

Supplementary Information

RCA2 – An improved framework for reference component analysis of scRNA-seq data.

1 Reference panels

1.1 Included reference panels

In RCA2, we provide the following panels:

- a) Global panel from the original RCA (Li et al., 2017) containing both primary cell types and tissues.
- b) 15 hematopoietic cell types obtained from FACS sorted PBMCs (Novershtern et al., 2011): *Naive B-Cells, Mature B-Cells, Plasmacytoid Dendritic Cell, Myeloid Dendritic Cell, Hematopoietic stem cell, Megakaryocyte, Monocyte, Non-classical Monocyte, Mature NK cell_CD56+ CD16+ CD3, Naive CD8+ T-cell, CD8+ Effector Memory, CD8+ Central Memory, Naive CD4+ T-cell, CD4+ Effector Memory, CD4+ Central Memory*
- c) NovershternTCellPanel: Selection of six T cell sub-types from Novershtern et al. (Cell, 2011).
- d) 28 immune cell types obtained from blood samples (Monaco et al. 2019) : *Basophils, B-Ex, B-naive, B-NSM, B-SM, CD4 naive, CD8 CM, CD8 EM, CD8 naive, CD8 TE, C-mono, I-mono, MAIT, mDC, NC-mono, Neutrophils, NK, pDC, Plasma blasts, Progenitor, TFH, Th1, Th17, Th1/Th17, Th2, TReg, VD2negative, VD2positive.*
- e) MonacoBCellPanel: Selection of six five B cell sub-types from Monaco G., et al. (Cell reports, 2019).
- f) MonacoMonoPanel: Selection of five Monocyte sub-types from Monaco G., et al. (Cell reports, 2019).
- g) MonacoTCellPanel: Selection of 15 T cell sub-types from Monaco, G., et al. (Cell reports, 2019).
- h) Mus Musculus brain panel containing 7 cell types (Zhang et al. 2016): *Astrocytes, Neurons, Microglia, Endothelial Cells, Newly-formed Oligodendrocytes, Myelinating Oligodendrocytes, Oligodendrocyte Precursor Cells.*
- i) ENCODE homo sapiens panel containing 97 cell types generated using RCA2 build panel function: *Skin Fibroblast, Endodermal Cell, Neural Cell, T-Cell, Mesendoderm, Neural Stem Progenitor Cell, Endothelial Cell Of Umbilical Vein, Fibroblast Of Skin Of Abdomen, CD4-Positive, Alpha-Beta T Cell, Purkinje Cell, Fibroblast Of Breast, Smooth Muscle Cell, Trophoblast Cell, Common Myeloid Progenitor, CD34-Positive, Mesenchymal Cell, CD8-Positive, Alpha-Beta T Cell, Foreskin Keratinocyte, Mammary Stem Cell, Fibroblast Of Lung, Foreskin Fibroblast, Neurosphere, Myoepithelial Cell Of Mammary Gland, Skeletal Muscle Myoblast, Luminal Epithelial Cell Of Mammary Gland, Mesodermal Cell, Keratinocyte, B Cell, CD14-Positive Monocyte, Peripheral Blood Mononuclear Cell, Ectodermal Cell, Foreskin Melanocyte, Hepatocyte, Cardiac Muscle Cell, Bipolar Neuron, Natural Killer Cell, Astrocyte, Mammary Epithelial Cell, Aortic Smooth Muscle Cell, Epithelial Cell Of Umbilical Artery, Smooth Muscle Cell Of The Umbilical Artery, Tracheal Epithelial Cell, Nasal Cavity Respiratory Epithelium Epithelial Cell Of Viscerocranial Mucosa, Smooth Muscle Cell Of The Coronary Artery, Thoracic Aorta Endothelial Cell, Regular Cardiac Myocyte, Dermis Microvascular Lymphatic Vessel Endothelial*

Cell, Dermis Lymphatic Vessel Endothelial Cell, Bronchial Smooth Muscle Cell, Endothelial Cell Of Coronary Artery, Mesenchymal Stem Cell Of Whartons Jelly, Smooth Muscle Cell Of The Pulmonary Artery, Bronchus Fibroblast Of Lung, Endometrial Microvascular Endothelial Cells, Uterine Smooth Muscle Cell, Smooth Muscle Cell Of Trachea, Melanocyte Of Skin, Mammary Microvascular Endothelial Cell, Bronchial Epithelial Cell, Hematopoietic Multipotent Progenitor Cell, Bladder Microvascular Endothelial Cell, Fibroblast Of The Aortic Adventitia, Mononuclear Cell, Fibroblast Of Villous Mesenchyme, Placental Epithelial Cell, Osteoblast, Mesenchymal Stem Cell Of Adipose, Skeletal Muscle Satellite Cell, Cardiac Atrium Fibroblast, Epithelial Cell Of Alveolus Of Lung, Kidney Epithelial Cell, Vein Endothelial Cell, Renal Cortical Epithelial Cell, Myotube, Smooth Muscle Cell Of Bladder, Myometrial Cell, Neural Progenitor Cell, Pulmonary Artery Endothelial Cell, Hair Follicle Dermal Papilla Cell, Fibroblast Of Dermis, Lung Microvascular Endothelial Cell, Myocyte, Dermis Blood Vessel Endothelial Cell, Placental Pericyte, Articular Chondrocyte Of Knee Joint, Mesenchymal Stem Cell Of The Bone Marrow, Cardiac Ventricle Fibroblast, Airway Epithelial Cell, Epithelial Cell Of Proximal Tubule, Subcutaneous Preadipocyte, Pericardium Fibroblast, Mesangial Cell, Hair Follicular Keratinocyte, Glomerular Endothelial Cell.

- j) ENCODE Mus Musculus panel containing 15 cell types: *Erythroblast, Megakaryocyte, Erythroid Progenitor Cell, Megakaryocyte Progenitor Cell, Megakaryocyte-Erythroid Progenitor Cell, Granulocyte Monocyte Progenitor Cell, Hematopoietic Multipotent Progenitor Cell, Common Myeloid Progenitor, Monocyte, Neutrophil, Hematopoietic Stem Cell, Bone Marrow Macrophage, Embryonic Fibroblast, Myocyte, Leukemia Stem Cell.*
- k) A CITE-seq panel based on Seurat 4.0 containing 34 cell types: *CD14 Mono, CD4 TCM, CD8 Naïve, NK, CD8 TEM, CD16 Mono, B intermediate lambda, CD4 Naïve, CD4 CTL, B naive kappa, MAIT, gdT, CD8 TCM, dnT, B intermediate kappa, B memory kappa, pDC, B naive lambda, CD8 Proliferating, Treg Naïve, Plasma, CD4 TEM, Treg Memory, cDC2, NK Proliferating, ASDC, B memory lambda, HSPC, Platelet, CD4 Proliferating, Eryth, Plasmablast, cDC1, ILC.*

Panel (a) is identical to the panel from Li et al. (2017), used in the original RCA. Panels (b-h) have been generated in the same way as panels (a) (Li et al. (2017)). Panels (i-k) have been generated using the methodology described in the Section 6.

Panel (b) was created as follows: FACS sorted microarray of 38 immune cell types was obtained from the Gene Expression Omnibus (GEO) database; accession number: GSE24759. All progenitor cells as well as cells not assigned to a fully differentiated state were excluded as they did not exhibit a distinctive transcriptome. In addition, granulocytes (including neutrophils, basophils and eosinophils) as well as denucleated erythrocytes were excluded, resulting in 15 distinct immune cell types representing PBMCs populations. After quantile normalization and \log_{10} transformation of the data using the *preprocessCore* R package, two rounds of feature selection were performed. First, 2383 highly variable genes, were selected to generate the distance matrix and dendrogram plot of all cell types. Here, highly variable genes are defined as genes with an expression fold change relative to mean expression across all cell types being higher than 1.8. At this stage, replicates of cell types clustered far apart from the respective cell type clusters were labelled as outliers and consequently removed from the dataset. To further refine the feature genes, a pair-wise differential expression (DE) analysis between nodes in the dendrogram was performed using a two-sided *t-test*, considering a log fold change of 2 and a q-value cut-off of 0.05 as thresholds to determine de genes.

Taking the union of DE genes across all comparisons resulted in a combined set of 966 genes as final feature genes to compile a PBMC reference panel. Importantly, the majority of these genes (955 gene) have been already detected in the first round of feature selection testing for highly variable genes. This indicates that the feature refinement step led to removal of genes which are likely to be common across sup-populations of major cell types. Therefore, removing those improved our ability to detect sub-populations within major cell types.

1.2 Panel Selection

There are several ways how users can decide which reference panel to use. An obvious way is to choose the panel with most matched expected cell types. If expected cell type information is not available, we suggest to try either the Global, ENCODE, or CITE-seq panel.

In instances where the focus is on immune cells, we suggest to use the Noverstern or the Monaco panel.

The ability to project cells against multiple reference panels at once helps to circumvent the “Panel Selection problem”, as it is an easy way to combine information from various panels in one reference space. For example, once can combine immune panels (e.g. CITE-seq, Noverstern and Monaco) or for instance the more general Global and ENCODE Panels.

2 Supplementary Methods

2.1 Build Your Own Panel

First, it generates a pseudo bulk for replicates across cell types. Next, RCA2 calculates a PCA of a spearman correlation distance matrix of cell types and clusters the PCA representation of samples considering all PCs that explain at least 1% of the variance in the distance matrix. Based on a user-provided cut-height, similar cell types are identified and differentially expressed genes with a lenient log₂ fold-change cut-off (default 2) are computed within the identified clusters using the default edgeR pipeline. This approach ensures that enough DE genes are computed for highly similar cell types without adding unnecessary amounts of noise to easily distinguishable cell types. Next, the default edgeR workflow is applied to call DE genes across all cell types using a more stringent log₂ fold-change cut-off (default 6). The union of genes obtained from both steps is selected to be the feature set of the reference panel, which is constructed by selecting the rows corresponding to the features and by merging replicates.

2.2 Cell type annotation

From the projection matrix P , we identify, for each cell i , the cell type t associated to the highest score according to

$$t := \text{index}^{P_i} (\max (P_i)),$$

where *index* returns the column index corresponding to the cell type of the projection matrix P holding the highest correlation for cell i .

We compute two optional metrics that can be visualized in UMAP plots to estimate the confidence of cell type assignments.

Firstly, we assess the confidence of the annotation for each cell individually by computing a ratio-score r between $\max(P_i)$ and $\max_2(P_i)$ according to:

$$r=1-\text{abs}(\max(P_i)/\max_2(P_i)).$$

The value of r is close to 0 if the second highest score for cell i in P is similar to the highest score. If the value of r is smaller than a user-defined threshold, a cell will be labelled as *Unknown*. The ratio-score is visualized by adding transparency to the UMAP plots: The closer r is to 0 the more transparent a cell will be.

Secondly, we calculate a rank based score across all cells that are assigned to cell type t . Specifically, we compute for a cell i that has been assigned to cell type t , the relative rank of the cells score $P_{i,t}$ among all other cells labeled to be of cell identity t . The relative rank score is visualized by a color gradient.

2.3 GO and KEGG enrichment

By default, we consider cluster-specific background sets composed of genes expressed within each cluster. Alternatively, all genes expressed across all clusters or simply all genes available in the used annotation can be considered.

Several options are available to distinguish expressed from not expressed genes: a numeric threshold, the 1st quartile, the mean, the median or the 3rd quartile of the distribution of mean gene-expression values within one or across all clusters. For each tested cluster, RCA2 generates barplots, dotplots and GoPlots (if applicable).

2.4 Experimental details bone marrow data

Briefly, bone marrow aspirates were drawn from the posterior iliac crest of donors using standard operating procedures.

Mononuclear cells (MNCs) were isolated using density gradient separation using standard protocols.

Frozen BMMNCs were rapidly thawed at 37-degree C in RPM1 medium supplemented with 10% FBS and containing DNase1 (50,000 units) (catalog#260913, Calbiochem) to prevent cell clumping.

To isolate viable cells, BMMNCs were subjected to dead cell removal using a dead cell removal kit (catalog no. #130-090-101, Miltenyi biotec, Germany). Next, positive selection for CD34-positive cells was performed using the direct CD34 progenitor cell isolation kit (catalog no. #130-046-703, Miltenyi biotec, Germany).

The “flow-through” from the column was used as the CD34-negative fraction. Only samples with higher than 80-85 percent viability were used for downstream scRNA seq analysis.

Before loading the samples for scRNA sequencing into the Chromium system (10X Genomics), the single-cell suspension of CD34 positive and CD34 negative BMMNCs were re-counted and assayed for viability by trypan-blue exclusion principle based methodology. Cells were barcoded and UMI resolved single-cell sequencing libraries were generated using Chromium Single Cell 5' Reagent Kit (PN-1000006). We targeted 6,000 and 10,000 cells for CD34 positive and negative cell fractions, respectively.

We followed the instructions as listed in the manufacturer’s product manual to generate an emulsion of cells entrapped along with barcoded beads.

The bead emulsion was transferred into a PCR strip and subjected to 13 cycles of cDNA synthesis. Subsequently, the synthesized cDNA was cleaned up with AMPure XP beads (A63881) and 25ng of cDNA were used for library preparation in compliance with manufacturer's instructions. Generated libraries were further cleaned up with AMPure XP beads and the final quantity and quality of libraries was assessed on Bioanalyzer using High Sensitivity DNA Kit (5067-4626, 5067-4627; Agilent).

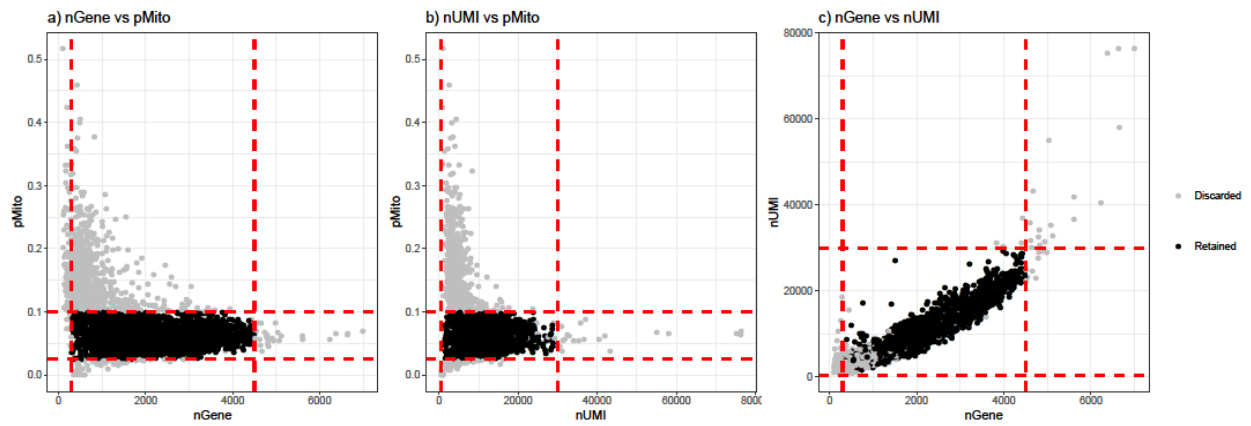
Each library was sequenced on one lane of a HiSeq4000, targeting 70,000-100,000 reads per cell.

2.5 Benchmarking of runtime and memory consumption

We benchmarked RCAv2 against RCAv1 with respect to the runtime of the projection and memory consumption using lovain graph based clustering. We obtained the original RCA implementation from <https://github.com/GIS-SP-Group/RCA>. The benchmarking is carried out on a large in-house single cell data set, which is downsampled to 1000, 2000, 5000, 10000, 20000, 50000, 100000 and 200000 cells, respectively. We use a notebook equipped with an Intel(R) Core(TM) i9-9980HK CPU @ 2.40GHz, 2400 Mhz, 8 Core(s), 16 Logical Processor(s) and 64GB memory for the benchmarking experiments.

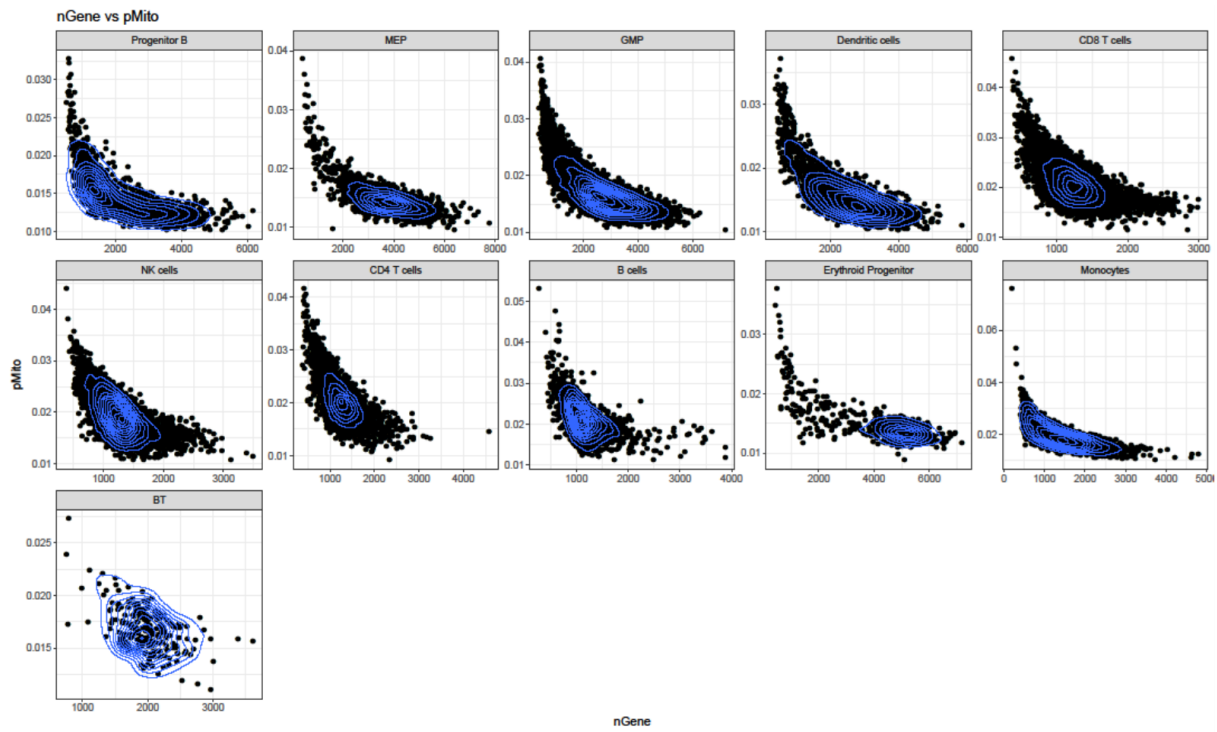
Upon downsampling we project the scRNA-seq data sets using the `dataProject()` function with default parameters. We use the `system.time()` function in R to measure the time used for computation and report the time from the `user` slot. Memory consumption of the `dataSClust` function is assessed with the `profmem()` function from the `profmem` library and the total sum of allocated bytes (excluding NAs) is reported. The same functions, `system.time()` and `profmem()`, are used to benchmark RCAv1, which was used using default parameters.

3. Supplementary Tables and Figures

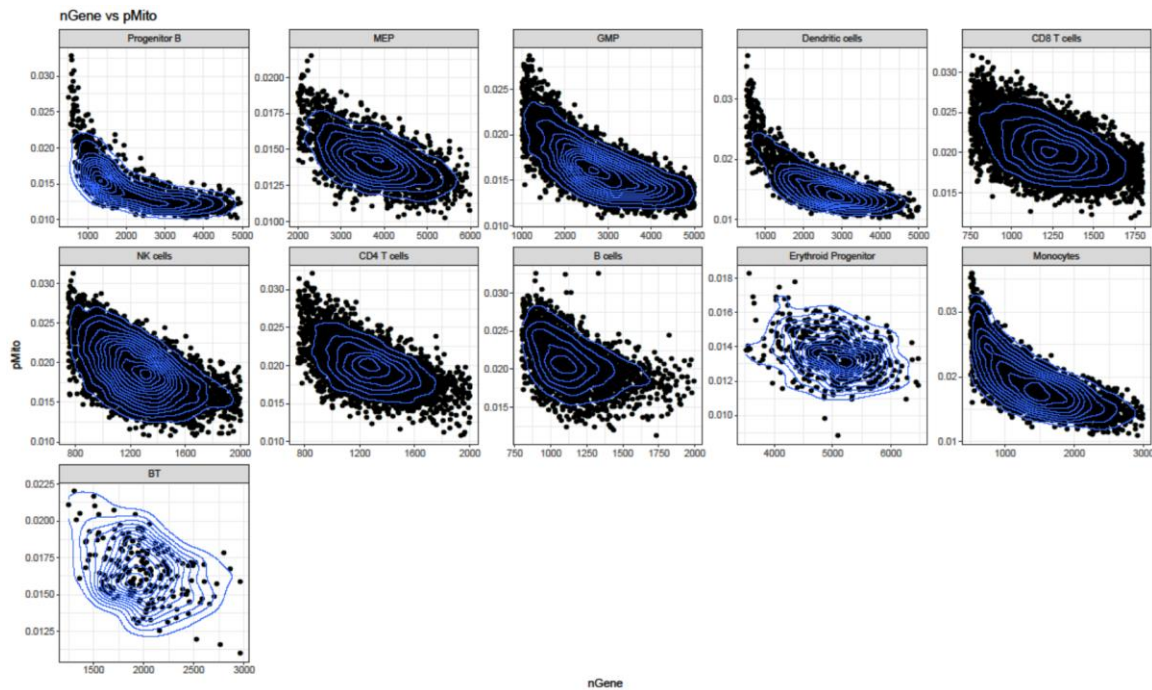


Supplementary Figure 1: Illustration of RCA2 quality control metrics and scatter-plots. As a quality metric, the number of detected genes (nGene), the mitochondrial rate (pMito) and the number of unique molecular identifiers (nUMI) are used. Red lines indicate user defined thresholds, cells colored black are retained and cells colored grey are discarded upon quality control.

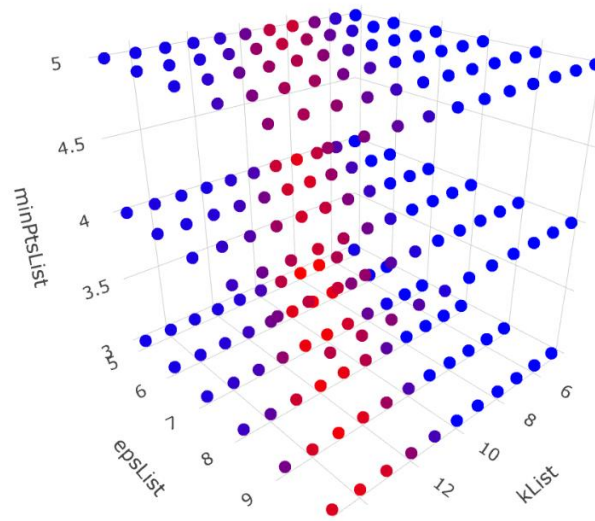
a)



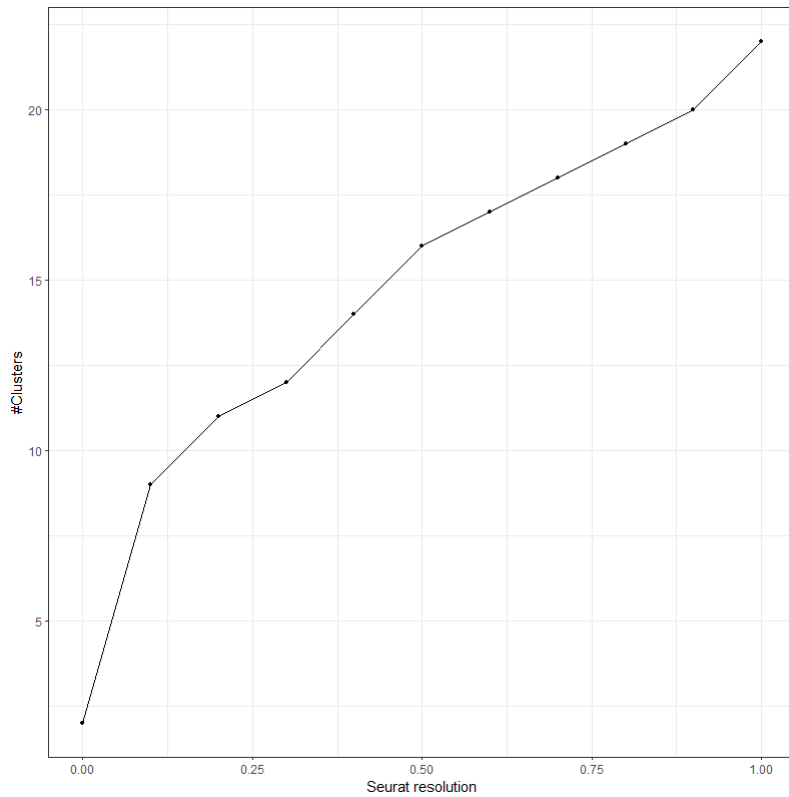
b)



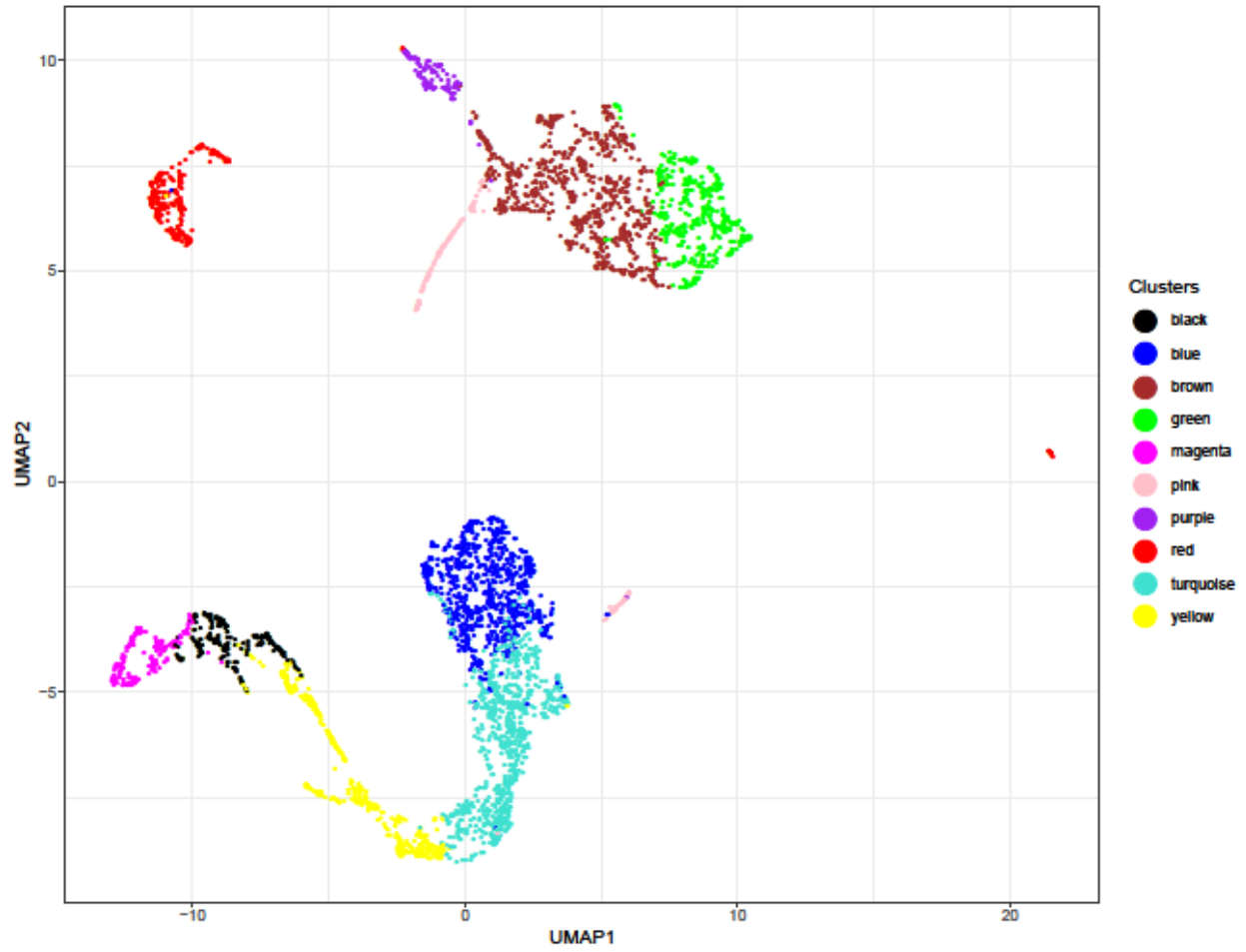
Supplementary Figure 2: Illustration of major cell type specific quality control information (number of detected Genes (nGene) versus percent Mitochondrial rates (pMito) calculated **a)** before and **b)** after applying QC-Thresholding using an in-house normal bone marrow data set.



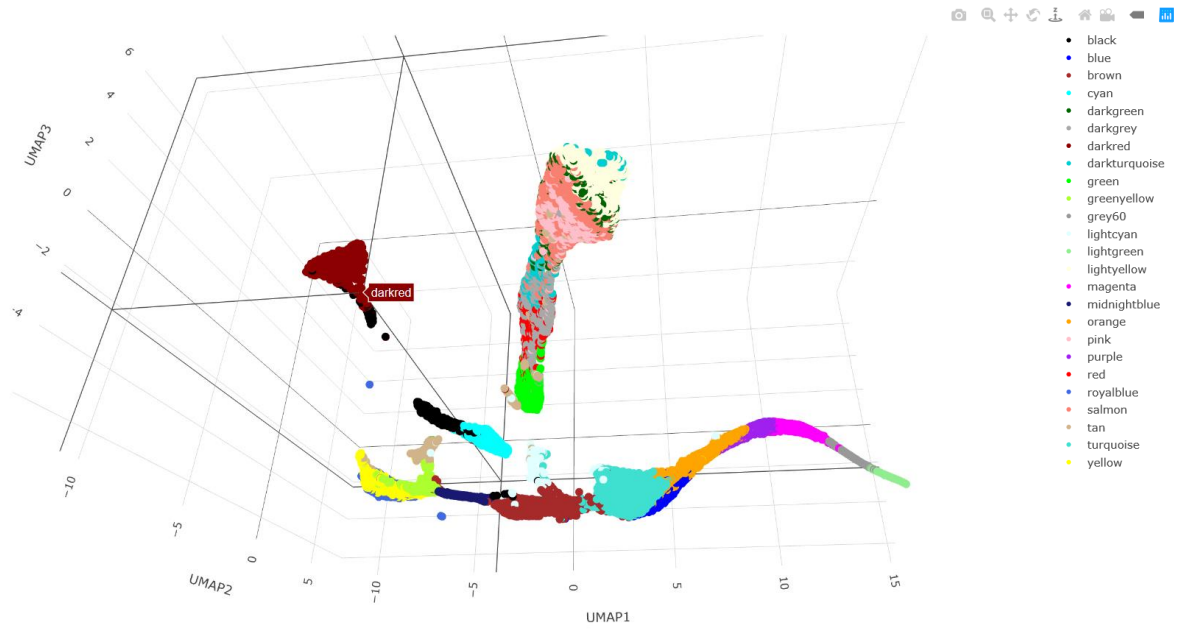
Supplementary Figure 3: Three dimensional visualization of the parameter space used for graph based clustering as implemented in *dbscan*. Color code and mouse over events indicate the resulting number of clusters.



Supplementary Figure 4: Overview on #clusters depending on the selected Seurat resolution generated on the 10X PBMC example data set.

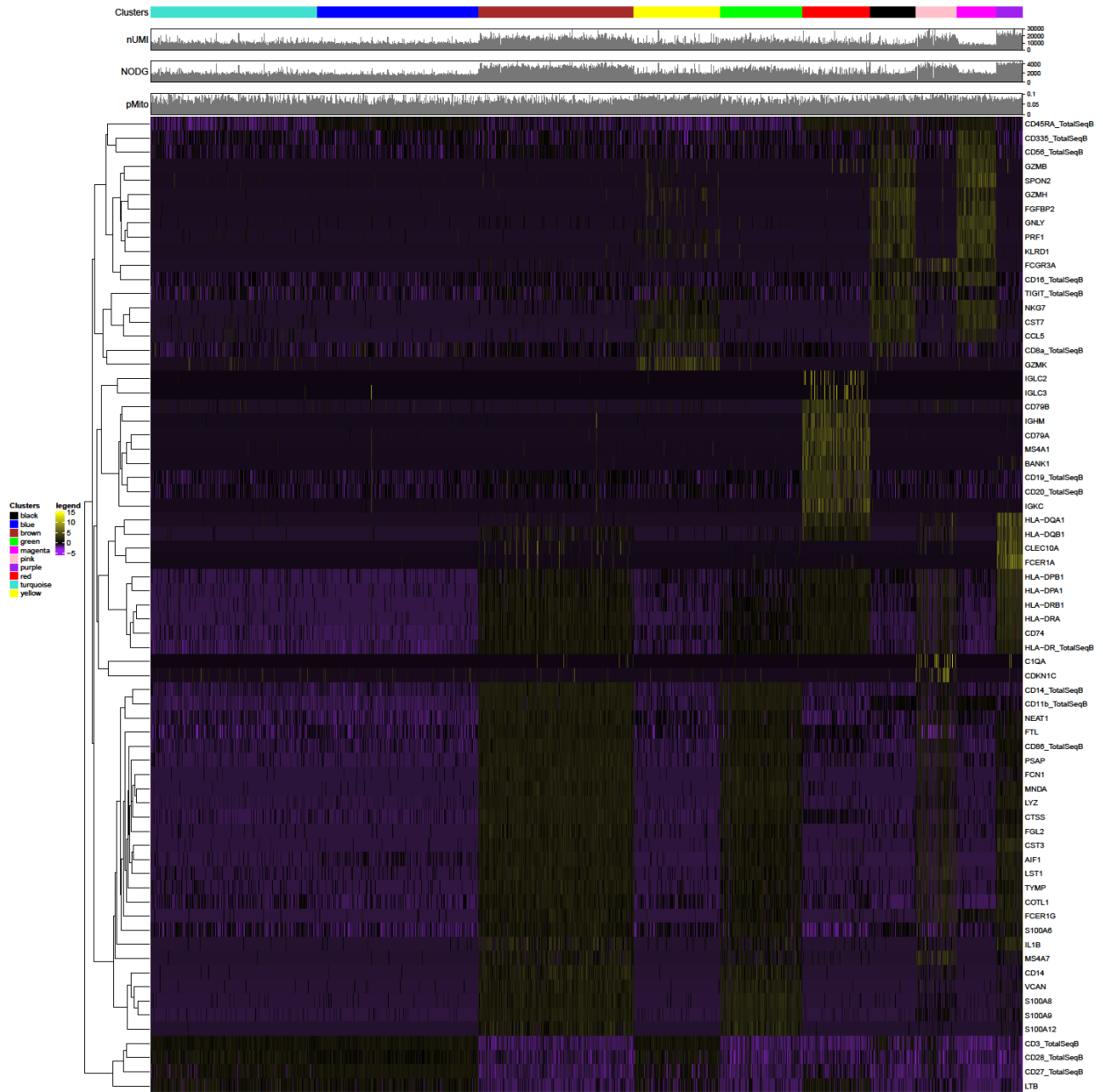


Supplementary Figure 5: Example of a 2D UMAP reduction of a RCA projection colored by identified clusters using the 10X PBMC example data set.

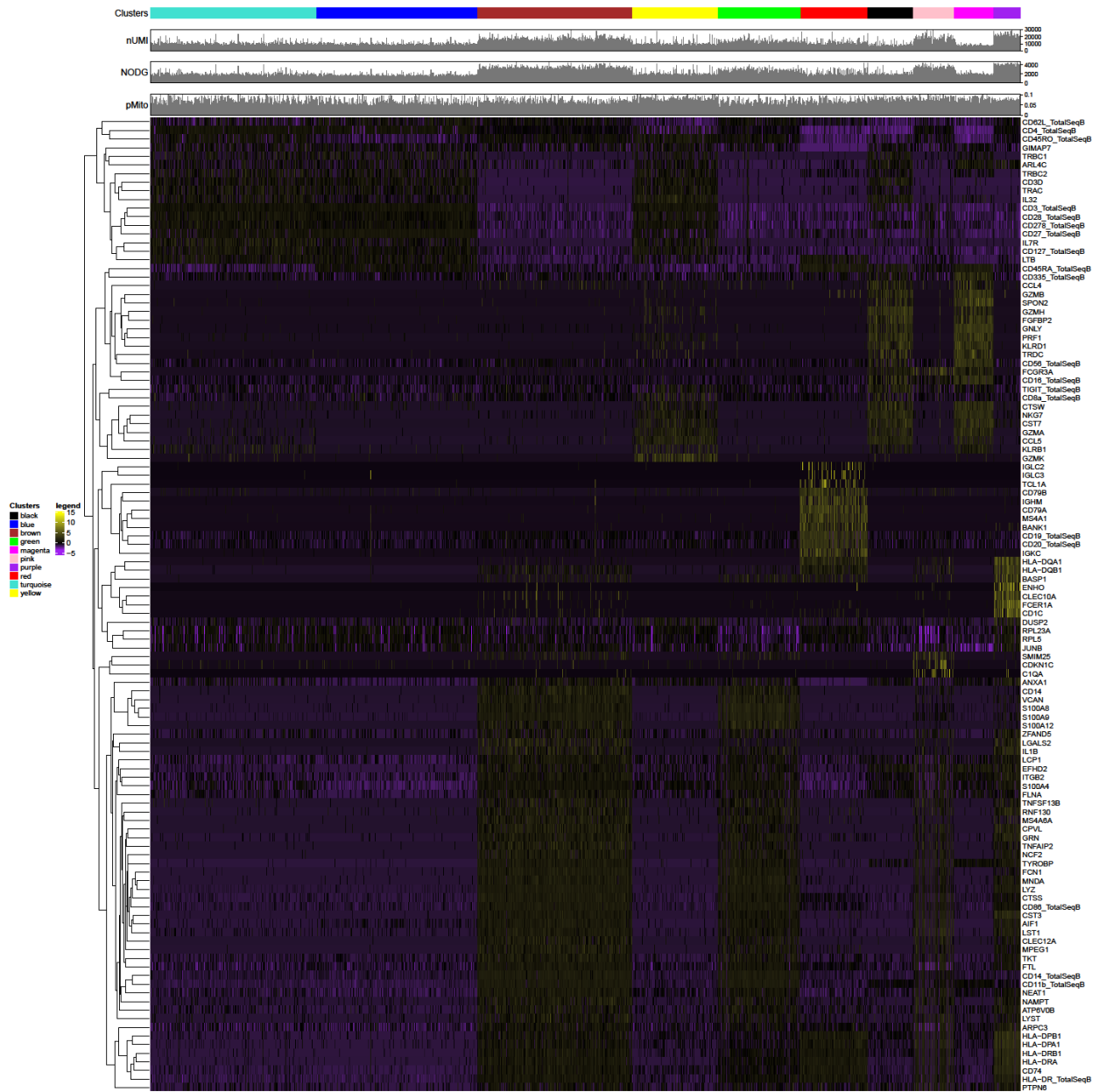


Supplementary Figure 6: Reduction of the reference projection to three dimensions using a UMAP on the normal bone marrow data set. Mouse over events as well as the color code allow the user to learn about cell labels and characteristics. The HTML version of the Figure can be interactively viewed and modified.

a)

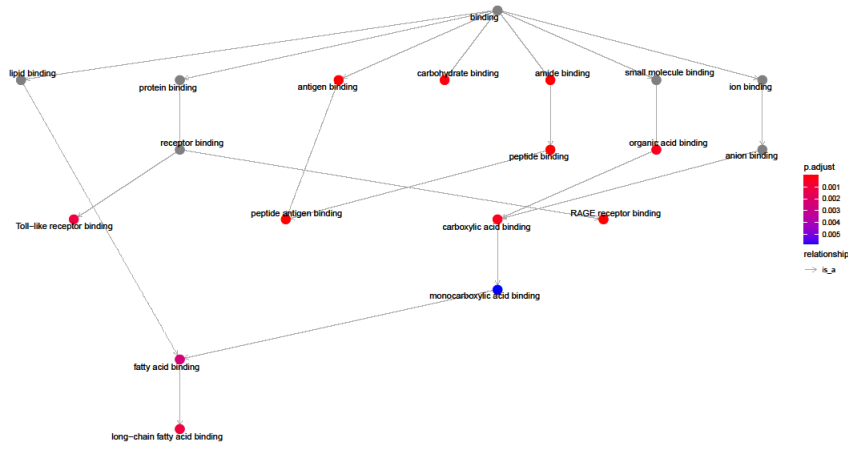


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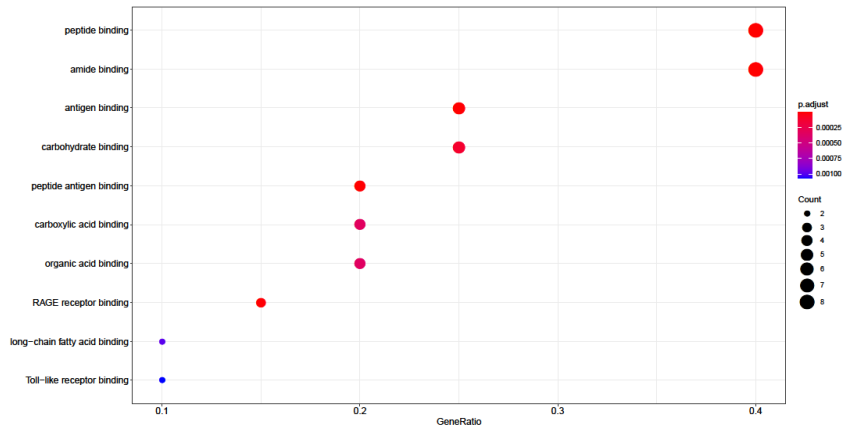


Supplementary Figure 7: Heatmap visualizing DE genes computed for the 10X PBMC example clustered using RCA2. DE genes are computed in either **a)** 1 vs all or **b)** pairwise manner.

