA_LOCALIZATION_TO_CAJAL_BODY	1.21E-02
GO_HYDROGEN_ION_TRANSMEMBRANE_TRANSPORT	1.22E-02

GO_REVERSE_CHOLESTEROL_TRANSPORT	1.53E-02
GO_PHOSPHOLIPID_EFFLUX	1.56E-02
GO_REGULATION_OF_CHOLESTEROL_STORAGE	1.63E-02
GO_PROTON_TRANSPORTING_TWO_SECTOR_ATPASE_COMPLEX_PROTON_TRANSPORTING_DOMAIN	1.66E-02
GO_POSITIVE_REGULATION_OF_TELOMERASE_RNA_LOCALIZATION_TO_CAJAL_BODY	1.86E-02
GO_MITOCHONDRIAL_MEMBRANE_ORGANIZATION	1.95E-02
GO_GAS_TRANSPORT	1.96E-02
GO_NEUTRAL_LIPID_CATABOLIC_PROCESS	1.97E-02
GO_REGULATION_OF_CHOLESTEROL_EFFLUX	2.01E-02
GO_90S_PRERIBOSOME	2.09E-02
GO_HYDROGEN_EXPORTING_ATPASE_ACTIVITY	2.13E-02
GO_RIBOSOMAL_SMALL_SUBUNIT_BINDING	2.18E-02
GO_CELL_CORTEX	2.19E-02
GO_NUCLEOLAR_PART	2.33E-02
GO_IRON_ION_HOMEOSTASIS	2.33E-02
GO_POSITIVE_REGULATION_OF_CHOLESTEROL_TRANSPORT	2.36E-02
GO_POSITIVE_REGULATION_OF_STEROL_TRANSPORT	2.68E-02
KEGG_VIBRIO_CHOLERAE_INFECTION	2.91E-02
GO_POSITIVE_REGULATION_OF_CHOLESTEROL_EFFLUX	2.93E-02
REACTOME_MITOCHONDRIAL_PROTEIN_IMPORT	2.94E-02
GO_ACYLGLYCEROL_CATABOLIC_PROCESS	2.96E-02
REACTOME_SYNTHESIS_OF_BILE_ACIDS_AND_BILE_SALTS	2.97E-02
GO_HYDROGEN_ION_TRANSMEMBRANE_TRANSPORTER_ACTIVITY	3.05E-02
GO_DEOXYRIBONUCLEASE_ACTIVITY	3.08E-02
REACTOME_ABCA_TRANSPORTERS_IN_LIPID_HOMEOSTASIS	3.09E-02
REACTOME_MITOCHONDRIAL_TRNA_AMINOACYLATION	3.12E-02
REACTOME_HDL_MEDIATED_LIPID_TRANSPORT	3.13E-02
GO_ATPASE_ACTIVITY_COUPLED_TO_MOVEMENT_OF_SUBSTANCES	3.15E-02
GO_UNFOLDED_PROTEIN_BINDING	3.25E-02
GO_OXYGEN_TRANSPORT	3.36E-02
GO_HYDROGEN_TRANSPORT	3.65E-02
GO_IMP_BIOSYNTHETIC_PROCESS	3.69E-02
GO_PIGMENT_GRANULE	3.77E-02
GO_REGULATION_OF_LIPID_STORAGE	3.79E-02
GO_HIGH_DENSITY_LIPOPROTEIN_PARTICLE_REMODELING	3.83E-02
GO_TRIGLYCERIDE_CATABOLIC_PROCESS	3.84E-02
GO_CYTOPLASMIC_REGION	3.84E-02
GO_CELL_CORTEX_PART	3.84E-02
GO_PROTEIN_TRANSPORTER_ACTIVITY	3.84E-02
GO_RNA_SPLICING_VIA_TRANSESTERIFICATION_REACTIONS	3.85E-02

GO_TRANSITION_METAL_ION_TRANSPORT	3.86E-02
GO_ATP_HYDROLYSIS_COUPLED_TRANSMEMBRANE_TRANSPORT	3.86E-02
BIOCARTA_CELL2CELL_PATHWAY	3.86E-02
GO_CELLULAR_PIGMENTATION	3.93E-02
GO_LIPID_TRANSPORTER_ACTIVITY	3.97E-02
GO_REGULATION_OF_HORMONE_BIOSYNTHETIC_PROCESS	3.99E-02
REACTOME_MRNA_3_END_PROCESSING	4.02E-02
GO_CHOLESTEROL_TRANSPORTER_ACTIVITY	4.09E-02
GO_MITOCHONDRIAL_TRANSPORT	4.16E-02
GO_ENDONUCLEASE_ACTIVITY_ACTIVE_WITH_EITHER_RIBO_OR_DEOXYRIBONUCLEIC_ACIDS	4.35E-02
GO_PLASMA_LIPOPROTEIN_PARTICLE_REMODELING	4.43E-02
KEGG_PRIMARY_BILE_ACID_BIOSYNTHESIS	4.58E-02
GO_PURINE_NTP_DEPENDENT_HELICASE_ACTIVITY	4.86E-02
GO_PROTEIN_LIPID_COMPLEX_REMODELING	4.89E-02
GO_CELLULAR_PROTEIN_COMPLEX_LOCALIZATION	4.90E-02