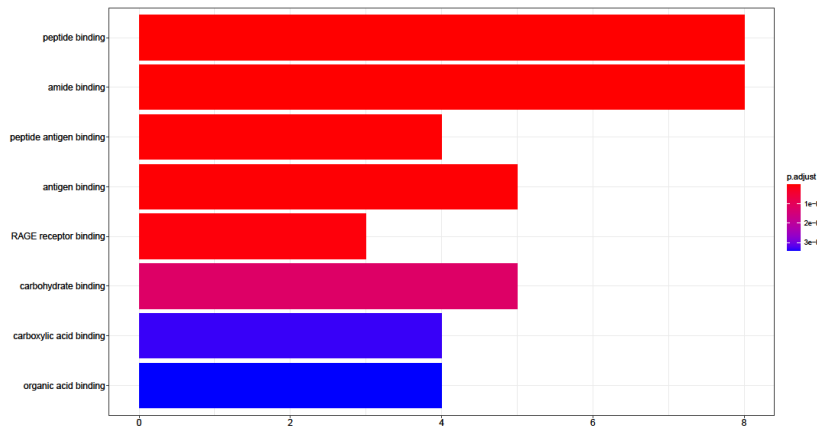
a)



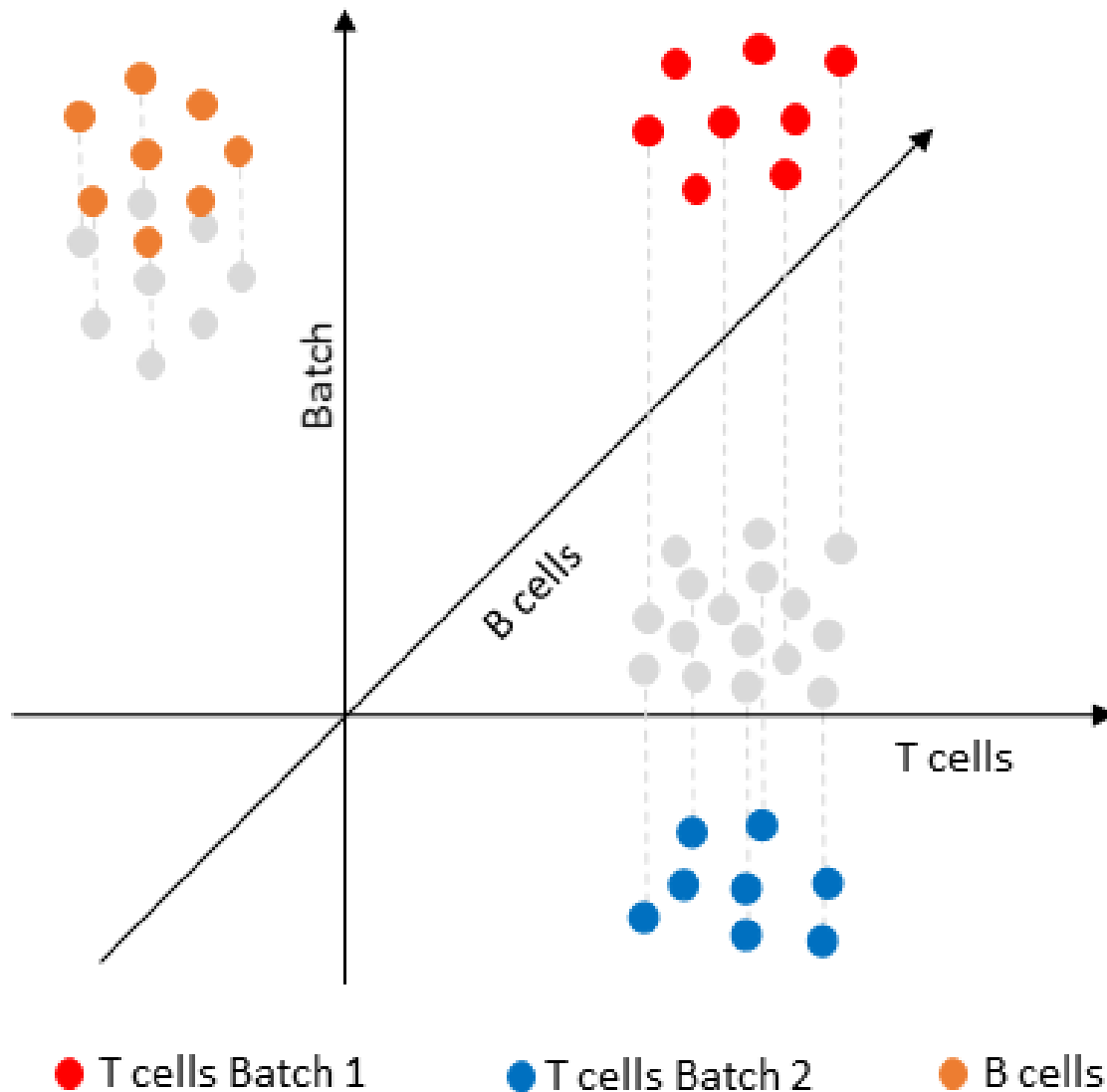
b)



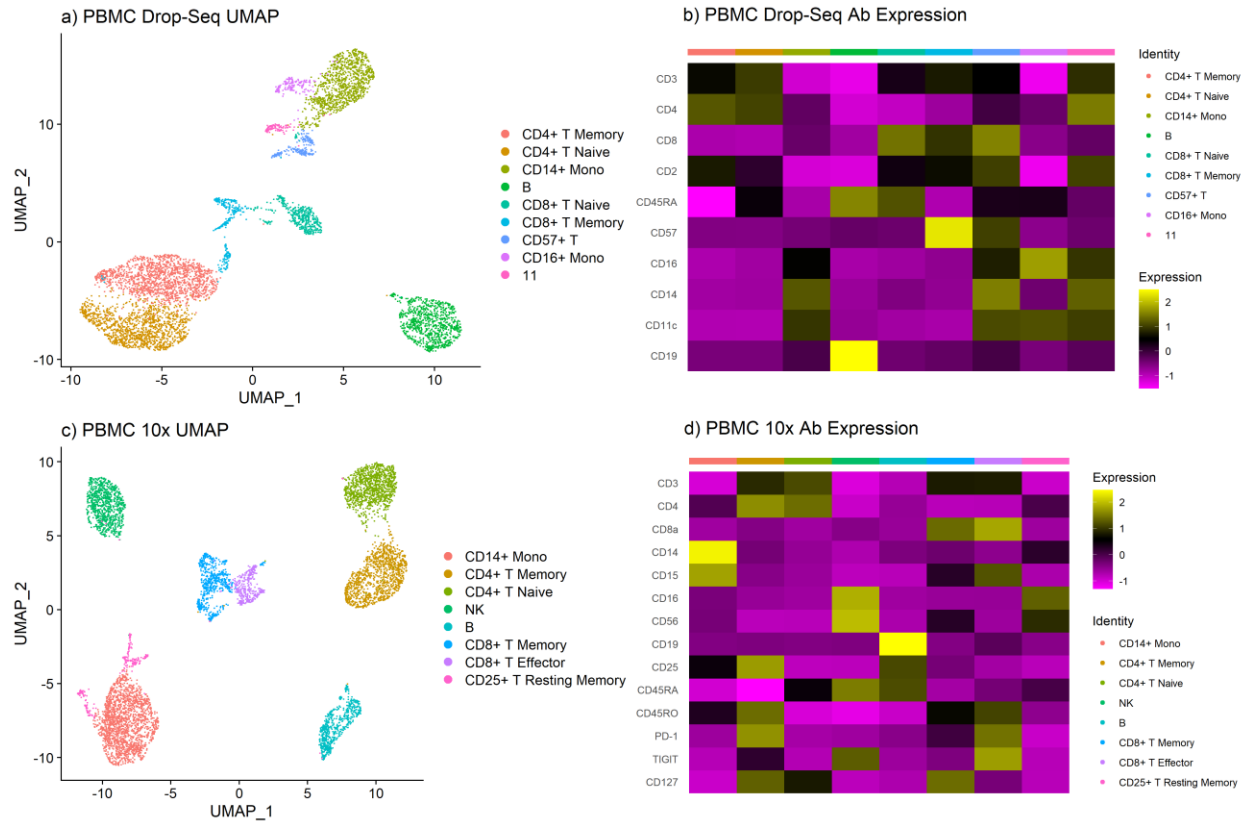
c)



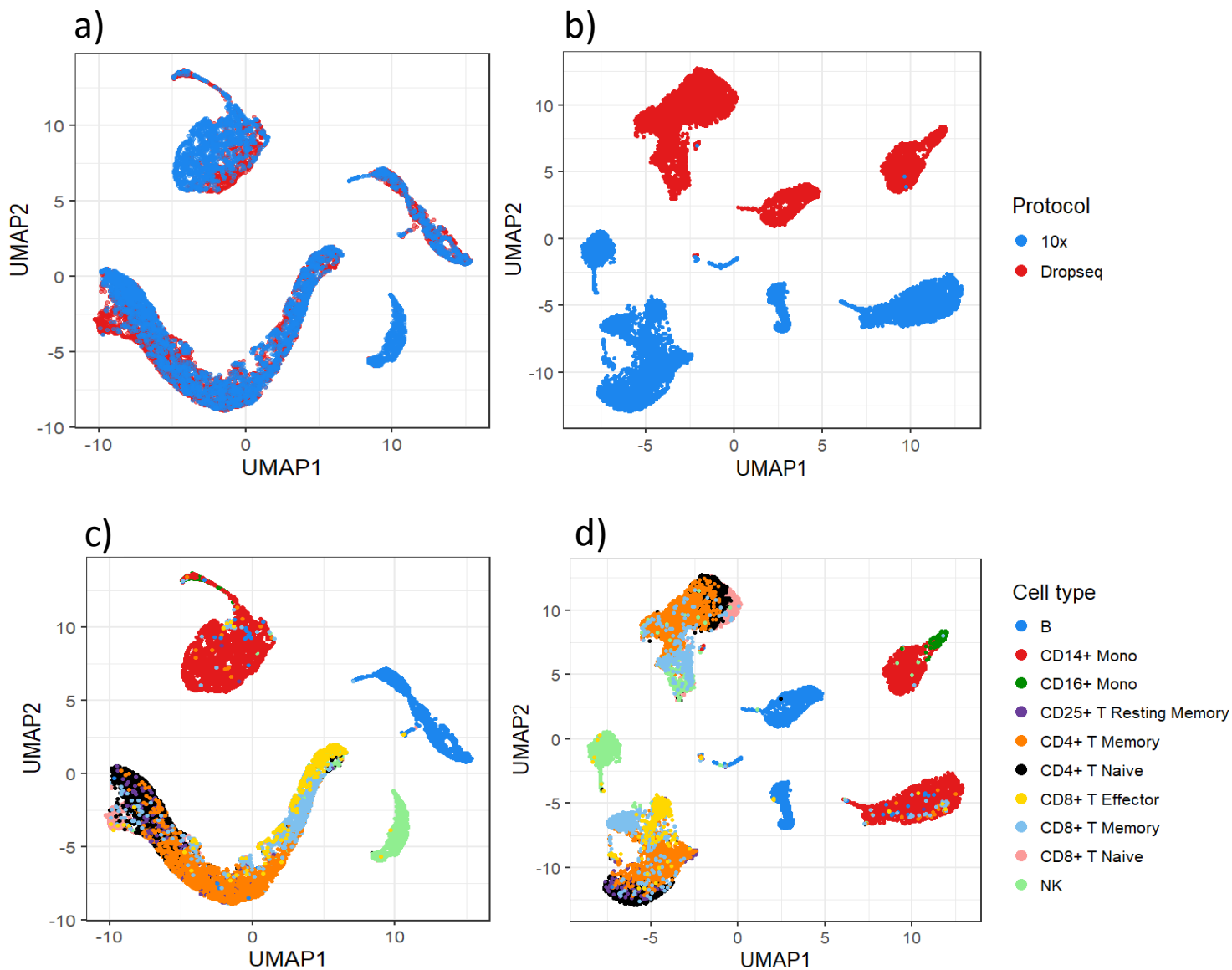
Supplementary Figure 8: GO enrichment for Molecular function terms represented as a) Go Plot, b) Dot Plot, c) Bar plot, generated for one of the clusters using the 10X PBMC data set.



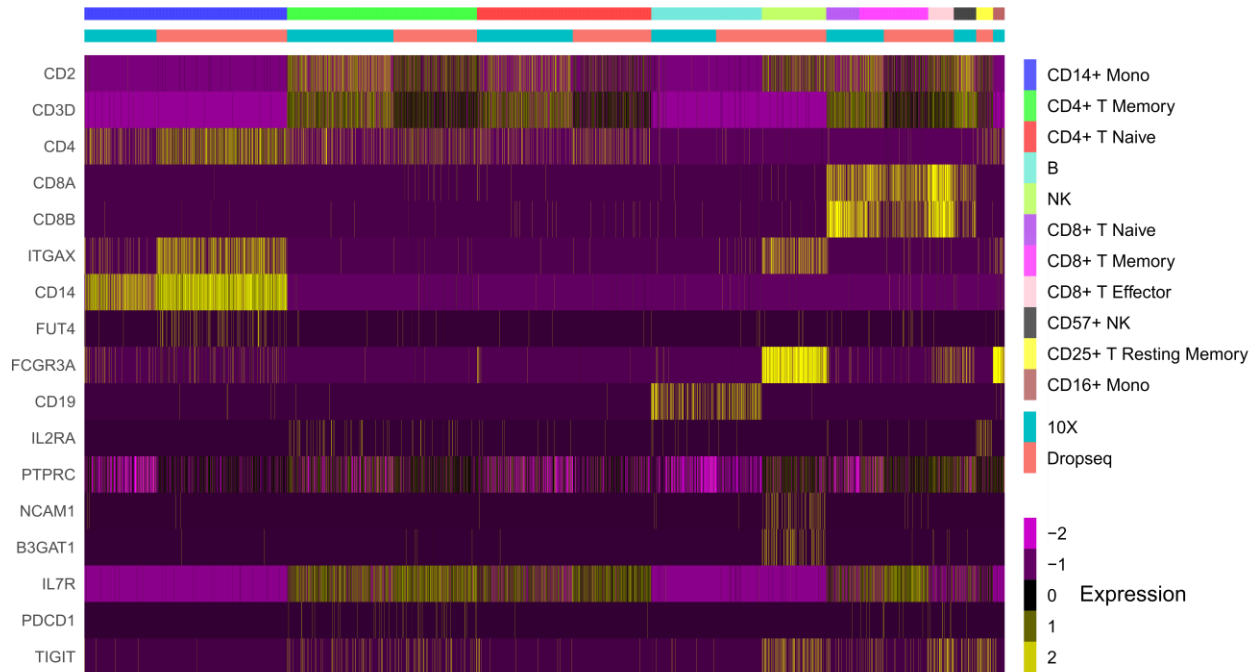
Supplementary Figure 9: Illustration of the concept of batch effects. Consider three data, two sets representing T cells (red and blue) and one set representing B cells (orange). In a three dimensional space measuring transcriptomic similarity to T cells (x-axis), B cells (y-axis) and to a Batch variable (z-axis), we find the T cell clusters to be separated by the Batch affect, while in 2D space comprised of only T cell and B cell similarity, they would be very similar to each other and show high similarity to T cells but not to B cells. In contrast to that, the B cell cluster's position stays almost constant neglecting the Batch column, with a high similarity o B cells and a negative score with respect to T cells.



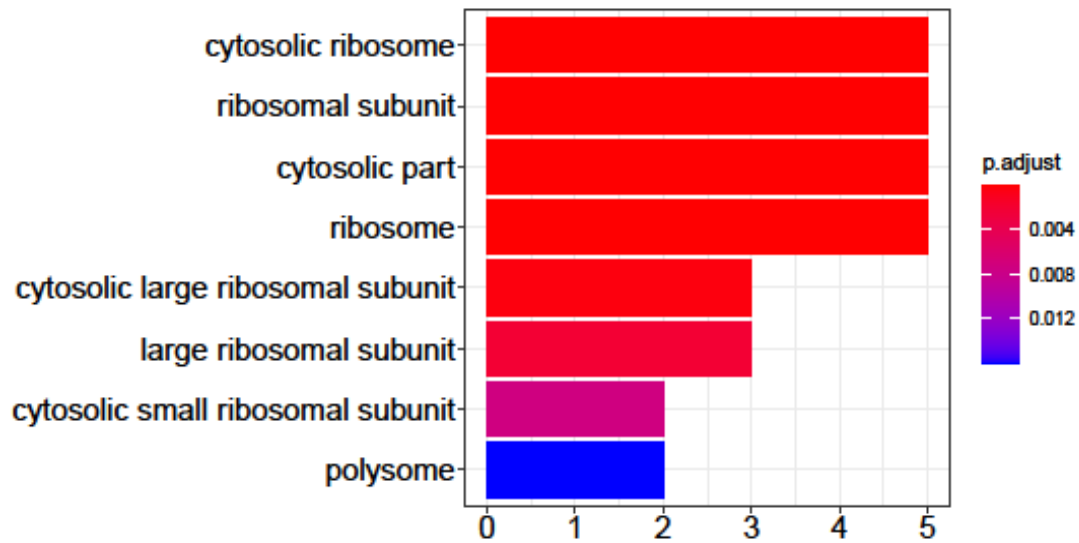
Supplementary Figure 10: Antibody-derived clustering of PBMCs. **a)** UMAP visualization of ADT-based clusters from the Drop-Seq dataset. **b)** Average antibody-expression of each cluster from the Drop-Seq dataset. **c)** UMAP visualization of ADT-based clusters from the 10x dataset. **d)** Average antibody-expression of each cluster from the 10x dataset.



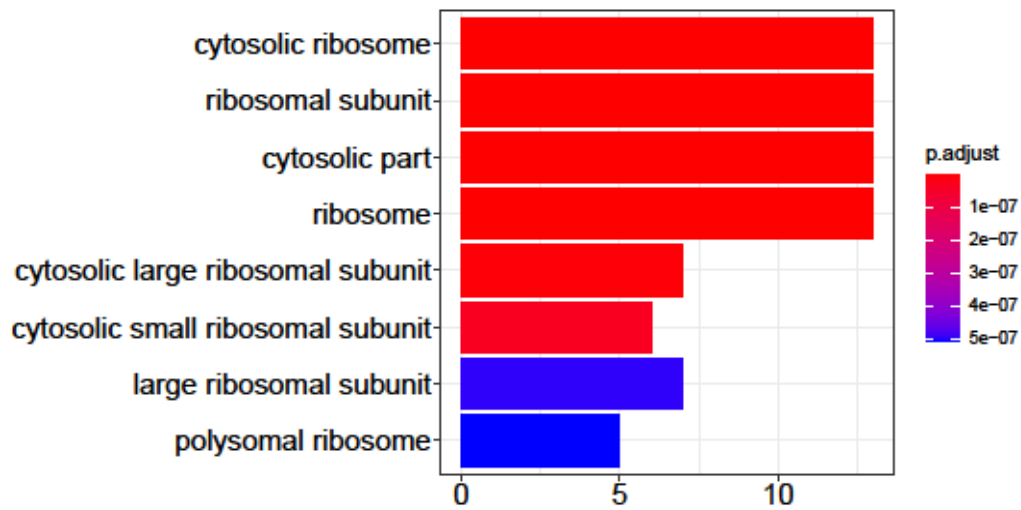
Supplementary Figure 11: **a)** UMAP of RCA reference projection of CITE-seq datasets colored by sequencing protocol. **b)** UMAP of a PCA embedding computed in Seurat using highly variable genes as features on CITE-seq datasets colored by sequencing protocol. **c)** UMAP of RCA reference projection of CITE-seq datasets colored by cell type. **d)** UMAP of a PCA embedding computed in Seurat using highly variable genes as features on CITE-seq datasets colored by cell type.



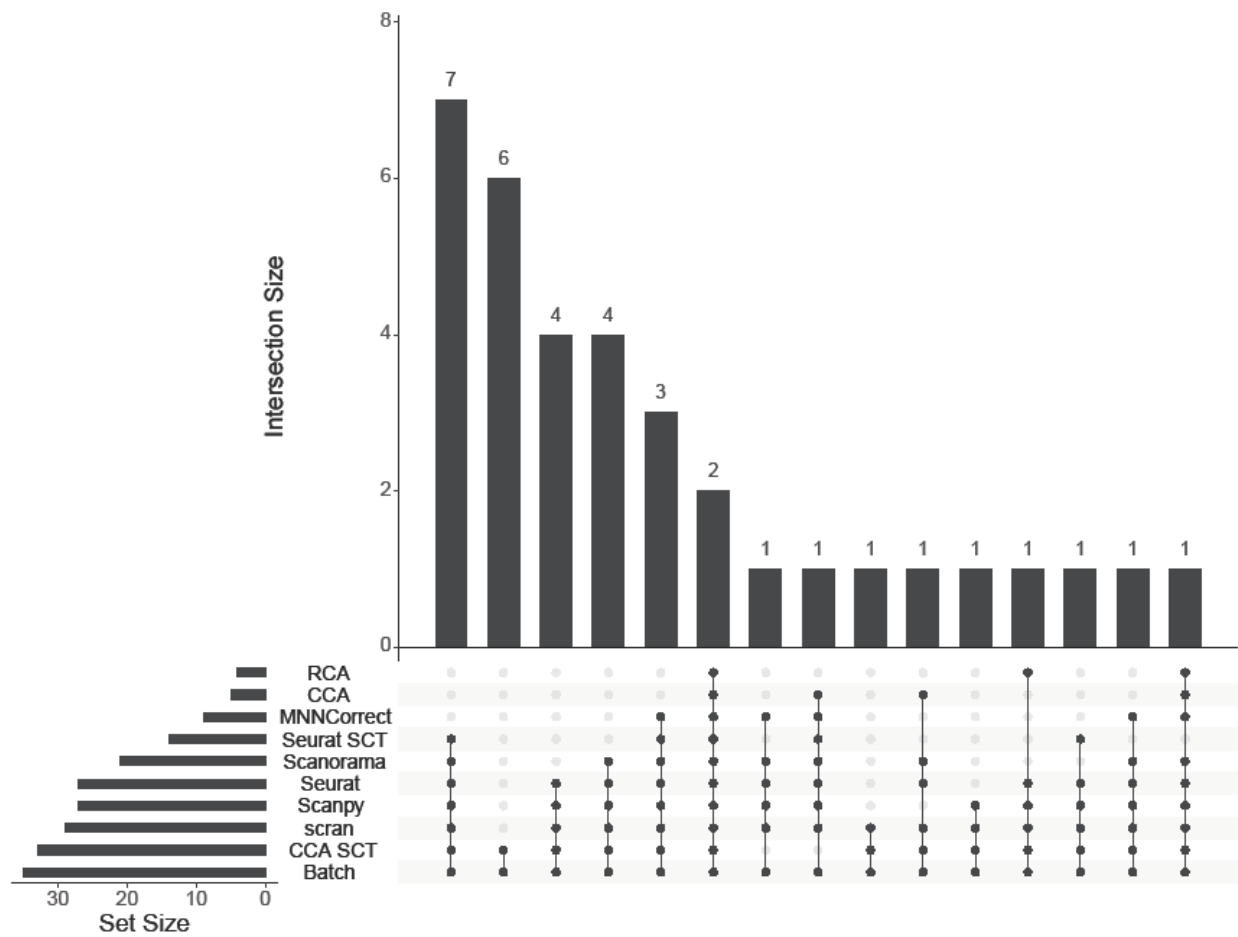
Supplementary Figure 12: Expression of genes captured with antibodies in the RNA-seq fraction of the Cite-seq PBMC data sets.



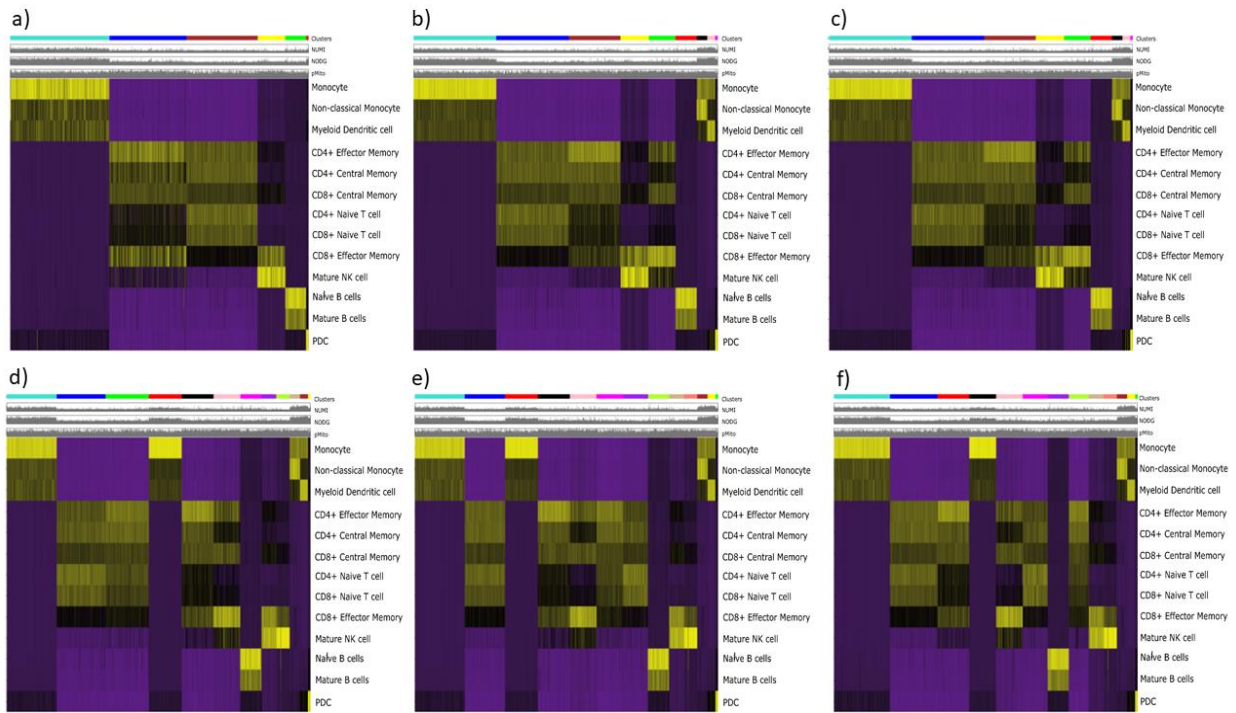
Supplementary Figure 13: GO enrichment (Cellular Compartment) for DE genes upregulated in the 10X CITE-seq PBMC data set.



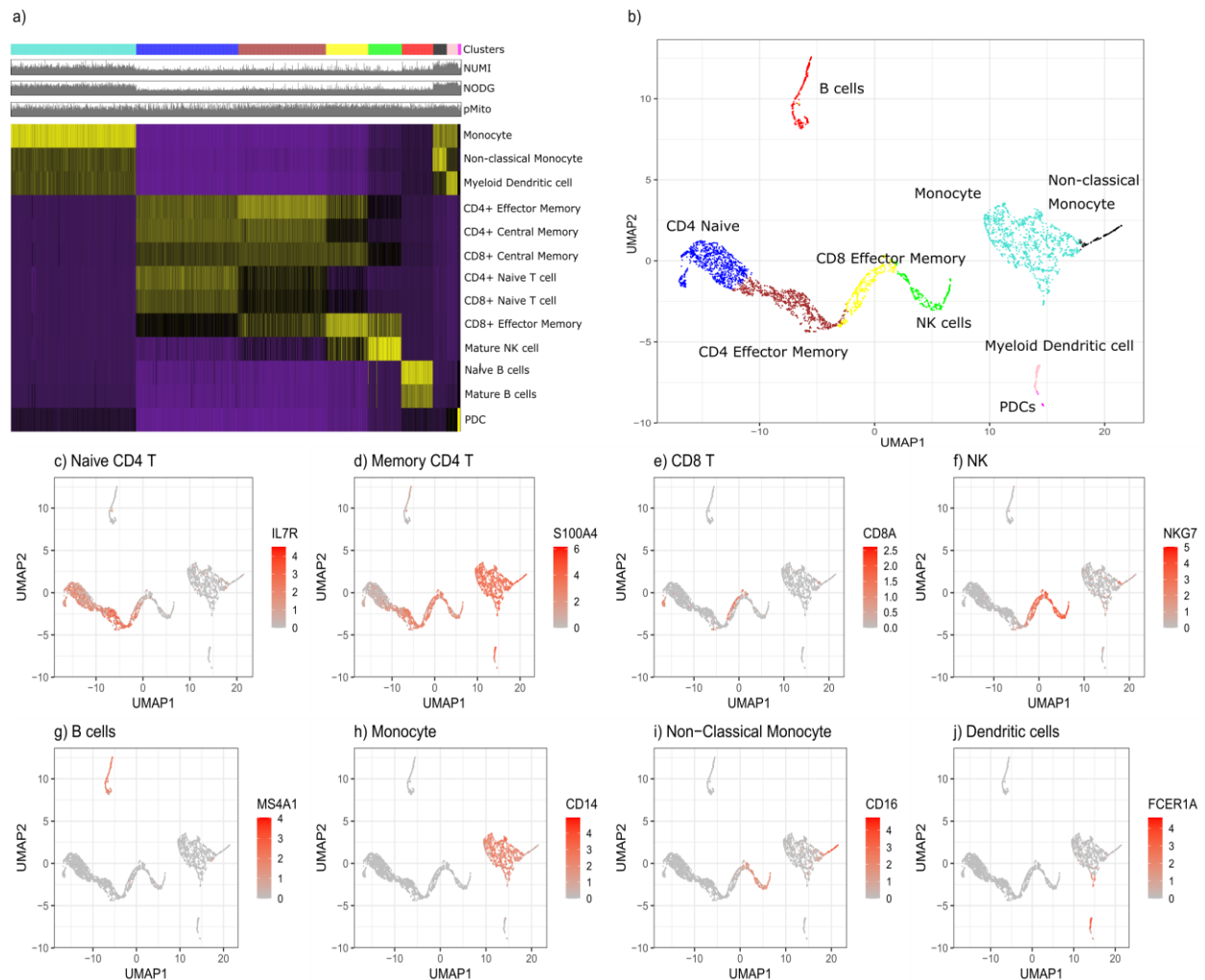
Supplementary Figure 14: GO enrichment (Cellular Compartment) for DE genes upregulated in the Dropseq PBMC data set.



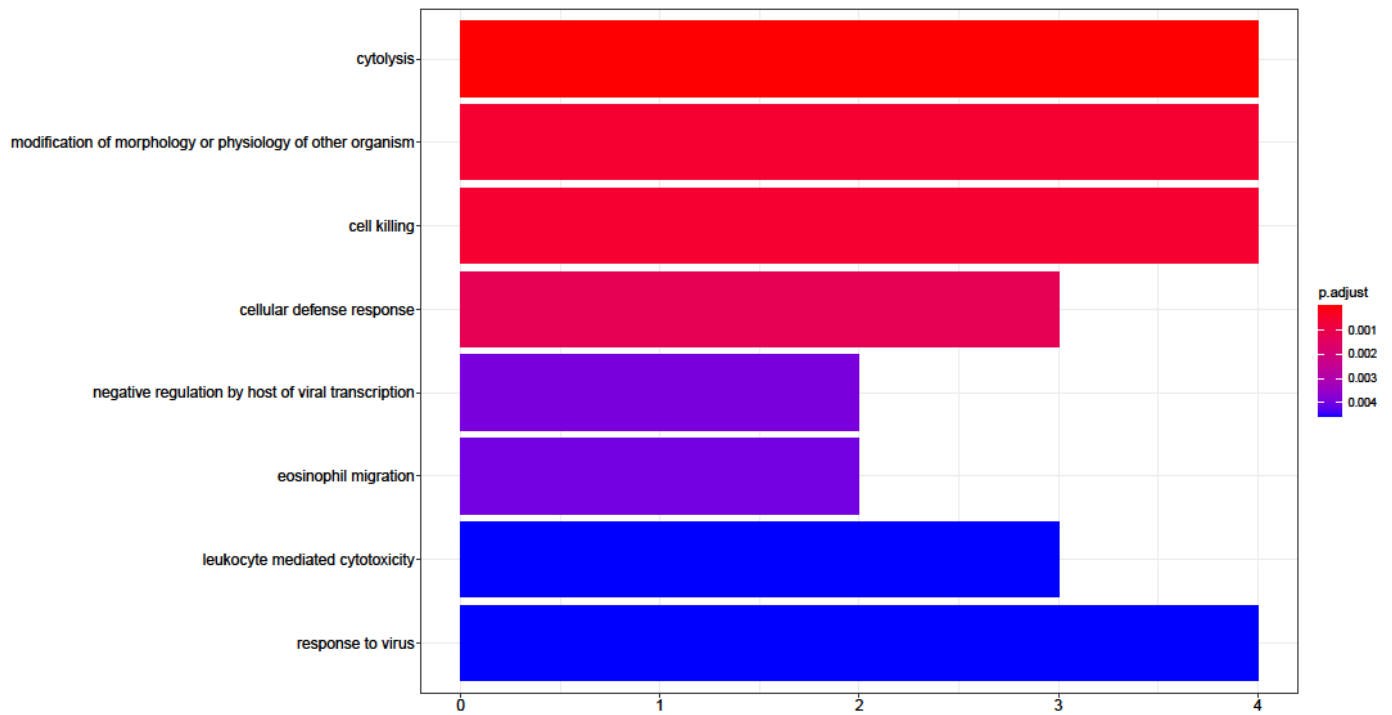
Supplementary Figure 15: UpSet plot showing the relationship between DE genes of scRNA-seq clusters and batch specific DE genes with respect to the used clustering method.



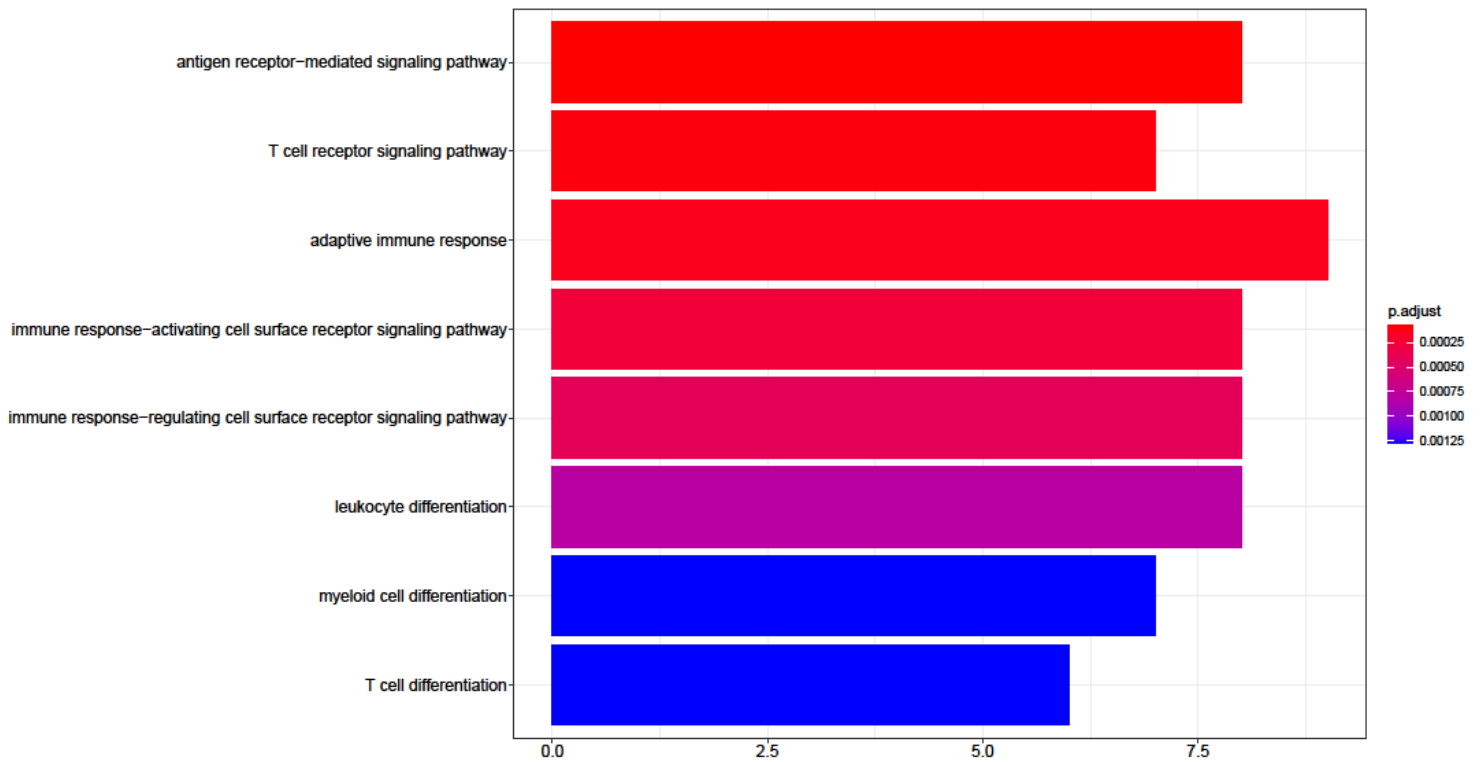
Supplementary Figure 16: Projection heatmaps with different resolutions for graph based clustering on a 10X PBMC data set.



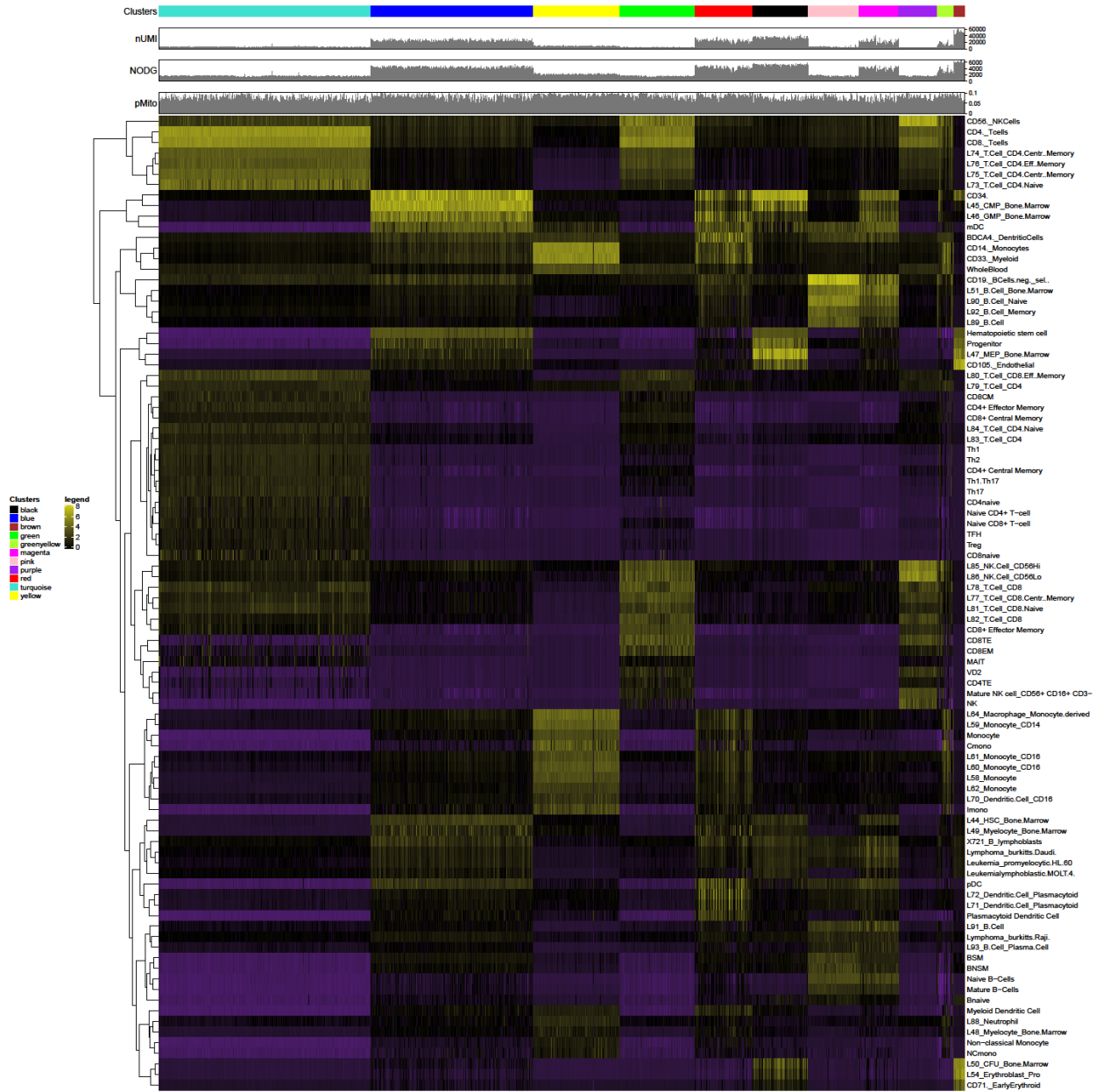
Supplementary Figure 17: a) Clusters obtained using graph based clustering on the reference projection of the 10X PBMC data set. **b)** Per cluster cell type prediction identifies CD4+ Naive T cells, CD4+ Memory cells, CD8+ Memory T cells, NK cells, B Cells, DC cells, as well as Classical and non-classical monocytes **c)-j)** Canonical marker genes for all cell types shown in b.



Supplementary Figure 18: Biological Process Terms computed for the NK cell cluster form the 10X PBMC data set.

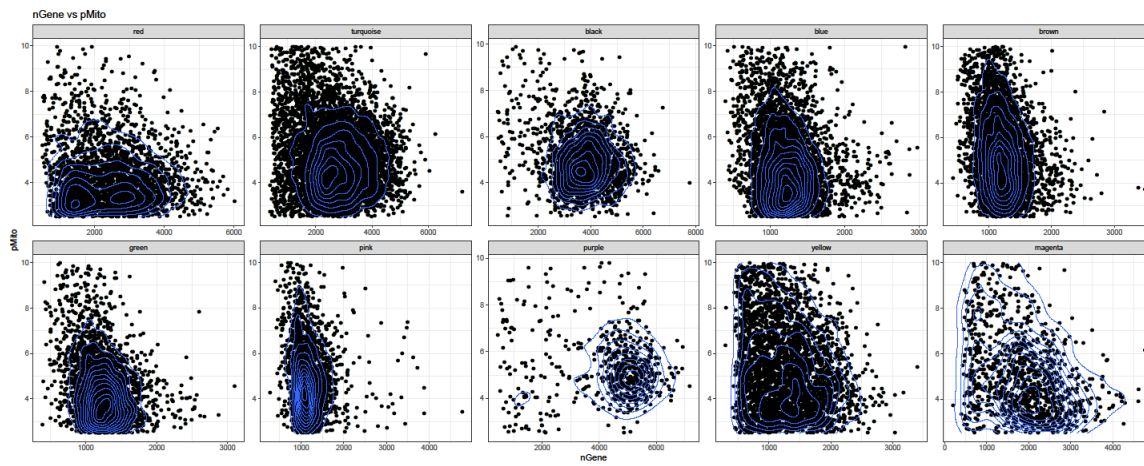


Supplementary Figure 19: Biological Process Terms computed for the T cell cluster form the 10X PBMC data set.

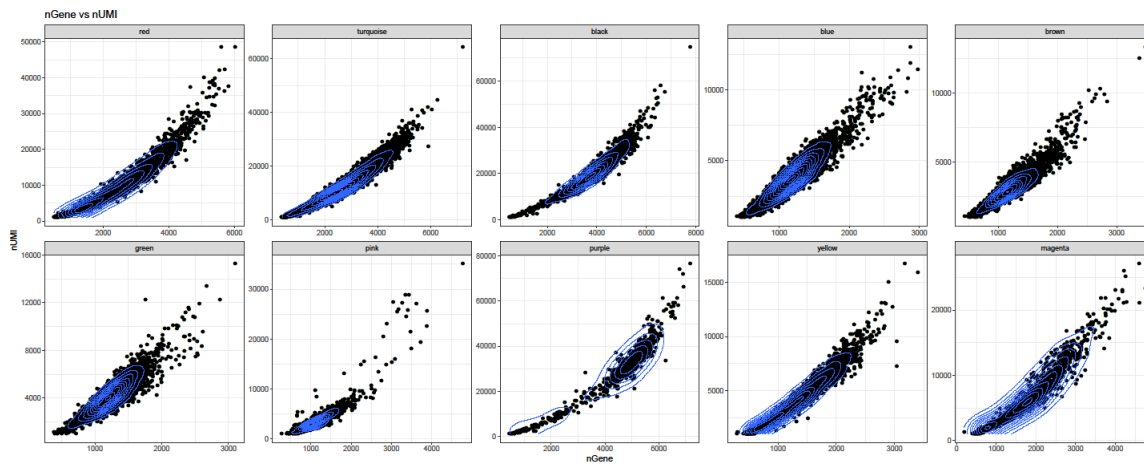


Supplementary Figure 20: Clustering of the RCA projection of the in-house bone marrow data set to obtain a classification into major cell types.

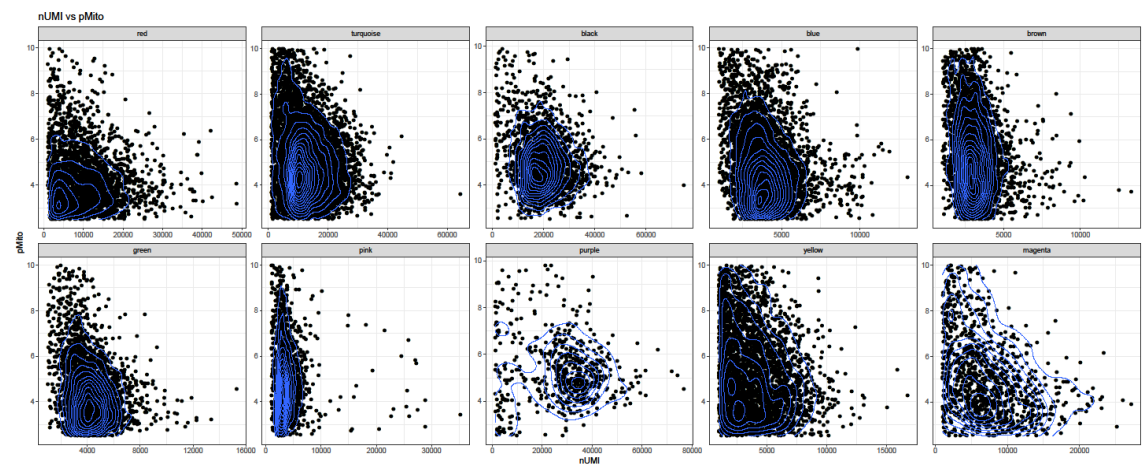
a)



b)

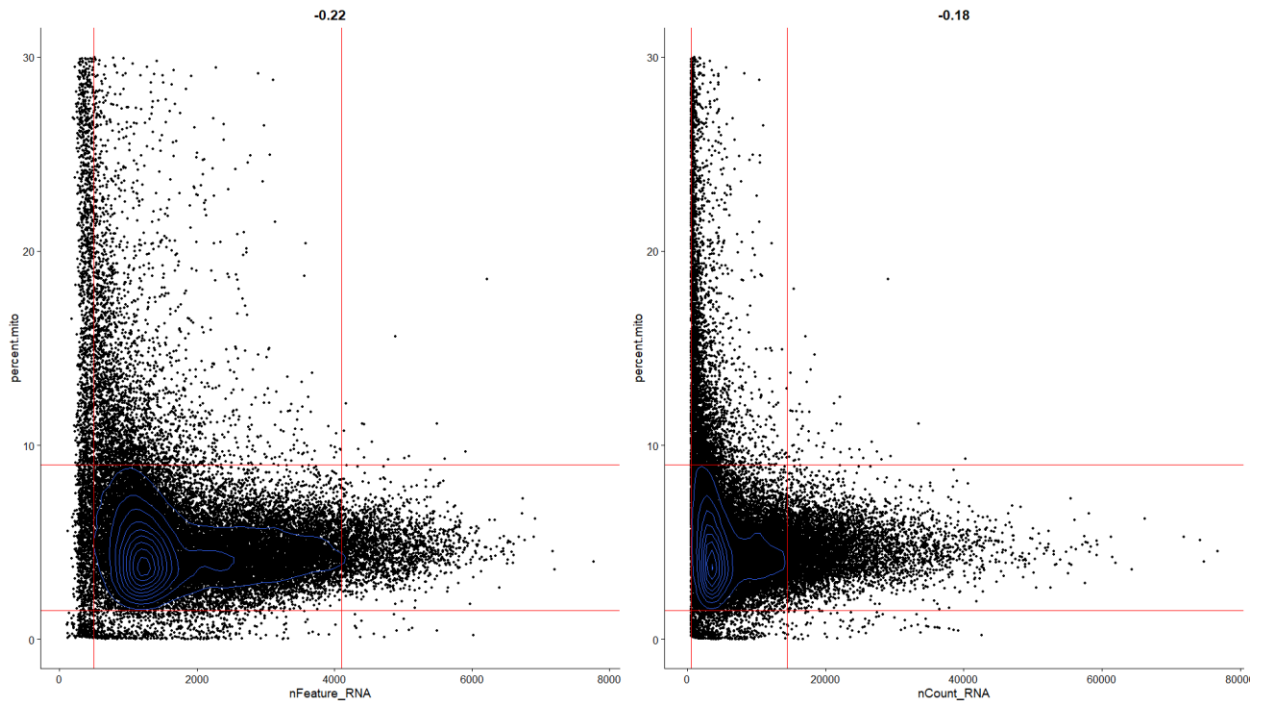


c)

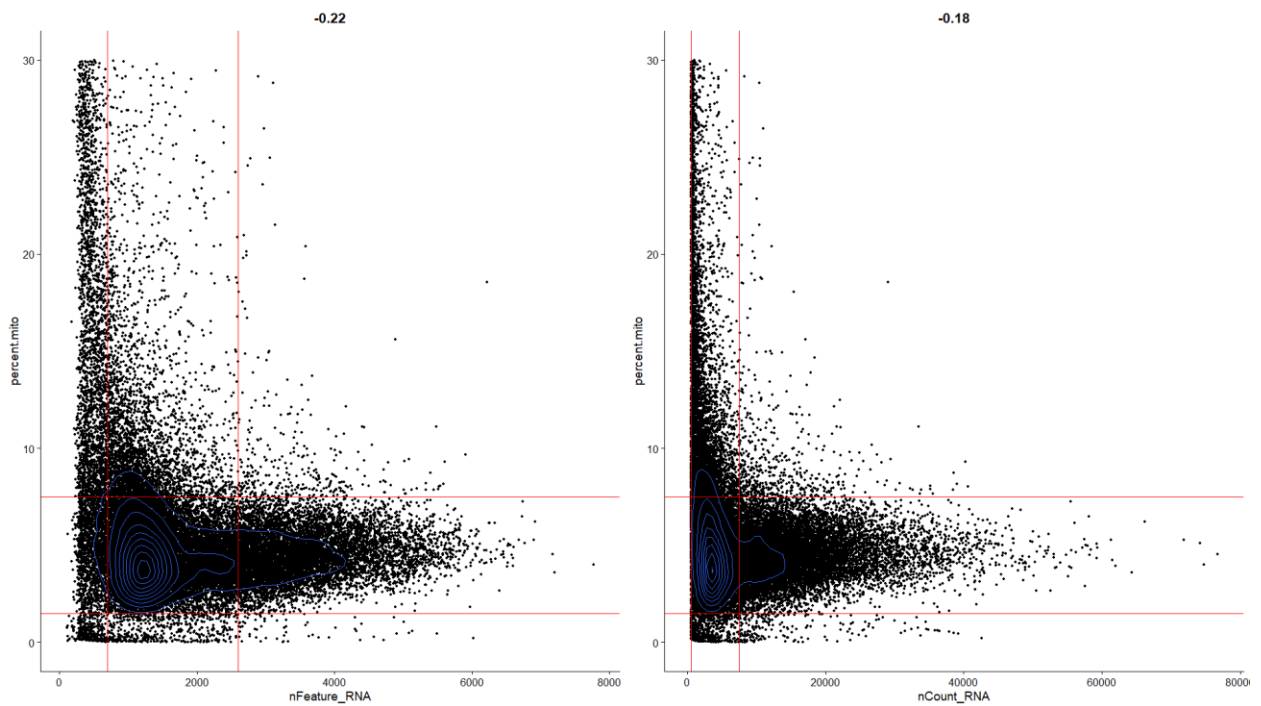


Supplementary Figure 21: Cluster specific QC plots for all major cell types identified in the bone marrow data set a) NODG vs pMITO, b) NODG vs nUMI, c) NUMI vs pMITO.

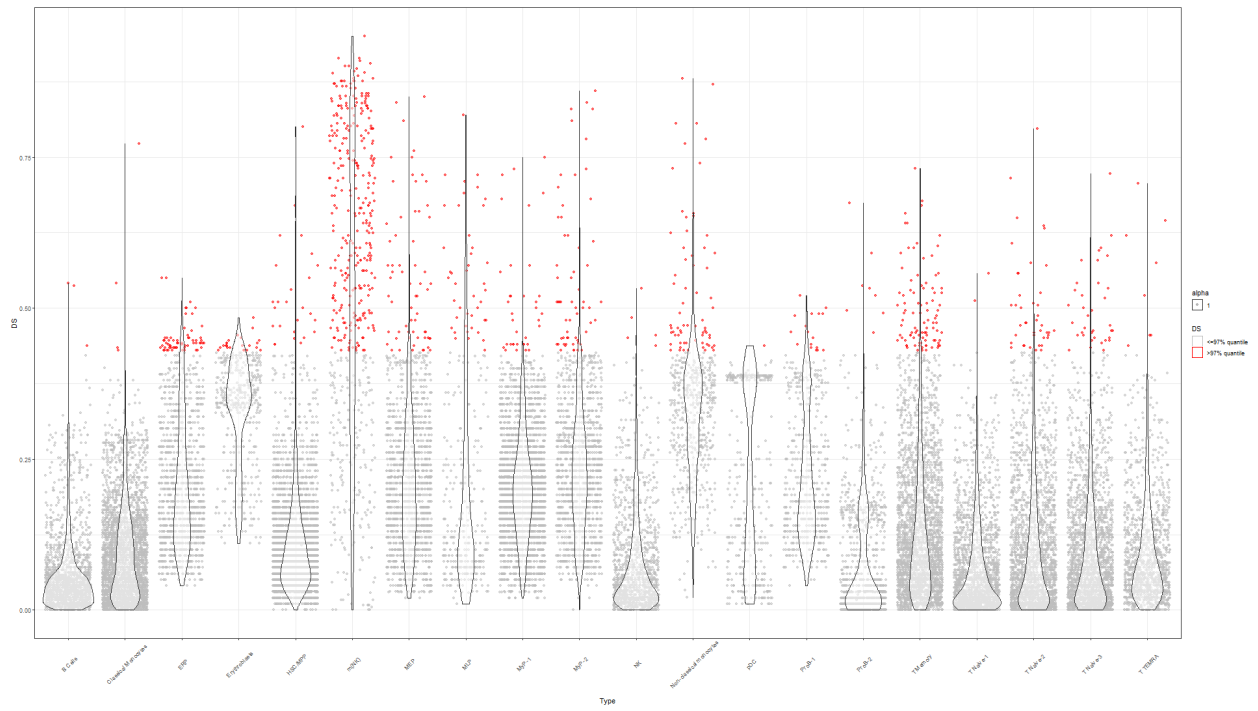
a)



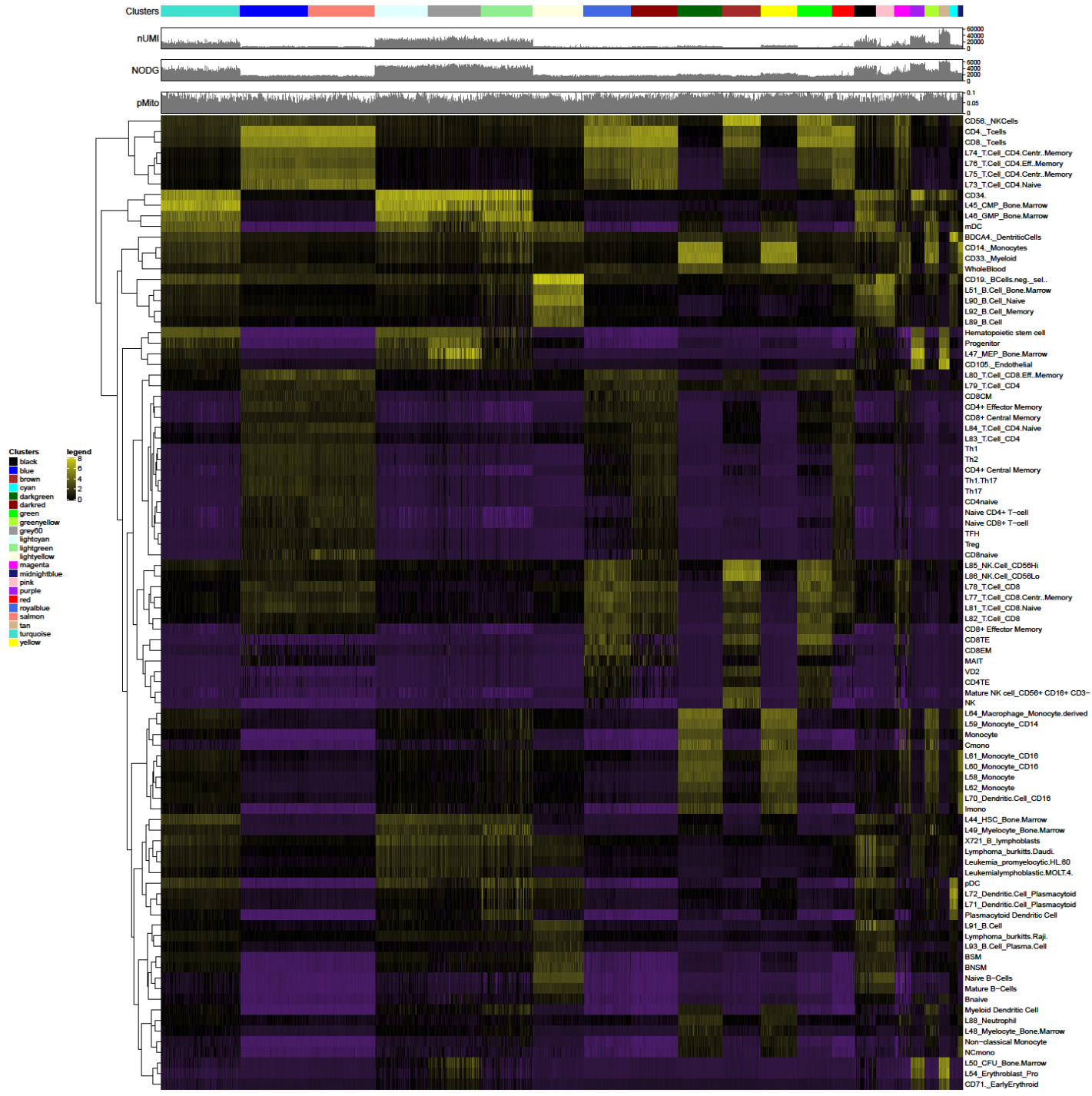
b)



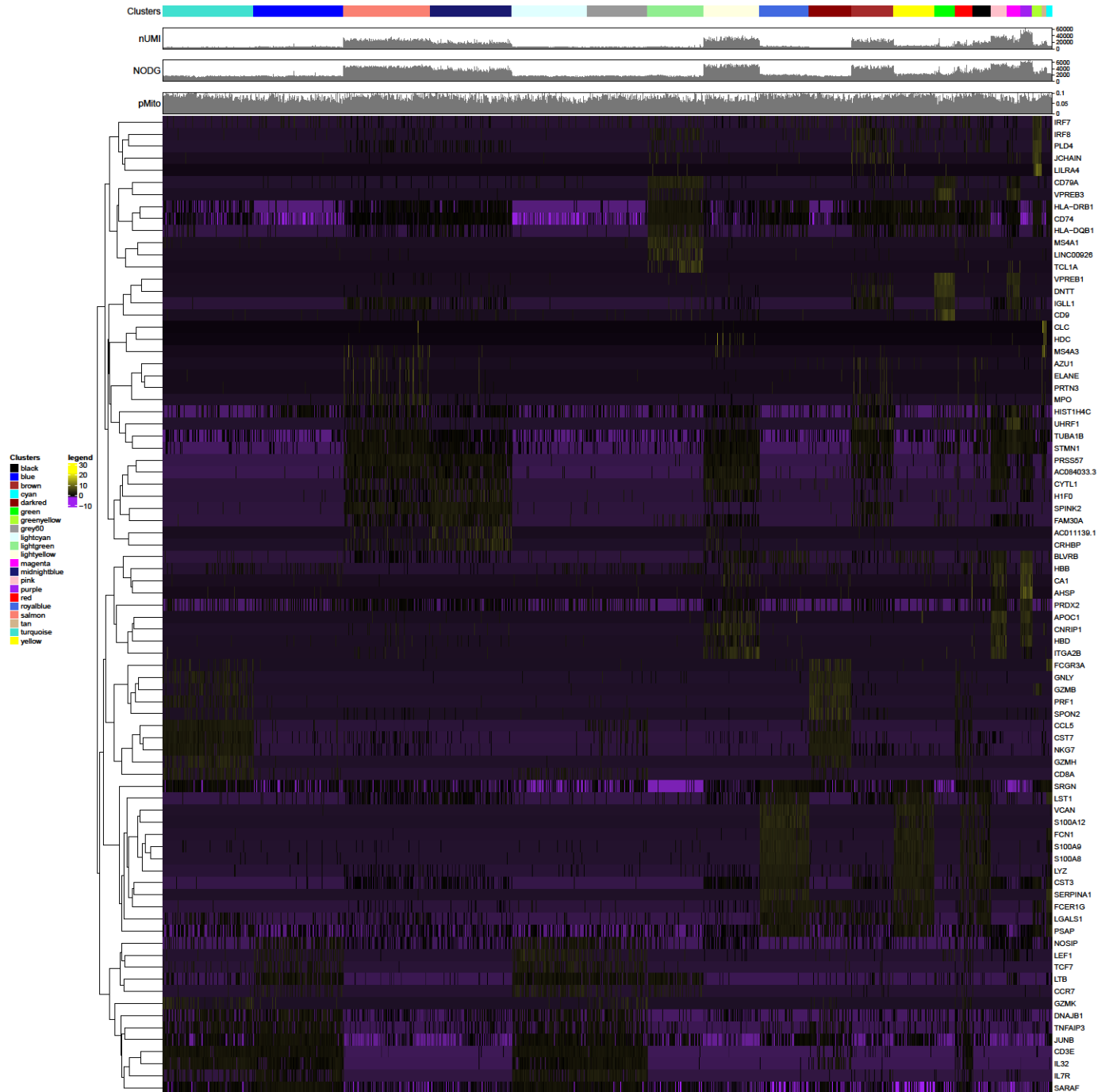
Supplementary Figure 22: Illustration of **a)** lenient and **b)** strict quality control cut-offs applied on the entire normal bone marrow data set.



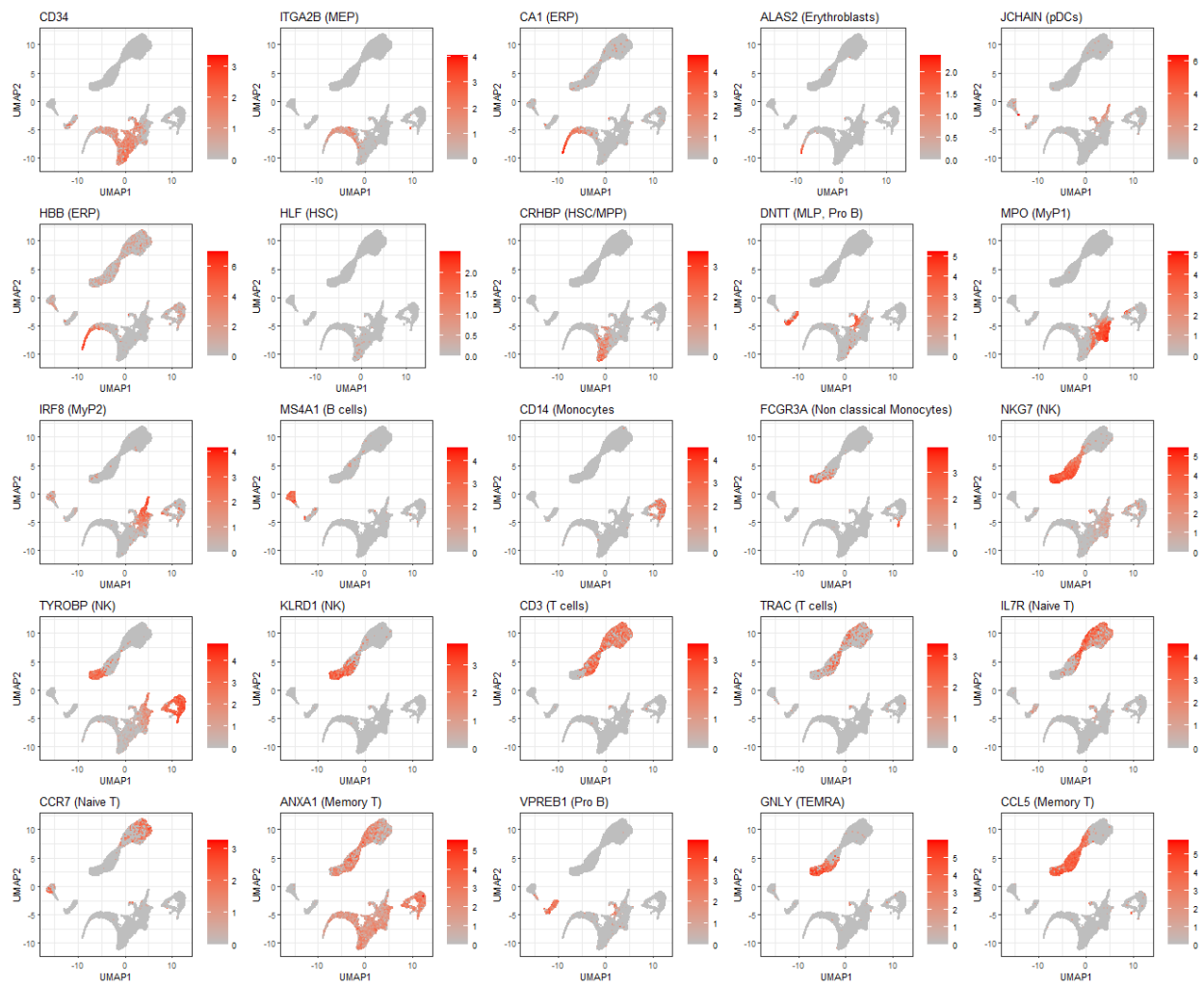
Supplementary Figure 23: Violin Plot depicting the PANN score of DoubletFinder individually for each cluster identified in the NBM data set. Cells with a PANN score ≥ 0.97 quantile of the scores distribution are termed doublets and shown in red.



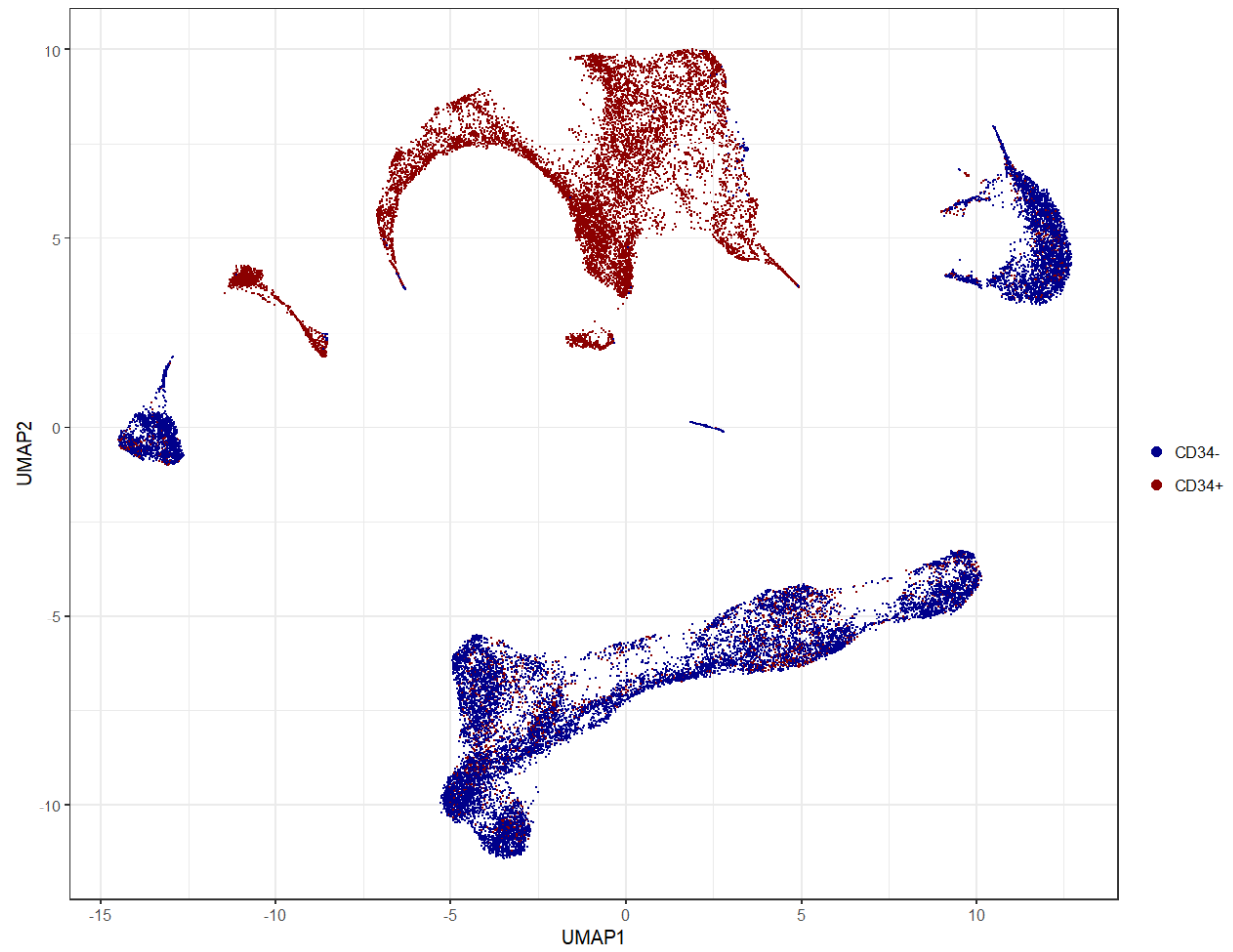
Supplementary Figure 24: Clustering of the RCA projection of the in-house bone marrow data set to obtain a classification into subtypes using a resolution of 0.5 for Seurat's graph based clustering.



Supplementary Figure 25: Heatmap visualizing scaled counts for differentially expressed genes computed in a 1 vs all manner for the clusters shown in Sup. Fig. 20 on the in-house bone marrow data set.

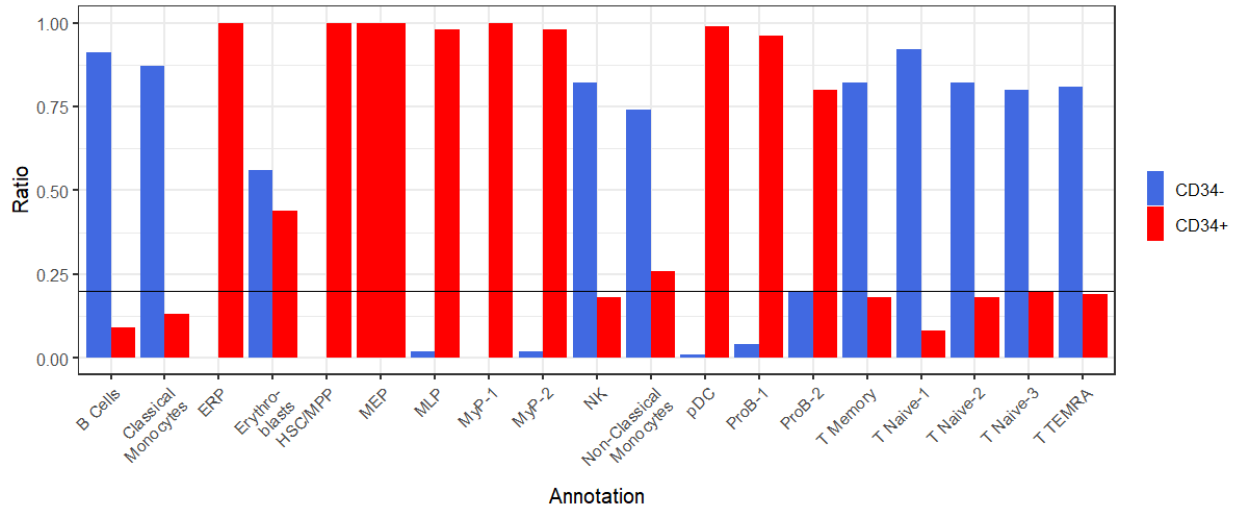


Supplementary Figure 26: Overview of the expression of 25 literature curated marker genes supporting the annotation of the normal bone marrow data set in shown in UMAP space.

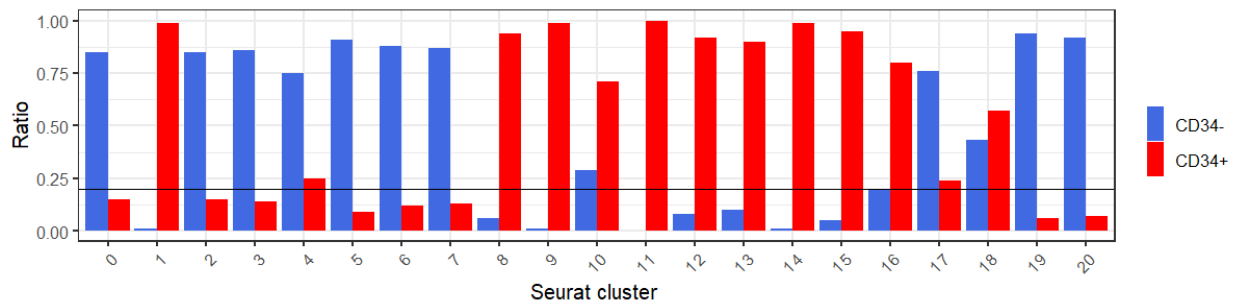


Supplementary Figure 27: UMAP visualization of a RCA2 reference projection of human bone marrow data colored by the FACS readout of each cell for the progenitor marker CD34.

a)

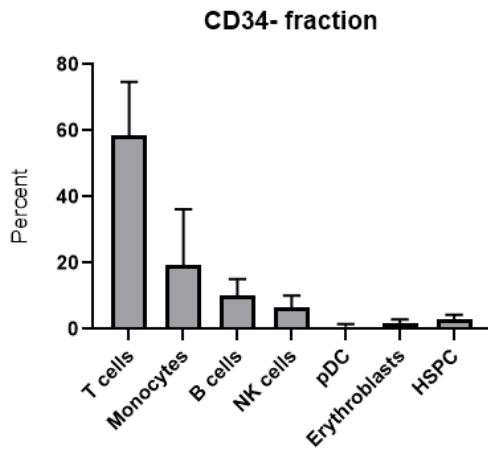


b)

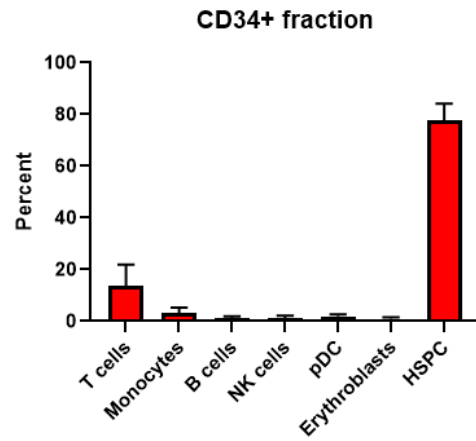


Supplementary Figure 28: Proportions of CD34 FACS labelled cells in clusters defined by scRNA-seq data of normal bone marrow samples using **a)** RCA2 and **b)** Seruat. In 10.05% of RCA clusters, the impurity is > 20%, compared to 19.05% of clusters in Seruat.

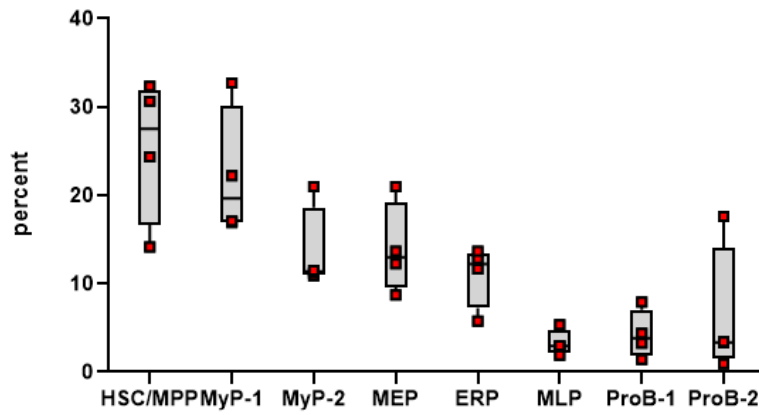
a)



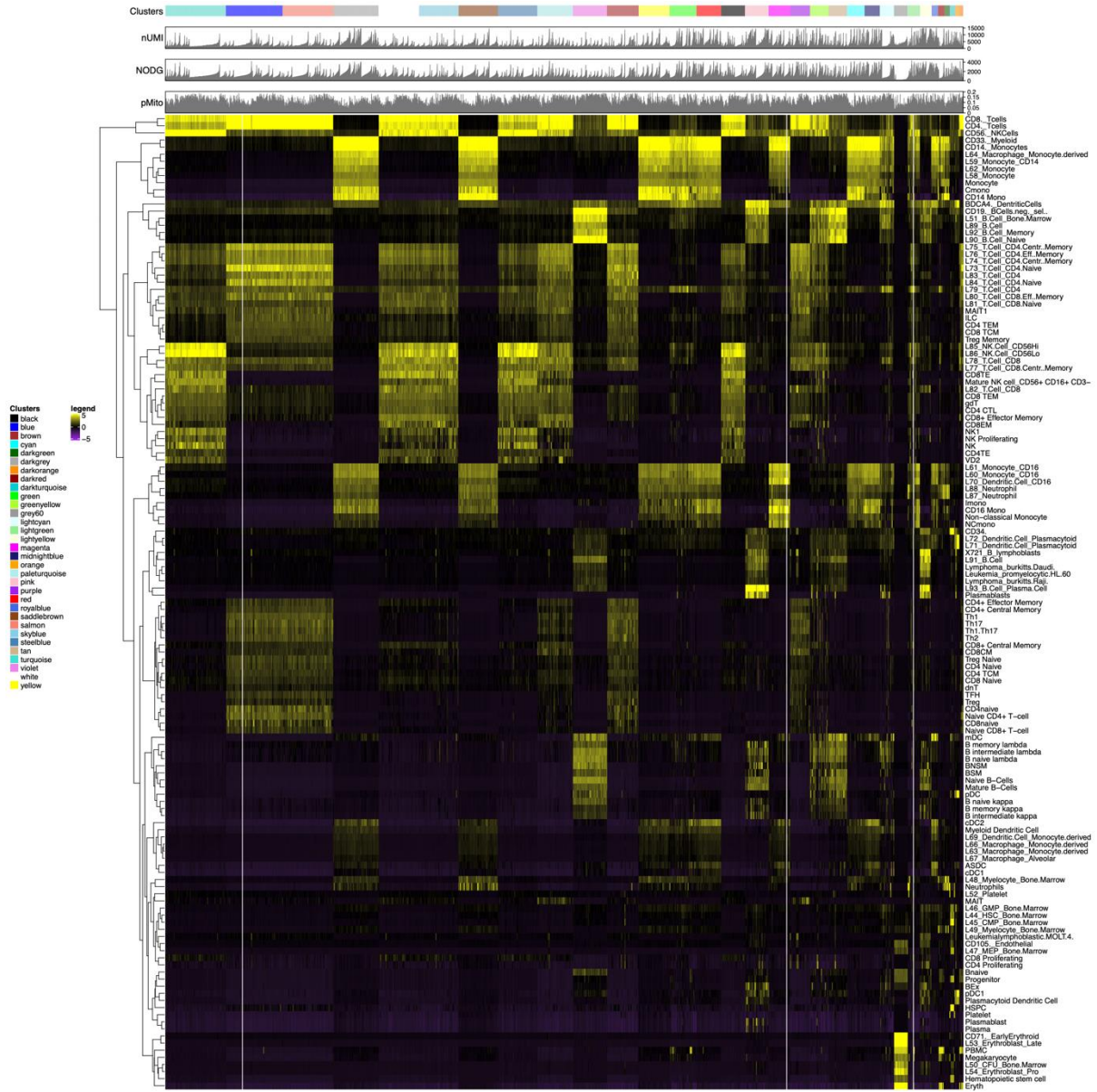
b)



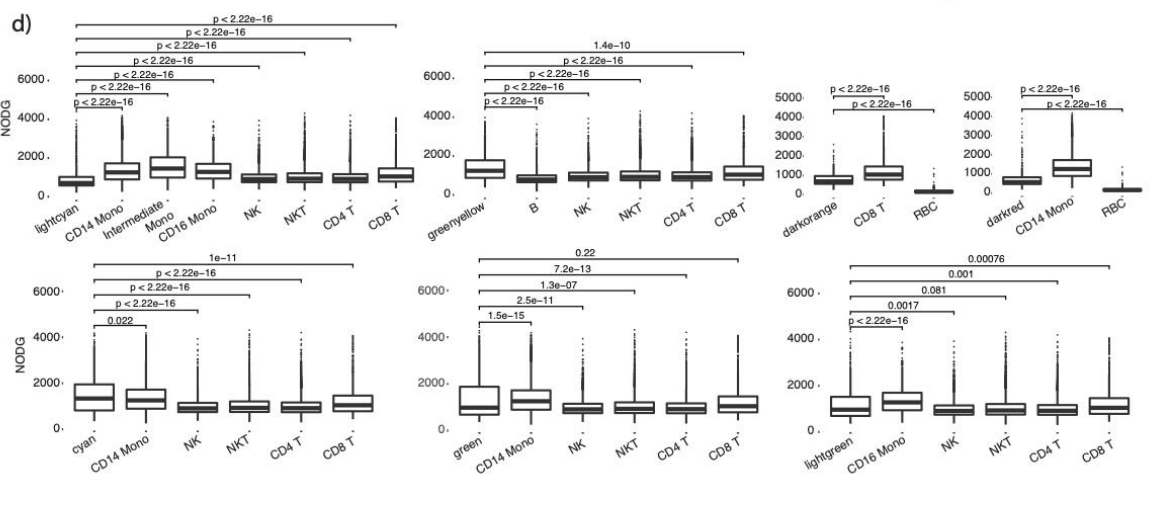
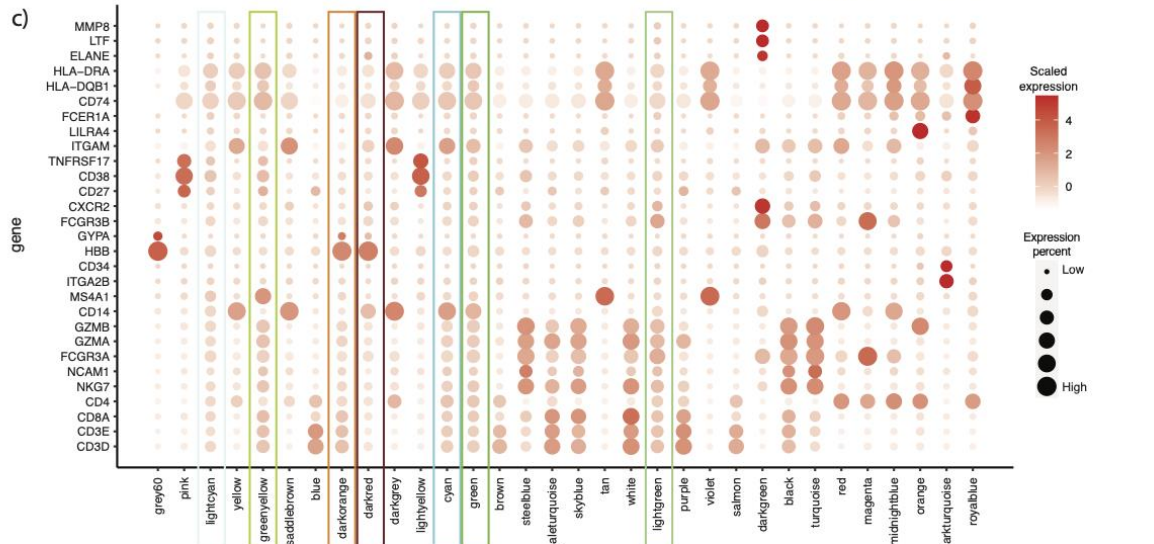
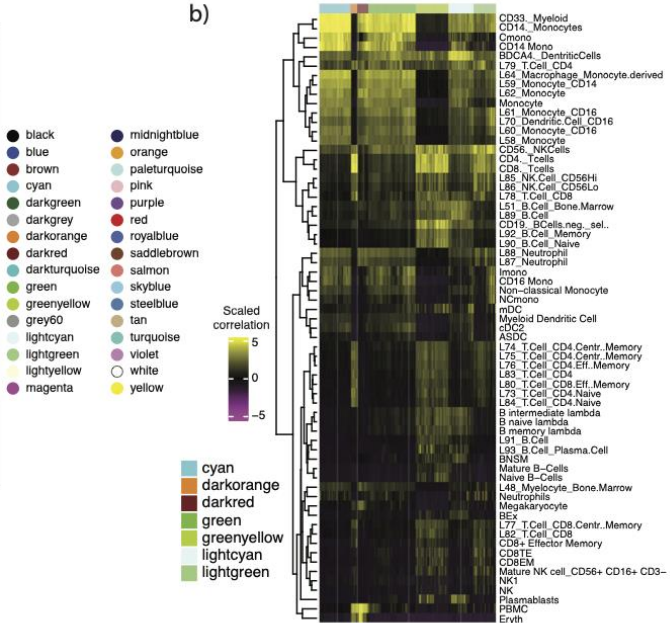
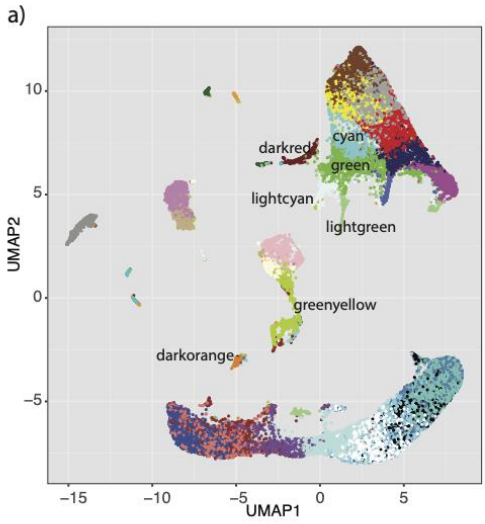
c)



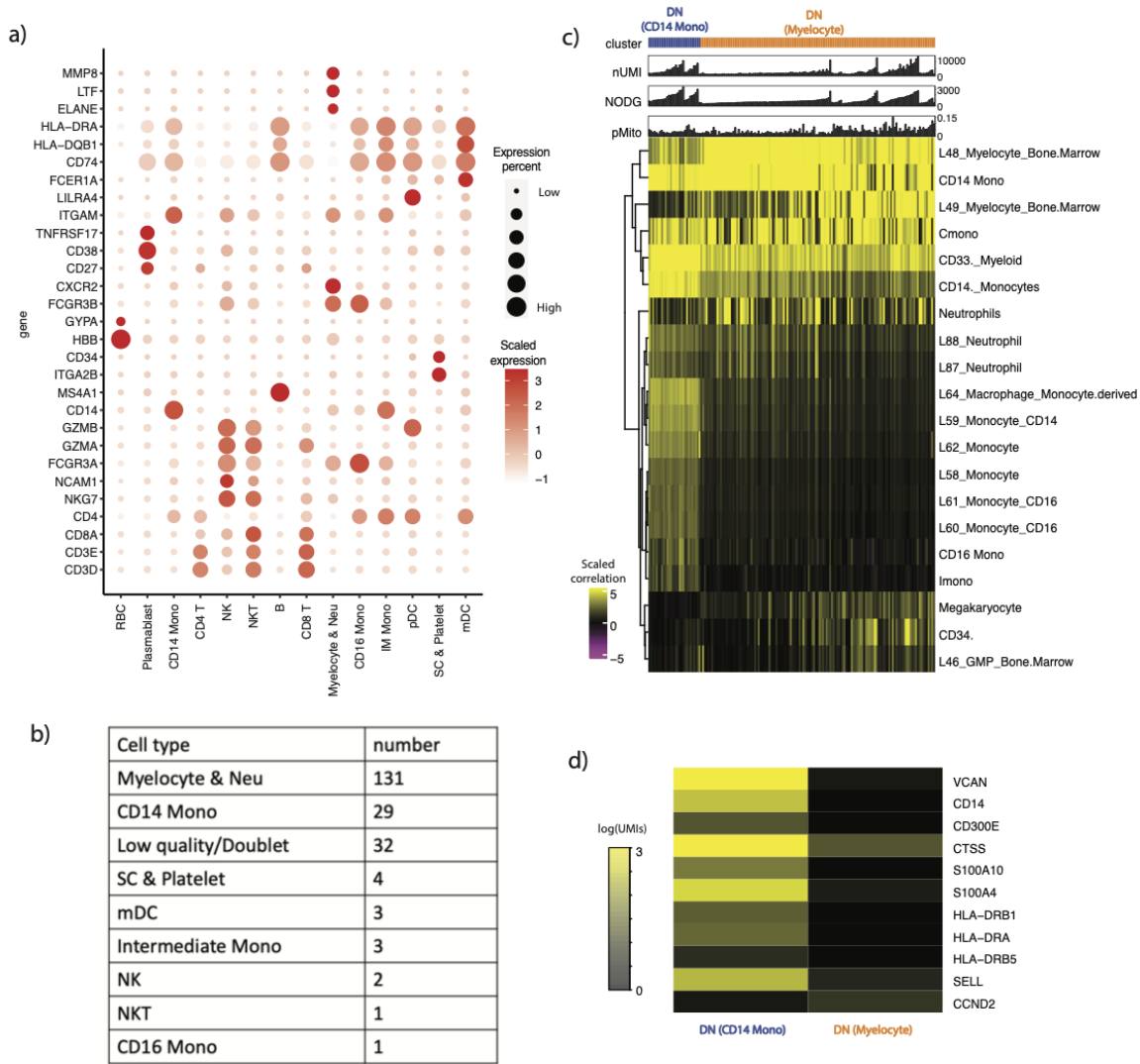
Supplementary Figure 29: Cluster frequency calculations for the **a)** CD34- fraction of cells, **b)** CD34+ fraction of cells and **c)** the CD34+ fraction cells depleted of differentiated clusters (according to transcriptome).