Down-regulated in response to PMN

Gene Set Name	FDR
HALLMARK_INTERFERON_ALPHA_RESPONSE	0.00E+00
GO_RESPONSE_TO_TYPE_I_INTERFERON	0.00E+00
HALLMARK_INTERFERON_GAMMA_RESPONSE	0.00E+00
REACTOME_INTERFERON_ALPHA_BETA_SIGNALING	0.00E+00
GO_DEFENSE_RESPONSE_TO_VIRUS	0.00E+00
GO_INTERFERON_GAMMA_MEDIATED_SIGNALING_PATHWAY	0.00E+00
KEGG_SYSTEMIC_LUPUS_ERYTHEMATOSUS	0.00E+00
REACTOME_RNA_POL_I_PROMOTER_OPENING	0.00E+00
GO_STEROL_BIOSYNTHETIC_PROCESS	0.00E+00
REACTOME_INTERFERON_GAMMA_SIGNALING	0.00E+00
REACTOME_AMYLOIDS	0.00E+00
REACTOME_INTERFERON_SIGNALING	0.00E+00
HALLMARK_CHOLESTEROL_HOMEOSTASIS	0.00E+00
REACTOME_CHOLESTEROL_BIOSYNTHESIS	0.00E+00
REACTOME_PACKAGING_OF_TELOMERE_ENDS	0.00E+00
GO_RESPONSE_TO_VIRUS	0.00E+00
GO_DNA_PACKAGING_COMPLEX	0.00E+00
GO_CHROMATIN_SILENCING_AT_RDNA	1.00E-03
GO_CELLULAR_RESPONSE_TO_ZINC_ION	1.00E-03
GO_NUCLEAR_NUCLEOSOME	1.00E-03
KEGG_GRAFT_VERSUS_HOST_DISEASE	1.00E-03
GO_RESPONSE_TO_INTERFERON_ALPHA	2.00E-03

GO_CELLULAR_RESPONSE_TO_INTERFERON_GAMMA	2.00E-03
GO_RESPONSE_TO_INTERFERON_GAMMA	5.00E-03
GO_RESPONSE_TO_ZINC_ION	5.00E-03
GO_DEFENSE_RESPONSE_TO_OTHER_ORGANISM	7.00E-03
REACTOME_TRAF6_MEDIATED_IRF7_ACTIVATION	8.00E-03
GO_CHROMATIN_SILENCING	8.00E-03
REACTOME_RIG_I_MDA5_MEDIATED_INDUCTION_OF_IFN_ALPHA_BETA_PATHWAYS	9.00E-03
REACTOME_PEPTIDE_CHAIN_ELONGATION	9.00E-03
REACTOME_NEGATIVE_REGULATORS_OF_RIG_I_MDA5_SIGNALING	9.00E-03
REACTOME_RNA_POL_I_TRANSCRIPTION	9.00E-03
GO_REGULATION_OF_HEMATOPOIETIC_PROGENITOR_CELL_DIFFERENTIATION	9.00E-03
GO_TRANSCRIPTIONAL_REPRESSOR_ACTIVITY_RNA_POLYMERASE_II_CORE_PROMOTER_PROXIMAL_REGION	9.00E-03
KEGG_RIBOSOME	9.00E-03
KEGG_ALLOGRAFT_REJECTION	9.00E-03
KEGG_TYPE_I_DIABETES_MELLITUS	9.00E-03
GO_CLATHRIN_COATED_ENDOCYTIC_VESICLE_MEMBRANE	1.10E-02
REACTOME_MEIOTIC_SYNAPSIS	1.20E-02
GO_IMMUNE_EFFECTOR_PROCESS	1.30E-02
REACTOME_CYTOKINE_SIGNALING_IN_IMMUNE_SYSTEM	1.30E-02
BIOCARTA_TH1TH2_PATHWAY	1.30E-02
HALLMARK_MTORC1_SIGNALING	1.30E-02
GO_DETECTION_OF_BIOTIC_STIMULUS	1.30E-02
GO_PURINE_DEOXYRIBONUCLEOTIDE_METABOLIC_PROCESS	1.30E-02
GO_MHC_CLASS_II_PROTEIN_COMPLEX	1.30E-02
GO_ISOPRENOID_BIOSYNTHETIC_PROCESS	1.40E-02
GO_CLATHRIN_COATED_ENDOCYTIC_VESICLE	1.40E-02
GO_CYCLIN_DEPENDENT_PROTEIN_SERINE_THREONINE_KINASE_INHIBITOR_ACTIVITY	1.80E-02
GO_REGULATION_OF_ANTIGEN_PROCESSING_AND_PRESENTATION	1.90E-02
GO_DETECTION_OF_OTHER_ORGANISM	2.00E-02
GO_NEGATIVE_REGULATION_OF_GENE_EXPRESSION_EPIGENETIC	2.00E-02
REACTOME_DEPOSITION_OF_NEW_CENPA_CONTAINING_NUCLEOSOMES_AT_THE_CENTROMERE	2.00E-02
GO_MHC_PROTEIN_COMPLEX	2.00E-02
GO_PROTEIN_DNA_COMPLEX	2.00E-02
GO_PEPTIDOGLYCAN_BINDING	2.10E-02
GO_DNA_REPLICATION_DEPENDENT_NUCLEOSOME_ASSEMBLY	2.10E-02
GO_NEGATIVE_REGULATION_OF_TYPE_I_INTERFERON_PRODUCTION	2.20E-02
GO_DNA_REPLICATION_DEPENDENT_NUCLEOSOME_ORGANIZATION	2.20E-02
GO_NEGATIVE_REGULATION_OF_FAT_CELL_DIFFERENTIATION	2.30E-02
KEGG_INTESTINAL_IMMUNE_NETWORK_FOR_IGA_PRODUCTION	2.30E-02
HALLMARK_INFLAMMATORY_RESPONSE	2.40E-02

GO_LIPID_DIGESTION	2.70E-02
GO_MATERNAL_BEHAVIOR	2.70E-02
GO_POSITIVE_REGULATION_OF_INTERFERON_BETA_PRODUCTION	2.80E-02
GO_REGULATION_OF_INTERFERON_BETA_PRODUCTION	2.80E-02
GO_REGULATION_OF_MEGAKARYOCYTE_DIFFERENTIATION	2.80E-02
REACTOME_YAP1_AND_WWTR1_TAZ_STIMULATED_GENE_EXPRESSION	2.80E-02
KEGG_RIG_I_LIKE_RECEPTOR_SIGNALING_PATHWAY	2.80E-02
GO_DEOXYRIBONUCLEOTIDE_BIOSYNTHETIC_PROCESS	2.80E-02
GO_PEPTIDE_ANTIGEN_BINDING	2.90E-02
GO_INFLAMMASOME_COMPLEX	3.00E-02
GO_POSITIVE_REGULATION_OF_LYMPHOCYTE_DIFFERENTIATION	3.00E-02
GO_REGULATION_OF_INTERLEUKIN_8_BIOSYNTHETIC_PROCESS	3.00E-02
GO_PARENTAL_BEHAVIOR	3.50E-02
GO_SIGNALING_PATTERN_RECOGNITION_RECEPTOR_ACTIVITY	3.80E-02
REACTOME_TELOMERE_MAINTENANCE	3.90E-02
GO_REGULATION_OF_T_HELPER_CELL_DIFFERENTIATION	4.10E-02
KEGG_LEISHMANIA_INFECTION	4.20E-02
GO_POSITIVE_REGULATION_OF_TYPE_2_IMMUNE_RESPONSE	4.20E-02
GO_POSITIVE_REGULATION_OF_T_HELPER_CELL_DIFFERENTIATION	4.20E-02
GO_TRANSCRIPTION_FACTOR_ACTIVITY_RNA_POLYMERASE_II_CORE_PROMOTER_SEQUENCE_SPECIFIC	4.30E-02
GO_NEGATIVE_REGULATION_OF_HEMATOPOIETIC_PROGENITOR_CELL_DIFFERENTIATION	4.50E-02
REACTOME_BMAL1_CLOCK_NPAS2_ACTIVATES_CIRCADIAN_EXPRESSION	4.50E-02
KEGG_AUTOIMMUNE_THYROID_DISEASE	4.50E-02
GO_STEROL_METABOLIC_PROCESS	4.50E-02
GO_ALCOHOL_BIOSYNTHETIC_PROCESS	4.80E-02

Supplemental Table E4. GSEA leading edge membership profile of interferon-associated pathways for each M2 stimulus in non-CF MDMs. Please also see a visual depiction of this data in Supplemental Figure E3.

Gene Symbol	IL10	IL4	AZM	MP	PMN
OASL	Yes	Yes	Yes	Yes	Yes
TRIM21	Yes	Yes	Yes	Yes	Yes
GBP4	Yes	Yes	Yes	No	Yes
TRIM5	Yes	Yes	Yes	No	Yes
IRF7	Yes	Yes	No	Yes	Yes
OAS2	Yes	No	Yes	Yes	Yes
B2M	Yes	Yes	Yes	No	No
IFI30	Yes	Yes	No	Yes	No
ADAR	Yes	Yes	No	No	Yes
CASP1	Yes	Yes	No	No	Yes
CMPK2	Yes	Yes	No	No	Yes
DDX60	Yes	Yes	No	No	Yes
DHX58	Yes	Yes	No	No	Yes
EIF2AK2	Yes	Yes	No	No	Yes
EPSTI1	Yes	Yes	No	No	Yes
FTSJD2	Yes	Yes	No	No	Yes
GMPR	Yes	Yes	No	No	Yes
HERC6	Yes	Yes	No	No	Yes
IFI35	Yes	Yes	No	No	Yes
IFI44	Yes	Yes	No	No	Yes
IFI44L	Yes	Yes	No	No	Yes
IFIH1	Yes	Yes	No	No	Yes
IFIT2	Yes	Yes	No	No	Yes
IFIT3	Yes	Yes	No	No	Yes
IL15	Yes	Yes	No	No	Yes
IRF1	Yes	Yes	No	No	Yes
ISG15	Yes	Yes	No	No	Yes
ISG20	Yes	Yes	No	No	Yes
LGALS3BP	Yes	Yes	No	No	Yes
MX1	Yes	Yes	No	No	Yes
OAS1	Yes	Yes	No	No	Yes
PARP14	Yes	Yes	No	No	Yes
PARP9	Yes	Yes	No	No	Yes
PRIC285	Yes	Yes	No	No	Yes
RTP4	Yes	Yes	No	No	Yes
SAMD9	Yes	Yes	No	No	Yes
SAMD9L	Yes	Yes	No	No	Yes