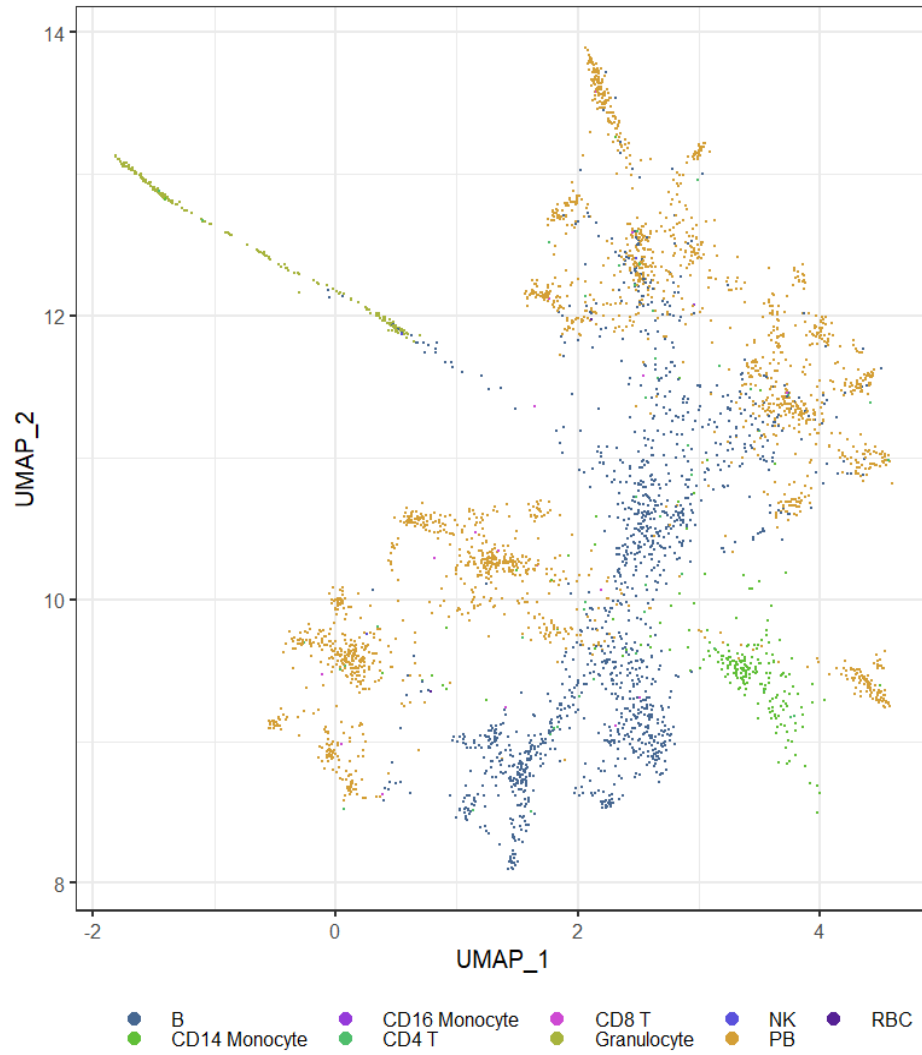
Supplementary Figure 30. Heatmap shows RCA reference projection profiles of 44,721 cells reported by Wilk et al. Each row represents a projection reference, while each column corresponds to a single cell.



Supplementary Figure 31. **a)** UMAP plot shows the RCA clustering of 44,72 cells reported by Wilk et al. **b)** Heatmap shows the RCA reference projection profiles of 7 clusters identified as debris like. Each row represents a projection reference, while each column corresponds to a single cell. **c)** Bubble plot illustrates the marker gene expression levels across the 32 identified clusters. The bubble size indicates expression percentage for each cell type, while color intensity implies scaled expression level. **d)** Boxplots show NODG across different clusters or cell types. The value between two boxes is p-value calculated using the Wilcoxon Rank Sum test.

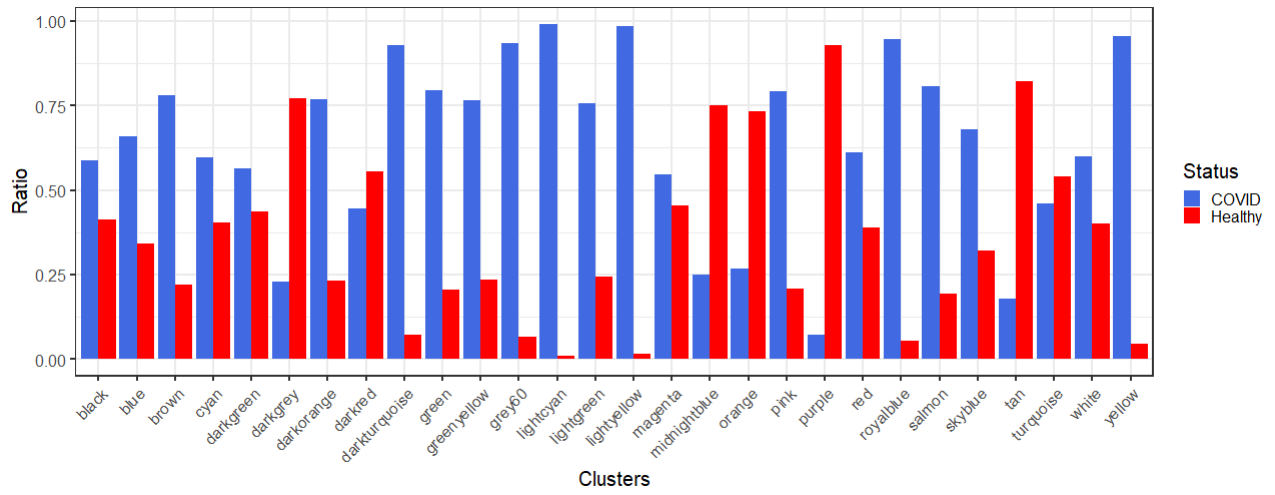


Supplementary Figure 32: a) Bubble plot shows the marker gene expression levels across all annotated cell types by RCA. The bubble size indicates expression percentage for each cell type, while color intensity represents scaled expression level. **b)** Table illustrates RCA annotations of “developing neutrophils” identified by Wilk et al. **c)** Heatmap shows the RCA reference projection profiles of 131 and 29 “developing neutrophils” annotated as myelocytes (orange) and CD14 monocytes (blue) by RCA respectively. Each row represents a projection reference, while each column corresponds to a single cell. **d)** Heatmap represents the DEGs identified between 131 and 29 “developing neutrophils” annotated as myelocytes (orange) and CD14 monocytes (blue) by RCA respectively.

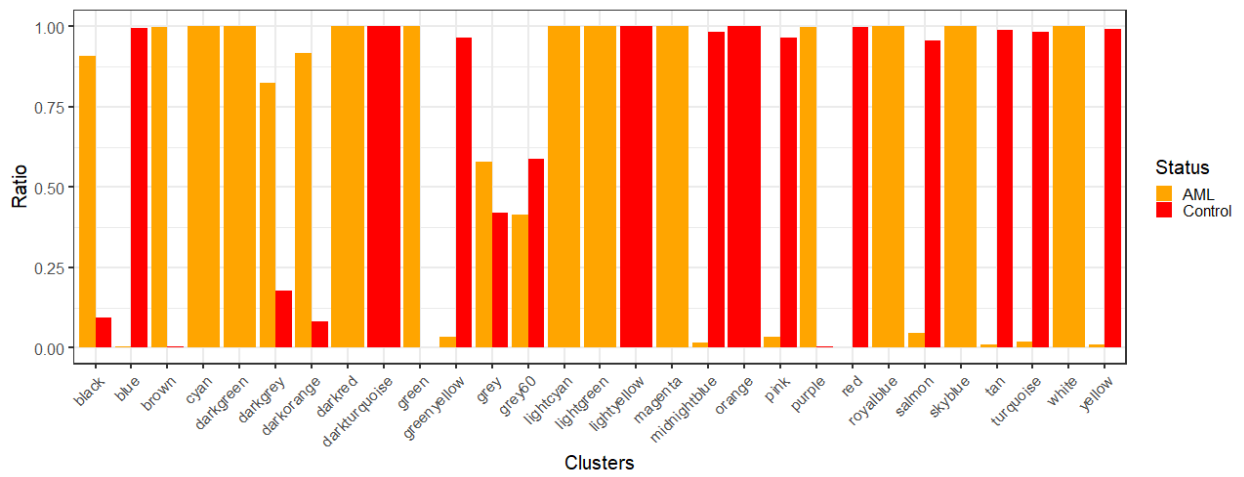


Supplementary Figure 33: Set of PBMCs from the COVID-19 dataset considered to elucidate the quality of cells bridging from blasmablasts to neutrophils using the original coarse annotation used by Blish et al.

a)



b)



Supplementary Figure 34: Ratio of cells within RCA2 clusters determined for **a)** Covid-19 disease specific clusters using data from Wilk et al. and for **b)** AML Clusters using data from Petti et al.

Dataset	NODG Lower	NODG Upper	NUMI Lower	NUMI Upper	pMito Lower	pMito Upper
PBMCs 10X	300	4500	100	∞	0.025	0.1
CITE-seq 10X (After Cellranger filtering)	200	∞	-	-	-	-
CITE-seq Drop-Seq (After Cellranger filtering)	200	∞	-	-	-	-
RA data set (as in paper)	1000	∞	-	-	0	0.25

Sup.Tab1: Quality control parameters for a 10X PBMC data set as well as for two CITE-seq and several Rheumatoid arthritis scRNA-seq data sets. NODG is the number of detected genes, NUMI is the number of unique molecular identifiers, pMito is the percentage of mitochondrial genes.

Dataset	NODG Lower	NODG Upper	NUMI Lower	NUMI Upper	pMito Lower	pMito Upper
General	NA	NA	1000	∞	0.025	0.1
red	500	5200	1000	∞	0.025	0.1
turquoise	1000	5000	1000	∞	0.025	0.1
black	2000	5500	1000	∞	0.025	0.1
blue	750	1800	1000	∞	0.025	0.1
brown	750	1750	1000	∞	0.025	0.1
green	800	1750	1000	∞	0.025	0.1
pink	800	2000	1000	∞	0.025	0.1
purple	3500	6500	1000	∞	0.025	0.1
yellow	500	2500	1000	∞	0.025	0.1
magenta	400	3750	1000	∞	0.025	0.1

Sup. Tab.2: Quality control parameters for the bone marrow data set. NODG is the number of detected genes, NUMI is the number of unique molecular identifiers, pMito is the percentage reads overlapping mitochondrial genes.

p_val	avg_logFC	pct.1	pct.2	p_val_adj	Gene
8.83E-149	2.76087855	0.81791045	0.00163399	2.19E-147	PTPRCAP
1.51E-148	2.70292509	0.81492537	0	2.19E-147	RPS4Y1
8.22E-148	-3.7102365	0.04776119	0.99673203	6.55E-147	RPS28
9.03E-148	-4.7730572	0.05074627	0.99673203	6.55E-147	EEF1A1
1.37E-147	-3.9709835	0.0358209	0.99509804	7.92E-147	RPS3A
1.61E-146	-3.9914604	0.09253731	0.99509804	7.79E-146	RPL41
2.27E-146	-3.912639	0.10149254	0.99509804	9.41E-146	RPL39
2.60E-146	-3.5784117	0.0358209	0.99019608	9.44E-146	RPS26
7.93E-146	-3.0633749	0.04179104	0.99019608	2.55E-145	RPL21
2.46E-145	-3.5434198	0.28656716	1	7.13E-145	RPL10
5.74E-142	-2.8568548	0.4238806	0.99509804	1.51E-141	RPS27
6.75E-142	-2.4048975	0.43283582	0.99509804	1.63E-141	RPL18A
7.89E-141	-2.6310264	0.00597015	0.96895425	1.76E-140	RPS10
2.39E-140	-2.0721405	0.6119403	0.99509804	4.95E-140	RPS27A
4.03E-139	-1.5683971	0.93731343	1	7.79E-139	MT-ATP6
3.06E-135	-2.3208831	0.01492537	0.95588235	5.55E-135	H3F3A
8.30E-134	-2.3201426	0.09552239	0.9869281	1.42E-133	JUND
1.43E-133	1.8352117	0.99701493	0.85457516	2.30E-133	RPL13A
1.18E-126	-2.1645287	0.01492537	0.91993464	1.80E-126	RPL7
2.30E-126	-1.8926456	0.25074627	0.98366013	3.33E-126	RPL22
5.46E-125	1.82357426	0.9761194	0.75980392	7.54E-125	RPL31
7.37E-124	2.26682795	0.93731343	0.43954248	9.72E-124	RPS20
1.65E-117	1.53695151	0.99104478	0.88235294	2.08E-117	RPL27A
5.19E-114	-1.7256419	0.22985075	0.97222222	6.27E-114	EEF1B2
1.24E-111	-1.7591346	0.13134328	0.94934641	1.43E-111	NPM1
9.36E-109	-1.7830268	0.08955224	0.91176471	1.04E-108	PPIA
2.58E-104	-1.6304162	0.08955224	0.91339869	2.77E-104	TMA7
1.17E-92	-1.5553256	0.02985075	0.79411765	1.21E-92	SUMO2
1.71E-73	1.76891989	0.61492537	0.11111111	1.71E-73	ALDOA

Sup. Tab. 3: DE genes identified for different CITE-seq batches within ADT derived clusters using a minimum log fold change of 1.5 and a q-value cut-off of 0.05.

p_val	avg_logFC	pct.1	pct.2	p_val_adj	group1	gene
0	1.985549	1	0.997423	0	brown	CD14
0	1.784014	1	0.218499	0	brown	FCN1
0	1.77773	1	0.53866	0	brown	CTSS
0	1.739737	1	0.406071	0	brown	LYZ
0	1.659181	0.982827	0.180985	0	brown	VCAN
0	1.641425	0.97358	0.15063	0	brown	CD14
0	1.585389	0.994716	0.216781	0	brown	MNDA
0	1.579942	1	0.422108	0	brown	PSAP
0	1.570105	0.836196	0.166667	0	brown	IL1B
0	1.567362	1	0.31701	0	brown	S100A9
0	1.514141	0.993395	0.254009	0	brown	FGL2
3.96E-300	1.635497	1	0.793814	8.25E-300	brown	NEAT1
1.53E-297	1.876263	1	0.997709	2.94E-297	brown	CD11b
6.66E-294	1.744686	1	0.92984	1.19E-293	brown	CD86
1.05E-144	-1.78428	0.380449	0.756014	1.75E-144	brown	LTB
9.44E-136	-1.74853	0.985469	0.990836	1.48E-135	brown	CD278
3.93E-124	-2.42807	0.998679	0.998282	5.78E-124	brown	CD3
5.08E-111	-2.50527	0.982827	0.9874	7.05E-111	brown	CD27
1.12E-103	-1.52405	1	0.997423	1.48E-103	brown	CD28
4.72E-79	-1.60163	0.974901	0.978522	5.90E-79	brown	CD127
6.27E-25	-1.57057	0.985469	0.930412	7.47E-25	brown	CD19
9.21E-18	-1.51976	0.159841	0.284078	1.05E-17	brown	NKG7
1.25E-07	-1.57728	0.993395	0.987973	1.35E-07	brown	CD8a
0.002099	-1.65726	0.996037	0.988832	0.002187	brown	CD20
5.92E-148	-2.6834	0.1133	0.61158	1.84E-146	turquoise	HLA-DRB1
1.45E-144	-2.32317	0.034483	0.543206	2.24E-143	turquoise	TYROBP
2.83E-140	-4.3644	0.997537	0.998254	2.93E-139	turquoise	CD11b
2.41E-136	-3.03101	0.118227	0.583649	1.87E-135	turquoise	HLA-DRA
8.97E-135	-2.34219	0.19335	0.641257	5.56E-134	turquoise	HLA-DPA1
4.69E-130	-2.18084	0.25	0.675007	2.42E-129	turquoise	HLA-DPB1
8.10E-127	-2.70223	0.998768	0.999418	3.59E-126	turquoise	HLA-DR
2.25E-120	-1.68951	0.03202	0.482688	8.72E-120	turquoise	FCER1G
6.35E-109	-2.3621	0.450739	0.719232	2.19E-108	turquoise	CD74
9.89E-107	-2.79853	0.04803	0.459703	3.07E-106	turquoise	CST3
4.18E-106	-2.00011	0.020936	0.43439	1.18E-105	turquoise	MNDA
2.68E-102	-1.52866	0.061576	0.462322	6.93E-102	turquoise	FGL2
2.14E-98	-2.30942	0.37931	0.677917	5.09E-98	turquoise	CTSS
3.85E-96	-2.03039	0.174877	0.536514	8.52E-96	turquoise	AIF1
9.50E-95	-2.49692	0.051724	0.430026	1.96E-94	turquoise	FCN1
1.71E-94	-1.94261	0.254926	0.588886	3.32E-94	turquoise	PSAP

7.61E-92	-4.12916	0.251232	0.573465	1.39E-91	turquoise	LYZ
6.26E-90	-2.98163	0.916256	0.948502	1.08E-89	turquoise	CD86
1.84E-87	-3.08595	0.059113	0.418388	3.01E-87	turquoise	S100A8
4.18E-86	-1.88255	0.934729	0.967413	6.48E-86	turquoise	FTL
3.59E-84	-1.88408	0.04064	0.390748	5.30E-84	turquoise	VCAN
3.86E-80	-3.8168	0.183498	0.498982	5.44E-80	turquoise	S100A9
9.65E-74	-1.62341	0.20936	0.5016	1.30E-73	turquoise	LST1
1.56E-68	-1.63704	0.04064	0.343905	2.01E-68	turquoise	IL1B
1.37E-66	-3.12355	0.998768	0.997672	1.70E-66	turquoise	CD14
1.16E-65	-1.67921	0.763547	0.846378	1.38E-65	turquoise	NEAT1
1.01E-50	-1.87966	0.061576	0.309281	1.16E-50	turquoise	NKG7
1.64E-22	-2.48891	0.921182	0.944719	1.82E-22	turquoise	CD19
3.15E-18	-2.4766	0.868227	0.898749	3.37E-18	turquoise	CD16
1.91E-14	-2.16742	0.992611	0.989526	1.97E-14	turquoise	CD20
5.34E-13	-1.58249	0.950739	0.954903	5.34E-13	turquoise	CD56
0	1.930266	0.739857	0.044909	0	yellow	GZMK
1.83E-276	1.644729	0.966587	0.193734	2.48E-275	yellow	CCL5
1.79E-60	-2.05909	0.093079	0.508355	1.61E-59	yellow	AIF1
6.84E-59	-2.07747	0.078759	0.486162	4.62E-58	yellow	TYROBP
5.26E-56	-1.57703	0.033413	0.436292	2.84E-55	yellow	FCER1G
1.71E-46	-2.41262	0.042959	0.392167	7.69E-46	yellow	FCN1
2.08E-46	-1.8802	0.040573	0.389817	8.02E-46	yellow	MNDA
6.43E-45	-2.66194	0.078759	0.414099	2.17E-44	yellow	CST3
6.90E-44	-2.58075	0.231504	0.523499	2.07E-43	yellow	HLA-DRA
7.93E-42	-2.97874	0.057279	0.381723	2.14E-41	yellow	S100A8
2.08E-41	-1.80871	0.033413	0.355614	5.10E-41	yellow	VCAN
2.27E-40	-3.97364	0.260143	0.539426	5.12E-40	yellow	LYZ
4.97E-40	-2.3104	0.885442	0.948564	1.03E-39	yellow	CD86
2.50E-38	-1.56822	0.188544	0.47389	4.82E-38	yellow	LST1
1.35E-36	-3.71205	0.193317	0.465535	2.42E-36	yellow	S100A9
4.68E-35	-1.77506	0.319809	0.54752	7.91E-35	yellow	PSAP
6.90E-34	-1.5507	0.033413	0.313577	1.10E-33	yellow	IL1B
5.15E-33	-2.07619	0.460621	0.638381	7.73E-33	yellow	CTSS
1.24E-31	-3.03568	1	0.99765	1.76E-31	yellow	CD14
5.80E-26	-1.77117	0.997613	0.999478	7.83E-26	yellow	HLA-DR
3.76E-24	-1.95667	0.386635	0.530548	4.84E-24	yellow	HLA-DRB1
3.11E-23	-3.39639	0.997613	0.998172	3.82E-23	yellow	CD11b
3.57E-23	-1.64707	0.983294	0.958747	4.19E-23	yellow	FTL
1.29E-20	2.010093	0.997613	0.98799	1.46E-20	yellow	CD8a
2.14E-14	-1.75334	0.501193	0.561619	2.31E-14	yellow	HLA-DPA1
9.74E-12	-1.68811	0.696897	0.664752	1.01E-11	yellow	CD74

0.000342	-1.6838	0.911695	0.943342	0.000342	yellow	CD19
1.61E-262	1.711689	0.950249	0.197037	1.93E-261	green	S100A12
5.89E-250	2.131024	0.987562	0.283078	3.54E-249	green	S100A8
1.81E-209	2.013389	0.987562	0.381336	7.25E-209	green	S100A9
6.05E-145	1.516113	1	0.99792	1.81E-144	green	CD11b
1.42E-83	-1.70248	0.293532	0.730439	3.42E-83	green	LTB
1.76E-71	-1.96722	0.997512	0.99844	3.53E-71	green	CD3
3.76E-68	-1.50134	0.997512	0.99792	6.44E-68	green	CD28
3.15E-51	-1.67579	0.977612	0.987523	4.72E-51	green	CD27
2.12E-50	-1.82824	0.995025	0.9987	2.82E-50	green	CD45RA
0.000691	-2.14912	0.893035	0.892904	0.000829	green	CD16
0.012005	-2.15515	0.977612	0.936314	0.013096	green	CD19
0.039519	-2.0175	0.985075	0.990642	0.039519	green	CD20
1.32E-208	-2.20758	0.534943	0.869151	5.03E-207	blue	S100A4
1.04E-179	-2.67706	0.266836	0.759099	1.98E-178	blue	CD74
9.83E-173	-2.8908	0.044473	0.623628	1.25E-171	blue	HLA-DRB1
1.35E-163	-1.77761	0.317662	0.762854	1.28E-162	blue	S100A11
1.56E-157	-1.82191	0.07751	0.616407	1.18E-156	blue	LGALS1
2.82E-152	-2.33835	0.199492	0.68342	1.78E-151	blue	HLA-DPB1
9.39E-150	-2.42698	0.148666	0.64818	5.10E-149	blue	HLA-DPA1
5.60E-149	-3.12847	0.998729	0.999422	2.66E-148	blue	HLA-DR
1.76E-148	-4.45134	0.996188	0.998556	7.45E-148	blue	CD11b
2.86E-141	-3.071	0.092757	0.586077	1.09E-140	blue	HLA-DRA
2.96E-135	-2.31606	0.045743	0.536973	1.02E-134	blue	TYROBP
3.74E-132	-2.16892	0.64803	0.872039	1.19E-131	blue	NEAT1
1.87E-119	-2.40023	0.317662	0.689775	5.48E-119	blue	CTSS
2.99E-117	-1.68108	0.027954	0.480358	8.11E-117	blue	FCER1G
3.99E-115	-1.52496	0.827192	0.896303	1.01E-114	blue	S100A6
8.10E-113	-1.5542	0.11817	0.545927	1.92E-112	blue	TYMP
5.01E-106	-1.53817	0.041931	0.463894	1.12E-105	blue	FGL2
9.59E-106	-1.67676	0.43202	0.728769	2.02E-105	blue	COTL1
1.05E-99	-2.78479	0.055909	0.454939	2.10E-99	blue	CST3
1.38E-98	-1.9416	0.232529	0.591566	2.61E-98	blue	PSAP
2.13E-97	-1.97941	0.033037	0.428654	3.85E-97	blue	MNDA
5.72E-93	-2.49252	0.047014	0.428365	9.88E-93	blue	FCN1
1.49E-86	-1.6788	0.162643	0.51011	2.47E-86	blue	LST1
2.85E-86	-3.84409	0.15756	0.5026	4.51E-86	blue	S100A9
3.56E-85	-3.07475	0.905972	0.950607	5.41E-85	blue	CD86
7.56E-85	-1.89812	0.031766	0.390237	1.11E-84	blue	VCAN
1.41E-82	-4.06033	0.263024	0.568458	1.99E-82	blue	LYZ
2.19E-81	-3.0727	0.067344	0.413923	2.97E-81	blue	S100A8

2.27E-78	-1.84182	0.942821	0.965338	2.97E-78	blue	FTL
3.87E-71	-1.75908	0.013977	0.328134	4.91E-71	blue	CCL5
2.24E-66	-1.62925	0.03939	0.341999	2.75E-66	blue	IL1B
4.31E-66	-3.10616	0.994917	0.998556	5.12E-66	blue	CD14
2.74E-63	-1.93401	0.025413	0.315713	3.16E-63	blue	NKG7
4.42E-29	-2.52722	0.92249	0.944252	4.93E-29	blue	CD19
2.31E-24	-1.66569	0.426938	0.476603	2.51E-24	blue	AIF1
4.41E-16	-2.17129	0.992376	0.989601	4.65E-16	blue	CD20
8.05E-16	-1.64187	0.942821	0.956672	8.27E-16	blue	CD56
1.66E-11	-2.44895	0.869123	0.898325	1.66E-11	blue	CD16
2.72E-150	1.850246	0.32	0.01309	2.18E-149	pink	C1QA
5.24E-111	1.804748	0.52	0.074339	2.09E-110	pink	CDKN1C
1.40E-94	2.24548	0.63	0.142257	3.72E-94	pink	FCGR3A
2.70E-59	1.616076	0.675	0.251914	5.40E-59	pink	MS4A7
6.89E-40	1.764348	0.695	0.43344	1.10E-39	pink	LST1
5.48E-37	1.534315	0.705	0.455668	7.30E-37	pink	AIF1
2.41E-33	1.523902	1	0.999259	2.75E-33	pink	HLA-DR
0	3.056948	0.875969	0.034466	0	purple	FCER1A
0	1.520257	0.635659	0.01068	0	purple	ENHO
2.12E-276	2.633534	0.844961	0.048544	2.12E-275	purple	CLEC10A
1.11E-265	2.131767	0.782946	0.042476	8.30E-265	purple	CD1C
3.84E-149	3.181494	0.852713	0.117233	2.30E-148	purple	HLA-DQA1
2.44E-110	2.862092	0.945736	0.24733	1.22E-109	purple	HLA-DQB1
9.55E-98	1.682311	0.821705	0.166505	4.09E-97	purple	BASP1
1.85E-90	2.516439	0.976744	0.362379	6.92E-90	purple	CST3
4.46E-89	1.534171	0.96124	0.287621	1.49E-88	purple	CCDC88A
3.53E-86	1.901709	0.968992	0.36068	1.06E-85	purple	HLA-DMA
1.04E-81	1.783738	0.945736	0.265291	2.82E-81	purple	IL1B
5.41E-80	2.619512	0.984496	0.479369	1.35E-79	purple	HLA-DRA
1.19E-78	2.624039	0.992248	0.501456	2.75E-78	purple	HLA-DRB1
1.18E-75	2.394117	0.992248	0.657767	2.53E-75	purple	CD74
2.37E-75	2.781922	0.976744	0.542476	4.73E-75	purple	HLA-DPA1
2.83E-75	1.640237	0.930233	0.287621	5.30E-75	purple	CPVL
4.29E-75	1.549795	0.945736	0.340049	7.57E-75	purple	HLA-DMB
5.47E-74	1.698048	0.96124	0.399515	9.11E-74	purple	CTSZ
2.57E-72	2.819087	0.976744	0.581796	4.05E-72	purple	HLA-DPB1
1.22E-58	1.562241	0.945736	0.505825	1.84E-58	purple	ANXA2
3.64E-57	1.596383	0.96124	0.50267	5.20E-57	purple	LGALS1
2.01E-55	1.7448	1	0.999272	2.74E-55	purple	HLA-DR
2.20E-54	1.530723	0.992248	0.496845	2.87E-54	purple	LYZ
8.38E-52	1.582583	0.984496	0.916019	1.05E-51	purple	VIM

3.38E-50	1.549932	0.984496	0.804126	4.06E-50	purple	S100A10
1.92E-28	-1.72203	0.968992	0.990534	2.21E-28	purple	CD278
4.74E-27	-1.62278	0.992248	0.998058	5.27E-27	purple	CD28
1.76E-25	-1.81855	0.930233	0.979369	1.88E-25	purple	CD127
1.82E-21	-2.28894	0.968992	0.987136	1.88E-21	purple	CD27
4.51E-11	-2.08475	1	0.998301	4.51E-11	purple	CD3
0	3.878517	0.72561	0.037745	0	red	IGKC
0	2.808865	0.783537	0.018873	0	red	IGHM
0	2.118146	0.893293	0.019638	0	red	CD79A
0	2.062413	0.878049	0.016832	0	red	MS4A1
0	1.889476	0.881098	0.120377	0	red	CD79B
0	1.552685	0.810976	0.017853	0	red	BANK1
0	1.514804	0.414634	0.003315	0	red	TCL1A
4.30E-269	2.359806	0.341463	0.00306	2.04E-268	red	IGLC2
2.37E-234	1.968135	0.307927	0.003571	1.00E-233	red	IGLC3
6.84E-151	4.04519	0.996951	0.989543	2.60E-150	red	CD20
7.20E-150	4.183018	0.984756	0.936496	2.49E-149	red	CD19
8.71E-107	-2.15807	0.942073	0.993624	2.76E-106	red	CD45RO
3.21E-102	-2.38734	0.993902	0.99694	9.38E-102	red	CD4
4.30E-82	-2.05635	0.484756	0.834226	1.17E-81	red	S100A4
7.56E-76	-2.71168	0.996951	0.99847	1.92E-75	red	CD3
2.41E-67	-1.50215	0.615854	0.905891	5.73E-67	red	S100A6
5.53E-67	-1.54076	0.97561	0.991074	1.24E-66	red	CD278
2.49E-62	-1.84572	0.954268	0.979852	5.26E-62	red	CD127
2.43E-61	-1.54603	0.280488	0.713849	4.86E-61	red	S100A11
7.55E-53	-1.96577	0.579268	0.851568	1.43E-52	red	NEAT1
1.32E-44	-1.8506	0.097561	0.498342	2.39E-44	red	AIF1
1.51E-37	-1.75083	0.121951	0.473094	2.61E-37	red	TYROBP
1.82E-35	-2.37079	0.045732	0.383831	3.01E-35	red	FCN1
5.83E-32	-2.9606	0.060976	0.373884	9.23E-32	red	S100A8
3.45E-31	-1.78162	0.039634	0.347615	5.25E-31	red	VCAN
5.84E-29	-3.69009	0.189024	0.459577	8.54E-29	red	S100A9
1.50E-26	-3.86553	0.304878	0.529202	2.11E-26	red	LYZ
2.89E-26	-1.51187	0.216463	0.464932	3.92E-26	red	LST1
3.08E-26	-1.75346	0.112805	0.375669	4.04E-26	red	MNDA
4.05E-24	-2.8654	0.993902	0.998215	5.13E-24	red	CD14
1.05E-23	-1.7458	0.134146	0.401683	1.29E-23	red	CST3
1.62E-21	-1.57259	0.051829	0.288192	1.92E-21	red	CCL5
3.55E-21	-3.53353	0.996951	0.998215	4.09E-21	red	CD11b
5.12E-19	-1.75144	0.060976	0.278755	5.72E-19	red	NKG7
0.000137	-2.26421	0.859756	0.89569	0.000149	red	CD16

0.01759	-1.88254	0.978659	0.939301	0.018567	red	CD86
0.018619	-1.60737	0.981707	0.989543	0.019123	red	CD8a
4.23E-295	1.884026	0.90583	0.085693	1.44E-293	black	GZMH
6.50E-255	1.646382	0.829596	0.07998	1.11E-253	black	FGFBP2
3.15E-221	1.913751	0.843049	0.100099	3.57E-220	black	GNLY
1.52E-192	1.531231	0.950673	0.172628	1.29E-191	black	CST7
5.77E-186	2.026789	0.991031	0.22156	3.92E-185	black	NKG7
3.06E-167	1.770289	0.977578	0.23075	1.73E-166	black	CCL5
2.14E-68	-1.56719	0.991031	0.997019	1.04E-67	black	CD4
5.62E-66	1.57046	0.973094	0.856185	2.39E-65	black	TIGIT
5.79E-48	2.254625	0.950673	0.889717	2.19E-47	black	CD16
7.17E-41	-1.52264	0.309417	0.710134	2.44E-40	black	LTB
1.15E-40	1.91702	0.973094	0.953055	3.56E-40	black	CD56
2.21E-38	-1.66206	0.300448	0.694486	6.27E-38	black	COTL1
2.13E-35	-2.09411	0.058296	0.490065	5.56E-35	black	AIF1
9.70E-28	-1.64715	0.107623	0.464481	2.36E-27	black	LST1
2.86E-26	-3.75662	0.112108	0.456781	6.47E-26	black	S100A9
2.96E-25	-1.85888	0.03139	0.373323	6.28E-25	black	MNDA
4.94E-25	-2.37213	0.035874	0.375559	9.88E-25	black	FCN1
1.11E-23	-1.77807	0.013453	0.341033	2.09E-23	black	VCAN
4.45E-23	-2.7633	0.923767	0.943368	7.97E-23	black	CD86
1.15E-22	-2.61629	0.089686	0.397168	1.96E-22	black	CST3
2.20E-20	-3.91465	0.278027	0.524839	3.56E-20	black	LYZ
6.50E-20	-2.90843	0.080717	0.36463	1.00E-19	black	S100A8
1.99E-19	-1.79097	0.982063	0.96001	2.94E-19	black	FTL
1.08E-18	-2.58214	0.295964	0.505713	1.53E-18	black	HLA-DRA
8.01E-16	-2.04827	0.484305	0.628415	1.09E-15	black	CTSS
1.33E-15	-1.95579	0.58296	0.672628	1.73E-15	black	CD74
4.28E-15	-2.85405	0.995516	0.998013	5.39E-15	black	CD14
1.94E-12	-1.6129	0.399103	0.532042	2.36E-12	black	PSAP
6.00E-10	-2.30533	1	0.999255	7.04E-10	black	HLA-DR
3.42E-07	-1.69063	0.878924	0.943616	3.88E-07	black	CD19
9.55E-06	-1.88769	1	0.998013	1.05E-05	black	CD11b
0.000671	-1.83667	0.591928	0.512171	0.000713	black	HLA-DRB1
0.010728	-1.52399	0.623318	0.551913	0.011053	black	HLA-DPA1
0.022932	-1.70316	0.982063	0.990561	0.022932	black	CD20
0	3.075744	0.994792	0.098595	0	magenta	GNLY
0	1.947495	0.979167	0.071481	0	magenta	GZMB
0	1.905935	0.932292	0.070495	0	magenta	SPON2
0	1.641295	0.942708	0.061622	0	magenta	KLRF1
6.58E-291	1.706764	0.90625	0.077644	5.77E-290	magenta	CLIC3

6.66E-291	1.763303	0.984375	0.093912	5.77E-290	magenta	KLRD1
1.84E-274	2.024697	0.901042	0.082327	1.36E-273	magenta	FGFBP2
8.29E-252	1.891258	0.994792	0.129406	5.39E-251	magenta	PRF1
3.26E-177	2.329661	1	0.227015	1.88E-176	magenta	NKG7
1.77E-175	1.533617	0.963542	0.177964	9.19E-175	magenta	CST7
6.82E-171	1.693814	0.973958	0.188563	3.22E-170	magenta	GZMA
2.35E-170	1.542946	0.984375	0.205571	1.02E-169	magenta	CTSW
6.07E-143	1.743508	0.848958	0.148878	2.43E-142	magenta	CCL4
6.21E-111	2.729956	1	0.951935	2.31E-110	magenta	CD56
5.56E-104	2.934229	0.994792	0.888095	1.93E-103	magenta	CD16
2.67E-96	2.162838	1	0.953414	8.69E-96	magenta	CD335
8.34E-88	1.57542	1	0.998275	2.55E-87	magenta	CD45RA
9.04E-78	-3.6456	0.984375	0.997289	2.61E-77	magenta	CD4
2.22E-74	-2.46898	0.953125	0.991373	6.08E-74	magenta	CD45RO
1.03E-58	-1.55851	0.59375	0.9263	2.68E-58	magenta	FOSB
1.37E-49	-2.62514	0.984375	0.999014	3.39E-49	magenta	CD3
3.61E-48	-1.6522	0.729167	0.92704	8.54E-48	magenta	VIM
1.07E-45	-2.71613	0.953125	0.988169	2.42E-45	magenta	CD27
1.48E-44	-1.64503	0.963542	0.98669	3.21E-44	magenta	CD62L
9.32E-43	-1.77528	0.1875	0.69682	1.94E-42	magenta	COTL1
2.42E-41	-1.70211	0.979167	0.964013	4.84E-41	magenta	FTH1
2.55E-41	-1.92189	0.9375	0.979788	4.91E-41	magenta	CD127
4.18E-38	-1.75079	0.307292	0.707173	7.75E-38	magenta	LTB
8.39E-34	-2.14429	0.020833	0.488538	1.51E-33	magenta	AIF1
4.68E-32	-1.82089	0.994792	0.998028	8.11E-32	magenta	CD28
1.88E-23	-1.88641	0.973958	0.960562	3.15E-23	magenta	FTL
1.19E-22	-2.62638	1	0.999261	1.93E-22	magenta	HLA-DR
2.75E-22	-3.03097	0.880208	0.94528	4.33E-22	magenta	CD86
3.59E-22	-2.71589	0.203125	0.508504	5.49E-22	magenta	HLA-DRA
4.38E-22	-1.58643	0.125	0.460932	6.51E-22	magenta	LST1
1.56E-20	-1.82735	0.046875	0.369978	2.26E-20	magenta	MNDA
1.60E-19	-2.33754	0.0625	0.371703	2.24E-19	magenta	FCN1
1.12E-18	-2.94037	0.0625	0.363323	1.53E-18	magenta	S100A8
1.29E-18	-3.70431	0.166667	0.451565	1.71E-18	magenta	S100A9
1.46E-18	-3.8913	0.260417	0.523786	1.89E-18	magenta	LYZ
1.64E-18	-1.74601	0.036458	0.337441	2.08E-18	magenta	VCAN
2.80E-17	-2.55607	0.119792	0.393394	3.46E-17	magenta	CST3
3.43E-16	-1.51342	0.026042	0.29825	4.14E-16	magenta	IL1B
6.70E-16	-2.00865	0.53125	0.67439	7.92E-16	magenta	CD74
1.56E-14	-2.16154	0.34375	0.524526	1.80E-14	magenta	HLA-DRB1
3.65E-11	-2.00991	0.557292	0.62386	4.12E-11	magenta	CTSS

5.40E-10	-2.8677	0.994792	0.998028	5.97E-10	magenta	CD14
3.72E-08	-1.5595	0.453125	0.528469	4.02E-08	magenta	PSAP
9.01E-08	-1.76782	0.5	0.558294	9.56E-08	magenta	HLA-DPA1
1.56E-06	-1.60387	0.880208	0.943061	1.62E-06	magenta	CD19
0.000133	-1.51462	0.604167	0.593296	0.000136	magenta	HLA-DPB1
0.000813	-2.03425	0.979167	0.990633	0.000813	magenta	CD20

Sup. Tab. 4: DE genes 10X pbmcs a) 1vs all b)

p_val	avg_logFC	pct.1	pct.2	p_val_adj	group1	gene
0	3.527432	0.96181	0.054718	0	green	DNTT
0	3.145648	0.980198	0.056134	0	green	VPREB1
0	2.720039	0.958982	0.066504	0	green	VPREB3
0	2.620183	0.879774	0.071245	0	green	CD9
0	2.601256	0.954738	0.239317	0	green	IGLL1
0	2.374099	0.967468	0.177191	0	green	CD79B
0	2.200937	0.794908	0.183677	0	green	MT1X
0	2.15993	0.857143	0.230888	0	green	SMIM3
0	2.025457	0.770863	0.014552	0	green	ARPP21
0	1.826118	0.885431	0.185521	0	green	MZB1
0	1.817024	0.745403	0.035524	0	green	IGHV5-78
0	1.729646	0.553041	0.00912	0	green	DEPP1
0	1.663562	0.72843	0.053829	0	green	CD24
0	1.654976	0.678925	0.023112	0	green	MME
0	1.633568	0.824611	0.298808	0	green	SSBP2
0	1.605813	0.685997	0.179397	0	green	LHPP
0	1.603649	0.937765	0.139099	0	green	CD79A
0	1.593174	0.589816	0.010173	0	green	LINC01013
0	1.557855	0.81471	0.24916	0	green	TCF4
0	1.518797	0.712871	0.187167	0	green	SOCS2
0	1.458643	0.848656	0.321426	0	green	RCSD1
0	1.439307	0.725601	0.246724	0	green	TOP2B
0	1.425062	0.988685	0.925331	0	green	LAPTM5
0	1.409306	1	0.592875	0	green	HLA-DRA
0	1.297089	0.514851	0.031112	0	green	NEIL1
0	1.295366	0.577086	0.05159	0	green	LINC00426
0	1.285237	0.677511	0.197768	0	green	JUP
0	1.267424	0.565771	0.034174	0	green	EBF1
0	1.25004	0.480905	0.063014	0	green	SMAD1
0	1.247927	0.48232	0.012642	0	green	AKAP12
0	1.219389	0.4314	0.016033	0	green	CMTM8
0	1.21015	0.353607	0.002403	0	green	RPS4Y2
0	1.202214	0.585573	0.05001	0	green	POU2AF1
0	1.197015	0.390382	0.009021	0	green	RAG1
0	1.184303	0.478076	0.013861	0	green	RAG2
0	1.090411	0.441301	0.053006	0	green	TP53INP1
0	0.980273	0.486563	0.082702	0	green	BLNK
0	0.979866	0.356436	0.005926	0	green	P4HA2
0	0.910221	0.323904	0.002173	0	green	DUSP26