SP110	Yes	Yes	No	No	Yes
STAT2	Yes	Yes	No	No	Yes
TMEM140	Yes	Yes	No	No	Yes
UBA7	Yes	Yes	No	No	Yes
UBE2L6	Yes	Yes	No	No	Yes
USP18	Yes	Yes	No	No	Yes
IRF3	Yes	No	Yes	Yes	No
IRF4	Yes	No	Yes	Yes	No
HLA-F	Yes	No	Yes	No	Yes
BST2	Yes	No	No	Yes	Yes
OAS3	Yes	No	No	Yes	Yes
STAT1	Yes	No	No	Yes	Yes
GBP2	No	Yes	Yes	No	Yes
AIF1	No	No	Yes	Yes	Yes
CAMK2G	No	No	Yes	Yes	Yes
CCL13	No	No	Yes	Yes	Yes
CD86	No	No	Yes	Yes	Yes
CIITA	No	No	Yes	Yes	Yes
FCGR1A	No	No	Yes	Yes	Yes
FCGR1B	No	No	Yes	Yes	Yes
GBP1	No	No	Yes	Yes	Yes
GBP5	No	No	Yes	Yes	Yes
GCH1	No	No	Yes	Yes	Yes
HCK	No	No	Yes	Yes	Yes
HLA-DPA1	No	No	Yes	Yes	Yes
HLA-DPB1	No	No	Yes	Yes	Yes
HLA-DRA	No	No	Yes	Yes	Yes
HLA-DRB3	No	No	Yes	Yes	Yes
HLA-DRB4	No	No	Yes	Yes	Yes
IFNGR2	No	No	Yes	Yes	Yes
TRIM8	No	No	Yes	Yes	Yes
MOV10	Yes	Yes	No	No	No
PNPT1	Yes	Yes	No	No	No
PSME1	Yes	Yes	No	No	No
RSAD2	Yes	Yes	No	No	No
HLA-A	Yes	No	Yes	No	No
HLA-B	Yes	No	Yes	No	No
HLA-G	Yes	No	Yes	No	No
HLA-H	Yes	No	Yes	No	No
NUB1	Yes	No	No	Yes	No
FAM46A	Yes	No	No	No	Yes
IFIT1	Yes	No	No	No	Yes
LAMP3	Yes	No	No	No	Yes

MX2	Yes	No	No	No	Yes
NCOA7	Yes	No	No	No	Yes
PSMB9	Yes	No	No	No	Yes
TAP1	Yes	No	No	No	Yes
TYK2	Yes	No	No	No	Yes
WARS	Yes	No	No	No	Yes
XAF1	Yes	No	No	No	Yes
HLA-C	No	Yes	Yes	No	No
CXCL11	No	Yes	No	No	Yes
ELF1	No	Yes	No	No	Yes
IFITM3	No	Yes	No	No	Yes
IL7	No	Yes	No	No	Yes
IRF2	No	Yes	No	No	Yes
IRF9	No	Yes	No	No	Yes
NMI	No	Yes	No	No	Yes
PLSCR1	No	Yes	No	No	Yes
TDRD7	No	Yes	No	No	Yes
TXNIP	No	Yes	No	No	Yes
CCL1	No	No	Yes	Yes	No
CCL14	No	No	Yes	Yes	No
CCL15	No	No	Yes	Yes	No
CCL22	No	No	Yes	Yes	No
CCL23	No	No	Yes	Yes	No
CCL3	No	No	Yes	Yes	No
CCL3L1	No	No	Yes	Yes	No
CCL3L3	No	No	Yes	Yes	No
CCL4L2	No	No	Yes	Yes	No
CCL7	No	No	Yes	Yes	No
CD44	No	No	Yes	Yes	No
CXCL16	No	No	Yes	Yes	No
GAPDH	No	No	Yes	Yes	No
HLA-DQA1	No	No	Yes	Yes	No
HLA-DQB1	No	No	Yes	Yes	No
HLA-DRB5	No	No	Yes	Yes	No
NCAM1	No	No	Yes	Yes	No
AXL	No	No	Yes	No	Yes
IFNAR1	No	No	Yes	No	Yes
IFNGR1	No	No	Yes	No	Yes
IL12RB1	No	No	Yes	No	Yes
IRG1	No	No	Yes	No	Yes
LOC441019	No	No	Yes	No	Yes
MEFV	No	No	Yes	No	Yes
MT2A	No	No	Yes	No	Yes

PDE4B	No	No	Yes	No	Yes
PTPN2	No	No	Yes	No	Yes
PYCARD	No	No	Yes	No	Yes
RPL13A	No	No	Yes	No	Yes
SLC26A6	No	No	Yes	No	Yes
TLR7	No	No	Yes	No	Yes
TLR8	No	No	Yes	No	Yes
TRIM22	No	No	Yes	No	Yes
C19orf66	No	No	No	Yes	Yes
CCL19	No	No	No	Yes	Yes
CCL8	No	No	No	Yes	Yes
EPRS	No	No	No	Yes	Yes
KYNU	No	No	No	Yes	Yes
TRIM34	No	No	No	Yes	Yes
CCRL2	Yes	No	No	No	No
IFI27	Yes	No	No	No	No
IFITM1	Yes	No	No	No	No
IRF5	Yes	No	No	No	No
IRF8	Yes	No	No	No	No
LY6E	Yes	No	No	No	No
PSMA3	Yes	No	No	No	No
PSMB8	Yes	No	No	No	No
PSME2	Yes	No	No	No	No
RNASEL	Yes	No	No	No	No
RNF31	Yes	No	No	No	No
TRAFD1	Yes	No	No	No	No
TRIM56	Yes	No	No	No	No
C1S	No	Yes	No	No	No
CASP8	No	Yes	No	No	No
FAM125A	No	Yes	No	No	No
IL4R	No	Yes	No	No	No
PROCR	No	Yes	No	No	No
SLC25A28	No	Yes	No	No	No
TRIM25	No	Yes	No	No	No
BCL3	No	No	Yes	No	No
CCL20	No	No	Yes	No	No
CCL5	No	No	Yes	No	No
CCR2	No	No	Yes	No	No
CD14	No	No	Yes	No	No
CD244	No	No	Yes	No	No
DAPK1	No	No	Yes	No	No
EBI3	No	No	Yes	No	No
FADD	No	No	Yes	No	No

FZD5	No	No	Yes	No	No
HLA-DRB1	No	No	Yes	No	No
HLA-E	No	No	Yes	No	No
HMGB1	No	No	Yes	No	No
IL10	No	No	Yes	No	No
IL18	No	No	Yes	No	No
IL1B	No	No	Yes	No	No
IL27RA	No	No	Yes	No	No
JAK2	No	No	Yes	No	No
LILRB1	No	No	Yes	No	No
PIAS1	No	No	Yes	No	No
PML	No	No	Yes	No	No
PTAFR	No	No	Yes	No	No
PTPN22	No	No	Yes	No	No
PTPN6	No	No	Yes	No	No
RARA	No	No	Yes	No	No
SASH3	No	No	Yes	No	No
SLAMF1	No	No	Yes	No	No
SLAMF6	No	No	Yes	No	No
SLC11A1	No	No	Yes	No	No
TICAM2	No	No	Yes	No	No
TLR3	No	No	Yes	No	No
TLR4	No	No	Yes	No	No
TNF	No	No	Yes	No	No
TRIM38	No	No	Yes	No	No
TRIM62	No	No	Yes	No	No
CCL2	No	No	No	Yes	No
CYP27B1	No	No	No	Yes	No
EDN1	No	No	No	Yes	No
ICAM1	No	No	No	Yes	No
SEC61A1	No	No	No	Yes	No
SYNCRIP	No	No	No	Yes	No
TRIM68	No	No	No	Yes	No
MARCH1	No	No	No	No	Yes
ARID5B	No	No	No	No	Yes
ASS1	No	No	No	No	Yes
BTG1	No	No	No	No	Yes
CALCOCO2	No	No	No	No	Yes
CASP3	No	No	No	No	Yes
CASP4	No	No	No	No	Yes
CCL18	No	No	No	No	Yes
CD40	No	No	No	No	Yes
CD74	No	No	No	No	Yes