0	0.834822	0.295615	0.004082	0	green	HMHB1
0	0.784942	0.272984	0.002403	0	green	SH2D4B
0	0.765779	0.343706	0.014782	0	green	IGHV5-51
0	0.754261	0.302687	0.011918	0	green	LINC02202
0	0.703976	0.288543	0.021202	0	green	MYLK
6.02E-308	1.286659	1	0.917001	5.31E-307	green	CD74
3.20E-291	1.365148	0.680339	0.218114	2.76E-290	green	HPS4
5.05E-285	1.317031	0.871287	0.381543	4.27E-284	green	SOX4
2.31E-284	1.082835	0.544554	0.125305	1.91E-283	green	GNG7
2.18E-279	1.24057	0.659123	0.198262	1.77E-278	green	TSPAN14
2.50E-278	1.032674	0.50495	0.105386	1.98E-277	green	SH3TC1
2.30E-267	0.815264	0.338048	0.048002	1.79E-266	green	MILR1
1.65E-263	0.900531	0.335219	0.048298	1.26E-262	green	GAB1
3.72E-261	-0.50076	1	0.99977	2.77E-260	green	RPL41
3.77E-261	-0.60447	0.997171	0.999407	2.77E-260	green	RPS14
2.13E-260	1.250656	0.773692	0.320109	1.54E-259	green	TMEM243
5.22E-260	-0.72291	0.995757	0.998815	3.70E-259	green	RPL12
4.11E-255	1.042688	0.978784	0.645157	2.86E-254	green	HLA-DPB1
8.02E-252	1.238562	0.763791	0.321229	5.49E-251	green	LAT2
1.87E-249	-1.92179	0.183876	0.84253	1.26E-248	green	SRGN
3.64E-249	0.979505	0.425743	0.084513	2.41E-248	green	ELK3
9.16E-248	1.198705	0.967468	0.806545	5.96E-247	green	CD99
1.15E-247	1.231398	0.855728	0.410285	7.34E-247	green	BTG2
1.68E-242	1.074743	0.483734	0.112695	1.06E-241	green	HIST1H2BK
1.32E-241	-2.31527	0.178218	0.826463	8.21E-241	green	S100A4
1.08E-236	-2.28263	0.192362	0.83848	6.58E-236	green	S100A6
8.38E-227	1.150045	0.58133	0.182788	5.04E-226	green	MLXIP
5.69E-226	1.041513	0.499293	0.127543	3.37E-225	green	QRSL1
1.25E-225	0.951188	0.636492	0.185224	7.29E-225	green	IGHM
5.18E-224	-1.02346	0.773692	0.971192	2.98E-223	green	EEF1B2
2.21E-221	-1.32185	0.149929	0.819912	1.26E-220	green	LSP1
3.57E-220	0.733951	0.343706	0.056529	1.99E-219	green	RUBCNL
2.17E-219	1.126169	0.519095	0.149536	1.20E-218	green	ERG
6.00E-219	-0.57229	0.998586	0.999309	3.26E-218	green	RPL32
8.69E-219	-1.49731	0.079208	0.746823	4.66E-218	green	EMP3
9.44E-219	-0.59296	0.997171	0.999045	4.99E-218	green	RPL13
1.23E-214	-0.63999	0.998586	0.999868	6.44E-214	green	RPLP1
9.72E-212	0.673652	0.998586	0.992428	5.01E-211	green	H3F3B
1.73E-206	-1.66953	0.053748	0.702114	8.82E-206	green	ANXA1
3.68E-205	0.999152	0.471004	0.11928	1.85E-204	green	LDLRAD4
3.80E-205	1.148673	0.770863	0.411339	1.88E-204	green	SNX2

3.51E-202	-0.6149	0.971711	0.994337	1.72E-201	green	RPL36
4.61E-198	1.190428	0.705799	0.327583	2.23E-197	green	GLRX
3.86E-197	1.2039	0.680339	0.290775	1.85E-196	green	MEF2C
9.76E-196	-0.89542	0.777935	0.984427	4.61E-195	green	PFN1
1.60E-193	1.157252	0.695898	0.326562	7.48E-193	green	MPP1
9.12E-193	1.008416	0.850071	0.490749	4.21E-192	green	HLA-DMA
1.20E-192	0.992977	0.363508	0.077533	5.47E-192	green	SCHIP1
1.39E-190	0.760898	0.960396	0.643676	6.28E-190	green	HLA-DPA1
2.79E-188	0.98775	0.902405	0.633206	1.25E-187	green	TKT
1.70E-185	0.706201	0.983027	0.913116	7.48E-185	green	CCNI
3.06E-183	-1.30966	0.971711	0.99707	1.34E-182	green	FTH1
3.94E-182	0.849175	0.394625	0.093896	1.70E-181	green	DBN1
5.16E-182	0.556125	0.261669	0.039014	2.20E-181	green	PAX5
5.65E-181	-1.15349	0.039604	0.654474	2.39E-180	green	CNN2
1.25E-180	0.573453	0.98727	0.969546	5.24E-180	green	ARHGDIB
2.98E-180	-1.09909	0.057992	0.666985	1.23E-179	green	CD44
5.89E-180	-1.45626	0.055163	0.657799	2.41E-179	green	ITGB2
8.91E-180	-0.53975	0.991513	0.99572	3.61E-179	green	RPL14
1.06E-179	0.816308	0.384724	0.088332	4.26E-179	green	HLA-DOA
1.12E-177	-0.68631	0.994342	0.996444	4.43E-177	green	RPS18
5.16E-177	-1.92133	0.236209	0.783697	2.03E-176	green	JUNB
1.38E-175	1.079391	0.486563	0.154408	5.36E-175	green	ENG
1.28E-174	1.094112	0.586987	0.230329	4.92E-174	green	CD38
1.06E-171	0.960653	0.743989	0.381741	4.04E-171	green	CYFIP2
4.23E-171	-1.43282	0.08628	0.670837	1.60E-170	green	HCST
1.47E-170	1.12759	0.602546	0.261474	5.51E-170	green	MAGED1
6.56E-170	0.765165	0.994342	0.972444	2.43E-169	green	ACTG1
1.51E-169	0.863849	0.919378	0.761704	5.53E-169	green	PNISR
1.57E-167	1.173986	0.666195	0.328834	5.72E-167	green	UBE2J1
3.46E-166	1.069959	0.584158	0.242181	1.25E-165	green	ERGIC1
6.97E-163	-0.80629	0.487977	0.915289	2.49E-162	green	PPDPF
7.85E-162	0.893707	0.411598	0.113354	2.78E-161	green	TCF3
1.43E-161	1.01292	0.561528	0.217291	5.03E-161	green	WASHC4
5.39E-161	-1.00392	0.964639	0.994798	1.88E-160	green	FTL
5.01E-160	0.89718	0.854314	0.575196	1.73E-159	green	9-Sep
3.79E-159	0.559819	0.994342	0.949134	1.30E-158	green	H3F3A
9.50E-158	-1.49821	0.015559	0.576612	3.22E-157	green	CTSW
3.78E-156	0.757576	0.756719	0.359189	1.27E-155	green	HLA-DQB1
3.83E-156	0.935923	0.497878	0.167742	1.28E-155	green	GBP4
3.82E-152	0.644649	0.937765	0.573583	1.26E-151	green	HLA-DRB5
7.93E-152	0.705513	0.323904	0.071541	2.60E-151	green	SYNE3

9.76E-151	0.619339	0.29703	0.058932	3.17E-150	green	CD72
5.28E-147	-0.90782	0.128713	0.676269	1.70E-146	green	ICAM3
1.51E-146	1.046218	0.710042	0.404622	4.83E-146	green	NR3C1
9.09E-144	0.970405	0.697313	0.375387	2.89E-143	green	PPP1R18
2.18E-141	-1.98245	0.074965	0.584513	6.87E-141	green	IFITM1
8.51E-141	0.850644	0.434229	0.140252	2.66E-140	green	DOK3
2.01E-140	-1.09166	0.243281	0.759729	6.23E-140	green	PTPRC
3.61E-140	1.039156	0.605375	0.28745	1.11E-139	green	ZCCHC7
4.57E-140	0.595055	0.384724	0.095509	1.39E-139	green	FAM129C
2.69E-138	-1.14069	0.029703	0.549746	8.16E-138	green	FLNA
5.04E-138	1.001311	0.606789	0.291993	1.52E-137	green	MDM4
7.76E-136	0.762717	0.282885	0.061961	2.32E-135	green	BTBD3
8.08E-135	-0.57699	0.988685	0.993613	2.39E-134	green	RPS6
5.34E-132	0.507741	0.263083	0.051458	1.57E-131	green	CD22
6.60E-132	-1.64348	0.123055	0.619247	1.93E-131	green	S100A10
6.44E-131	-0.51488	0.922207	0.981662	1.87E-130	green	RPL37A
1.67E-130	0.535797	0.950495	0.915421	4.81E-130	green	SRP14
5.40E-130	-0.87605	0.043847	0.546454	1.54E-129	green	RGS10
5.02E-129	0.672781	0.916549	0.839567	1.42E-128	green	GMFG
4.40E-128	0.659509	0.302687	0.072825	1.24E-127	green	AEBP1
9.60E-128	-0.9069	0.582744	0.899783	2.69E-127	green	RPS2
1.23E-127	-0.93478	0.007072	0.496115	3.41E-127	green	BIN2
5.74E-127	-1.25468	0.018388	0.507605	1.58E-126	green	FYB1
2.57E-126	0.911006	0.462518	0.168927	7.03E-126	green	HIST1H2AC
1.70E-125	0.619511	0.923621	0.831138	4.62E-125	green	HNRNPK
3.97E-123	1.047945	0.588402	0.284618	1.07E-122	green	HIST1H1C
2.19E-122	0.910389	0.612447	0.298775	5.87E-122	green	EGFL7
1.11E-116	1.017711	0.574257	0.272404	2.95E-116	green	CD34
4.82E-115	0.942287	0.652051	0.407289	1.28E-114	green	ZNF22
2.87E-113	-0.77906	0.48232	0.864588	7.55E-113	green	RAC2
3.54E-112	-0.63022	0.994342	0.994601	9.24E-112	green	RPS27
6.04E-112	0.788774	0.359264	0.115362	1.57E-111	green	RIMKLB
4.01E-110	-1.14071	0.018388	0.464608	1.03E-109	green	AHNAK
1.73E-108	0.911531	0.650636	0.392309	4.44E-108	green	MAP1LC3B
2.35E-106	0.938655	0.512023	0.247942	5.98E-106	green	YBX3
2.81E-106	-0.8453	0.100424	0.555738	7.10E-106	green	PLP2
7.81E-102	0.754124	0.545969	0.248765	1.96E-101	green	PTPRE
2.73E-100	-0.54368	0.724187	0.926516	6.83E-100	green	RPL38
3.60E-100	-1.021	0.056577	0.484658	8.93E-100	green	MT2A
3.85E-100	-0.76014	0.364922	0.7487	9.49E-100	green	TPI1
6.30E-100	-0.73625	0.082037	0.523342	1.54E-99	green	PAXX

2.61E-98	-1.44722	0.009901	0.419207	6.35E-98	green	CD7
5.73E-98	0.65696	0.793494	0.631856	1.39E-97	green	ATP5F1C
2.80E-97	-0.72699	0.203678	0.66096	6.73E-97	green	LY6E
2.94E-97	0.694096	0.270156	0.072365	7.04E-97	green	PPP1R14B
1.15E-96	0.738575	0.635078	0.323435	2.73E-96	green	ISG20
1.32E-96	-0.57276	0.632249	0.895371	3.11E-96	green	RPL27A
2.06E-96	0.811993	0.677511	0.46046	4.84E-96	green	TRABD
2.60E-96	-1.13527	0.011315	0.419174	6.08E-96	green	TIMP1
1.11E-95	0.727282	0.318246	0.100415	2.57E-95	green	TIFA
1.86E-95	0.634824	0.834512	0.708435	4.29E-95	green	SRSF3
3.12E-95	-1.85266	0.011315	0.410417	7.17E-95	green	CD3E
5.64E-95	0.782208	0.704385	0.537894	1.29E-94	green	SELENOF
1.30E-94	0.866663	0.485149	0.224468	2.95E-94	green	SPTBN1
4.00E-94	-0.6171	0.154173	0.611411	9.02E-94	green	SELENOW
6.91E-94	-0.96258	0.057992	0.456673	1.55E-93	green	CD48
2.21E-93	-2.15337	0.002829	0.397149	4.92E-93	green	IL32
4.43E-91	0.627236	0.845827	0.5989	9.83E-91	green	CXCR4
1.02E-90	0.685856	0.306931	0.096267	2.25E-90	green	SUSD3
2.08E-90	-0.89432	0.178218	0.582406	4.57E-90	green	SELL
3.42E-90	-1.24619	0.330976	0.727102	7.45E-90	green	FOS
1.79E-89	-0.81374	0.052334	0.451142	3.89E-89	green	VSIR
1.45E-88	0.605352	0.304102	0.095312	3.12E-88	green	RIPOR1
1.65E-88	0.769232	0.367751	0.138342	3.55E-88	green	ARHGEF7
7.64E-88	0.68227	0.785007	0.663232	1.63E-87	green	ARGLU1
1.80E-87	0.77511	0.705799	0.553631	3.82E-87	green	WASF2
4.69E-87	-1.21055	0.352192	0.716567	9.90E-87	green	ZFP36
1.19E-86	-0.85651	0.421499	0.78205	2.49E-86	green	IFITM2
1.53E-86	0.921618	0.473833	0.236617	3.21E-86	green	AP1B1
2.11E-86	-0.67017	0.026874	0.412557	4.38E-86	green	ITM2A
9.16E-84	-0.99652	0.093352	0.476822	1.89E-83	green	TRBC2
1.08E-83	-1.01151	0.043847	0.414236	2.21E-83	green	SLC2A3
5.81E-82	-0.58493	0.742574	0.935043	1.19E-81	green	RPS29
7.41E-82	0.669458	0.380481	0.153388	1.51E-81	green	SYVN1
2.21E-81	-0.57419	0.46959	0.827286	4.47E-81	green	RPS20
8.77E-81	-0.59527	0.131542	0.538158	1.77E-80	green	CSTB
1.72E-80	-0.64207	0.326733	0.738098	3.45E-80	green	LCP1
1.16E-79	0.628123	0.398868	0.160598	2.32E-79	green	PAG1
1.73E-79	0.898241	0.635078	0.473102	3.43E-79	green	VDAC1
1.67E-77	0.633234	0.727016	0.566373	3.29E-77	green	YWHAQ
4.76E-77	-0.54974	0.673267	0.934615	9.35E-77	green	TOMM7
2.47E-76	-1.57375	0.039604	0.387535	4.84E-76	green	LGALS1

7.18E-76	0.783642	0.520509	0.29917	1.40E-75	green	PECAM1
1.36E-75	-0.66055	0.490806	0.828175	2.64E-75	green	CORO1A
7.53E-75	0.580482	0.277228	0.091987	1.45E-74	green	SCMH1
7.54E-75	-0.67999	0.036775	0.389577	1.45E-74	green	C1orf162
4.24E-74	0.688999	0.388967	0.167643	8.09E-74	green	PHACTR1
4.27E-74	-0.75821	0.120226	0.490485	8.12E-74	green	MCL1
5.05E-74	-1.30368	0.015559	0.354547	9.55E-74	green	S100A11
1.29E-73	0.819921	0.478076	0.264832	2.44E-73	green	MTF2
1.71E-73	0.763094	0.637907	0.476263	3.20E-73	green	TRAM1
1.73E-73	0.788185	0.560113	0.367584	3.22E-73	green	ANKRD10
3.87E-73	0.716338	0.540311	0.300784	7.18E-73	green	PDE4B
4.54E-73	-0.55257	0.046676	0.402384	8.38E-73	green	NDFIP1
1.05E-72	-0.67869	0.005658	0.335879	1.93E-72	green	SELPLG
3.70E-72	-0.95374	0.032532	0.367189	6.78E-72	green	NR4A2
5.27E-72	0.632227	0.376238	0.155363	9.60E-72	green	TMEM131L
7.15E-72	-1.13382	0.001414	0.326826	1.30E-71	green	CD3D
1.83E-71	0.743008	0.45686	0.238856	3.31E-71	green	GABPB1-AS1
2.76E-71	0.807802	0.465347	0.254132	4.96E-71	green	BCL11A
4.20E-71	0.58435	0.285714	0.098341	7.51E-71	green	PIK3AP1
4.89E-71	0.653505	0.336634	0.133404	8.71E-71	green	CIITA
5.19E-71	0.565667	0.570014	0.287581	9.21E-71	green	FCMR
7.14E-71	-0.75911	0.76662	0.910548	1.26E-70	green	VIM
7.31E-71	0.889603	0.492221	0.280799	1.28E-70	green	REXO2
4.68E-70	-0.51361	0.026874	0.356193	8.19E-70	green	DNPH1
6.63E-70	0.584461	0.333805	0.128761	1.15E-69	green	AFF3
8.72E-70	-0.6	0.598303	0.838579	1.51E-69	green	TAGLN2
1.24E-69	0.642069	0.336634	0.135445	2.13E-69	green	ERO1B
1.76E-69	-0.78299	0.523338	0.742345	3.03E-69	green	GSTP1
8.06E-69	-0.76879	0.089109	0.436854	1.38E-68	green	FOSB
9.79E-69	-0.70257	0.381895	0.716731	1.67E-68	green	MT-ATP8
2.36E-68	0.922262	0.531825	0.331665	4.01E-68	green	KLF10
3.02E-68	-0.62342	0.093352	0.445611	5.11E-68	green	APLP2
3.16E-68	0.614037	0.251768	0.081517	5.31E-68	green	LMF1
4.18E-68	-0.71016	0.195191	0.563047	7.01E-68	green	LEPROTL1
8.24E-68	-1.88447	0.015559	0.332521	1.37E-67	green	TYROBP
2.62E-67	-0.56723	0.039604	0.370843	4.36E-67	green	RNF130
3.50E-67	0.740802	0.613861	0.426615	5.79E-67	green	ZEB2
4.07E-67	0.689151	0.446959	0.230131	6.70E-67	green	A1BG
1.48E-66	-0.71407	0.031117	0.353394	2.43E-66	green	PLEK
4.49E-66	0.730214	0.572843	0.365312	7.34E-66	green	PBXIP1
4.61E-66	-0.62498	0.196605	0.559097	7.50E-66	green	PRDX2

4.83E-66	0.726803	0.700141	0.541417	7.83E-66	green	EZR
1.11E-65	-0.57911	0.164074	0.532725	1.79E-65	green	SLC9A3R1
2.81E-65	0.546504	0.756719	0.645848	4.51E-65	green	FKBP1A
3.24E-65	0.750137	0.540311	0.34332	5.19E-65	green	JMJD1C
2.14E-64	0.667572	0.312588	0.124218	3.41E-64	green	MDM2
5.66E-64	0.753136	0.429986	0.228419	8.98E-64	green	FHIT
5.82E-64	0.501072	0.298444	0.104333	9.20E-64	green	LILRB2
6.93E-64	-0.56079	0.09901	0.437809	1.09E-63	green	IDS
1.12E-63	-0.81376	0.01273	0.311714	1.76E-63	green	ARL4C
1.36E-63	-0.52508	0.121641	0.4759	2.13E-63	green	PTPN6
3.74E-63	-0.51272	0.181047	0.54889	5.82E-63	green	SYNGR2
4.30E-63	0.739665	0.497878	0.3021	6.67E-63	green	SYK
4.87E-63	-0.51636	0.097595	0.441562	7.52E-63	green	CTSC
6.10E-63	0.560508	0.760962	0.681701	9.39E-63	green	EPC1
7.48E-63	-0.55771	0.397454	0.7219	1.15E-62	green	LDHA
1.69E-62	0.591317	0.277228	0.102884	2.59E-62	green	CALHM6
4.44E-62	-0.80591	0.022631	0.320603	6.75E-62	green	SAMHD1
5.47E-62	0.579281	0.291372	0.112893	8.29E-62	green	HMCES
8.85E-62	0.533187	0.256011	0.085995	1.34E-61	green	IGHD
1.03E-61	-0.88136	0.016973	0.3102	1.55E-61	green	SPOCK2
1.95E-61	-0.53104	0.007072	0.298644	2.92E-61	green	CYTOR
2.42E-61	-0.52802	0.182461	0.530816	3.61E-61	green	HSPB1
5.70E-61	-0.70286	0.06082	0.376012	8.48E-61	green	GRN
6.46E-61	0.533403	0.267327	0.09439	9.57E-61	green	AC116366.3
7.36E-61	-0.52602	0.422914	0.724271	1.09E-60	green	ANP32B
1.43E-60	-0.51945	0.055163	0.366695	2.11E-60	green	TMC8
1.49E-60	-1.54239	0.014144	0.303319	2.19E-60	green	CST7
7.72E-60	-2.27935	0.022631	0.311977	1.13E-59	green	NKG7
1.13E-59	0.627572	0.391796	0.19678	1.64E-59	green	ADA
1.69E-59	0.704667	0.446959	0.259827	2.45E-59	green	CDCA7L
3.39E-59	0.771564	0.537482	0.372819	4.89E-59	green	PFKL
7.13E-59	0.616189	0.349364	0.155627	1.03E-58	green	PPP3CC
2.03E-58	0.723325	0.574257	0.431059	2.91E-58	green	PSMA6
3.74E-58	0.765439	0.280057	0.112135	5.34E-58	green	POLA2
5.16E-58	0.561146	0.338048	0.148054	7.34E-58	green	CCM2
5.42E-58	0.573981	0.66761	0.515573	7.68E-58	green	RBBP4
1.46E-57	0.70986	0.480905	0.304701	2.06E-57	green	PLIN3
3.02E-57	-0.66586	0.005658	0.281721	4.26E-57	green	CSF3R
5.68E-57	-0.50806	0.141443	0.477975	7.96E-57	green	CD63
7.09E-57	0.71988	0.462518	0.276157	9.91E-57	green	SYNGR1
2.11E-56	-0.73406	0.005658	0.277573	2.93E-56	green	IL10RA

2.42E-56	0.667706	0.401697	0.209916	3.35E-56	green	EIF1AY
2.57E-56	-0.54181	0.01273	0.289721	3.56E-56	green	MGST1
1.17E-55	-1.49125	0.113154	0.414828	1.62E-55	green	CST3
3.36E-55	-0.90558	0.393211	0.668532	4.62E-55	green	TUBA1B
8.59E-55	0.585635	0.718529	0.6203	1.18E-54	green	GDI2
1.26E-54	-0.5288	0.229137	0.562126	1.72E-54	green	STK17B
4.87E-54	0.611542	0.670438	0.556891	6.62E-54	green	PNN
8.00E-54	-0.6814	0.009901	0.272733	1.08E-53	green	LAT
9.26E-54	-0.74917	0.005658	0.266873	1.25E-53	green	HOPX
1.41E-53	-0.79597	0.584158	0.791664	1.89E-53	green	CD52
2.45E-53	0.668362	0.353607	0.17166	3.28E-53	green	RELL1
3.46E-53	-0.88002	0.001414	0.258379	4.63E-53	green	GZMM
3.83E-53	-0.60553	0.007072	0.266083	5.10E-53	green	MYO1F
4.46E-53	0.550604	0.27157	0.106374	5.92E-53	green	ARHGAP27
5.40E-53	-0.79541	0.001414	0.257622	7.15E-53	green	CD3G
1.01E-52	0.531715	0.683168	0.599559	1.34E-52	green	COX7A2L
2.14E-52	-0.65255	0.019802	0.284816	2.82E-52	green	BLVRB
4.87E-50	-0.68613	0.933522	0.966024	6.38E-50	green	RPS26
6.67E-50	0.537445	0.64215	0.547705	8.71E-50	green	PPP2R1A
7.22E-50	0.550654	0.264498	0.10779	9.40E-50	green	MYO18A
4.71E-49	-0.7247	0.046676	0.306677	6.11E-49	green	ANXA2
7.04E-49	0.688746	0.4314	0.259729	9.10E-49	green	DCK
1.47E-48	-0.5581	0.646393	0.900112	1.89E-48	green	MYL12A
3.34E-48	0.515523	0.321075	0.145025	4.29E-48	green	CSRNP1
4.68E-48	0.587227	0.550212	0.389511	6.00E-48	green	CLK1
6.18E-48	-1.2637	0.019802	0.263087	7.89E-48	green	FCER1G
6.84E-48	0.65504	0.329562	0.165536	8.70E-48	green	ZMIZ1
1.05E-47	-0.50292	0.056577	0.321624	1.34E-47	green	AGTRAP
1.86E-47	0.654641	0.611033	0.492955	2.35E-47	green	LUC7L3
1.21E-46	0.573231	0.339463	0.162902	1.53E-46	green	AC243960.1
2.05E-46	0.620887	0.442716	0.283005	2.57E-46	green	FPGS
2.50E-46	0.673528	0.44413	0.285244	3.13E-46	green	SMARCA4
8.44E-46	0.580579	0.632249	0.516659	1.05E-45	green	FOXP1
5.85E-45	0.721345	0.475248	0.315138	7.28E-45	green	SOD2
1.15E-44	0.634388	0.404526	0.235728	1.43E-44	green	MUC20-OT1
3.66E-44	0.511841	0.256011	0.108678	4.52E-44	green	BCR
4.04E-44	-2.49847	0.02546	0.256206	4.98E-44	green	LYZ
8.42E-44	-0.74618	0.082037	0.325245	1.04E-43	green	LCK
5.63E-43	0.693282	0.441301	0.283367	6.90E-43	green	LAIR1
1.37E-42	0.534482	0.661952	0.524067	1.67E-42	green	CCND3
2.66E-42	0.535845	0.487977	0.310463	3.24E-42	green	SLC44A2

2.95E-42	-0.89388	0.107496	0.341246	3.58E-42	green	PRSS57
3.33E-42	0.602992	0.586987	0.487753	4.03E-42	green	TAF7
3.80E-42	0.516462	0.70297	0.651478	4.58E-42	green	KMT2E
6.32E-42	0.582062	0.5686	0.450616	7.60E-42	green	PARP1
1.24E-41	-0.54179	0.053748	0.287845	1.49E-41	green	CRIP1
5.18E-41	0.650701	0.427157	0.282116	6.19E-41	green	NGLY1
1.94E-40	-0.63161	0.041018	0.264996	2.31E-40	green	KLF2
3.11E-39	-0.75379	0.196605	0.471028	3.69E-39	green	CTSS
3.47E-39	-0.53364	0.275813	0.562422	4.12E-39	green	DNAJB1
4.91E-39	0.535948	0.650636	0.554948	5.80E-39	green	YPEL5
5.02E-39	-0.71752	0.166902	0.429117	5.91E-39	green	DUSP1
6.10E-39	0.623785	0.510608	0.379305	7.16E-39	green	APBB1IP
4.04E-38	-1.20565	0.083451	0.29489	4.74E-38	green	IL7R
5.62E-38	0.605501	0.526167	0.425166	6.57E-38	green	NDUFA5
7.53E-38	0.516532	0.27157	0.13156	8.76E-38	green	NARFL
7.75E-38	0.623433	0.461103	0.334134	9.00E-38	green	CHD9
1.19E-37	0.59969	0.462518	0.323204	1.38E-37	green	FLI1
1.49E-37	0.546421	0.322489	0.176829	1.72E-37	green	NT5C2
3.28E-37	-0.57578	0.048091	0.261013	3.78E-37	green	FLT3LG
3.69E-37	0.527924	0.27157	0.130836	4.23E-37	green	CEP135
4.37E-37	0.589494	0.485149	0.354777	5.00E-37	green	AKIRIN2
8.86E-37	0.611995	0.425743	0.289063	1.01E-36	green	ATXN7L3B
9.49E-37	0.614597	0.415842	0.287746	1.08E-36	green	MYL6B
1.75E-35	0.530346	0.550212	0.439257	1.98E-35	green	RASGRP2
2.71E-35	-0.98263	0.113154	0.335221	3.06E-35	green	AREG
3.46E-35	0.622685	0.432815	0.306907	3.91E-35	green	SEC63
2.38E-34	0.623549	0.421499	0.292783	2.68E-34	green	MSI2
3.99E-34	0.537761	0.292786	0.153849	4.47E-34	green	MEF2A
7.88E-34	-0.55448	0.082037	0.300915	8.82E-34	green	NAMPT
1.43E-33	0.562235	0.439887	0.321788	1.60E-33	green	UBE2E1
5.32E-33	0.549624	0.304102	0.169652	5.91E-33	green	BCL7A
6.66E-33	-0.72242	0.356436	0.554059	7.38E-33	green	AIF1
8.47E-33	0.579644	0.466761	0.352176	9.36E-33	green	CALCOCO2
9.67E-33	0.563572	0.415842	0.277672	1.07E-32	green	BAZ2A
1.77E-32	0.567328	0.438472	0.31234	1.94E-32	green	PPP4R3B
2.04E-32	0.625692	0.39604	0.267696	2.24E-32	green	ZMYM2
2.75E-32	0.558141	0.304102	0.171034	3.01E-32	green	MIR181A1HG
4.13E-32	0.553322	0.424328	0.28103	4.50E-32	green	ARID5A
4.76E-32	0.540851	0.513437	0.422829	5.18E-32	green	ESD
7.24E-32	0.586597	0.326733	0.194541	7.85E-32	green	SPIDR
8.88E-32	0.505288	0.308345	0.175249	9.61E-32	green	BCL2L1

4.87E-31	0.557118	0.347949	0.21897	5.25E-31	green	STK26
1.06E-30	0.5454	0.465347	0.330217	1.14E-30	green	SLC38A1
2.72E-30	-0.64813	0.21075	0.426582	2.91E-30	green	TNFAIP3
8.66E-29	0.531766	0.398868	0.276914	9.26E-29	green	CARHSP1
1.67E-28	0.503479	0.526167	0.448311	1.78E-28	green	ROCK1
4.65E-28	-0.5677	0.164074	0.385494	4.95E-28	green	LST1
4.69E-28	0.578033	0.554455	0.494074	4.98E-28	green	WSB1
6.07E-28	-0.62767	0.079208	0.255383	6.43E-28	green	SPINK2
1.48E-26	0.528423	0.362093	0.246955	1.56E-26	green	TIA1
1.61E-26	0.500046	0.49505	0.408013	1.70E-26	green	RNASEH2B
2.46E-26	0.50034	0.292786	0.174294	2.58E-26	green	PCMTD2
3.33E-26	0.579268	0.360679	0.249325	3.49E-26	green	STARD3
3.75E-26	0.509565	0.468175	0.374366	3.92E-26	green	NIPBL
1.49E-25	0.525139	0.257426	0.146671	1.55E-25	green	GABPB1
1.18E-24	0.52029	0.278642	0.167578	1.22E-24	green	EIPR1
2.51E-24	0.519715	0.349364	0.242609	2.61E-24	green	BTK
7.60E-23	0.534927	0.306931	0.200435	7.86E-23	green	AFF1
8.71E-23	0.50496	0.448373	0.362744	8.98E-23	green	CYBC1
1.42E-22	0.508379	0.400283	0.302924	1.46E-22	green	TRA2A
4.03E-22	0.546949	0.312588	0.212945	4.14E-22	green	KDM5B
6.44E-22	-0.55519	0.461103	0.69092	6.59E-22	green	TSPO
7.14E-22	0.530312	0.422914	0.341114	7.28E-22	green	ATP1B3
1.28E-21	0.51119	0.29703	0.186903	1.30E-21	green	PMAIP1
2.69E-21	0.544107	0.33239	0.233753	2.73E-21	green	SMC4
3.80E-21	0.506743	0.321075	0.219727	3.85E-21	green	PKN2
2.70E-19	0.546713	0.415842	0.342892	2.72E-19	green	MIS18BP1
1.88E-18	0.508026	0.318246	0.230757	1.89E-18	green	WDFY2
4.59E-13	0.516942	0.315417	0.250774	4.62E-13	green	MTIF3
6.43E-12	0.504933	0.335219	0.284915	6.45E-12	green	ZNF326
0	1.488288	0.716923	0.055405	0	lightyellow	HBD
0	1.159764	0.857436	0.053483	0	lightyellow	CNRIP1
0	1.123091	0.991795	0.325598	0	lightyellow	AC084033.3
0	1.077883	0.782564	0.04188	0	lightyellow	ITGA2B
0	1.077299	0.936923	0.193711	0	lightyellow	CYTL1
0	1.070829	0.738462	0.060348	0	lightyellow	AL157895.1
0	1.042753	0.929231	0.183173	0	lightyellow	SLC40A1
0	1.005151	0.855897	0.05108	0	lightyellow	GATA1
0	1.003803	0.736923	0.081425	0	lightyellow	FCER1A
0	0.979803	0.997949	0.583845	0	lightyellow	SERPINB1
0	0.909937	0.950769	0.402904	0	lightyellow	TMEM14C
0	0.9008	0.974359	0.421372	0	lightyellow	CAT

0	0.895378	0.992308	0.455254	0	lightyellow	IMPDH2
0	0.860733	0.944615	0.327692	0	lightyellow	TUBA1C
0	0.85959	0.918462	0.316639	0	lightyellow	UROD
0	0.825652	0.968718	0.322783	0	lightyellow	RNF130
0	0.819596	0.47641	0.044351	0	lightyellow	APOC1
0	0.815728	0.9	0.251313	0	lightyellow	CYTOR
0	0.801816	1	0.860218	0	lightyellow	HSP90AB1
0	0.785651	0.84	0.182692	0	lightyellow	PDLIM1
0	0.783918	0.977436	0.362157	0	lightyellow	CDK6
0	0.77716	0.973333	0.452405	0	lightyellow	GLUL
0	0.732545	0.656923	0.191617	0	lightyellow	MYC
0	0.722505	0.94	0.294463	0	lightyellow	MPP1
0	0.70882	0.728718	0.103704	0	lightyellow	GATA2
0	0.707628	1	0.913254	0	lightyellow	NPM1
0	0.706671	0.785128	0.095671	0	lightyellow	TPM1
0	0.704481	0.848718	0.158457	0	lightyellow	PKIG
0	0.699048	0.922564	0.313069	0	lightyellow	CD82
0	0.698464	0.789744	0.160276	0	lightyellow	NET1
0	0.693096	0.989231	0.600529	0	lightyellow	TUBB
0	0.68716	0.941538	0.380866	0	lightyellow	FBXO7
0	0.678216	0.978462	0.50012	0	lightyellow	HSPD1
0	0.6772	0.789231	0.326182	0	lightyellow	ATF7IP2
0	0.674324	0.97641	0.293056	0	lightyellow	PRSS57
0	0.670534	0.958462	0.449899	0	lightyellow	NAA38
0	0.6702	0.801538	0.165665	0	lightyellow	NFE2
0	0.666564	0.703077	0.091655	0	lightyellow	MINPP1
0	0.664908	0.767179	0.161512	0	lightyellow	FSCN1
0	0.664468	0.873846	0.221929	0	lightyellow	MEST
0	0.660169	0.911795	0.329923	0	lightyellow	CDK4
0	0.659656	0.910769	0.398888	0	lightyellow	MPC2
0	0.655815	0.892821	0.235591	0	lightyellow	CTNBL1
0	0.639593	1	0.955271	0	lightyellow	HNRNPA1
0	0.629456	0.998974	0.592942	0	lightyellow	TALDO1
0	0.620955	0.808718	0.167142	0	lightyellow	ALDH1A1
0	0.618689	0.631282	0.0702	0	lightyellow	MPIG6B
0	0.617025	0.987179	0.443651	0	lightyellow	STMN1
0	0.612365	0.739487	0.22392	0	lightyellow	H1FO
0	0.61099	0.995897	0.560228	0	lightyellow	TXN
0	0.599927	1	0.794617	0	lightyellow	LDHB
0	0.588749	0.96	0.509766	0	lightyellow	DUT
0	0.576009	0.628205	0.044248	0	lightyellow	KLF1

0	0.573877	0.967179	0.481274	0	lightyellow	CCT2
0	0.562046	0.993333	0.657101	0	lightyellow	SH3BGRL
0	0.558136	0.81641	0.241976	0	lightyellow	ISYNA1
0	0.555285	0.647179	0.13326	0	lightyellow	PHTF1
0	0.552956	0.88	0.313137	0	lightyellow	DNPH1
0	0.552163	0.841026	0.292232	0	lightyellow	LIMS1
0	0.545656	0.747692	0.2474	0	lightyellow	BLVRB
0	0.541934	0.994872	0.722907	0	lightyellow	TPI1
0	0.541254	0.858462	0.266314	0	lightyellow	PAICS
0	0.535095	0.994359	0.695582	0	lightyellow	RAN
0	0.535088	0.946154	0.383475	0	lightyellow	RTN3
0	0.534384	0.875897	0.239333	0	lightyellow	CD34
0	0.528494	0.747179	0.218393	0	lightyellow	HDAC7
0	0.527763	1	0.995022	0	lightyellow	RPLP0
0	0.526678	0.908718	0.341629	0	lightyellow	AHCY
0	0.52661	0.923077	0.375339	0	lightyellow	AMD1
0	0.522148	0.501026	0.107823	0	lightyellow	CPA3
0	0.520506	0.917949	0.338025	0	lightyellow	BZW2
0	0.520039	0.594872	0.061069	0	lightyellow	CSF2RB
0	0.51989	0.919487	0.339158	0	lightyellow	DDAH2
0	0.519747	0.989744	0.680409	0	lightyellow	ATP5F1B
0	0.519489	0.911795	0.347808	0	lightyellow	HDAC2
0	0.509712	1	0.91473	0	lightyellow	HMGB1
0	0.50953	0.997436	0.698672	0	lightyellow	ANP32B
0	0.509375	0.955897	0.354983	0	lightyellow	SOX4
0	0.506828	0.905641	0.334283	0	lightyellow	BEX3
0	0.506597	0.891282	0.336343	0	lightyellow	FABP5
0	0.503894	1	0.964471	0	lightyellow	EEF1B2
0	0.503163	0.780513	0.292541	0	lightyellow	MCM7
0	0.500404	0.684615	0.126978	0	lightyellow	HACD1
0	-0.7418	0.995385	0.979609	0	lightyellow	UBC
0	-0.9041	1	0.998661	0	lightyellow	TMSB10
0	-1.0101	0.889231	0.885037	0	lightyellow	CALM1
0	-1.1599	0.962051	0.945934	0	lightyellow	HLA-E
0	-1.20394	0.715385	0.810648	0	lightyellow	LSP1
0	-1.22956	1	0.999657	0	lightyellow	B2M
0	-1.24429	0.982051	0.986509	0	lightyellow	HLA-A
0	-1.27754	0.990256	0.993924	0	lightyellow	TMSB4X
0	-1.41478	0.575897	0.836875	0	lightyellow	CORO1A
0	-1.41981	0.371282	0.676702	0	lightyellow	HCST
0	-1.45055	0.998462	0.997322	0	lightyellow	HLA-B

0	-1.46941	0.416923	0.727781	0	lightyellow	ZFP36
0	-1.49458	0.99641	0.993031	0	lightyellow	HLA-C
0	-1.54933	0.14359	0.635371	0	lightyellow	CXCR4
0	-1.87256	0.404615	0.812536	0	lightyellow	CD52
0	-1.98334	0.5	0.7894	0	lightyellow	JUNB
0	-2.0345	0.205641	0.597508	0	lightyellow	IFITM1
5.85E-306	-1.09183	0.027179	0.475747	1.48E-305	lightyellow	CD48
1.02E-298	-1.23126	0.700513	0.826474	2.54E-298	lightyellow	TSC22D3
1.07E-295	0.576575	0.975897	0.597645	2.66E-295	lightyellow	DAD1
8.79E-295	-0.88874	0.988205	0.96756	2.16E-294	lightyellow	SH3BGRL3
9.42E-286	-1.17979	0.636923	0.755415	2.29E-285	lightyellow	PTPRC
7.35E-282	0.542224	0.978974	0.590402	1.77E-281	lightyellow	H2AFZ
4.63E-278	0.535204	0.985641	0.640623	1.10E-277	lightyellow	TUBA1B
9.10E-270	-1.31362	0.439487	0.657787	2.15E-269	lightyellow	ITGB2
7.17E-266	-1.89398	0.016923	0.427071	1.68E-265	lightyellow	CD3E
5.78E-258	0.504052	0.999487	0.885414	1.34E-257	lightyellow	RPS2
1.58E-255	-2.17639	0.013846	0.413237	3.62E-255	lightyellow	IL32
9.55E-241	-1.20411	0.341026	0.60197	2.17E-240	lightyellow	EVL
2.56E-236	-1.1122	0.224615	0.5397	5.78E-236	lightyellow	LITAF
4.46E-234	-1.29167	0.078462	0.444647	9.98E-234	lightyellow	TNFAIP3
2.90E-229	-1.64877	0.055385	0.419313	6.42E-229	lightyellow	LTB
8.33E-202	-1.60434	0.446154	0.618791	1.83E-201	lightyellow	S100A10
9.93E-202	-0.69309	0.973846	0.923621	2.16E-201	lightyellow	LAPTM5
7.51E-198	-1.01563	0.007692	0.340599	1.62E-197	lightyellow	LCK
1.76E-197	-1.09836	0.182564	0.487213	3.77E-197	lightyellow	TRBC2
1.44E-196	-1.15443	0.008718	0.340222	3.06E-196	lightyellow	CD3D
2.53E-196	-0.68314	0.853333	0.378154	5.32E-196	lightyellow	CST3
9.71E-191	-0.91223	0.345641	0.588445	2.03E-190	lightyellow	SELL
6.28E-186	-0.73943	0.925128	0.802513	1.30E-185	lightyellow	CD99
4.87E-179	-0.83993	0.040513	0.349936	1.00E-178	lightyellow	ISG20
1.22E-178	-0.5084	0.999487	0.999176	2.48E-178	lightyellow	MALAT1
7.02E-177	-1.00981	0.128718	0.424359	1.42E-176	lightyellow	SLC2A3
2.94E-176	-0.8455	0.017949	0.324122	5.90E-176	lightyellow	ARL4C
3.04E-175	-0.89703	0.435385	0.591329	6.06E-175	lightyellow	9-Sep
6.92E-175	-0.92959	0.018462	0.322612	1.37E-174	lightyellow	SPOCK2
1.60E-174	-0.97415	0.326154	0.541451	3.14E-174	lightyellow	BTG1
5.18E-173	-1.46087	0.007692	0.308984	1.01E-172	lightyellow	IL7R
6.66E-172	-0.86968	0.012821	0.312828	1.29E-171	lightyellow	FCMR
1.08E-170	-0.87799	0.149231	0.438571	2.07E-170	lightyellow	BTG2
1.33E-170	-0.80347	0.151282	0.432907	2.52E-170	lightyellow	CYTIP
2.37E-168	-0.80276	0.273333	0.512581	4.48E-168	lightyellow	ANXA6

7.76E-165	-0.87202	0.182564	0.445745	1.46E-164	lightyellow	HLA-F
5.40E-159	-0.65259	0.071795	0.359514	1.01E-158	lightyellow	GLIPR1
7.40E-158	-0.77021	0.008205	0.289005	1.37E-157	lightyellow	IL10RA
2.44E-155	-0.85391	0.052821	0.331297	4.48E-155	lightyellow	SAMHD1
2.25E-153	-0.7902	0.017436	0.293296	4.09E-153	lightyellow	ZAP70
5.12E-153	-0.92347	0.65641	0.717037	9.26E-153	lightyellow	IER2
1.31E-152	-0.75024	0.520513	0.622739	2.36E-152	lightyellow	PSMB9
5.24E-152	-1.04268	0.686154	0.783083	9.34E-152	lightyellow	JUN
2.85E-145	-0.90143	0.006154	0.269026	5.04E-145	lightyellow	GZMM
2.24E-143	-0.81303	0.007692	0.268134	3.94E-143	lightyellow	CD3G
1.97E-141	-0.61588	0.057949	0.322852	3.45E-141	lightyellow	PDE4B
2.15E-138	-0.77468	0.020513	0.275926	3.72E-138	lightyellow	KLF2
1.19E-137	-2.31989	0.062564	0.32165	2.06E-137	lightyellow	NKG7
9.82E-137	-0.72042	0.144103	0.392949	1.68E-136	lightyellow	P2RY8
3.02E-136	-0.64971	0.989744	0.901823	5.14E-136	lightyellow	CD37
6.05E-136	-0.75678	0.421026	0.563489	1.02E-135	lightyellow	STK17B
1.68E-135	-0.6596	0.845641	0.768219	2.82E-135	lightyellow	GPSM3
1.99E-135	-0.78101	0.236923	0.453606	3.32E-135	lightyellow	1-Sep
1.84E-132	-0.93235	0.217436	0.446672	3.05E-132	lightyellow	GADD45B
7.60E-132	-0.87038	0.010769	0.255123	1.25E-131	lightyellow	CD247
5.41E-130	-0.71016	0.993846	0.900244	8.84E-130	lightyellow	SARAF
5.84E-130	-0.60494	0.101026	0.347911	9.48E-130	lightyellow	BIN1
3.59E-128	-1.51992	0.161026	0.394254	5.79E-128	lightyellow	LGALS1
4.75E-127	-0.93109	0.257949	0.467612	7.61E-127	lightyellow	AHNAK
8.12E-127	-0.88536	0.197949	0.42635	1.29E-126	lightyellow	DDIT4
3.76E-123	-0.81398	0.392821	0.536199	5.96E-123	lightyellow	CCND3
6.15E-123	-0.8192	0.083077	0.321856	9.68E-123	lightyellow	ID2
1.78E-120	-0.67509	0.66	0.652672	2.78E-120	lightyellow	CD44
2.62E-119	-1.10706	0.101026	0.345508	4.07E-119	lightyellow	AREG
1.99E-118	-1.30386	0.138462	0.360784	3.07E-118	lightyellow	S100A11
1.51E-115	-0.79472	0.081026	0.305482	2.32E-115	lightyellow	PIK3IP1
1.83E-113	-0.62863	0.114359	0.335862	2.79E-113	lightyellow	CYTH1
5.25E-113	-1.02087	0.852821	0.789674	7.97E-113	lightyellow	TXNIP
2.36E-111	-0.65057	0.151795	0.364388	3.57E-111	lightyellow	IL16
3.70E-111	-0.97408	0.374359	0.504651	5.56E-111	lightyellow	FYB1
3.91E-110	-0.56944	0.945641	0.904706	5.84E-110	lightyellow	VIM
1.18E-106	-0.89336	0.614359	0.668841	1.75E-106	lightyellow	KLF6
1.41E-106	-0.61116	0.807179	0.72349	2.08E-106	lightyellow	LCP1
3.19E-106	-0.66687	0.065128	0.279256	4.68E-106	lightyellow	LBH
6.16E-103	-0.62871	0.086667	0.29563	8.97E-103	lightyellow	CRIP1
1.00E-102	-1.45282	0.986667	0.914352	1.45E-102	lightyellow	CD74