CDKN1A	No	No	No	No	Yes
DDX58	No	No	No	No	Yes
EGR1	No	No	No	No	Yes
FGL2	No	No	No	No	Yes
GAS6	No	No	No	No	Yes
HERC5	No	No	No	No	Yes
HLA-DMA	No	No	No	No	Yes
HMGB2	No	No	No	No	Yes
IFI6	No	No	No	No	Yes
IFITM2	No	No	No	No	Yes
IFNAR2	No	No	No	No	Yes
KPNB1	No	No	No	No	Yes
LAP3	No	No	No	No	Yes
LYSMD2	No	No	No	No	Yes
MAPK3	No	No	No	No	Yes
MTHFD2	No	No	No	No	Yes
NAMPT	No	No	No	No	Yes
NCOA3	No	No	No	No	Yes
NUP214	No	No	No	No	Yes
PCBP2	No	No	No	No	Yes
PELI1	No	No	No	No	Yes
POLR3C	No	No	No	No	Yes
PPM1B	No	No	No	No	Yes
PTGS2	No	No	No	No	Yes
RBCK1	No	No	No	No	Yes
RNF135	No	No	No	No	Yes
RNF216	No	No	No	No	Yes
RPS27A	No	No	No	No	Yes
SHMT2	No	No	No	No	Yes
SP100	No	No	No	No	Yes
ST8SIA4	No	No	No	No	Yes
STAT4	No	No	No	No	Yes
TAX1BP1	No	No	No	No	Yes
TLR2	No	No	No	No	Yes
TNFAIP6	No	No	No	No	Yes
TNFSF10	No	No	No	No	Yes
TOR1B	No	No	No	No	Yes
UBC	No	No	No	No	Yes
UBE2E1	No	No	No	No	Yes
ZBP1	No	No	No	No	Yes
ZNFX1	No	No	No	No	Yes

Supplemental Table E5. Leading edge gene list of M2 gene sets associated with transcriptional response of alveolar macrophages in allergen-induced asthma. For gene members of each gene set, log₂ ratio of post allergen/pre allergen RNA-seq counts are shown. Concordant indicates that the direction of gene expression change in MDMs following a given M2 stimulus (e.g., IL4) was in the same direction as when alveolar macrophages were exposed to allergen, whereas discordant implies that the direction of change was opposite (e.g., MDM genes down-regulated when stimulated by AZM are up-regulated in allergen-challenged alveolar macrophages).

Up-regulated transcriptional response after allergen challenge							
Induced by IL4 (concordant)	Log ₂ [Post/Pre]	Induced by IL10 (concordant)	Log ₂ [Post/Pre]	Suppressed by AZM (discordant)	Log ₂ [Post/Pre]	Suppressed by MP (discordant)	Log ₂ [Post/Pre]
CCL13	5.18	ENPP2	4.28	MERTK	4.82	SLC7A11	4.59
CCL17	5.86	SLC39A8	3.17	RNASE1	4.25	CCL2	3.99
ENPP2	4.28	TMEM176A	3.09	CD93	3.61	NLRP3	3.57
ALOX15	4.61	MTSS1	3.22	NLRP3	3.57	FCN1	3.72
GAS6	4.01	FAM20A	3.27	FCN1	3.72	TMEM176A	3.09
PARM1	4.73	IL21R	3.41	CORO1A	3.51	CCR7	3.33
CD209	3.81	SIGLEC10	3.16	GAL3ST4	4.23	IL21R	3.41
HSD11B1	4.03	LTBP2	4.18	SLC39A8	3.17	GPR84	3.39
CD200R1	4.71	FZD2	5.11	ETV5	3.53	TSPAN33	3.41
ADAM19	3.41	TDO2	3.04	ATP8B4	3.11	SLC7A5	2.70
TRAF1	3.25	EDNRB	6.06	CCND2	2.97	CD48	2.59
BIRC3	3.01	VCAN	2.07	SIGLEC10	3.16	CCL8	3.04
CST7	3.23	SMOX	1.73	ST8SIA4	2.86	IL411	2.63
CCR7	3.33	PNKD	1.52	GPR84	3.39	LGALS2	3.08
TNFRSF11A	4.02	PIM1	1.38	P2RY6	4.14	LAMP3	2.51
SLC7A5	2.70	CCL3L3	2.20	ADORA3	3.12	CCL7	5.48
CCL8	3.04	CBS	1.65	LAMP3	2.51	CCL22	2.80
LAMP3	2.51	SLAMF1	1.94	CAMK1	2.44	RFTN1	2.11
MAOA	2.98	CYP27B1	1.74	MS4A6A	2.16	CBX6	1.98
CAMK1	2.44	IL7R	1.20	FGL2	2.11	KCNK13	2.23
MS4A6A	2.16	PROK2	2.42	ARAP3	2.95	SLAMF7	2.16
GPR35	2.86	KIAA1199	3.95	STAT4	2.19	LILRB2	1.59
FGL2	2.11	UCP2	1.14	KCNK13	2.23	BCL11A	1.88
QPCT	2.22	TUBB3	2.71	CYP2S1	3.14	GPR68	2.10
HS3ST2	3.89	CD14	1.10	SMPDL3A	1.77	LILRB5	1.68
CCL22	2.80	BCL3	1.26	CEBPD	2.05	GJB2	2.86
RFTN1	2.11	NKG7	2.94	PTGS1	1.63	FAIM3	2.07
MREG	2.00	S100A8	1.13	LILRB2	1.59	ABP1	4.72

LY9	2.74	TBC1D14	1.05	C10orf54	1.53	C15orf48	1.40
TGFA	1.94	NFKBIZ	0.98	TACSTD2	2.75	CCL3L3	2.20
IL17RB	1.74	PFKFB3	0.91	SLC4A7	1.52	MSC	2.24
MST4	1.76	EMR2	0.92	IDO1	1.78	AGPAT9	1.38
PTGS1	1.63	CTSL1	0.85	ABP1	4.72	CYP27B1	1.74
HOMER2	2.69	MYH11	1.28	GIMAP7	1.84	IER3	1.26
TACSTD2	2.75	CHSY1	0.80	SPRY2	1.78	CLEC5A	1.27
SLC4A7	1.52	RARRES1	0.86	GAPT	1.52	FSCN1	1.35
FCRLB	4.38	GNA15	0.71	FPR3	1.34	UCP2	1.14
SLC22A16	2.43	FAM129B	0.67	GPR82	1.74	S100A8	1.13
TRAF5	1.54	OLFML2B	6.30	CLEC5A	1.27	MXD1	0.98
SLC26A11	1.48	IGFBP4	1.44	IL7R	1.20	CACNA2D3	5.73
GALM	1.53	RASSF4	0.57	CD14	1.10	MARCKSL1	1.27
CCL3L3	2.20	CD163	0.55	RASAL3	1.24	SLAMF6	1.18
CBS	1.65	METTL7B	4.09	S100A8	1.13	CCND1	1.81
SLAMF1	1.94			CRISPLD2	2.34	ASGR1	1.30
CYP27B1	1.74			LOC100129550	1.00	PEA15	0.83
MAF	1.24			ENTPD1	0.97	IL1B	0.79
GFOD1	1.61			CACNA2D3	5.73	NFKBIE	0.77
ASNS	1.64			RGS18	1.06		
IGF2BP2	1.58			MARCKSL1	1.27		
PDGFB	1.34			ARHGAP9	0.97		
TP53BP2	1.16			ASGR1	1.30		
RAB33A	4.49			ICAM3	1.00		
LHFP	3.97			CLECL1	1.57		
DNMT1	1.00			CD1D	0.99		
TMEM26	4.32			ZNF467	2.41		
HOPX	2.66			IL1B	0.79		
CH25H	1.55						
CTNNAL1	1.04						
MARCKSL1	1.27						
ITGAM	0.89						
RYBP	0.90						
PSAT1	1.18						
DNASE1L3	2.21						
LAD1	1.62						
SLC7A1	0.77						
TTYH2	0.96						

KIAA1671	1.06
CTNS	0.71
SLC41A2	0.70
PLDN	0.67
CLEC10A	5.98
FAM129B	0.67
CD1C	6.30
CD1E	6.36
PIK3R1	0.64
CHCHD10	0.79
NDFIP2	0.69
KCNK6	0.65
CCRN4L	0.72
SFT2D2	0.62
CD1B	7.41
SNX8	0.61
MYC	0.62
AP1B1	0.56
F13A1	7.70
PALLD	0.62
NFIL3	0.52
LYRM1	0.59
ZWILCH	0.55
AP2M1	0.51
CLEC4A	0.51
CKB	1.21
CAMK1D	0.53
CCDC90A	0.55
C17orf58	0.65
SRPK2	0.49
BZW2	0.48
CCL26	3.58

Down-regulated transcriptional response after allergen challenge

Suppressed by IL4 (concordant)	Log₂[Post/Pre]	Suppressed by IL10 (concordant)	Log₂[Post/Pre]	Induced by AZM (discordant)	Log₂[Post/Pre]	Induced by MP (discordant)	Log₂[Post/Pre]
HSPA6	-3.06	CAMP	-5.65	DDIT3	-2.61	GLDN	-2.52
CAMP	-5.65	IL28RA	-2.31	FAM89A	-2.30	RCAN1	-2.44
CES1	-2.20	GCHFR	-1.66	CES1	-2.20	CAMP	-5.65
ALDH2	-1.98	ALOX5AP	-1.58	MLPH	-2.11	HPGD	-2.29
BOK	-3.40	OAS1	-1.50	EGR2	-2.07	FAM89A	-2.30
LDLR	-1.81	IFIT2	-1.42	LDLR	-1.81	C1QA	-2.21
PECAM1	-1.78	ACP5	-1.40	SLC47A1	-1.79	LPL	-2.04
C21orf7	-2.04	IFIT3	-1.38	ATF3	-1.77	THBS1	-1.87
FOLR3	-2.10	IFIT1	-1.31	SCD	-1.75	C19orf59	-1.87
GCHFR	-1.66	SLC35E3	-1.25	HES2	-2.13	MTMR11	-1.98
ALOX5AP	-1.58	OAS2	-1.00	PLIN2	-1.60	MMP19	-1.63
TMEM173	-1.61	GBP4	-0.99	NUPR1	-1.70	PLIN2	-1.60
CFD	-1.81	CYB5A	-1.05	KLHL6	-1.42	TXNIP	-1.58
NUPR1	-1.70	FAM46A	-0.95	SQLE	-1.47	PKP2	-1.99
CXCL5	-1.47	NT5C3	-0.98	ZNF589	-1.44	ALOX5AP	-1.58
AZI2	-1.42	PLAC8	-0.90	HMGCS1	-1.32	CFD	-1.81
IFIT2	-1.42	IFI44L	-0.77	PHACTR1	-1.25	DHCR24	-1.53
IFIT3	-1.38	HERC5	-0.62	IRS2	-1.22	SORT1	-1.44
EMR3	-1.43	IFI44	-0.57	PSD3	-1.23	C1QB	-1.43
SLC11A1	-1.37	OAS3	-0.56	ACOT4	-1.47	AZI2	-1.42
AKR1C3	-1.40	QPRT	-1.05	BAMBI	-1.71	AKR1C3	-1.40
DEDD2	-1.37	HLA-F	-0.55	CYP27A1	-1.16	ZNF589	-1.44
DPEP2	-1.46			PKD2L1	-1.36	ACACB	-1.32
GRN	-1.32			GDF15	-1.74	IRS2	-1.22
C5AR1	-1.31			IDI1	-1.12	KCNE1	-1.51
IFIT1	-1.31			COL8A2	-1.12	SLA	-1.19
HK2	-1.26			CCRL2	-1.09	SERPINE1	-1.43
ALOX5	-1.25			P2RX7	-1.14	ABHD6	-1.34
LY86	-1.25			CYGB	-1.88	ENPP4	-1.15
ID3	-1.27			SPRY1	-1.10	TFCP2L1	-1.22
LTA4H	-1.21			LGALS3	-1.01	VSIG4	-1.12
FCGR1A	-1.24			VWF	-1.37	FGD2	-1.11
CYP27A1	-1.16			TFRC	-0.99	SLC35E3	-1.25
VSIG4	-1.12			KIF16B	-1.01	KLF4	-1.05
MGST1	-1.16			WARS	-0.87	SLCO2B1	-1.02