8.34E-101	-0.59508	0.061026	0.268546	1.20E-100	lightyellow	PTPRE
3.26E-100	-0.80568	0.062051	0.266314	4.67E-100	lightyellow	NCF1
3.41E-100	-0.68493	0.062051	0.274244	4.86E-100	lightyellow	HOPX
9.64E-100	-0.68961	0.194359	0.381037	1.37E-99	lightyellow	RNF213
3.56E-94	-0.56445	0.742564	0.775943	5.01E-94	lightyellow	IFITM2
3.77E-90	-0.55692	0.801026	0.705091	5.28E-90	lightyellow	HCLS1
8.68E-89	-0.53043	0.138974	0.327074	1.21E-88	lightyellow	TRIM22
1.57E-88	-0.6041	0.091282	0.279805	2.18E-88	lightyellow	PRKCH
1.82E-85	-0.83078	0.346154	0.491779	2.52E-85	lightyellow	CD69
2.75E-84	-0.54165	0.842051	0.734063	3.77E-84	lightyellow	ITM2B
3.44E-84	-0.67657	0.087179	0.267481	4.69E-84	lightyellow	FLT3LG
2.18E-81	-0.63954	0.610769	0.614809	2.96E-81	lightyellow	MYH9
4.79E-81	-0.63033	0.163077	0.333562	6.46E-81	lightyellow	ADGRE5
7.00E-78	-0.56611	0.976923	0.888813	9.39E-78	lightyellow	MYL12A
1.19E-77	-0.68736	0.098462	0.271257	1.59E-77	lightyellow	ALOX5AP
1.47E-77	-1.89493	0.172821	0.335519	1.95E-77	lightyellow	TYROBP
2.77E-77	-0.71007	0.324615	0.435103	3.66E-77	lightyellow	TBC1D10C
1.97E-76	-0.70498	0.337436	0.449075	2.59E-76	lightyellow	VSIR
3.47E-75	-0.56668	0.142564	0.306306	4.54E-75	lightyellow	AKNA
9.42E-72	-0.73707	0.504615	0.533658	1.23E-71	lightyellow	RARRES3
2.38E-71	-0.57745	0.127692	0.287632	3.08E-71	lightyellow	MGAT4A
2.78E-70	-0.95225	0.240513	0.376781	3.59E-70	lightyellow	HLA-DQB1
5.28E-70	-0.59631	0.289744	0.411314	6.77E-70	lightyellow	ADD3
1.16E-68	-0.51351	0.131795	0.287117	1.47E-68	lightyellow	ANKRD44
1.05E-67	-0.54608	0.697436	0.624833	1.33E-67	lightyellow	RNASSET2
2.97E-66	-0.72126	0.453846	0.498747	3.75E-66	lightyellow	AES
4.39E-66	-0.5851	0.694872	0.636847	5.51E-66	lightyellow	CNN2
3.01E-65	-0.56126	0.198974	0.342419	3.77E-65	lightyellow	RCSD1
1.10E-63	-0.54894	0.182051	0.325598	1.37E-63	lightyellow	RNF125
1.59E-62	-0.67178	0.546154	0.544952	1.97E-62	lightyellow	EZR
3.76E-61	-0.6304	0.558462	0.551577	4.64E-61	lightyellow	ARHGEF1
5.47E-61	-0.53761	0.134359	0.284886	6.71E-61	lightyellow	CSF3R
3.06E-57	-0.63469	0.301026	0.396794	3.74E-57	lightyellow	TRAF3IP3
2.24E-55	-0.53305	0.223077	0.340668	2.72E-55	lightyellow	SLC38A1
4.69E-53	-0.61594	0.142564	0.271189	5.67E-53	lightyellow	TUBA4A
9.70E-51	-0.66318	0.375385	0.449212	1.17E-50	lightyellow	IRF1
6.13E-50	-0.74251	0.194872	0.307851	7.34E-50	lightyellow	ANXA2
3.66E-49	-0.54118	0.573333	0.56167	4.36E-49	lightyellow	ZFP36L2
3.79E-49	-0.56521	0.549744	0.529745	4.49E-49	lightyellow	CD53
1.07E-43	-0.60438	0.405641	0.442003	1.26E-43	lightyellow	PIK3R1
3.96E-43	-0.86748	0.808205	0.64234	4.66E-43	lightyellow	HLA-DPB1

1.03E-40	-1.45047	0.210769	0.302496	1.21E-40	lightyellow	CST7
3.85E-40	-0.55443	0.554359	0.522605	4.48E-40	lightyellow	CYBA
7.46E-39	-0.71664	0.287179	0.364423	8.64E-39	lightyellow	NR4A2
1.68E-35	-0.54441	0.329744	0.385019	1.93E-35	lightyellow	C1orf162
8.86E-35	-0.69232	0.323077	0.376403	1.02E-34	lightyellow	MAP3K8
9.01E-35	-0.51105	0.349744	0.392674	1.03E-34	lightyellow	CYFIP2
1.70E-34	-0.63371	0.330769	0.378463	1.94E-34	lightyellow	HERPUD1
9.38E-31	-0.65818	0.979487	0.817377	1.06E-30	lightyellow	SRGN
1.45E-30	-0.50244	0.413846	0.425286	1.64E-30	lightyellow	VAMP2
2.17E-28	-0.75016	0.64	0.550273	2.44E-28	lightyellow	DNAJB1
8.90E-28	-0.54846	0.644615	0.551268	9.95E-28	lightyellow	YPEL5
2.35E-27	-0.57757	0.501026	0.48275	2.61E-27	lightyellow	IFITM3
9.88E-25	-0.52143	0.554872	0.495417	1.09E-24	lightyellow	ARRB2
9.39E-24	-0.81998	0.858462	0.636985	1.04E-23	lightyellow	HLA-DPA1
1.86E-23	-0.66559	0.655385	0.547939	2.04E-23	lightyellow	LEPROTL1
1.04E-22	-0.51257	0.295897	0.331262	1.14E-22	lightyellow	EML4
1.85E-22	-0.7405	0.406667	0.424256	2.02E-22	lightyellow	DUSP1
2.32E-22	-0.73713	0.262564	0.310425	2.51E-22	lightyellow	HLA-DQA1
8.22E-20	-1.11465	0.451282	0.407126	8.88E-20	lightyellow	CD7
2.32E-17	-0.53968	0.449231	0.414061	2.50E-17	lightyellow	RIPOR2
3.47E-17	-1.04767	0.762564	0.613745	3.71E-17	lightyellow	SAT1
5.55E-16	-0.99301	0.862051	0.62624	5.92E-16	lightyellow	HLA-DRB1
1.21E-14	-0.67488	0.973333	0.813772	1.29E-14	lightyellow	S100A6
3.73E-14	-0.86852	0.544615	0.459442	3.95E-14	lightyellow	CTSS
5.09E-12	-1.16147	0.240513	0.258693	5.36E-12	lightyellow	FCER1G
2.54E-10	-0.50882	0.485128	0.41612	2.66E-10	lightyellow	IQGAP1
9.60E-10	-0.51866	0.571282	0.476091	1.00E-09	lightyellow	MCL1
4.45E-08	-0.56043	0.459487	0.408156	4.63E-08	lightyellow	NFKBIA
3.12E-07	-0.57287	0.692821	0.527548	3.23E-07	lightyellow	FLNA
3.30E-07	-0.54045	0.550769	0.369057	3.41E-07	lightyellow	LST1
5.96E-07	-0.94651	0.363077	0.248395	6.13E-07	lightyellow	IPLL1
1.84E-06	-0.81089	0.812308	0.566441	1.89E-06	lightyellow	HLA-DRB5
0.001249	-2.41803	0.272308	0.249528	0.001274	lightyellow	LYZ
0.030699	-0.51568	0.384615	0.29	0.031188	lightyellow	NAMPT
0	1.344948	0.964261	0.179296	0	midnightblue	SPINK2
0	1.301674	0.761738	0.05477	0	midnightblue	CRHBP
0	1.128936	0.485284	0.024126	0	midnightblue	AC011139.1
0	1.126654	0.813595	0.199915	0	midnightblue	H1FO
0	1.101975	0.870007	0.223297	0	midnightblue	FAM30A
0	1.053817	0.921514	0.214334	0	midnightblue	CD34
0	1.020416	0.892081	0.196408	0	midnightblue	SMIM24

0	1.017594	0.937281	0.242073	0	midnightblue	EGFL7
0	1.013516	0.804835	0.193396	0	midnightblue	TSC22D1
0	0.982326	0.71794	0.290963	0	midnightblue	AREG
0	0.956578	0.975123	0.537889	0	midnightblue	PRDX1
0	0.941173	0.998949	0.760903	0	midnightblue	ZFAS1
0	0.854932	0.82761	0.270769	0	midnightblue	GNA15
0	0.835832	0.989488	0.571439	0	midnightblue	SERPINB1
0	0.775537	0.999299	0.855812	0	midnightblue	HSP90AB1
0	0.761121	0.664331	0.109505	0	midnightblue	MDK
0	0.754147	0.934478	0.488291	0	midnightblue	CD164
0	0.750552	0.791521	0.241648	0	midnightblue	ANKRD28
0	0.738369	0.797828	0.183973	0	midnightblue	CYTL1
0	0.734197	0.788367	0.1929	0	midnightblue	IL18
0	0.723275	0.970217	0.504198	0	midnightblue	LAPTM4A
0	0.706198	0.431324	0.059517	0	midnightblue	BEX1
0	0.688984	0.949194	0.442413	0	midnightblue	IMPDH2
0	0.688943	0.886826	0.323874	0	midnightblue	DDAH2
0	0.684723	0.914506	0.420555	0	midnightblue	SYPL1
0	0.681761	0.873861	0.352925	0	midnightblue	CDK6
0	0.681341	1	0.906614	0	midnightblue	HINT1
0	0.677963	1	0.910476	0	midnightblue	NPM1
0	0.670005	0.940785	0.274772	0	midnightblue	PRSS57
0	0.652227	0.322355	0.01495	0	midnightblue	AVP
0	0.645439	0.99124	0.764481	0	midnightblue	EIF3E
0	0.63581	0.664681	0.129592	0	midnightblue	NPR3
0	0.621806	0.942537	0.511425	0	midnightblue	BST2
0	0.61828	0.977575	0.631027	0	midnightblue	SNHG8
0	0.607469	0.937631	0.611932	0	midnightblue	TUBA1A
0	0.602518	0.867554	0.308216	0	midnightblue	ITM2C
0	0.594794	1	0.997626	0	midnightblue	RPS4X
0	0.587836	0.840925	0.319517	0	midnightblue	AC084033.3
0	0.586408	0.953399	0.537818	0	midnightblue	APEX1
0	0.579606	0.659425	0.161689	0	midnightblue	ALDH1A1
0	0.576221	0.584793	0.103624	0	midnightblue	TFPI
0	0.564625	0.867204	0.319871	0	midnightblue	BEX3
0	0.55425	0.942887	0.535834	0	midnightblue	SELL
0	0.553147	1	0.991887	0	midnightblue	RACK1
0	0.546628	0.759986	0.248769	0	midnightblue	MSI2
0	0.539638	0.743518	0.225316	0	midnightblue	BEX2
0	0.537711	0.603714	0.132533	0	midnightblue	MSRB3
0	0.537643	1	0.99915	0	midnightblue	RPS24

0	0.536571	0.756482	0.349736	0	midnightblue	TPM4
0	0.53594	0.948493	0.452723	0	midnightblue	H2AFY
0	0.533052	0.544499	0.084423	0	midnightblue	PROM1
0	0.532558	0.480378	0.139193	0	midnightblue	AC020916.1
0	0.52948	0.707428	0.217877	0	midnightblue	MEST
0	0.528164	0.99965	0.963333	0	midnightblue	EEF2
0	0.526563	0.994394	0.882276	0	midnightblue	RPS2
0	0.525124	1	0.969887	0	midnightblue	BTF3
0	0.517712	0.597057	0.141035	0	midnightblue	SERPING1
0	0.516326	0.655571	0.188472	0	midnightblue	RAB13
0	0.5099	0.974422	0.62837	0	midnightblue	RSL1D1
0	0.505095	0.802383	0.331137	0	midnightblue	BZW2
0	0.504164	0.680799	0.160945	0	midnightblue	JUP
0	0.500967	0.882621	0.407943	0	midnightblue	SPINT2
0	-0.57109	0.946041	0.921671	0	midnightblue	TMA7
0	-0.59789	0.992292	0.976264	0	midnightblue	CFL1
0	-0.62129	0.970568	0.947072	0	midnightblue	ATP5F1E
0	-0.62395	0.979678	0.951075	0	midnightblue	MYL6
0	-0.66867	1	0.99961	0	midnightblue	ACTB
0	-0.73603	0.988437	0.97885	0	midnightblue	PFN1
0	-0.86206	0.878416	0.895951	0	midnightblue	MYL12A
0	-0.96371	0.983181	0.986538	0	midnightblue	HLA-A
0	-1.02127	0.103364	0.48241	0	midnightblue	CD48
0	-1.06583	0.688858	0.833812	0	midnightblue	CORO1A
0	-1.09373	1	0.999646	0	midnightblue	B2M
0	-1.16087	0.47267	0.676232	0	midnightblue	HCST
0	-1.18019	0.998248	0.997308	0	midnightblue	HLA-B
0	-1.21347	0.426419	0.6661	0	midnightblue	ITGB2
0	-1.21987	0.723196	0.90169	0	midnightblue	CALM1
0	-1.23139	0.994043	0.993163	0	midnightblue	HLA-C
0	-1.28051	0.083392	0.538244	0	midnightblue	FYB1
0	-1.28253	0.660827	0.807064	0	midnightblue	TXNIP
0	-1.31213	0.99965	0.998654	0	midnightblue	TMSB10
0	-1.32418	0.992992	0.993765	0	midnightblue	TMSB4X
0	-1.36526	0.29082	0.636235	0	midnightblue	CXCR4
0	-1.45279	0.614576	0.787083	0	midnightblue	JUNB
0	-1.63464	0.228802	0.646296	0	midnightblue	S100A10
0	-1.85378	0.748073	0.831438	0	midnightblue	S100A6
0	-1.92079	0.022074	0.439685	0	midnightblue	CD3E
0	-2.21172	0.006657	0.426755	0	midnightblue	IL32
5.09E-300	-1.17905	0.005606	0.351153	1.05E-299	midnightblue	CD3D

9.86E-296	-0.59325	0.969166	0.917349	2.02E-295	midnightblue	OAZ1
2.49E-291	-1.03033	0.012614	0.350763	5.03E-291	midnightblue	LCK
1.07E-288	-1.59731	0.101962	0.426259	2.13E-288	midnightblue	LTB
7.46E-288	-0.84935	0.761037	0.809084	1.48E-287	midnightblue	LSP1
2.08E-279	-0.77625	0.988087	0.966911	4.07E-279	midnightblue	SH3BGRL3
1.50E-270	-0.88542	0.022074	0.343324	2.90E-270	midnightblue	SAMHD1
3.82E-269	-0.89858	0.664681	0.738406	7.33E-269	midnightblue	EMP3
4.72E-268	-1.38731	0.12754	0.438445	8.94E-268	midnightblue	CD7
9.95E-262	-1.48706	0.006657	0.318737	1.87E-261	midnightblue	IL7R
1.06E-252	-0.55906	0.988087	0.979842	1.97E-252	midnightblue	UBC
5.55E-248	-0.82611	0.392782	0.600631	1.02E-247	midnightblue	9-Sep
1.58E-238	-0.83593	0.037842	0.331916	2.88E-238	midnightblue	ARL4C
6.28E-236	-0.90639	0.3185	0.54912	1.13E-235	midnightblue	BTG1
1.09E-233	-0.78239	0.010862	0.297729	1.94E-233	midnightblue	IL10RA
1.15E-232	-0.91523	0.321654	0.559783	2.03E-232	midnightblue	FLNA
2.45E-226	-1.45891	0.896636	0.803132	4.30E-226	midnightblue	S100A4
7.51E-222	-0.92134	0.003504	0.277713	1.30E-221	midnightblue	GZMM
1.77E-221	-0.83465	0.003153	0.276933	3.04E-221	midnightblue	CD3G
2.23E-218	-0.71848	0.017519	0.291955	3.80E-218	midnightblue	LAT
9.45E-217	0.832142	0.939033	0.695752	1.60E-216	midnightblue	FOS
1.07E-205	-0.8898	0.004905	0.263542	1.79E-205	midnightblue	CD247
5.37E-202	0.523793	0.383322	0.157296	8.91E-202	midnightblue	HSPA1B
2.88E-201	-0.77896	0.024527	0.284267	4.74E-201	midnightblue	ALOX5AP
2.84E-200	-0.78207	0.289068	0.516846	4.63E-200	midnightblue	AES
2.68E-199	-0.71258	0.187106	0.444043	4.33E-199	midnightblue	IQGAP1
1.66E-195	-0.97908	0.462509	0.598044	2.66E-195	midnightblue	EVL
1.01E-194	-0.92939	0.351086	0.537004	1.61E-194	midnightblue	LITAF
1.56E-194	-0.89218	0.074982	0.326638	2.46E-194	midnightblue	SPOCK2
4.33E-194	-0.83124	0.064471	0.317214	6.75E-194	midnightblue	FCMR
2.91E-189	-1.56649	0.066924	0.319977	4.50E-189	midnightblue	CST7
8.52E-188	-0.78858	0.225648	0.449818	1.31E-187	midnightblue	HLA-F
2.74E-184	-0.8849	0.237211	0.45832	4.16E-184	midnightblue	ZFP36L1
4.05E-183	-0.76732	0.055361	0.298296	6.10E-183	midnightblue	ZAP70
3.65E-180	-0.81863	0.077435	0.323343	5.45E-180	midnightblue	ANXA2
2.07E-172	-0.75976	0.123336	0.351472	3.07E-172	midnightblue	ISG20
2.60E-163	-0.88417	0.291871	0.493428	3.83E-163	midnightblue	MT2A
1.95E-161	-1.42017	0.18185	0.399617	2.85E-161	midnightblue	LGALS1
3.10E-156	-0.52478	0.11843	0.347079	4.49E-156	midnightblue	REEP5
9.99E-156	-0.55958	0.677996	0.714458	1.44E-155	midnightblue	HCLS1
3.37E-154	-0.62143	0.083742	0.302618	4.80E-154	midnightblue	CRIP1
3.24E-151	-0.65742	0.070778	0.285542	4.59E-151	midnightblue	LBH

1.36E-144	-0.65872	0.071128	0.282531	1.91E-144	midnightblue	TUBA4A
6.27E-144	-1.52728	0.522775	0.577993	8.74E-144	midnightblue	IFITM1
1.13E-141	-0.78677	0.755781	0.747192	1.56E-141	midnightblue	PTPRC
1.80E-138	-0.55791	0.794674	0.770893	2.48E-138	midnightblue	GP5M3
2.95E-137	-2.28429	0.122285	0.32391	4.02E-137	midnightblue	NKG7
1.66E-136	-0.73035	0.421163	0.537925	2.25E-136	midnightblue	CCND3
2.48E-136	-0.74809	0.113875	0.309349	3.34E-136	midnightblue	PIK3IP1
8.28E-134	-0.54978	0.71829	0.729798	1.10E-133	midnightblue	LCP1
2.06E-133	-1.29923	0.078136	0.275693	2.73E-133	midnightblue	FCER1G
3.76E-131	-0.5182	0.902943	0.832501	4.94E-131	midnightblue	LIMD2
6.02E-129	-0.57476	0.123686	0.323059	7.85E-129	midnightblue	GNG2
1.78E-127	-0.68366	0.205326	0.392674	2.31E-127	midnightblue	HERPUD1
1.24E-126	-0.77706	0.081289	0.270911	1.60E-126	midnightblue	NCF1
2.66E-120	-0.55156	0.071128	0.256669	3.40E-120	midnightblue	CDC25B
5.33E-118	-0.59801	0.688858	0.701243	6.77E-118	midnightblue	UCP2
2.74E-117	-0.65596	0.093203	0.272647	3.45E-117	midnightblue	FLT3LG
2.37E-113	-0.61994	0.094954	0.276579	2.97E-113	midnightblue	KLF2
6.30E-110	-0.76828	0.269096	0.419634	7.84E-110	midnightblue	SLC2A3
4.71E-109	-0.55524	0.405746	0.524179	5.82E-109	midnightblue	PAXX
1.01E-104	-0.52936	0.983181	0.943281	1.24E-104	midnightblue	HLA-E
1.49E-98	-0.57588	0.564471	0.61962	1.81E-98	midnightblue	MYH9
1.36E-95	-0.54284	0.18185	0.343182	1.64E-95	midnightblue	SELPLG
1.74E-95	-0.54467	0.184303	0.343678	2.09E-95	midnightblue	EML4
2.36E-95	-0.5373	0.139103	0.30198	2.81E-95	midnightblue	PPP2R5C
3.29E-90	-0.58222	0.244919	0.381904	3.91E-90	midnightblue	RNF213
1.32E-89	-0.75908	0.374562	0.477557	1.55E-89	midnightblue	TRBC2
1.81E-89	-0.57911	0.470217	0.530095	2.13E-89	midnightblue	CYBA
1.34E-85	-0.87453	0.322355	0.431714	1.56E-85	midnightblue	TNFAIP3
7.92E-81	-0.60627	0.340575	0.437028	9.17E-81	midnightblue	TBC1D10C
3.41E-78	-2.51385	0.123686	0.263825	3.92E-78	midnightblue	LYZ
3.68E-78	-0.51323	0.204275	0.333865	4.20E-78	midnightblue	CYTH1
3.42E-75	-0.57909	0.359145	0.448188	3.88E-75	midnightblue	1-Sep
1.48E-69	-0.51432	0.16398	0.289085	1.67E-69	midnightblue	MGAT4A
2.63E-68	-0.50009	0.482481	0.551352	2.95E-68	midnightblue	EZR
3.35E-68	-1.81837	0.225298	0.335424	3.74E-68	midnightblue	TYROBP
2.61E-67	-1.12861	0.251927	0.356432	2.90E-67	midnightblue	S100A11
2.85E-67	-0.7277	0.934128	0.772062	3.15E-67	midnightblue	CD52
2.45E-65	-0.52377	0.520673	0.555178	2.68E-65	midnightblue	ARHGEF1
9.82E-65	-0.54141	0.344078	0.422432	1.07E-64	midnightblue	CYTIP
1.86E-63	-0.55701	0.323756	0.443264	2.01E-63	midnightblue	GADD45B
2.88E-63	-0.54109	0.971969	0.899458	3.09E-63	midnightblue	SARAF

6.41E-63	-0.55309	0.30939	0.399015	6.86E-63	midnightblue	TRAF3IP3
3.12E-60	-0.53396	0.295025	0.385659	3.32E-60	midnightblue	P2RY8
1.01E-54	-0.62654	0.476524	0.512275	1.07E-54	midnightblue	NOSIP
5.60E-48	-0.66426	0.548353	0.556666	5.88E-48	midnightblue	DNAJB1
6.11E-43	-0.64367	0.426069	0.457328	6.39E-43	midnightblue	AHNAK
1.47E-35	-0.60707	0.580238	0.552096	1.52E-35	midnightblue	LEPROTL1
1.18E-29	-0.93625	0.660827	0.619265	1.22E-29	midnightblue	SAT1
8.11E-27	-1.11311	0.62719	0.385801	8.34E-27	midnightblue	CST3
6.84E-21	-0.61768	0.813945	0.681015	6.99E-21	midnightblue	PSAP
2.06E-15	-0.52133	0.808339	0.539129	2.09E-15	midnightblue	CTSW
4.86E-15	-0.73521	0.420813	0.408793	4.92E-15	midnightblue	TIMP1
7.04E-05	-0.50324	0.87281	0.666773	7.08E-05	midnightblue	TSPO
0.001881	-0.70496	0.544849	0.45669	0.001881	midnightblue	CTSS
0	1.52706	0.522064	0.108315	0	brown	MPO
0	1.410424	0.974881	0.453019	0	brown	STMN1
0	1.409407	0.727088	0.10818	0	brown	IRF8
0	1.346738	0.477936	0.046339	0	brown	JCHAIN
0	1.315912	0.756959	0.144083	0	brown	PLD4
0	1.205831	0.938221	0.330789	0	brown	ITM2C
0	1.199952	0.761032	0.230444	0	brown	IGLL1
0	1.193864	0.968092	0.647055	0	brown	TUBA1B
0	1.193147	0.851324	0.222947	0	brown	NREP
0	1.167738	0.925322	0.366185	0	brown	SOX4
0	1.139997	0.724372	0.146683	0	brown	UHRF1
0	1.091778	0.947047	0.608889	0	brown	TUBB
0	1.073716	0.458248	0.056302	0	brown	DNTT
0	1.058845	0.864902	0.47933	0	brown	PLAC8
0	1.041943	0.989138	0.849433	0	brown	HMG2
0	1.019154	0.949762	0.598115	0	brown	H2AFZ
0	1.006836	0.611677	0.174784	0	brown	IGHM
0	0.982843	0.999321	0.971629	0	brown	ACTG1
0	0.857858	0.830278	0.306471	0	brown	LAT2
0	0.846646	0.727088	0.227709	0	brown	SPINK2
0	0.834255	0.998642	0.916171	0	brown	HMGB1
0	0.828419	0.964019	0.654012	0	brown	VAMP8
0	0.82731	0.873727	0.346156	0	brown	FABP5
0	0.794568	0.961982	0.53749	0	brown	NUCB2
0	0.762002	0.75017	0.152324	0	brown	SPNS3
0	0.74774	0.708079	0.239834	0	brown	TCF4
0	0.746586	0.997284	0.724433	0	brown	GSTP1
0	0.733867	0.704684	0.176169	0	brown	ADA

0	0.732466	0.446707	0.025128	0	brown	KCNE5
0	0.724355	0.933469	0.476594	0	brown	H2AFY
0	0.690378	0.76239	0.235308	0	brown	SMIM24
0	0.684057	0.57909	0.067651	0	brown	BLNK
0	0.671054	0.334691	0.019049	0	brown	ACY3
0	0.668961	0.549898	0.097913	0	brown	RNASE6
0	0.66414	0.875085	0.39263	0	brown	NASP
0	0.641349	0.98167	0.688463	0	brown	NAP1L1
0	0.635303	0.976918	0.739429	0	brown	SLC25A5
0	0.627416	0.999321	0.96913	0	brown	GAPDH
0	0.621989	0.776646	0.293873	0	brown	CAPG
0	0.620563	0.631365	0.180053	0	brown	MZB1
0	0.616691	0.863544	0.387429	0	brown	RNASEH2B
0	0.613369	0.608282	0.099027	0	brown	FLT3
0	0.571428	0.826205	0.343218	0	brown	NUDT1
0	0.566073	0.404616	0.056775	0	brown	IL3RA
0	0.562774	0.500339	0.075892	0	brown	RUNX2
0	0.562354	0.607604	0.187821	0	brown	C12orf75
0	0.557984	0.602172	0.163604	0	brown	GSN
0	0.551904	0.419552	0.039111	0	brown	LGMN
0	0.533812	0.720978	0.265367	0	brown	LAIR1
0	0.52693	1	0.914854	0	brown	CD74
0	0.523832	1	0.999189	0	brown	PTMA
0	0.512767	0.997963	0.973386	0	brown	PPIA
0	-1.13097	0.895451	0.949507	0	brown	HLA-E
5.18E-297	0.618224	0.811127	0.353891	1.62E-296	brown	DDAH2
2.15E-296	1.135489	0.73184	0.310186	6.61E-296	brown	AREG
9.79E-286	0.645746	0.967413	0.684714	2.95E-285	brown	SEC61B
4.92E-283	0.600574	0.95112	0.630944	1.46E-282	brown	HMGN1
2.22E-281	0.58743	0.978955	0.56809	6.47E-281	brown	TXN
5.32E-277	-0.67731	0.997963	0.994427	1.52E-276	brown	RPS27
2.61E-269	0.598073	0.835709	0.415766	7.34E-269	brown	IDH2
5.16E-267	-1.327	0.513917	0.800527	1.43E-266	brown	CD52
3.25E-266	0.54813	0.745418	0.302148	8.85E-266	brown	MCM7
1.29E-265	0.532787	0.63408	0.235409	3.45E-265	brown	APP
9.26E-264	0.790607	0.777325	0.359835	2.45E-263	brown	LGALS1
4.70E-261	0.51353	0.356415	0.087443	1.22E-260	brown	MKI67
5.56E-253	0.600178	0.59131	0.220346	1.42E-252	brown	PCNA
2.17E-242	0.592906	0.986422	0.842272	5.48E-242	brown	PPIB
1.38E-238	0.586559	0.383571	0.107201	3.44E-238	brown	NUSAP1
4.43E-238	0.63482	0.900204	0.594569	1.09E-237	brown	DBI

2.60E-232	0.54292	0.787508	0.313463	6.27E-232	brown	PRSS57
1.61E-221	-1.72348	0.577733	0.78087	3.83E-221	brown	JUNB
3.88E-221	-1.82166	0.203666	0.591293	9.11E-221	brown	IFITM1
9.33E-208	0.583118	0.898167	0.556539	2.16E-207	brown	NUCKS1
5.11E-205	-0.83007	0.976239	0.986727	1.17E-204	brown	HLA-A
2.46E-196	0.59149	0.855397	0.529958	5.55E-196	brown	PLP2
3.96E-195	0.750258	0.314325	0.086092	8.80E-195	brown	UBE2C
1.93E-194	0.505049	0.505771	0.195961	4.23E-194	brown	CKS1B
2.12E-192	0.501079	0.405974	0.13395	4.59E-192	brown	CENPF
3.85E-190	0.556994	0.89002	0.520501	8.24E-190	brown	DUT
7.09E-189	-2.14144	0.015614	0.406714	1.50E-188	brown	IL32
1.55E-185	0.562582	0.305499	0.084234	3.22E-185	brown	TOP2A
8.03E-178	-0.56003	0.947726	0.927722	1.66E-177	brown	TOMM7
3.55E-171	0.517812	0.849287	0.514895	7.24E-171	brown	SIVA1
2.41E-170	-0.51932	0.995927	0.999358	4.86E-170	brown	MALAT1
6.99E-163	-0.67685	0.911066	0.927553	1.39E-162	brown	LAPTM5
1.78E-159	0.503466	0.942295	0.695893	3.50E-159	brown	HSP90B1
1.57E-152	-1.13162	0.709437	0.797825	3.05E-152	brown	TXNIP
2.77E-152	0.594669	0.588595	0.280195	5.33E-152	brown	CLEC11A
2.37E-151	-0.94676	0.626612	0.754019	4.50E-151	brown	PTPRC
1.19E-148	-0.82672	0.989817	0.993414	2.24E-148	brown	HLA-C
5.66E-148	-0.70809	1	0.999662	1.05E-147	brown	B2M
8.66E-146	-1.14326	0.010183	0.334808	1.59E-145	brown	CD3D
1.05E-142	0.749633	0.922607	0.670224	1.91E-142	brown	HMGB2
1.76E-142	-1.46917	0.74406	0.827749	3.16E-142	brown	S100A6
1.64E-141	-0.70783	0.995927	0.997467	2.92E-141	brown	HLA-B
1.30E-137	0.542596	0.721656	0.389489	2.29E-137	brown	TUBB4B
3.78E-137	0.515621	0.691785	0.357201	6.59E-137	brown	MAP3K8
1.44E-133	-0.64624	0.798371	0.840989	2.48E-133	brown	LIMD2
1.62E-115	-0.84281	0.176511	0.451027	2.77E-115	brown	ZFP36L1
1.21E-113	-0.80496	0.031908	0.30431	2.04E-113	brown	PIK3IP1
4.67E-113	-0.77565	0.769857	0.774048	7.82E-113	brown	IFITM2
1.12E-112	-1.1612	0.151392	0.422757	1.86E-112	brown	CD7
2.18E-112	-1.1213	0.180584	0.433667	3.57E-112	brown	TNFAIP3
3.56E-112	-0.86045	0.044807	0.316401	5.79E-112	brown	SPOCK2
4.05E-111	-0.9412	0.394433	0.618583	6.52E-111	brown	S100A10
6.59E-109	-1.55376	0.174474	0.412625	1.05E-108	brown	CD3E
4.86E-108	-0.88867	0.006789	0.26476	7.68E-108	brown	GZMM
2.23E-107	-0.79843	0.006789	0.263983	3.49E-107	brown	CD3G
2.33E-106	0.579789	0.518669	0.27094	3.62E-106	brown	FAM30A
6.45E-105	-0.86293	0.695859	0.306877	9.90E-105	brown	TYROBP

9.46E-105	-0.69459	0.023761	0.278844	1.44E-104	brown	LAT
4.18E-97	-0.85594	0.012899	0.251081	6.31E-97	brown	CD247
4.71E-95	-0.88613	0.094365	0.330924	7.05E-95	brown	LCK
1.05E-92	-0.59404	0.021724	0.254289	1.56E-92	brown	SKAP1
7.00E-92	-0.86633	0.267481	0.493346	1.03E-91	brown	CD69
8.45E-92	-0.86928	0.687712	0.781444	1.23E-91	brown	JUN
2.24E-89	-0.59348	0.867617	0.909315	3.24E-89	brown	CD37
9.97E-88	-0.77661	0.371351	0.535734	1.43E-87	brown	BTG1
1.29E-87	-0.71606	0.115411	0.341225	1.83E-87	brown	ISG20
3.54E-86	-0.57053	0.201629	0.421373	4.99E-86	brown	TNFRSF14
9.38E-86	-0.62804	0.921928	0.90533	1.31E-85	brown	SARAF
3.79E-78	-0.85806	0.421589	0.562584	5.25E-78	brown	DNAJB1
7.64E-78	-0.83793	0.224711	0.41482	1.05E-77	brown	SLC2A3
1.97E-77	-0.6336	0.066531	0.275736	2.68E-77	brown	LBH
1.16E-69	-0.65742	0.389681	0.538908	1.56E-69	brown	RARRES3
1.73E-68	-0.58621	0.328581	0.492772	2.32E-68	brown	BIN2
5.95E-66	-0.67224	0.082145	0.268745	7.92E-66	brown	KLF2
4.17E-65	-0.66921	0.101154	0.284687	5.51E-65	brown	ZAP70
5.60E-64	-0.64291	0.082824	0.264793	7.34E-64	brown	FLT3LG
5.52E-63	-0.69831	0.297352	0.435794	7.17E-63	brown	HLA-F
1.10E-57	0.840844	0.820095	0.584133	1.41E-57	brown	HIST1H4C
3.95E-56	-0.7351	0.528853	0.588422	5.06E-56	brown	EVL
8.60E-56	-0.60146	0.293958	0.434849	1.09E-55	brown	TBC1D10C
9.83E-56	-0.69731	0.3537	0.452276	1.24E-55	brown	CD48
1.29E-54	-0.55398	0.111337	0.27577	1.62E-54	brown	PRKCH
7.76E-54	-0.72471	0.205703	0.367232	9.64E-54	brown	NR4A2
3.82E-51	-0.55104	0.470468	0.551574	4.71E-51	brown	STK4
2.61E-50	-0.54716	0.996606	0.993988	3.19E-50	brown	FTL
2.08E-48	-0.69907	0.497624	0.557518	2.53E-48	brown	LEPROTL1
2.14E-48	-1.0755	0.145961	0.297251	2.59E-48	brown	IL7R
5.13E-48	-0.7527	0.467753	0.522528	6.15E-48	brown	LITAF
1.27E-47	-0.56809	0.116768	0.2704	1.51E-47	brown	TUBA4A
3.72E-45	-0.58306	0.369314	0.489597	4.40E-45	brown	IFITM3
1.69E-44	-0.55534	0.757637	0.730343	1.99E-44	brown	EMP3
4.28E-44	-0.73844	0.441276	0.499223	4.99E-44	brown	FYB1
1.16E-43	-0.62215	0.14664	0.277594	1.34E-43	brown	IL10RA
2.75E-39	-1.62018	0.55465	0.292995	3.16E-39	brown	NKG7
4.01E-38	-0.5662	0.339443	0.419008	4.58E-38	brown	CYTIP
8.72E-37	-0.97801	0.899525	0.807349	9.90E-37	brown	S100A4
1.73E-33	-1.17295	0.182621	0.302418	1.95E-33	brown	CST7
4.35E-32	-0.68199	0.750849	0.690354	4.87E-32	brown	PSAP

1.08E-31	-0.63654	0.290563	0.40175	1.20E-31	brown	LTB
1.23E-31	-0.56961	0.460964	0.49767	1.36E-31	brown	AES
6.95E-31	-0.59683	0.201629	0.298602	7.62E-31	brown	FCMR
1.57E-29	-0.54475	0.351663	0.423838	1.71E-29	brown	BTG2
1.92E-26	-0.53883	0.863544	0.816333	2.09E-26	brown	TSC22D3
8.36E-23	-0.66606	0.704684	0.641077	9.00E-23	brown	ITGB2
1.94E-20	-0.58071	0.442634	0.476527	2.07E-20	brown	MT2A
7.59E-20	-0.71129	0.632722	0.605748	8.07E-20	brown	NEAT1
4.64E-18	-0.51482	0.534963	0.538064	4.91E-18	brown	FLNA
1.39E-16	-0.75731	0.801765	0.703627	1.46E-16	brown	ZFP36
2.27E-13	-0.53394	0.392396	0.412321	2.36E-13	brown	NFKBIA
1.58E-11	-0.96352	0.334012	0.347474	1.64E-11	brown	S100A11
4.29E-09	-0.53485	0.260692	0.29769	4.42E-09	brown	NAMPT
2.55E-06	-0.58808	0.441955	0.422217	2.62E-06	brown	DUSP1
1.70E-05	-0.85609	0.724372	0.618042	1.73E-05	brown	SAT1
0	2.417921	0.67374	0.069268	0	salmon	MPO
0	2.090525	0.30305	0.022448	0	salmon	PRTN3
0	1.77073	0.378647	0.040834	0	salmon	AZU1
0	1.700717	0.285146	0.0217	0	salmon	ELANE
0	1.567446	0.993037	0.265313	0	salmon	PRSS57
0	1.250656	0.957891	0.18532	0	salmon	SMIM24
0	1.225052	0.788462	0.24176	0	salmon	CLEC11A
0	1.181894	0.929377	0.178514	0	salmon	SPINK2
0	1.174234	0.770889	0.282808	0	salmon	AREG
0	1.159933	0.9937	0.688758	0	salmon	CALR
0	1.084294	0.918435	0.215179	0	salmon	MGST1
0	0.997581	0.98508	0.627579	0	salmon	TUBA1B
0	0.971677	0.988064	0.511349	0	salmon	NUCB2
0	0.938782	0.95126	0.308819	0	salmon	FABP5
0	0.898749	0.988395	0.422875	0	salmon	STMN1
0	0.894635	0.552056	0.038803	0	salmon	CTSG
0	0.888148	0.996021	0.568324	0	salmon	SERPINB1
0	0.868508	0.983753	0.575129	0	salmon	H2AFZ
0	0.865723	0.850464	0.191662	0	salmon	IGLL1
0	0.858168	1	0.967397	0	salmon	GAPDH
0	0.818626	0.697281	0.155532	0	salmon	EREG
0	0.818394	0.995027	0.697773	0	salmon	ENO1
0	0.806023	0.568966	0.084661	0	salmon	RNASE2
0	0.802762	0.950597	0.402922	0	salmon	CAT
0	0.796795	0.691645	0.072403	0	salmon	CPA3
0	0.784106	0.966844	0.491929	0	salmon	DUT

0	0.783593	0.971817	0.437057	0	salmon	IMPDH2
0	0.76333	0.966844	0.302975	0	salmon	AC084033.3
0	0.763078	0.975133	0.649742	0	salmon	GYPC
0	0.749455	0.963528	0.475539	0	salmon	HSPB1
0	0.748953	0.967838	0.588063	0	salmon	TUBB
0	0.74319	0.999668	0.881062	0	salmon	RPS2
0	0.728118	0.936008	0.309318	0	salmon	BEX3
0	0.722189	0.998674	0.709282	0	salmon	GSTP1
0	0.718256	0.975464	0.482273	0	salmon	HSPD1
0	0.707129	0.934682	0.343381	0	salmon	CDK6
0	0.704697	0.992374	0.544058	0	salmon	TXN
0	0.698652	0.988727	0.671584	0	salmon	NAP1L1
0	0.675755	0.878316	0.244397	0	salmon	EGFL7
0	0.653964	0.847812	0.266774	0	salmon	MCM7
0	0.650239	0.767905	0.177944	0	salmon	CDCA7
0	0.648962	0.846817	0.265491	0	salmon	GNA15
0	0.648308	1	0.854908	0	salmon	HSP90AB1
0	0.622533	0.997679	0.808587	0	salmon	MIF
0	0.621949	0.900531	0.309033	0	salmon	CDK4
0	0.621649	0.915119	0.361803	0	salmon	NASP
0	0.620657	0.956897	0.537324	0	salmon	PRDX1
0	0.617374	0.997347	0.840869	0	salmon	HMG2
0	0.602325	0.854775	0.213184	0	salmon	CSF3R
0	0.601139	0.820955	0.221058	0	salmon	CD34
0	0.594831	0.987069	0.634491	0	salmon	VAMP8
0	0.58971	0.854111	0.258186	0	salmon	ARMH1
0	0.582899	0.999668	0.906111	0	salmon	HINT1
0	0.578796	0.907493	0.300695	0	salmon	ITM2C
0	0.571093	1	0.994833	0	salmon	RPLP0
0	0.567246	0.989721	0.684732	0	salmon	RAN
0	0.562402	0.991379	0.578336	0	salmon	TALDO1
0	0.557447	0.602454	0.102975	0	salmon	AC002454.1
0	0.551211	0.987401	0.629396	0	salmon	RPL22L1
0	0.550506	0.999005	0.910066	0	salmon	NPM1
0	0.546791	0.866048	0.292143	0	salmon	HMGA1
0	0.536094	0.967175	0.501158	0	salmon	SNRPD1
0	0.530658	0.849801	0.3199	0	salmon	RANBP1
0	0.524332	0.644231	0.085765	0	salmon	SPARC
0	0.520702	0.791777	0.238446	0	salmon	ANKRD28
0	0.519292	0.687003	0.123285	0	salmon	PHGDH
0	0.515778	0.873011	0.323927	0	salmon	AHCY

0	0.514398	0.772215	0.224906	0	salmon	ISYNA1
0	0.509261	0.913462	0.418671	0	salmon	PDIA6
0	0.508314	0.947613	0.417887	0	salmon	COMT
0	0.501165	0.958554	0.470479	0	salmon	OSTC
0	0.500393	0.972812	0.533333	0	salmon	APEX1
0	-0.52953	0.999337	0.996615	0	salmon	EIF1
0	-0.60019	0.999337	0.994085	0	salmon	RPS27
0	-0.60363	0.924403	0.873223	0	salmon	YWHAZ
0	-0.61628	0.918435	0.902369	0	salmon	DAZAP2
0	-0.75482	0.985743	0.980046	0	salmon	UBC
0	-0.78386	0.854775	0.837271	0	salmon	LIMD2
0	-0.81619	0.931034	0.904792	0	salmon	CD37
0	-0.88009	0.706897	0.780189	0	salmon	GPSM3
0	-0.88358	0.930371	0.90351	0	salmon	SARAF
0	-0.89683	0.988064	0.966791	0	salmon	SH3BGRL3
0	-0.90269	0.998342	0.999287	0	salmon	MALAT1
0	-0.93731	0.920424	0.891538	0	salmon	MYL12A
0	-0.93827	0.988395	0.985997	0	salmon	HLA-A
0	-0.9502	0.892905	0.930412	0	salmon	LAPTM5
0	-0.96228	0.831897	0.819277	0	salmon	CORO1A
0	-1.01862	0.877984	0.886086	0	salmon	CALM1
0	-1.03122	1	0.99861	0	salmon	TMSB10
0	-1.03866	0.01061	0.352931	0	salmon	LCK
0	-1.11039	0.999337	0.993087	0	salmon	TMSB4X
0	-1.13003	0.765584	0.824265	0	salmon	TSC22D3
0	-1.14168	1	0.999644	0	salmon	B2M
0	-1.16015	0.597812	0.746018	0	salmon	EMP3
0	-1.18678	0.636605	0.75995	0	salmon	PTPRC
0	-1.18884	0.001658	0.353572	0	salmon	CD3D
0	-1.19667	0.366048	0.609193	0	salmon	EVL
0	-1.21291	0.996353	0.997506	0	salmon	HLA-B
0	-1.24944	0.993369	0.99323	0	salmon	HLA-C
0	-1.2688	0.905836	0.951363	0	salmon	HLA-E
0	-1.34616	0.751989	0.7907	0	salmon	CD52
0	-1.56261	0.628979	0.811331	0	salmon	TXNIP
0	-1.64108	0.871021	0.805345	0	salmon	S100A4
0	-1.69728	0.038793	0.434919	0	salmon	LTB
0	-1.78625	0.313329	0.639622	0	salmon	S100A10
0	-1.86217	0.814655	0.824764	0	salmon	S100A6
0	-1.86864	0.639589	0.785391	0	salmon	JUNB
0	-1.93585	0.023541	0.441938	0	salmon	CD3E

0	-2.22731	0.002984	0.429574	0	salmon	IL32
3.00E-280	-1.49107	0.004973	0.32072	6.05E-280	salmon	IL7R
2.58E-278	-1.22526	0.600133	0.7199	5.17E-278	salmon	ZFP36
1.25E-275	-0.93885	0.327255	0.548691	2.47E-275	salmon	CCND3
1.39E-271	-1.1267	0.283156	0.519401	2.73E-271	salmon	FYB1
4.71E-263	-0.99852	0.190318	0.464636	9.17E-263	salmon	ZFP36L1
2.03E-262	-0.89416	0.445955	0.596116	3.92E-262	salmon	9-Sep
5.06E-257	-1.17478	0.496353	0.616141	9.68E-257	salmon	CXCR4
6.84E-250	-1.39619	0.165119	0.436202	1.30E-249	salmon	CD7
1.16E-248	-0.87899	0.032162	0.322145	2.18E-248	salmon	FCMR
1.15E-241	-0.84359	0.048077	0.332514	2.14E-241	salmon	ARL4C
1.16E-241	-0.85003	0.034483	0.319009	2.14E-241	salmon	PIK3IP1
1.03E-239	-0.84001	0	0.278853	1.88E-239	salmon	CD3G
2.92E-238	-0.92629	0.001658	0.279494	5.31E-238	salmon	GZMM
5.70E-238	-0.83386	0.079244	0.357527	1.03E-237	salmon	ISG20
5.62E-235	-1.20918	0.19695	0.445822	1.01E-234	salmon	TNFAIP3
2.64E-223	-0.7768	0.029509	0.297381	4.69E-223	salmon	IL10RA
1.76E-222	-0.71874	0.024536	0.292785	3.10E-222	salmon	LAT
3.01E-220	-0.92115	0.064655	0.3292	5.26E-220	salmon	SPOCK2
2.96E-219	-0.82052	0.07195	0.339818	5.13E-219	salmon	SAMHD1
1.25E-212	-1.71802	0.489058	0.581935	2.15E-212	salmon	IFITM1
1.80E-212	-0.89277	0.009284	0.264564	3.08E-212	salmon	CD247
5.49E-208	-0.91001	0.270889	0.466595	9.30E-208	salmon	CD48
2.00E-207	-0.75259	0.880968	0.796472	3.34E-207	salmon	LSP1
2.00E-207	-0.92	0.394231	0.542312	3.34E-207	salmon	BTG1
4.44E-198	-1.07578	0.636273	0.644931	7.35E-198	salmon	ITGB2
3.87E-194	-0.8448	0.034151	0.277071	6.36E-194	salmon	NCF1
2.24E-188	-0.78193	0.061671	0.29902	3.65E-188	salmon	ZAP70
7.03E-181	-1.00966	0.679708	0.655158	1.14E-180	salmon	HCST
7.83E-180	-0.7578	0.051061	0.282345	1.26E-179	salmon	KLF2
7.00E-168	-0.80592	0.274536	0.445858	1.12E-167	salmon	HLA-F
1.62E-165	-0.59316	0.759947	0.705861	2.57E-165	salmon	HCLS1
2.27E-161	-0.68732	0.072613	0.286585	3.58E-161	salmon	LBH
2.42E-159	-0.78026	0.375	0.508926	3.79E-159	salmon	AES
3.89E-153	-0.9263	0.255637	0.421949	6.04E-153	salmon	SLC2A3
4.96E-152	-0.69492	0.765252	0.693105	7.64E-152	salmon	UCP2
7.73E-151	-0.71793	0.072281	0.280634	1.18E-150	salmon	ALOX5AP
1.06E-140	-0.73692	0.299403	0.44201	1.61E-140	salmon	TBC1D10C
2.03E-140	-0.56395	0.138594	0.333405	3.07E-140	salmon	SLC44A2
1.97E-131	-0.6925	0.089523	0.274078	2.96E-131	salmon	FLT3LG
5.08E-130	-0.57934	0.07626	0.261215	7.56E-130	salmon	SKAP1

4.28E-128	-0.61582	0.119363	0.300053	6.34E-128	salmon	CRIP1
5.39E-127	-0.89463	0.478448	0.52439	7.92E-127	salmon	LITAF
1.50E-125	-0.6807	0.514589	0.556031	2.19E-125	salmon	ARHGEF1
2.06E-125	-0.85484	0.783488	0.68352	2.99E-125	salmon	PSAP
4.20E-122	-0.65184	0.503647	0.552467	6.05E-122	salmon	STK4
3.98E-121	-0.66757	0.104111	0.280207	5.70E-121	salmon	TUBA4A
3.63E-111	-0.64224	0.628979	0.613006	5.17E-111	salmon	MYH9
2.92E-110	-0.59492	0.160146	0.320292	4.12E-110	salmon	GNG2
1.93E-108	-0.75304	0.319297	0.431285	2.72E-108	salmon	BTG2
8.01E-103	-0.77689	0.324934	0.443827	1.12E-102	salmon	GADD45B
4.84E-100	-0.50469	0.844164	0.729735	6.71E-100	salmon	ITM2B
1.40E-98	-0.64766	0.320955	0.42651	1.92E-98	salmon	RIPOR2
4.37E-96	-0.68233	0.373342	0.447176	5.98E-96	salmon	1-Sep
6.37E-93	-0.59769	0.245358	0.362409	8.67E-93	salmon	IL16
1.16E-92	-0.57252	0.204244	0.334616	1.57E-92	salmon	CYTH1
1.47E-90	-0.65738	0.344828	0.422804	1.98E-90	salmon	CYTIP
2.28E-86	-1.26973	0.134615	0.270764	3.05E-86	salmon	FCER1G
3.98E-84	-0.79865	0.553714	0.556138	5.29E-84	salmon	DNAJB1
2.62E-83	-0.51854	0.980769	0.561447	3.46E-83	salmon	HLA-DRA
3.48E-82	-0.52842	0.171088	0.300695	4.58E-82	salmon	ATM
1.99E-81	-0.55836	0.528846	0.542811	2.59E-81	salmon	RSRP1
6.33E-81	-0.63955	0.314324	0.399002	8.22E-81	salmon	TRAF3IP3
1.20E-80	-0.58162	0.154841	0.280135	1.54E-80	salmon	PRKCH
1.08E-76	-0.57508	0.572281	0.552646	1.39E-76	salmon	STK17B
1.34E-75	-0.82079	0.41943	0.458222	1.72E-75	salmon	AHNAK
1.47E-75	-0.55565	0.522546	0.524853	1.87E-75	salmon	ANKRD12
9.58E-72	-0.54097	0.241048	0.343666	1.21E-71	salmon	RBL2
1.45E-67	-0.73238	0.589854	0.5509	1.82E-67	salmon	LEPROTL1
1.73E-65	-0.50874	0.252984	0.34641	2.16E-65	salmon	CDC42SE1
2.08E-64	-0.5214	0.196618	0.301514	2.58E-64	salmon	KIAA1551
6.79E-64	-0.66461	0.345159	0.419205	8.37E-64	salmon	DDIT4
4.43E-61	-0.59652	0.379642	0.424835	5.43E-61	salmon	IQGAP1
5.97E-58	-0.56832	0.596154	0.552931	7.28E-58	salmon	YPEL5
1.14E-56	-0.6562	0.58057	0.526599	1.39E-56	salmon	RARRES3
3.93E-56	-0.51573	0.258621	0.339426	4.75E-56	salmon	CDKN1B
5.91E-56	-0.54432	0.257626	0.336718	7.09E-56	salmon	EML4
1.86E-52	-0.59132	0.328581	0.373704	2.23E-52	salmon	RNF213
1.05E-50	-1.1834	0.301393	0.351719	1.24E-50	salmon	S100A11
8.48E-49	-0.61863	0.443966	0.441867	1.00E-48	salmon	VSIR
6.91E-46	-0.77381	0.499668	0.464707	8.12E-46	salmon	TRBC2
1.78E-45	-0.52659	0.508952	0.483592	2.08E-45	salmon	WIPF1

3.51E-45	-0.54217	0.511605	0.487048	4.08E-45	salmon	PRMT2
3.57E-43	-0.6672	0.597812	0.53148	4.13E-43	salmon	FLNA
5.00E-43	-0.52762	0.216844	0.284126	5.76E-43	salmon	MGAT4A
2.83E-42	-0.72998	0.322944	0.363513	3.24E-42	salmon	NR4A2
1.51E-40	-0.50812	0.225796	0.293604	1.72E-40	salmon	PPP2R5C
4.65E-40	-0.59283	0.346154	0.378621	5.26E-40	salmon	HERPUD1
1.01E-39	-0.5144	0.395889	0.404525	1.14E-39	salmon	ADD3
1.70E-37	-0.70358	0.471485	0.277962	1.90E-37	salmon	CST7
1.09E-36	-0.54196	0.6187	0.53711	1.22E-36	salmon	EZR
3.79E-34	-0.90477	0.504973	0.460467	4.21E-34	salmon	CTSS
2.70E-31	-0.51116	0.537467	0.479352	2.98E-31	salmon	BIN2
1.09E-25	-0.53014	0.47679	0.289221	1.20E-25	salmon	HLA-DQA1
4.69E-23	-1.94549	0.382294	0.236843	5.12E-23	salmon	LYZ
1.02E-21	-0.5062	0.604443	0.486086	1.11E-21	salmon	ANXA6
1.21E-20	-0.64045	0.287135	0.302227	1.31E-20	salmon	ANXA2
1.38E-19	-0.59515	0.567308	0.346838	1.49E-19	salmon	HLA-DQB1
3.65E-19	-0.94286	0.736074	0.610939	3.91E-19	salmon	SAT1
1.84E-18	-1.20433	0.633621	0.383716	1.97E-18	salmon	CST3
1.25E-17	-0.73825	0.999668	0.910208	1.33E-17	salmon	CD74
4.32E-17	-0.6177	0.946618	0.608195	4.57E-17	salmon	HLA-DRB1
6.13E-16	-0.54545	0.296751	0.307964	6.45E-16	salmon	ID2
8.68E-16	-0.58274	0.621353	0.496918	9.09E-16	salmon	NOSIP
2.78E-13	-0.52983	0.503979	0.438197	2.90E-13	salmon	IRF1
1.76E-06	-0.5229	0.901857	0.662462	1.83E-06	salmon	TSPO
8.48E-06	-0.73685	0.261605	0.188028	8.75E-06	salmon	CD79B
1.46E-05	-0.75865	0.495027	0.400748	1.51E-05	salmon	TIMP1
4.36E-05	-0.8643	0.538793	0.362516	4.46E-05	salmon	LGALS1
4.56E-05	-0.52317	0.579907	0.47219	4.65E-05	salmon	CD69
0	2.199973	0.971223	0.200655	0	pink	HBB
0	1.967983	0.978417	0.080852	0	pink	HBD
0	1.85724	0.992806	0.054676	0	pink	APOC1
0	1.747325	0.841727	0.056609	0	pink	CA1
0	1.462421	0.996403	0.265717	0	pink	BLVRB
0	1.336166	0.93705	0.207764	0	pink	MYC
0	1.290576	1	0.427027	0	pink	TMEM14C
0	1.262015	0.985612	0.087862	0	pink	CNRIP1
0	1.178294	0.985612	0.085471	0	pink	GATA1
0	1.153428	0.996403	0.342703	0	pink	UROD
0	1.065775	0.969424	0.072301	0	pink	ITGA2B
0	1.005609	0.953237	0.064996	0	pink	KLF1
0	1.004481	0.953237	0.086355	0	pink	PVT1

0	0.944128	0.991007	0.27276	0	pink	REXO2
0	0.922365	0.989209	0.226699	0	pink	CYTL1
0	0.853948	0.964029	0.185586	0	pink	FSCN1
0	0.83494	0.785971	0.033579	0	pink	FAM178B
0	0.819356	0.994604	0.279214	0	pink	CYTOR
0	0.787893	0.926259	0.101556	0	pink	SMIM10
0	0.784786	0.830935	0.047011	0	pink	EPCAM
0	0.777306	0.904676	0.067912	0	pink	FN3K
0	0.77137	0.951439	0.20285	0	pink	PLIN2
0	0.767711	0.96223	0.193645	0	pink	ALDH1A1
0	0.737353	0.76259	0.033481	0	pink	AHSP
0	0.67342	0.834532	0.037772	0	pink	KCNH2
0	0.667636	0.956835	0.20095	0	pink	NME4
0	0.665217	0.877698	0.070238	0	pink	SMIM1
0	0.658974	0.928058	0.186503	0	pink	NET1
0	0.654135	0.877698	0.065684	0	pink	TFR2
0	0.64738	0.897482	0.182473	0	pink	CENPU
0	0.64647	0.868705	0.071974	0	pink	FHL2
0	0.644029	0.839928	0.047076	0	pink	ANK1
0	0.636719	0.895683	0.176708	0	pink	LMNA
0	0.636042	0.94964	0.213792	0	pink	ISOC2
0	0.635402	0.96223	0.238624	0	pink	HDAC7
0	0.633805	0.94964	0.19027	0	pink	MIR4435-2HG
0	0.633242	0.870504	0.137592	0	pink	CASP3
0	0.629206	0.915468	0.159148	0	pink	MAP7
0	0.613198	0.911871	0.192695	0	pink	NFE2
0	0.6093	0.915468	0.146929	0	pink	HMBS
0	0.601029	0.902878	0.125012	0	pink	TPM1
0	0.593119	0.965827	0.216577	0	pink	SLC40A1
0	0.590209	0.958633	0.210549	0	pink	PDLIM1
0	0.581365	0.920863	0.217101	0	pink	MPST
0	0.574936	0.859712	0.102604	0	pink	TST
0	0.567837	0.870504	0.132973	0	pink	FADS2
0	0.562991	0.935252	0.236462	0	pink	PSMG1
0	0.561863	0.877698	0.144767	0	pink	CMBL
0	0.558971	0.901079	0.191417	0	pink	HNRNPAB
0	0.557741	0.913669	0.177854	0	pink	PCCB
0	0.552811	0.766187	0.135561	0	pink	CENPF
0	0.550562	0.859712	0.095692	0	pink	NFIA
0	0.547916	0.832734	0.05294	0	pink	PPP1R14A
0	0.536922	0.883094	0.187158	0	pink	FKBP4

0	0.534365	0.926259	0.188567	0	pink	PKIG
0	0.532492	0.884892	0.188075	0	pink	MCM2
0	0.531277	0.908273	0.208976	0	pink	AKR1C3
0	0.528753	0.834532	0.117183	0	pink	MINPP1
0	0.528441	0.931655	0.21448	0	pink	MTHFD1
0	0.527814	0.911871	0.170025	0	pink	LPCAT3
0	0.516632	0.915468	0.204324	0	pink	STAT5A
1.41E-304	-2.27667	0.964029	0.994234	8.51E-304	pink	TMSB4X
5.13E-301	0.990745	1	0.355872	3.04E-300	pink	AC084033.3
5.59E-299	0.605391	0.951439	0.250287	3.26E-298	pink	MEST
1.12E-295	0.939386	0.994604	0.420737	6.40E-295	pink	MPC2
9.93E-294	0.599585	0.953237	0.259099	5.61E-293	pink	MGST2
3.08E-292	0.699512	0.93705	0.268436	1.71E-291	pink	SYNGR1
7.93E-289	0.775065	0.985612	0.337101	4.35E-288	pink	DNPH1
1.74E-288	0.842149	0.992806	0.35502	9.43E-288	pink	CDK4
3.40E-286	0.669544	0.971223	0.296118	1.81E-285	pink	TPGS2
4.64E-280	0.655004	0.980216	0.291138	2.44E-279	pink	PAICS
1.16E-279	0.726527	0.902878	0.240721	5.99E-279	pink	CKS2
5.87E-278	0.858014	0.996403	0.405471	3.00E-277	pink	FBXO7
3.19E-274	0.779422	0.991007	0.339656	1.61E-273	pink	CD82
6.87E-274	0.635679	0.967626	0.289599	3.42E-273	pink	DKC1
1.37E-273	0.511301	0.931655	0.244717	6.70E-273	pink	SLC39A8
3.24E-268	0.561649	0.967626	0.275381	1.57E-267	pink	HADH
3.06E-264	0.616188	0.93705	0.266011	1.47E-263	pink	ISYNA1
6.72E-264	0.878848	0.998201	0.323866	3.17E-263	pink	PRSS57
7.49E-264	0.584364	0.940647	0.253104	3.49E-263	pink	MCM3
3.42E-261	0.519439	0.971223	0.279574	1.57E-260	pink	MRPS2
4.40E-252	0.893525	0.998201	0.542703	2.00E-251	pink	PRDX2
1.50E-250	-1.59801	0.973022	0.96878	6.73E-250	pink	SH3BGRL3
1.61E-250	0.548113	0.776978	0.187813	7.14E-250	pink	UNG
3.62E-250	0.934037	0.998201	0.521605	1.59E-249	pink	HSPD1
9.56E-250	0.579689	0.983813	0.306601	4.15E-249	pink	ATIC
5.46E-248	0.860609	1	0.823784	2.34E-247	pink	MIF
2.03E-241	0.592211	0.978417	0.32036	8.59E-241	pink	RUVBL2
1.27E-239	0.603193	0.964029	0.299787	5.31E-239	pink	DNAJC9
1.09E-238	0.596271	1	0.966093	4.53E-238	pink	EEF1B2
5.74E-238	-1.6346	0.998201	0.997379	2.35E-237	pink	HLA-B
3.84E-236	-2.19486	0.589928	0.913055	1.56E-235	pink	VIM
1.98E-235	-1.64855	1	0.99312	7.93E-235	pink	HLA-C
1.12E-233	0.752859	0.989209	0.355053	4.45E-233	pink	TUBA1C
4.60E-230	0.824792	0.998201	0.446192	1.80E-229	pink	CAT

6.59E-229	0.518857	0.785971	0.200164	2.56E-228	pink	CKS1B
5.82E-228	0.533975	0.969424	0.301753	2.24E-227	pink	SCCPDH
1.71E-225	-1.70064	0.897482	0.947846	6.49E-225	pink	HLA-E
1.04E-224	-1.52543	0.980216	0.986339	3.92E-224	pink	HLA-A
4.82E-223	0.694236	0.998201	0.425717	1.80E-222	pink	TIMM13
5.23E-223	0.510427	0.98741	0.323079	1.93E-222	pink	MPP1
1.89E-220	0.83669	0.998201	0.479672	6.91E-220	pink	IMPDH2
1.29E-219	0.732559	0.996403	0.51145	4.67E-219	pink	TMEM14B
2.63E-218	0.738211	1	0.917215	9.42E-218	pink	NPM1
2.55E-217	0.645806	0.991007	0.366028	9.07E-217	pink	AHCY
5.92E-214	0.58319	0.985612	0.336216	2.08E-213	pink	HMGA1
1.13E-213	0.511935	0.973022	0.321278	3.94E-213	pink	PAFAH1B3
2.69E-213	0.633695	0.958633	0.311581	9.29E-213	pink	MCM7
7.52E-212	-1.76694	0.305755	0.829877	2.57E-211	pink	CORO1A
6.69E-208	0.581535	0.98741	0.35679	2.27E-207	pink	HPRT1
3.60E-207	0.714124	1	0.476921	1.21E-206	pink	CCT6A
8.02E-207	0.75204	1	0.709124	2.67E-206	pink	RAN
1.34E-205	-2.18157	0.192446	0.797772	4.41E-205	pink	CD52
2.84E-205	0.61302	0.983813	0.370778	9.29E-205	pink	PRDX3
7.95E-205	0.711435	1	0.490975	2.58E-204	pink	ATP5MC1
5.27E-203	0.734927	1	0.696314	1.70E-202	pink	ATP5IF1
2.86E-202	0.604394	0.902878	0.291007	9.12E-202	pink	MCM5
3.85E-201	0.621574	0.989209	0.393251	1.22E-200	pink	CCT5
8.24E-201	0.728597	0.994604	0.472465	2.58E-200	pink	NAA38
1.17E-198	0.55474	1	0.965635	3.64E-198	pink	RPL4
7.53E-198	-1.25908	1	0.999672	2.32E-197	pink	B2M
3.70E-196	0.754055	1	0.468239	1.13E-195	pink	STMN1
9.58E-196	0.510393	0.967626	0.339328	2.90E-195	pink	MRPL37
5.07E-195	0.72465	1	0.580049	1.52E-194	pink	TXN
3.61E-192	0.539682	1	0.99525	1.08E-191	pink	RPLP0
7.10E-192	0.684096	0.996403	0.502932	2.10E-191	pink	CCT2
4.03E-191	0.952809	0.998201	0.618116	1.18E-190	pink	TUBB
6.46E-189	0.793559	1	0.658018	1.88E-188	pink	RPL22L1
1.41E-188	0.537169	0.985612	0.371204	4.07E-188	pink	STOML2
4.05E-188	0.547589	0.985612	0.372219	1.16E-187	pink	HDAC2
4.38E-188	0.51072	1	0.974087	1.25E-187	pink	PPIA
1.19E-184	0.656922	1	0.918624	3.38E-184	pink	HMGB1
1.92E-182	0.550078	0.980216	0.360229	5.39E-182	pink	RANBP1
2.46E-182	0.668006	0.998201	0.55181	6.84E-182	pink	PA2G4
3.15E-180	0.710087	1	0.866601	8.71E-180	pink	HSP90AB1
9.10E-178	0.519252	0.985612	0.388534	2.50E-177	pink	TAF9

3.22E-176	0.55555	1	0.957314	8.75E-176	pink	HNRNPA1
3.14E-172	0.632925	0.998201	0.486159	8.48E-172	pink	EIF3A
3.77E-172	0.766631	1	0.607764	1.01E-171	pink	H2AFZ
1.02E-171	0.560771	0.98741	0.429025	2.73E-171	pink	NDUFB6
1.63E-170	0.571516	0.994604	0.439214	4.31E-170	pink	PHB
5.45E-170	0.614481	1	0.651564	1.43E-169	pink	SERBP1
4.23E-167	0.610785	1	0.694349	1.10E-166	pink	ATP5F1B
1.14E-162	0.582627	1	0.70552	2.97E-162	pink	ATP5MC3
3.04E-162	-1.82746	0.521583	0.82398	7.82E-162	pink	TSC22D3
1.03E-160	-1.49565	0.548561	0.809337	2.62E-160	pink	LSP1
3.77E-159	0.571157	0.991007	0.390008	9.58E-159	pink	CDK6
9.57E-159	0.559029	0.983813	0.405143	2.41E-158	pink	NASP
1.22E-158	0.50642	0.989209	0.416871	3.06E-158	pink	MRPS34
1.06E-157	0.618318	0.994604	0.5486	2.63E-157	pink	HSPE1
2.62E-157	-1.32645	0.104317	0.693759	6.47E-157	pink	PKM
9.84E-157	0.772569	0.998201	0.656151	2.42E-156	pink	TUBA1B
1.19E-155	0.585049	1	0.538116	2.91E-155	pink	SNRPD1
1.23E-155	0.597727	1	0.807568	2.98E-155	pink	NCL
2.67E-155	-1.19399	0.958633	0.906405	6.42E-155	pink	CD37
1.95E-153	0.53112	1	0.780835	4.67E-153	pink	UQCRH
1.30E-150	0.622852	1	0.85982	3.08E-150	pink	HSP90AA1
2.48E-148	0.613753	1	0.607797	5.85E-148	pink	YBX1
4.52E-146	-2.0365	0.251799	0.716593	1.06E-145	pink	ZFP36
5.06E-146	0.522781	0.994604	0.469189	1.18E-145	pink	PRMT1
6.31E-145	0.623639	1	0.649631	1.46E-144	pink	EIF5A
7.46E-145	0.563391	0.992806	0.536937	1.72E-144	pink	ILF2
5.69E-141	0.533525	0.998201	0.634038	1.30E-140	pink	TUFM
9.81E-140	0.518174	0.998201	0.460475	2.23E-139	pink	SNRPE
4.69E-139	0.500022	0.98741	0.455201	1.06E-138	pink	CACYBP
3.51E-138	0.543487	0.996403	0.541785	7.90E-138	pink	NHP2
4.33E-138	0.533409	0.996403	0.62955	9.67E-138	pink	COX5A
9.91E-138	-0.57819	1	0.981491	2.20E-137	pink	PFDN5
1.06E-137	0.673654	0.998201	0.529631	2.34E-137	pink	DUT
2.30E-136	0.537999	1	0.677281	5.04E-136	pink	PEBP1
2.46E-136	0.623025	0.931655	0.395643	5.37E-136	pink	TUBB4B
6.06E-136	0.524876	0.998201	0.509877	1.31E-135	pink	SSB
6.08E-136	-1.59557	0.17446	0.666339	1.31E-135	pink	HCST
2.67E-134	-0.55271	1	0.989091	5.73E-134	pink	EEF1D
3.07E-132	-1.64109	0.070144	0.614251	6.55E-132	pink	CXCR4
9.61E-132	0.521829	1	0.803997	2.04E-131	pink	LDHB
2.58E-131	0.53069	0.994604	0.475807	5.44E-131	pink	GLUL

2.41E-130	0.553831	1	0.735233	5.06E-130	pink	TPI1
4.55E-130	-1.31074	0.44964	0.779754	9.49E-130	pink	IFITM2
2.05E-126	0.501595	1	0.526421	4.24E-126	pink	CCT8
4.69E-126	-0.57854	0.998201	0.969435	9.67E-126	pink	ARHGDIB
9.47E-126	-2.18469	0.510791	0.775987	1.94E-125	pink	JUNB
1.96E-121	-0.80605	0.998201	0.999214	4.00E-121	pink	MALAT1
1.03E-117	-0.804	0.996403	0.980311	2.09E-117	pink	UBC
5.57E-114	-1.35597	0.097122	0.581884	1.12E-113	pink	SELL
2.14E-105	-1.07849	0.242806	0.623129	4.29E-105	pink	PSMB9
3.59E-105	-0.66476	0.794964	0.245766	7.16E-105	pink	IGLL1
1.36E-104	-1.34393	0.636691	0.750008	2.71E-104	pink	PTPRC
1.50E-104	-0.5929	1	0.996822	2.96E-104	pink	EIF1
3.58E-103	-0.68025	1	0.992432	7.02E-103	pink	H3F3B
4.08E-100	-0.81722	1	0.998722	7.96E-100	pink	TMSB10
1.58E-99	-1.67767	0.535971	0.781392	3.07E-99	pink	JUN
3.84E-98	-0.9795	0.996403	0.904472	7.42E-98	pink	SARAF
1.15E-95	-0.67978	0.982014	0.866929	2.21E-95	pink	ARPC2
2.59E-92	-0.96691	0.066547	0.505422	4.96E-92	pink	ANXA6
5.30E-91	-1.37817	0.379496	0.648911	1.01E-90	pink	ITGB2
1.85E-90	-2.01895	0.208633	0.579558	3.50E-90	pink	IFITM1
4.89E-89	-0.97298	0.789568	0.772776	9.21E-89	pink	GPSM3
1.54E-88	-1.07306	0.010791	0.455561	2.89E-88	pink	CD48
1.18E-87	-0.54434	0.996403	0.904013	2.20E-87	pink	COMMD6
1.70E-87	0.73036	0.978417	0.588337	3.16E-87	pink	HIST1H4C
1.87E-85	-1.29868	0.071942	0.490123	3.45E-85	pink	CD69
3.85E-85	-1.16901	0.138489	0.52688	7.07E-85	pink	LITAF
1.73E-82	-1.23622	0.068345	0.475381	3.17E-82	pink	TRBC2
2.22E-76	-0.76766	0.996403	0.925504	4.03E-76	pink	LAPTM5
3.49E-76	-1.89403	0.978417	0.917805	6.32E-76	pink	CD74
2.27E-74	-1.85773	0.014388	0.408387	4.09E-74	pink	CD3E
5.11E-72	-1.63794	0.017986	0.403374	9.17E-72	pink	LTB
2.77E-71	-2.1428	0.01259	0.39502	4.95E-71	pink	IL32
2.00E-69	-1.07979	0.041367	0.412449	3.55E-69	pink	SLC2A3
1.12E-68	-1.28916	0.064748	0.428174	1.98E-68	pink	TNFAIP3
1.63E-68	-1.21311	0.663669	0.714136	2.87E-68	pink	IER2
3.65E-68	-1.20068	0.183453	0.502179	6.39E-68	pink	FYB1
3.76E-68	-0.96385	0.06295	0.426929	6.55E-68	pink	BTG2
6.45E-68	-0.87322	0.960432	0.883931	1.12E-67	pink	CALM1
1.14E-67	-1.28951	0.526978	0.667944	1.97E-67	pink	KLF6
2.64E-66	-1.22688	0.386691	0.589222	4.53E-66	pink	EVL
2.36E-62	-1.64845	0.039568	0.385815	4.05E-62	pink	LGALS1

3.69E-62	-0.85009	0.089928	0.421163	6.28E-62	pink	CYTIP
4.95E-62	-0.85006	0.814748	0.727174	8.39E-62	pink	LCP1
5.55E-62	-1.04526	0.276978	0.532514	9.37E-62	pink	BTG1
3.94E-58	-1.03951	0.102518	0.417658	6.62E-58	pink	DDIT4
1.53E-57	-0.91207	0.133094	0.434627	2.56E-57	pink	HLA-F
1.00E-56	-0.72252	0.034173	0.356822	1.67E-56	pink	IL16
1.07E-56	-0.65626	0.014388	0.338215	1.78E-56	pink	BIN1
2.37E-55	-0.98709	0.007194	0.325405	3.91E-55	pink	LCK
3.90E-55	-0.68241	0.030576	0.347125	6.41E-55	pink	GLIPR1
4.82E-55	-1.14917	0.982014	0.824734	7.89E-55	pink	SRGN
1.13E-54	-1.07547	0.181655	0.459427	1.85E-54	pink	AHNAK
3.11E-54	-0.54498	1	0.972449	5.04E-54	pink	ACTG1
3.76E-54	-0.83183	0.023381	0.336118	6.07E-54	pink	ISG20
4.76E-54	-1.1251	0.01259	0.325012	7.66E-54	pink	CD3D
3.08E-53	-1.41839	0.026978	0.335692	4.93E-53	pink	AREG
1.61E-52	-0.74764	0.089928	0.386863	2.57E-52	pink	C1orf162
6.78E-52	-0.82686	0.007194	0.310336	1.08E-51	pink	ARL4C
8.16E-52	-0.63865	0.008993	0.311646	1.29E-51	pink	PDE4B
2.46E-51	-0.84462	0.181655	0.444717	3.87E-51	pink	1-Sep
3.99E-51	-2.33244	0.010791	0.310762	6.25E-51	pink	NKG7
9.12E-51	-0.90827	0.010791	0.308862	1.42E-50	pink	SPOCK2
6.32E-50	-0.94209	0.345324	0.530516	9.82E-50	pink	CCND3
2.14E-49	-0.64977	0.97482	0.803997	3.31E-49	pink	GABARAP
5.09E-49	-0.64261	0.057554	0.351319	7.85E-49	pink	PLEK
5.58E-49	-0.61764	0.071942	0.359083	8.57E-49	pink	SORL1
2.78E-48	-0.76308	0.106115	0.382277	4.25E-48	pink	P2RY8
8.28E-48	-0.84384	0.014388	0.299099	1.26E-47	pink	FCMR
1.31E-47	-0.62285	0.089928	0.367207	1.98E-47	pink	VAMP5
2.37E-47	-1.42529	0.01259	0.295135	3.58E-47	pink	IL7R
9.01E-46	-0.91673	0.508993	0.582867	1.36E-45	pink	9-Sep
1.06E-45	-0.84087	0.215827	0.446192	1.59E-45	pink	VSIR
2.33E-45	-0.7031	0.809353	0.70932	3.48E-45	pink	HCLS1
2.35E-45	-1.95322	0.055755	0.330221	3.50E-45	pink	TYROBP
2.85E-45	-0.60001	0.046763	0.320164	4.22E-45	pink	TRIM22
1.44E-44	-0.74727	0.007194	0.2762	2.12E-44	pink	IL10RA
2.72E-44	-0.77127	0.01259	0.280786	3.99E-44	pink	ZAP70
5.14E-44	-0.6936	0.874101	0.738411	7.52E-44	pink	ITM2B
8.80E-44	-1.33122	0.467626	0.551057	1.28E-43	pink	AIF1
4.70E-43	-1.02362	0.210432	0.436331	6.82E-43	pink	GADD45B
9.88E-43	-0.75335	0.005396	0.265586	1.43E-42	pink	HOPX
1.54E-42	-0.66379	0.017986	0.280131	2.22E-42	pink	CSF3R

3.09E-42	-1.60081	0.600719	0.608092	4.43E-42	pink	S100A10
3.13E-42	-0.90827	0.30036	0.48724	4.47E-42	pink	IFITM3
2.49E-41	-0.79081	0.003597	0.256314	3.54E-41	pink	CD3G
4.49E-41	-0.82635	0.467626	0.556134	6.36E-41	pink	STK17B
4.70E-41	-0.87425	0.005396	0.257035	6.64E-41	pink	GZMM
6.03E-41	-1.28095	0.758993	0.650811	8.49E-41	pink	HLA-DPB1
1.32E-40	-0.83245	0.068345	0.318296	1.85E-40	pink	SAMHD1
4.55E-40	-0.64123	0.023381	0.272432	6.36E-40	pink	PRKCH
1.06E-39	-0.64626	0.091727	0.337821	1.47E-39	pink	RCSD1
1.33E-39	-0.7532	0.017986	0.264308	1.85E-39	pink	KLF2
1.74E-39	-0.73724	0.142086	0.373464	2.41E-39	pink	RNF213
2.09E-39	-1.04736	0.138489	0.372416	2.87E-39	pink	HLA-DQB1
5.30E-39	-0.6155	0.077338	0.321114	7.27E-39	pink	CAPG
1.05E-37	-0.75878	0.026978	0.264668	1.44E-37	pink	ALOX5AP
6.78E-37	-0.73269	0.030576	0.264472	9.22E-37	pink	SMIM24
4.24E-36	-0.89598	0.02518	0.255495	5.75E-36	pink	SPINK2
2.46E-35	-0.64509	0.059353	0.286585	3.33E-35	pink	CRIP1
1.18E-34	-0.6287	0.998201	0.892449	1.58E-34	pink	MYL12A
1.63E-34	-0.67843	0.260791	0.433186	2.18E-34	pink	IDS
2.62E-34	-0.61967	0.118705	0.335168	3.50E-34	pink	LAT2
5.92E-34	-0.85991	0.464029	0.533071	7.89E-34	pink	RARRES3
1.15E-33	-0.73931	0.205036	0.394169	1.53E-33	pink	TRAF3IP3
1.46E-33	-0.65583	0.203237	0.393382	1.94E-33	pink	CYFIP2
2.60E-32	-0.93719	0.192446	0.383882	3.43E-32	pink	LST1
5.15E-32	-0.80742	0.046763	0.257265	6.77E-32	pink	NCF1
5.39E-32	-0.57289	0.134892	0.337592	7.06E-32	pink	ARHGAP30
2.75E-31	-0.6117	0.203237	0.390434	3.58E-31	pink	TPM4
2.80E-31	-0.70289	0.784173	0.650745	3.64E-31	pink	CD44
3.15E-30	-0.58818	0.055755	0.259165	4.08E-30	pink	PTPRE
7.87E-30	-0.76677	0.291367	0.430663	1.02E-29	pink	TBC1D10C
2.49E-29	-0.78951	0.782374	0.639279	3.21E-29	pink	TUBA1A
1.34E-28	-0.58095	0.836331	0.660672	1.71E-28	pink	ICAM3
2.19E-28	-0.77769	0.106115	0.294775	2.80E-28	pink	PIK3IP1
9.75E-28	-0.87977	0.18705	0.362719	1.24E-27	pink	NR4A2
1.06E-27	-0.66439	0.26259	0.406257	1.35E-27	pink	ADD3
1.46E-27	-1.17057	0.839928	0.647437	1.85E-27	pink	HLA-DPA1
1.99E-26	-0.62175	0.577338	0.558755	2.51E-26	pink	WAS
6.64E-26	-1.25208	0.18705	0.349746	8.33E-26	pink	S100A11
7.21E-26	-0.72967	0.703237	0.61294	9.03E-26	pink	MYH9
7.65E-26	-0.62585	0.241007	0.385291	9.54E-26	pink	PPP1R18
1.26E-25	-0.62529	0.303957	0.422277	1.56E-25	pink	AKAP13

1.36E-25	-0.61111	0.158273	0.324947	1.68E-25	pink	CYTH1
1.55E-25	-0.78403	0.136691	0.309975	1.91E-25	pink	ID2
2.79E-25	-0.53816	0.106115	0.280491	3.43E-25	pink	ANKRD44
4.07E-24	-0.71602	0.516187	0.52475	5.00E-24	pink	CYBA
5.92E-24	-0.59289	0.113309	0.28059	7.25E-24	pink	MGAT4A
5.11E-23	-0.5789	0.519784	0.524324	6.23E-23	pink	CELF2
6.89E-23	-0.69409	0.47482	0.49959	8.37E-23	pink	ARRB2
2.49E-22	-0.53515	0.258993	0.379656	3.01E-22	pink	RABAC1
7.92E-22	-0.57539	0.149281	0.298706	9.56E-22	pink	AKNA
2.04E-21	-0.56327	0.107914	0.262965	2.45E-21	pink	MYO1F
6.24E-21	-0.66533	0.107914	0.25887	7.48E-21	pink	FLT3LG
8.67E-21	-0.58562	0.751799	0.617625	1.04E-20	pink	TAPBP
1.16E-20	-0.52235	0.992806	0.80688	1.39E-20	pink	CD99
1.34E-20	-0.6964	0.602518	0.551089	1.59E-20	pink	ARHGEF1
1.03E-19	-0.54255	0.210432	0.333726	1.22E-19	pink	SASH3
2.27E-19	-0.69336	0.388489	0.440655	2.68E-19	pink	PIK3R1
7.48E-19	-0.66488	0.600719	0.546765	8.80E-19	pink	STK4
3.88E-18	-0.62371	0.134892	0.268206	4.55E-18	pink	LBH
8.16E-18	-0.52338	0.845324	0.64914	9.55E-18	pink	KMT2E
8.28E-18	-0.82258	0.638489	0.553153	9.65E-18	pink	LEPROTL1
3.55E-17	-0.68518	0.638489	0.555643	4.13E-17	pink	YPEL5
4.13E-17	-0.78294	0.739209	0.717707	4.78E-17	pink	FOS
5.83E-17	-1.28784	0.861511	0.637019	6.73E-17	pink	HLA-DRB1
1.17E-16	-1.24702	0.134892	0.259787	1.34E-16	pink	FCER1G
1.22E-16	-0.565	0.210432	0.318526	1.40E-16	pink	RNF125
4.80E-16	-0.55479	0.821942	0.62588	5.49E-16	pink	RNASET2
5.63E-16	-0.57961	0.366906	0.413268	6.42E-16	pink	ARHGAP9
9.95E-16	-0.86976	0.956835	0.790663	1.13E-15	pink	TXNIP
1.32E-15	-0.56516	0.366906	0.415659	1.50E-15	pink	CLEC2B
1.58E-15	-0.60575	0.839928	0.636855	1.79E-15	pink	CNN2
2.79E-15	-0.61285	0.230216	0.324554	3.14E-15	pink	ADGRE5
9.00E-15	-0.80892	0.210432	0.309189	1.01E-14	pink	HLA-DQA1
3.96E-13	-0.57351	0.413669	0.424767	4.44E-13	pink	VAMP2
4.93E-13	-0.5597	0.361511	0.394169	5.50E-13	pink	ARHGAP45
7.09E-13	-0.99108	0.496403	0.46421	7.90E-13	pink	CTSS
1.27E-12	-0.55023	0.303957	0.358952	1.41E-12	pink	MYO1G
1.56E-12	-0.53044	0.26259	0.331663	1.73E-12	pink	TMEM243
2.29E-12	-1.12653	0.77518	0.578346	2.53E-12	pink	HLA-DRB5
9.01E-12	-0.72461	0.321942	0.360262	9.91E-12	pink	ITM2C
3.11E-11	-0.78666	0.348921	0.373497	3.41E-11	pink	MAP3K8
4.08E-11	-0.65588	0.922662	0.683079	4.46E-11	pink	ANXA1

6.03E-11	-0.69254	0.451439	0.444455	6.57E-11	pink	IRF1
9.26E-11	-0.53806	0.640288	0.533104	1.01E-10	pink	RGS10
9.77E-11	-0.61635	0.555755	0.483702	1.06E-10	pink	BIN2
2.22E-10	-0.59519	0.672662	0.528419	2.40E-10	pink	CD53
6.81E-10	-0.54196	0.42446	0.410713	7.34E-10	pink	TNFRSF14
3.99E-09	-0.50231	0.530576	0.291663	4.29E-09	pink	NAMPT
9.37E-09	-0.7289	0.580935	0.480262	1.00E-08	pink	MCL1
2.55E-08	-0.70709	0.257194	0.301556	2.72E-08	pink	ANXA2
2.60E-07	-0.5937	0.555755	0.461982	2.77E-07	pink	HIF1A
6.98E-07	-1.42011	0.895683	0.59679	7.42E-07	pink	HLA-DRA
2.05E-06	-0.51399	0.604317	0.479476	2.17E-06	pink	PPP1R2
2.61E-06	-0.53288	0.280576	0.302932	2.76E-06	pink	TAGAP
2.92E-06	-0.62136	0.399281	0.375037	3.08E-06	pink	HERPUD1
5.31E-06	-0.64258	0.640288	0.493301	5.58E-06	pink	AES
5.67E-06	-0.50742	0.221223	0.255987	5.95E-06	pink	ABLIM1
1.23E-05	-0.57822	0.235612	0.26362	1.28E-05	pink	TUBA4A
3.01E-05	-0.70741	0.73741	0.552596	3.14E-05	pink	DNAJB1
4.63E-05	-0.79854	0.478417	0.422146	4.81E-05	pink	DUSP1
5.14E-05	-0.50734	0.805755	0.468894	5.33E-05	pink	MT2A
7.36E-05	-0.57744	0.498201	0.414775	7.60E-05	pink	RIPOR2
0.000237	-0.59309	1	0.994005	0.000245	pink	FTL
0.000269	-0.57931	0.776978	0.540803	0.000277	pink	EZR
0.000717	-0.53801	0.742806	0.52036	0.000735	pink	SLC9A3R1
0.001229	-0.53253	0.663669	0.486257	0.001256	pink	PRMT2
0.001657	-0.76259	0.843525	0.602719	0.001689	pink	NEAT1
0.007897	-0.50817	0.381295	0.328092	0.008026	pink	EML4
0.010979	-1.10883	0.543165	0.407469	0.011129	pink	CD7
0.014623	-2.3629	0.264388	0.250713	0.014782	pink	LYZ
0	1.770557	0.962417	0.241313	0	grey60	IL7R
0	1.376293	0.443863	0.069568	0	grey60	GZMK
0	1.242189	0.987155	0.344732	0	grey60	IL32
0	1.0236	0.99001	0.358639	0	grey60	CD3E
0	0.89606	0.864891	0.362504	0	grey60	LTB
0	0.875424	0.936727	0.759239	0	grey60	JUNB
0	0.858506	0.860609	0.280168	0	grey60	CD3D
0	0.842507	0.803996	0.284585	0	grey60	LCK
0	0.835317	0.52236	0.125505	0	grey60	TRAC
0	0.824512	0.627022	0.191656	0	grey60	CD2
0	0.795645	0.433397	0.096518	0	grey60	AQP3
0	0.792271	0.758801	0.397219	0	grey60	TNFAIP3
0	0.77493	0.59039	0.176473	0	grey60	TCF7