GLRX	-1.10	PSEN2	-0.93	SPRY1	-1.10
OSM	-1.13	ARL4A	-0.87	RNASE4	-1.12
LYZ	-1.09	UBTD2	-0.90	C1QC	-0.97
ALDH1A1	-1.08	FAM134B	-0.84	EIF4A3	-0.97
GYPC	-1.29	DENND2D	-0.80	STOM	-0.92
RNASE4	-1.12	DHDH	-2.00	MFGE8	-1.11
CASP1	-1.02	FDX1	-0.72	KIAA0513	-0.90
C10orf58	-1.08	KLHDC8B	-0.74	DUSP1	-0.87
FANCE	-1.47	UPP1	-0.73	DENND4C	-0.87
GBP4	-0.99	OPTN	-0.75	ERGIC1	-0.88
VNN2	-1.18	SPIRE1	-0.69	PICK1	-1.00
CYB5A	-1.05	RTN4R	-0.98	SNX10	-0.86
CD300LF	-1.00	VAT1	-0.64	ARL4A	-0.87
RAB11FIP1	-0.94	FKBP15	-0.64	CNIH4	-0.91
HVCN1	-1.01	ACOT1	-0.72	TBC1D16	-0.94
FCGR1B	-1.27	SEPHS2	-0.62	FOS	-0.77
FPR2	-0.95	UGCG	-0.60	PRKCH	-0.78
S100A4	-0.91	ADCY3	-0.59	CFDP1	-1.01
COLEC12	-0.88	ATG4A	-0.61	KIAA0528	-0.77
HSD17B11	-0.86	SLC25A24	-0.53	OGFRL1	-0.73
SNX10	-0.86	AGPS	-0.52	PHF15	-0.73
HNMT	-0.87	DNASE2B	-0.73	GADD45B	-0.70
PLAC8	-0.90	C14orf109	-0.55	FZD4	-0.92
SCCPDH	-0.86	BCL2A1	-0.49	FILIP1L	-0.67
TLR7	-0.85	GPNMB	-0.47	ZCCHC6	-0.62
FAM113B	-0.88	LITAF	-0.47	SH3PXD2B	-0.62
MLKL	-0.83	HES4	-1.11	ETS2	-0.59
GRINA	-0.79	CLIP4	-0.46	ALDH7A1	-0.73
IFI44L	-0.77	PTGR1	-0.56	TCN2	-0.59
KLHDC8B	-0.74	FBXO32	-0.60	ARMCX6	-0.60
NBPF3	-0.86	XBP1	-0.44		
STX11	-0.67	RDX	-0.43		
ADRB2	-0.69	TSKU	-0.73		
GPBAR1	-0.85	GM2A	-0.42		
CLEC12A	-0.65				
DRAM1	-0.62				
HERC5	-0.62				
GPX3	-0.62				

DNASE2	-0.59			
FCGR2A	-0.56			
SLC25A24	-0.53			
TLR8	-0.53			
MYD88	-0.51			
SLC16A10	-0.53			
NINJ2	-0.70			
CMBL	-0.99			
MEGF9	-0.50			
TRIM22	-0.49			
PLEKHG3	-0.53			
TNFSF10	-0.47			
MT1H	-3.58			
MTHFS	-0.64			
AGTRAP	-0.51			
C3AR1	-0.45			