0	0.770605	0.595623	0.194037	0	grey60	GIMAP7
0	0.769998	0.837298	0.471755	0	grey60	FYB1
0	0.752107	0.527593	0.149453	0	grey60	GIMAP4
0	0.729748	0.517602	0.143932	0	grey60	CD27
0	0.704945	0.689343	0.275544	0	grey60	SPOCK2
0	0.704266	0.671265	0.221367	0	grey60	CD3G
0	0.703031	0.876308	0.564512	0	grey60	EVL
0	0.682124	0.939106	0.783084	0	grey60	TXNIP
0	0.680724	0.374405	0.092722	0	grey60	NELL2
0	0.667129	0.436727	0.116498	0	grey60	ITK
0	0.636061	0.962417	0.54467	0	grey60	IFITM1
0	0.61574	0.457184	0.141965	0	grey60	CAMK4
0	0.595112	0.62607	0.250595	0	grey60	ZAP70
0	0.588324	0.600856	0.188619	0	grey60	CCL5
0	0.552827	0.977165	0.900963	0	grey60	SARAF
0	0.547766	0.294957	0.060458	0	grey60	TRAT1
0	0.514143	0.273073	0.05535	0	grey60	CD28
0	0.506443	1	0.999655	0	grey60	B2M
0	-0.79697	0.863463	0.956451	0	grey60	H3F3A
0	-1.02821	0.052807	0.531281	0	grey60	HLA-DMA
0	-1.09235	0.463368	0.757238	0	grey60	GSTP1
0	-1.28396	0.141294	0.579178	0	grey60	AIF1
0	-1.34453	0.23882	0.680769	0	grey60	HLA-DPA1
0	-1.78926	0.046147	0.620725	0	grey60	HLA-DRB5
0	-1.89898	0.124167	0.678526	0	grey60	HLA-DRB1
0	-1.96991	0.805899	0.927085	0	grey60	CD74
0	-2.71375	0.039962	0.642914	0	grey60	HLA-DRA
4.27E-307	0.647795	0.476213	0.163774	1.71E-306	grey60	TC2N
3.61E-300	-1.21919	0.262607	0.681045	1.41E-299	grey60	HLA-DPB1
4.62E-298	-1.82581	0.009039	0.436903	1.76E-297	grey60	CST3
7.09E-298	-0.98095	0.073264	0.514959	2.64E-297	grey60	GLUL
1.12E-297	-0.94214	0.96099	0.971255	4.08E-297	grey60	GAPDH
9.60E-293	-0.93325	0.282112	0.66524	3.42E-292	grey60	TKT
9.33E-292	0.548246	0.964795	0.774043	3.26E-291	grey60	CD52
6.44E-290	0.655153	0.621313	0.26747	2.20E-289	grey60	PIK3IP1
2.15E-287	0.571859	0.914843	0.735878	7.20E-287	grey60	PTPRC
7.93E-281	-1.131	0.009515	0.420477	2.60E-280	grey60	SOX4
8.46E-279	0.607276	0.56803	0.233548	2.72E-278	grey60	FLT3LG
3.25E-269	0.600386	0.469553	0.171607	1.03E-268	grey60	CD96
1.23E-267	0.659878	0.781161	0.538252	3.82E-267	grey60	LEPROTL1
8.39E-266	-0.7403	0.477165	0.770523	2.55E-265	grey60	SLC25A5

5.61E-260	-0.84514	0.305423	0.641119	1.67E-259	grey60	TALDO1
3.24E-258	-1.03251	0.275928	0.634045	9.48E-258	grey60	SERPINB1
2.21E-256	-0.71343	0.048525	0.458608	6.37E-256	grey60	ZEB2
2.28E-252	0.554514	0.40961	0.134615	6.45E-252	grey60	LINC00861
7.36E-244	0.631199	0.558516	0.250561	2.04E-243	grey60	IL10RA
7.50E-243	0.648661	0.405328	0.150764	2.05E-242	grey60	INPP4B
1.55E-239	0.733312	0.701713	0.495014	4.18E-239	grey60	NOSIP
6.98E-233	-1.21923	0.00333	0.360054	1.85E-232	grey60	PRSS57
2.08E-231	-1.4229	0.153663	0.50126	5.41E-231	grey60	STMN1
1.90E-229	-0.74754	0.139391	0.524276	4.86E-229	grey60	H2AFY
4.95E-229	0.527806	0.355852	0.114635	1.25E-228	grey60	RORA
9.03E-229	0.584703	0.411989	0.158184	2.24E-228	grey60	LDLRAP1
3.08E-228	-0.87921	0.031874	0.391732	7.55E-228	grey60	AC084033.3
3.74E-227	0.632432	0.766889	0.540598	9.02E-227	grey60	DNAJB1
4.45E-227	0.599234	0.740247	0.448359	1.06E-226	grey60	TRBC2
2.82E-225	0.566763	0.545671	0.246523	6.62E-225	grey60	LAT
7.74E-223	-0.68525	0.006185	0.354878	1.79E-222	grey60	LAT2
2.03E-216	-0.7339	0.039962	0.395183	4.62E-216	grey60	FABP5
9.03E-214	0.583326	0.465271	0.207392	2.03E-213	grey60	DGKA
4.27E-212	-0.60467	0.007612	0.344698	9.47E-212	grey60	GNA15
1.75E-211	-0.73523	0.293054	0.608924	3.83E-211	grey60	TXN
2.31E-211	-0.59832	0.034253	0.387177	4.98E-211	grey60	RNF130
9.99E-211	-0.59429	0.096575	0.475068	2.13E-210	grey60	PGD
2.05E-209	-0.65473	0.089439	0.462852	4.31E-209	grey60	APLP2
9.92E-208	0.527333	0.431018	0.173332	2.06E-207	grey60	LIME1
1.50E-207	-1.02705	0.045195	0.391663	3.07E-207	grey60	HLA-DQB1
7.68E-207	-0.66801	0.001427	0.327996	1.56E-206	grey60	EGFL7
2.05E-206	-0.52539	0.001903	0.328652	4.10E-206	grey60	SYK
1.98E-204	-0.58091	0.048525	0.399289	3.90E-204	grey60	DDAH2
3.99E-204	0.532181	0.314462	0.100694	7.80E-204	grey60	GATA3
1.80E-200	-0.59998	0.001903	0.321233	3.46E-200	grey60	MEF2C
3.82E-200	-0.7389	0.132731	0.47952	7.29E-200	grey60	CAT
9.69E-200	-0.55149	0.119886	0.494634	1.83E-199	grey60	COMT
1.80E-199	0.603775	0.620362	0.374133	3.36E-199	grey60	TRAF3IP3
2.08E-196	0.50088	0.573264	0.27375	3.83E-196	grey60	FCMR
3.60E-196	-1.88051	0.024738	0.347113	6.57E-196	grey60	TYROBP
1.79E-195	0.545883	0.783539	0.630111	3.22E-195	grey60	CNN2
4.10E-195	0.689355	0.377735	0.134235	7.31E-195	grey60	CD8B
6.00E-195	0.518345	0.714082	0.428276	1.06E-194	grey60	CD48
1.64E-194	-0.52409	0.501903	0.76583	2.87E-194	grey60	SLC25A3
1.67E-190	0.511504	0.417697	0.164982	2.88E-190	grey60	SYNE2

2.27E-190	-0.51819	0.029971	0.357086	3.88E-190	grey60	MPP1
3.43E-190	-0.77279	0.7255	0.865523	5.79E-190	grey60	HMG2
5.57E-190	0.547244	0.486204	0.225646	9.33E-190	grey60	SKAP1
5.57E-187	0.512207	0.823977	0.588599	9.22E-187	grey60	CXCR4
6.79E-187	-0.59721	0.001427	0.303875	1.11E-186	grey60	MGST1
2.27E-185	-0.64639	0	0.299527	3.68E-185	grey60	CD34
5.75E-185	-0.63422	0.002379	0.303013	9.25E-185	grey60	FAM30A
7.08E-184	-0.88191	0.019029	0.328341	1.13E-183	grey60	HLA-DQA1
1.24E-180	-0.70283	0.000951	0.295352	1.95E-180	grey60	CSF3R
2.83E-177	0.520295	0.408183	0.170537	4.42E-177	grey60	FYN
7.91E-177	-0.73556	0.20647	0.509438	1.22E-176	grey60	IMPDH2
8.28E-177	-0.60686	0.152236	0.507505	1.27E-176	grey60	PYCARD
1.59E-176	0.56523	0.647954	0.424928	2.42E-176	grey60	1-Sep
1.20E-175	-0.6362	0.833968	0.896822	1.81E-175	grey60	RPS2
1.23E-172	0.524704	0.707897	0.466303	1.83E-172	grey60	CD69
9.28E-170	-0.68755	0.071361	0.390421	1.37E-169	grey60	GRN
1.63E-169	-0.56823	0.31922	0.636254	2.39E-169	grey60	YBX1
7.68E-169	-0.5733	0.001427	0.280928	1.12E-168	grey60	TCF4
3.09E-168	-0.66868	0.867269	0.92391	4.45E-168	grey60	HMGB1
8.65E-168	-0.69235	0.023311	0.314504	1.23E-167	grey60	CLEC11A
1.61E-165	0.718229	0.294006	0.098106	2.28E-165	grey60	KLRB1
2.47E-165	-0.76143	0.00333	0.278926	3.46E-165	grey60	SMIM24
2.83E-163	-0.72577	0.084206	0.394009	3.94E-163	grey60	MAP3K8
7.45E-162	0.506911	0.418649	0.189586	1.03E-161	grey60	OXNAD1
1.45E-160	-1.42202	0.004282	0.273819	1.98E-160	grey60	IGLL1
2.68E-159	-0.82304	0.09039	0.401498	3.63E-159	grey60	LST1
3.29E-158	0.530307	0.388677	0.154491	4.43E-158	grey60	CD8A
3.84E-157	-0.6234	0.118934	0.421202	5.12E-157	grey60	CDK6
1.03E-156	-1.17675	0.464795	0.676593	1.36E-156	grey60	TUBA1B
1.45E-154	0.524056	0.671741	0.526933	1.90E-154	grey60	ACAP1
1.99E-152	-0.57623	0.219315	0.571	2.59E-152	grey60	NPC2
1.03E-150	-0.59607	0.011418	0.274026	1.33E-150	grey60	H1FO
3.37E-148	-0.523	0.05138	0.336002	4.31E-148	grey60	CAPG
8.66E-146	0.570014	0.489058	0.276994	1.10E-145	grey60	KIAA1551
6.82E-142	0.533798	0.523311	0.319956	8.61E-142	grey60	RBL2
4.73E-138	0.562387	0.515699	0.31823	5.93E-138	grey60	CDKN1B
2.44E-137	-0.53383	0.557088	0.738914	3.03E-137	grey60	ENO1
9.25E-137	0.505251	0.408658	0.202353	1.14E-136	grey60	PARP8
5.82E-136	-0.62973	0.03901	0.29618	7.13E-136	grey60	BLVRB
5.89E-135	-1.25912	0.029496	0.274095	7.15E-135	grey60	FCER1G
2.60E-132	-0.52001	0.286394	0.608406	3.14E-132	grey60	ATP6V0B

2.29E-129	-0.51517	0.132731	0.424997	2.74E-129	grey60	TUBB4B
4.92E-128	-0.85462	0.031874	0.267297	5.85E-128	grey60	SPINK2
6.90E-128	-0.54173	0.090866	0.364574	8.14E-128	grey60	PLEK
1.27E-126	-0.7793	0.995243	0.996584	1.49E-126	grey60	FTH1
1.04E-124	-0.50345	0.081351	0.340695	1.22E-124	grey60	MCM7
7.90E-124	-2.51556	0.034729	0.266641	9.12E-124	grey60	LYZ
6.56E-121	0.551891	0.566127	0.43359	7.52E-121	grey60	ARHGAP15
9.93E-121	-0.8041	0.401047	0.630284	1.13E-120	grey60	H2AFZ
7.57E-120	-0.61955	0.353473	0.594327	8.56E-120	grey60	PRDX1
3.84E-112	-0.54539	0.175071	0.447358	4.31E-112	grey60	FOSB
3.22E-106	0.507846	0.514272	0.359571	3.59E-106	grey60	PBXIP1
1.35E-105	-0.53428	0.845385	0.870699	1.49E-105	grey60	HSP90AB1
8.34E-105	-0.57943	0.077545	0.311777	9.18E-105	grey60	NAMPT
2.18E-96	-0.54183	0.138915	0.375582	2.39E-96	grey60	ITM2C
1.82E-95	0.641347	0.43863	0.296249	1.98E-95	grey60	LYAR
9.08E-93	-0.8586	0.459087	0.636944	9.79E-93	grey60	TUBB
8.52E-87	-1.08231	0.189819	0.393388	9.13E-87	grey60	LGALS1
1.63E-84	-0.72476	0.992388	0.994237	1.74E-84	grey60	FTL
2.22E-83	-0.57316	0.528069	0.731875	2.35E-83	grey60	FOS
2.76E-71	-0.9765	0.162226	0.342351	2.90E-71	grey60	AREG
9.25E-67	-0.67399	0.260228	0.479623	9.66E-67	grey60	CTSS
4.44E-62	-0.68501	0.395338	0.609821	4.61E-62	grey60	HIST1H4C
2.48E-55	-0.58515	0.491912	0.699748	2.56E-55	grey60	TSPO
3.28E-53	-0.59681	0.404377	0.621726	3.37E-53	grey60	NEAT1
2.46E-52	-0.58827	0.486679	0.708202	2.51E-52	grey60	PSAP
2.74E-51	-0.84867	0.429591	0.637117	2.77E-51	grey60	SAT1
4.72E-11	-0.64222	0.886299	0.819248	4.74E-11	grey60	S100A6
0	2.418617	0.87037	0.062723	0	magenta	DNTT
0	2.216036	0.995885	0.243831	0	magenta	IGLL1
0	2.076435	0.95679	0.161628	0	magenta	UHRF1
0	2.021737	1	0.469456	0	magenta	STMN1
0	2.007693	0.993827	0.062592	0	magenta	VPREB1
0	1.840944	0.897119	0.056022	0	magenta	CD24
0	1.711525	0.971193	0.072757	0	magenta	VPREB3
0	1.443577	0.936214	0.313417	0	magenta	MCM7
0	1.36784	0.761317	0.110116	0	magenta	NUSAP1
0	1.344803	0.895062	0.227488	0	magenta	PCNA
0	1.344576	0.971193	0.18284	0	magenta	CD79B
0	1.302493	0.621399	0.086354	0	magenta	TOP2A
0	1.277464	0.884774	0.22569	0	magenta	SMC4
0	1.196855	0.728395	0.090211	0	magenta	MKI67

0	1.121895	0.769547	0.040268	0	magenta	IGHV5-78
0	1.11133	0.932099	0.269325	0	magenta	CARHSP1
0	1.075501	0.518519	0.063638	0	magenta	HIST1H3B
0	1.0735	0.829218	0.13901	0	magenta	DHFR
0	1.023214	0.860082	0.184703	0	magenta	CENPU
0	1.019743	0.748971	0.142311	0	magenta	GINS2
0	0.969782	0.73251	0.086387	0	magenta	PKMYT1
0	0.965454	0.94856	0.144697	0	magenta	CD79A
0	0.961199	0.77572	0.034679	0	magenta	EBF1
0	0.932596	0.895062	0.184377	0	magenta	IGHM
0	0.929732	0.623457	0.081157	0	magenta	CD9
0	0.893185	0.648148	0.085373	0	magenta	BIRC5
0	0.892413	0.713992	0.107338	0	magenta	TK1
0	0.887092	0.520576	0.017617	0	magenta	CMTM8
0	0.882957	0.736626	0.127014	0	magenta	CENPM
0	0.880948	0.792181	0.128322	0	magenta	ZWINT
0	0.877015	0.67284	0.088642	0	magenta	ASF1B
0	0.84324	0.450617	0.010328	0	magenta	NPY
0	0.837564	0.748971	0.051283	0	magenta	POU2AF1
0	0.827944	0.687243	0.109201	0	magenta	CLSPN
0	0.827286	0.765432	0.08119	0	magenta	BLNK
0	0.807205	0.641975	0.079131	0	magenta	CDCA5
0	0.782061	0.58642	0.066122	0	magenta	KIFC1
0	0.752272	0.522634	0.015395	0	magenta	AKAP12
0	0.750612	0.662551	0.028109	0	magenta	MME
0	0.695338	0.683128	0.098905	0	magenta	RAD51AP1
0	0.693417	0.633745	0.085373	0	magenta	CDC45
0	0.678184	0.49177	0.057885	0	magenta	AURKB
0	0.674867	0.559671	0.061415	0	magenta	CCNA2
0	0.668548	0.668724	0.034156	0	magenta	PAX5
0	0.661616	0.541152	0.020886	0	magenta	E2F2
0	0.655407	0.506173	0.042589	0	magenta	RRM2
0	0.651288	0.553498	0.035169	0	magenta	FAM111B
0	0.646292	0.384774	0.017617	0	magenta	LINC01013
0	0.642236	0.590535	0.083706	0	magenta	CDC6
0	0.632488	0.516461	0.067037	0	magenta	CDK1
0	0.602104	0.440329	0.017813	0	magenta	RAG2
0	0.599561	0.547325	0.068312	0	magenta	NCAPH
0	0.594355	0.487654	0.048635	0	magenta	CKAP2L
0	0.577497	0.502058	0.062265	0	magenta	FBXO5
0	0.570442	0.522634	0.063834	0	magenta	KNL1

0	0.566041	0.430041	0.025429	0	magenta	ARPP21
0	0.562418	0.502058	0.056284	0	magenta	NCAPG
0	0.526967	0.425926	0.035921	0	magenta	CCNE2
0	0.504868	0.557613	0.053963	0	magenta	CD19
4.82E-307	1.064634	0.864198	0.2252	3.63E-306	magenta	CDCA7
1.28E-306	0.849429	0.800412	0.186893	9.51E-306	magenta	CENPW
2.63E-305	0.932289	0.769547	0.16859	1.92E-304	magenta	PHGDH
2.08E-304	0.664349	0.701646	0.125838	1.49E-303	magenta	GNG7
2.35E-303	1.129225	0.903292	0.276385	1.66E-302	magenta	MAD2L2
1.60E-302	0.64642	0.654321	0.117078	1.11E-301	magenta	CENPN
1.69E-301	1.789463	1	0.91881	1.16E-300	magenta	HMGB1
3.26E-301	1.070549	0.911523	0.251708	2.20E-300	magenta	TCF4
5.18E-301	1.167118	1	0.999216	3.44E-300	magenta	PTMA
1.08E-300	0.60866	0.580247	0.092303	7.05E-300	magenta	UBE2T
7.49E-300	0.783821	0.868313	0.190848	4.84E-299	magenta	MZB1
1.11E-298	0.786999	0.716049	0.143422	7.05E-298	magenta	ATAD2
1.83E-296	0.839353	0.82716	0.198856	1.15E-295	magenta	JUP
5.81E-296	0.787342	0.788066	0.156137	3.60E-295	magenta	PAG1
2.56E-292	0.543686	0.54321	0.082301	1.57E-291	magenta	TCF19
1.46E-290	0.578421	0.460905	0.059356	8.78E-290	magenta	CDCA8
5.58E-289	1.014436	0.567901	0.089426	3.32E-288	magenta	UBE2C
1.04E-286	0.90843	0.878601	0.239974	6.11E-286	magenta	ERGIC1
5.87E-285	0.672676	0.697531	0.140252	3.40E-284	magenta	HELLS
1.36E-283	0.528902	0.487654	0.068018	7.76E-283	magenta	RACGAP1
4.33E-283	1.114166	0.917695	0.29665	2.45E-282	magenta	USP1
6.17E-283	0.569864	0.545267	0.086779	3.44E-282	magenta	DTL
3.66E-278	1.353101	0.981481	0.49057	2.02E-277	magenta	H2AFY
6.19E-278	2.030732	0.995885	0.65697	3.37E-277	magenta	TUBA1B
8.09E-278	0.572802	0.604938	0.107534	4.35E-277	magenta	CTNNAL1
2.43E-276	0.605464	0.617284	0.113548	1.29E-275	magenta	TIMELESS
1.93E-275	1.955207	0.997942	0.61899	1.01E-274	magenta	TUBB
2.60E-275	0.792358	0.788066	0.18771	1.35E-274	magenta	NRM
1.37E-274	1.665707	1	0.853767	7.02E-274	magenta	HMG2
1.22E-272	0.756326	0.773663	0.185455	6.18E-272	magenta	MAD2L1
5.40E-272	0.774617	0.730453	0.16555	2.71E-271	magenta	MCM4
1.97E-268	1.592461	0.99177	0.608792	9.79E-268	magenta	H2AFZ
3.32E-267	0.805595	0.753086	0.17882	1.63E-266	magenta	SMC2
7.13E-267	0.662754	0.687243	0.145906	3.47E-266	magenta	GMNN
1.06E-265	0.841724	0.792181	0.204543	5.08E-265	magenta	RRM1
1.55E-265	1.068939	0.936214	0.321687	7.39E-265	magenta	LAT2
2.41E-265	0.520902	0.561728	0.095342	1.13E-264	magenta	WDR76

1.33E-263	0.552589	0.567901	0.098317	6.18E-263	magenta	MND1
7.69E-262	1.618579	1	0.677137	3.55E-261	magenta	HMGB2
1.13E-260	1.02752	0.54321	0.092401	5.18E-260	magenta	HIST1H1B
1.23E-259	0.837041	0.87037	0.254453	5.55E-259	magenta	CDCA7L
5.08E-258	1.159492	0.954733	0.406929	2.27E-257	magenta	NASP
6.45E-258	0.877323	0.563786	0.101585	2.86E-257	magenta	TPX2
8.78E-258	0.818504	0.730453	0.173787	3.85E-257	magenta	FEN1
4.06E-257	1.055744	0.843621	0.256218	1.76E-256	magenta	MCM3
1.14E-256	0.890576	0.997942	0.974179	4.92E-256	magenta	PPIA
2.55E-256	0.943751	0.858025	0.24808	1.09E-255	magenta	TOP2B
2.89E-255	0.980587	0.915638	0.30116	1.22E-254	magenta	SSBP2
1.06E-253	0.744136	0.769547	0.191502	4.43E-253	magenta	MCM2
2.05E-252	0.585019	0.534979	0.089361	8.51E-252	magenta	CDKN3
3.66E-242	0.601456	0.631687	0.134009	1.50E-241	magenta	RFC5
5.41E-242	0.993663	0.967078	0.445138	2.20E-241	magenta	PARP1
4.17E-241	0.706794	0.742798	0.185651	1.68E-240	magenta	LMNB1
2.21E-240	1.122768	1	0.970093	8.86E-240	magenta	GAPDH
2.76E-240	0.582768	0.604938	0.123027	1.09E-239	magenta	EZH2
9.25E-238	0.589559	0.399177	0.053277	3.63E-237	magenta	ASPM
5.35E-236	0.92663	0.995885	0.913221	2.08E-235	magenta	HNRNPA2B1
6.72E-236	0.922723	0.76749	0.210296	2.60E-235	magenta	H2AFX
1.10E-235	0.709043	0.534979	0.096127	4.22E-235	magenta	CCNB2
1.65E-235	0.534784	0.54321	0.100474	6.25E-235	magenta	FANCI
8.84E-235	0.669165	0.722222	0.18065	3.33E-234	magenta	CENPH
5.75E-234	-1.61048	0.94856	0.994836	2.15E-233	magenta	FTL
6.17E-234	0.511064	0.532922	0.095048	2.29E-233	magenta	BARD1
9.23E-234	0.601907	0.415638	0.05831	3.39E-233	magenta	HIST1H2AL
1.58E-232	1.111351	0.635802	0.139075	5.75E-232	magenta	CENPF
1.95E-231	0.562697	0.588477	0.118124	7.06E-231	magenta	ATAD5
1.04E-229	0.821944	0.436214	0.065207	3.75E-229	magenta	CDC20
5.13E-227	1.021946	0.755144	0.206733	1.83E-226	magenta	PTTG1
1.55E-226	0.600437	0.615226	0.130315	5.46E-226	magenta	PCLAF
4.45E-223	0.573502	0.619342	0.136885	1.56E-222	magenta	RBBP8
6.34E-222	0.650645	0.734568	0.194901	2.20E-221	magenta	RFC2
6.38E-222	0.607784	0.368313	0.048243	2.20E-221	magenta	HIST1H3C
2.58E-221	0.845144	0.938272	0.323811	8.82E-221	magenta	RCSD1
8.55E-220	0.74976	0.82716	0.25782	2.91E-219	magenta	SAE1
1.09E-219	0.902996	0.997942	0.972545	3.69E-219	magenta	ACTG1
1.93E-218	0.970491	0.989712	0.746887	6.47E-218	magenta	SLC25A5
8.77E-218	0.506117	0.576132	0.120314	2.91E-217	magenta	CDK2
1.03E-217	0.574582	0.617284	0.128354	3.41E-217	magenta	QRSL1

1.19E-213	0.804642	0.769547	0.223435	3.90E-213	magenta	TMEM106C
3.36E-210	1.204228	0.973251	0.5311	1.09E-209	magenta	DUT
8.78E-209	0.736626	0.849794	0.279948	2.83E-208	magenta	SMARCA4
9.41E-208	0.870102	0.866255	0.30286	3.02E-207	magenta	DNAJC9
5.25E-204	0.897785	0.868313	0.311685	1.67E-203	magenta	TMPO
3.17E-202	0.703128	0.742798	0.20219	1.00E-201	magenta	CKS1B
7.91E-202	0.587679	0.73251	0.198954	2.48E-201	magenta	DTYMK
9.58E-202	0.901623	0.685185	0.191404	2.99E-201	magenta	SOCS2
2.62E-201	0.701055	0.711934	0.193692	8.10E-201	magenta	LIG1
1.46E-200	0.547653	0.639918	0.153816	4.49E-200	magenta	WDR34
1.67E-200	-0.65514	0.995885	0.999281	5.10E-200	magenta	RPL34
9.61E-199	1.120452	0.969136	0.571825	2.92E-198	magenta	PRDX1
1.84E-197	0.825504	0.923868	0.365158	5.56E-197	magenta	H2AFV
1.22E-195	0.746444	1	0.949371	3.65E-195	magenta	H3F3A
3.82E-194	0.854701	0.971193	0.563654	1.14E-193	magenta	YWHAQ
7.78E-194	0.89289	0.930041	0.426442	2.30E-193	magenta	PSMA6
3.61E-193	0.587285	0.613169	0.146821	1.06E-192	magenta	CDCA4
1.02E-191	0.923565	0.977366	0.562118	2.97E-191	magenta	SRSF10
1.19E-191	0.92493	0.835391	0.293479	3.44E-191	magenta	MCM5
2.60E-191	0.837848	0.977366	0.707076	7.47E-191	magenta	SRSF3
1.17E-190	0.820259	0.76749	0.244386	3.34E-190	magenta	CKS2
3.84E-189	0.920364	0.975309	0.710181	1.09E-188	magenta	RAN
2.16E-185	0.599052	0.707819	0.193169	6.11E-185	magenta	ADA
1.08E-184	0.57811	0.306584	0.039614	3.03E-184	magenta	HIST1H2AI
8.76E-184	0.678974	0.695473	0.200981	2.45E-183	magenta	MCM6
9.40E-183	-1.67588	0.162551	0.814872	2.61E-182	magenta	LSP1
1.70E-181	0.897834	0.950617	0.486027	4.69E-181	magenta	DEK
2.08E-180	0.626345	0.763374	0.230103	5.69E-180	magenta	CD38
5.04E-179	0.765515	0.878601	0.32757	1.37E-178	magenta	GLRX
4.09E-176	0.58859	0.726337	0.21899	1.11E-175	magenta	CBX5
7.12E-176	-2.44846	0.298354	0.832129	1.92E-175	magenta	S100A6
1.02E-173	0.559212	0.695473	0.202026	2.74E-173	magenta	YEATS4
4.18E-173	-0.55262	1	0.999346	1.11E-172	magenta	RPS14
5.02E-173	0.798096	0.934156	0.458604	1.33E-172	magenta	DDX39A
2.49E-172	0.533789	0.728395	0.20049	6.55E-172	magenta	TSPAN14
3.02E-172	0.7714	0.923868	0.40183	7.89E-172	magenta	RNASEH2B
2.69E-171	0.85911	0.942387	0.524203	6.98E-171	magenta	SIVA1
3.18E-171	0.737925	0.835391	0.317013	8.22E-171	magenta	RPA3
2.50E-170	0.732885	0.872428	0.369603	6.42E-170	magenta	SSRP1
5.10E-170	0.763697	0.792181	0.295702	1.30E-169	magenta	PAICS
2.54E-169	-0.56749	0.997942	0.999575	6.44E-169	magenta	RPL30

1.63E-168	0.821711	0.960905	0.512012	4.10E-168	magenta	RBBP4
2.01E-168	0.727551	0.726337	0.229319	5.05E-168	magenta	HMGB3
3.09E-168	0.829825	0.973251	0.678608	7.71E-168	magenta	PKM
3.44E-168	0.741199	0.711934	0.220951	8.55E-168	magenta	HPS4
4.21E-168	0.819789	0.997942	0.860173	1.04E-167	magenta	HSP90AA1
3.86E-167	0.762239	0.814815	0.291453	9.47E-167	magenta	MEF2C
6.46E-167	0.629049	0.786008	0.255336	1.58E-166	magenta	DCK
5.39E-164	0.774481	0.981481	0.727635	1.31E-163	magenta	HNRNPA3
1.62E-162	-1.36223	0.520576	0.913483	3.92E-162	magenta	CD37
2.04E-161	-2.41839	0.360082	0.818892	4.91E-161	magenta	S100A4
1.35E-160	-0.74021	0.975309	0.981925	3.23E-160	magenta	PFDN5
9.93E-160	0.649203	0.995885	0.838797	2.36E-159	magenta	SUMO2
1.47E-159	0.50697	0.646091	0.186043	3.47E-159	magenta	RNASEH2A
5.28E-159	0.744731	0.967078	0.625887	1.24E-158	magenta	ERH
3.27E-158	0.788744	0.853909	0.361726	7.67E-158	magenta	DNMT1
1.99E-157	-1.90252	0.469136	0.833241	4.64E-157	magenta	SRGN
1.01E-156	0.837676	0.927984	0.469619	2.33E-156	magenta	VDAC1
2.07E-155	2.022531	0.94856	0.589704	4.78E-155	magenta	HIST1H4C
6.81E-155	0.68181	0.839506	0.323484	1.56E-154	magenta	C19orf48
9.83E-154	0.853178	0.971193	0.614741	2.24E-153	magenta	SRSF2
9.26E-152	0.608125	0.773663	0.280046	2.10E-151	magenta	HADH
3.35E-150	0.604495	0.757202	0.261481	7.56E-150	magenta	MAGED1
4.91E-150	0.794666	0.841564	0.36385	1.10E-149	magenta	RANBP1
1.12E-149	-0.85056	0.993827	0.994607	2.51E-149	magenta	RPS27
1.63E-147	-0.55467	1	0.998987	3.62E-147	magenta	RPL13
3.61E-147	0.615612	0.987654	0.830789	8.01E-147	magenta	HNRNPK
8.67E-147	0.654434	0.987654	0.744174	1.91E-146	magenta	SLC25A3
4.78E-145	0.681142	0.841564	0.336656	1.05E-144	magenta	MIS18BP1
6.82E-144	-1.52426	0.18107	0.740382	1.49E-143	magenta	EMP3
1.09E-143	0.526001	0.722222	0.241052	2.38E-143	magenta	ARL6IP6
2.77E-143	0.649154	0.835391	0.336199	5.99E-143	magenta	PRKDC
4.62E-143	0.632556	0.839506	0.349142	9.95E-143	magenta	COPS3
4.48E-142	0.644783	0.755144	0.272855	9.60E-142	magenta	SYNGR1
7.36E-142	0.699275	0.740741	0.263899	1.57E-141	magenta	KIF22
1.29E-141	0.694736	0.944444	0.509822	2.74E-141	magenta	HNRNPR
2.96E-141	0.616454	0.798354	0.30505	6.26E-141	magenta	SMC3
3.05E-141	-0.57834	0.99177	0.993855	6.41E-141	magenta	RPL36
1.47E-140	0.832859	0.942387	0.552966	3.08E-140	magenta	HNRNPF
7.35E-140	0.55416	0.666667	0.22033	1.53E-139	magenta	MTHFD1
2.88E-139	0.595578	0.777778	0.288054	5.97E-139	magenta	MSI2
3.53E-138	0.615057	0.831276	0.345677	7.29E-138	magenta	SMS

9.91E-137	0.525042	0.771605	0.28302	2.04E-136	magenta	MYL6B
2.17E-136	0.714884	0.995885	0.808073	4.44E-136	magenta	NCL
3.21E-136	-1.33439	0.993827	0.996535	6.55E-136	magenta	FTH1
5.85E-136	0.816144	0.950617	0.566727	1.19E-135	magenta	NUCKS1
8.92E-136	0.664499	0.946502	0.570093	1.80E-135	magenta	SRP9
4.29E-135	0.681345	0.942387	0.538781	8.61E-135	magenta	ILF2
1.80E-134	0.707666	0.886831	0.428501	3.61E-134	magenta	IDH2
2.06E-134	0.54922	0.786008	0.286877	4.10E-134	magenta	ZCCHC7
2.24E-134	-1.67353	0.135802	0.696127	4.43E-134	magenta	ANXA1
2.66E-134	0.541977	1	0.957411	5.25E-134	magenta	HNRNPA1
8.64E-133	-1.22678	0.034979	0.650106	1.70E-132	magenta	CNN2
1.48E-132	0.744612	0.932099	0.553881	2.89E-132	magenta	PA2G4
1.53E-132	0.584847	0.763374	0.283739	2.99E-132	magenta	SMC1A
1.11E-131	0.518126	0.572016	0.171564	2.16E-131	magenta	MSH6
5.52E-131	0.549625	0.534979	0.151953	1.07E-130	magenta	ERG
5.62E-131	0.701225	0.796296	0.325674	1.08E-130	magenta	ANP32E
1.40E-129	-1.61016	0.092593	0.666514	2.67E-129	magenta	HCST
2.90E-128	0.63141	0.917695	0.457526	5.53E-128	magenta	CACYBP
7.73E-128	0.576407	0.796296	0.324596	1.47E-127	magenta	HSPB11
4.60E-126	0.542688	0.705761	0.251839	8.70E-126	magenta	BCL11A
1.08E-125	0.618959	0.919753	0.474064	2.03E-125	magenta	CBX3
2.11E-125	0.529686	0.989712	0.905083	3.96E-125	magenta	RHOA
2.79E-125	0.590029	0.919753	0.443373	5.21E-125	magenta	RAB11A
3.09E-125	0.712645	0.683128	0.238176	5.76E-125	magenta	SMIM3
2.51E-124	0.748845	0.845679	0.363622	4.65E-124	magenta	FABP5
3.81E-124	0.511547	0.847737	0.32221	7.04E-124	magenta	TMEM243
3.99E-123	0.689192	0.965021	0.672299	7.34E-123	magenta	PPP1CA
1.34E-122	0.631574	0.975309	0.698023	2.45E-122	magenta	NAP1L1
4.10E-122	-0.70407	0.958848	0.948717	7.46E-122	magenta	FXD5
4.23E-121	0.616182	0.884774	0.421638	7.68E-121	magenta	LSM4
7.08E-121	0.586179	0.880658	0.418827	1.28E-120	magenta	SMARCB1
1.37E-119	0.505524	0.985597	0.886746	2.47E-119	magenta	CHCHD2
1.89E-119	0.582771	0.853909	0.375715	3.40E-119	magenta	HDAC2
2.00E-119	-0.63788	0.995885	0.994542	3.57E-119	magenta	MT-ND3
2.13E-118	0.611367	0.950617	0.604118	3.79E-118	magenta	UBE2I
4.36E-118	0.619788	0.911523	0.454846	7.73E-118	magenta	YWHAE
1.74E-117	0.592666	0.87037	0.404184	3.07E-117	magenta	MRPL51
2.93E-117	0.503756	0.773663	0.300801	5.14E-117	magenta	TPGS2
4.42E-117	0.560789	0.81893	0.327276	7.74E-117	magenta	MPP1
1.37E-116	0.728336	0.958848	0.710639	2.39E-116	magenta	LDHA
5.29E-116	0.527179	0.740741	0.287335	9.20E-116	magenta	SUPT16H

5.41E-116	0.602284	0.866255	0.41242	9.36E-116	magenta	SNX2
5.11E-115	0.89093	0.91358	0.521066	8.81E-115	magenta	CCND3
5.92E-115	0.526608	0.662551	0.230757	1.02E-114	magenta	FAM111A
9.51E-115	0.61417	0.839506	0.396993	1.63E-114	magenta	CCT5
1.07E-114	1.001268	0.814815	0.398725	1.83E-114	magenta	TUBB4B
1.44E-114	0.588311	0.884774	0.417585	2.44E-114	magenta	ESD
1.55E-113	0.623182	0.944444	0.565746	2.63E-113	magenta	NONO
2.11E-113	0.573884	0.658436	0.223599	3.56E-113	magenta	SPTBN1
7.11E-113	0.589546	0.944444	0.602255	1.20E-112	magenta	SNRPB
8.46E-113	0.553837	0.851852	0.374277	1.42E-112	magenta	PRDX3
2.35E-112	0.511415	0.995885	0.595882	3.92E-112	magenta	HLA-DRA
2.31E-111	-0.6948	0.911523	0.939761	3.84E-111	magenta	RPL36AL
3.65E-111	0.603904	0.977366	0.73767	6.04E-111	magenta	HNRNPA0
5.86E-111	0.611978	0.930041	0.540284	9.66E-111	magenta	SNRPD1
6.72E-111	0.583295	0.969136	0.706684	1.10E-110	magenta	ATP5MC3
9.63E-111	0.595709	0.965021	0.637326	1.58E-110	magenta	HNRNPM
4.45E-109	0.604217	0.907407	0.494558	7.26E-109	magenta	KPNB1
4.10E-108	0.502619	0.641975	0.226508	6.67E-108	magenta	FHIT
4.38E-107	-1.51157	0.032922	0.572283	7.10E-107	magenta	CTSW
1.56E-106	0.518267	0.895062	0.43579	2.51E-106	magenta	PSMB2
1.81E-106	0.5041	0.769547	0.319464	2.92E-106	magenta	POLD2
4.22E-106	0.517957	0.644033	0.237196	6.77E-106	magenta	CKAP2
4.74E-106	0.639266	0.911523	0.506684	7.57E-106	magenta	RAD21
7.66E-106	0.579424	0.604938	0.215231	1.22E-105	magenta	KPNA2
1.22E-105	0.62308	0.983539	0.763295	1.93E-105	magenta	FUS
1.86E-105	0.536519	0.792181	0.353881	2.93E-105	magenta	POLE3
2.09E-105	0.553607	0.823045	0.369472	3.29E-105	magenta	PFKL
3.66E-105	0.574267	0.874486	0.44151	5.75E-105	magenta	PTBP1
4.29E-104	0.570711	0.839506	0.375454	6.70E-104	magenta	PPP1R18
6.21E-102	0.557476	0.95679	0.600882	9.67E-102	magenta	PSMB8
1.14E-101	0.564597	0.930041	0.503121	1.77E-101	magenta	SNRPA
1.40E-101	0.590659	0.907407	0.505475	2.17E-101	magenta	CCT2
6.33E-101	0.551482	0.954733	0.593823	9.77E-101	magenta	EIF4H
7.41E-101	0.536953	0.761317	0.335284	1.14E-100	magenta	CENPX
1.36E-100	0.580061	0.606996	0.217846	2.08E-100	magenta	PDLIM1
8.90E-100	-0.9766	0.962963	0.986599	1.36E-99	magenta	HLA-A
1.13E-99	0.551459	0.923868	0.545056	1.72E-99	magenta	XRCC5
7.46E-99	0.51305	0.804527	0.361137	1.13E-98	magenta	HPRT1
2.17E-98	0.596301	0.969136	0.640987	3.29E-98	magenta	HMGN1
2.38E-98	0.571535	0.569959	0.191665	3.58E-98	magenta	MT1X
4.97E-98	-1.07584	0.911523	0.947508	7.46E-98	magenta	HLA-E

1.28E-97	0.547473	0.975309	0.69544	1.92E-97	magenta	ATP5F1B
1.45E-96	-0.96527	0.273663	0.670011	2.16E-96	magenta	ICAM3
2.16E-96	0.542863	0.95679	0.683085	3.22E-96	magenta	PTGES3
2.71E-96	0.537359	0.95679	0.604903	4.01E-96	magenta	EWSR1
5.33E-95	0.556501	0.967078	0.641772	7.87E-95	magenta	HNRNPU
5.95E-95	0.531113	0.930041	0.55679	8.76E-95	magenta	SNRPD3
2.38E-94	0.561024	0.701646	0.285014	3.49E-94	magenta	HIST1H1C
3.29E-94	0.509673	0.860082	0.405753	4.82E-94	magenta	ZNF22
3.37E-94	0.563613	0.936214	0.617552	4.92E-94	magenta	GDI2
4.41E-94	0.500526	0.855967	0.424089	6.42E-94	magenta	PIN1
1.04E-92	0.517863	0.806584	0.389835	1.50E-92	magenta	RBBP7
1.51E-92	0.552939	0.921811	0.558948	2.19E-92	magenta	ANP32A
1.54E-92	0.53246	0.954733	0.575617	2.22E-92	magenta	9-Sep
1.72E-92	0.504092	0.954733	0.655728	2.46E-92	magenta	XRCC6
1.26E-91	-0.99764	0.269547	0.659225	1.80E-91	magenta	CD44
1.77E-91	0.502113	0.909465	0.536395	2.52E-91	magenta	PGAM1
6.39E-91	-1.36856	0.259259	0.650204	9.08E-91	magenta	ITGB2
3.70E-90	-0.68597	0.91358	0.92891	5.24E-90	magenta	TOMM7
4.08E-90	0.664547	0.736626	0.329858	5.76E-90	magenta	KLF10
9.32E-90	-0.99706	0.91358	0.905998	1.31E-89	magenta	SARAF
1.24E-89	0.505473	0.962963	0.72355	1.74E-89	magenta	COX8A
3.51E-89	0.503668	0.835391	0.434221	4.91E-89	magenta	NUTF2
3.58E-89	0.50121	0.932099	0.554404	5.00E-89	magenta	SNRPF
3.65E-89	0.535595	0.919753	0.543357	5.08E-89	magenta	RALY
1.27E-88	0.527031	0.915638	0.528714	1.76E-88	magenta	BANF1
4.33E-88	-1.1599	0.434156	0.752966	5.98E-88	magenta	PTPRC
4.97E-88	0.548533	0.954733	0.653081	6.85E-88	magenta	SERBP1
5.14E-88	0.592856	0.987654	0.858081	7.07E-88	magenta	HSPA8
1.04E-87	-1.01838	0.985597	0.993365	1.43E-87	magenta	HLA-C
4.60E-87	0.514479	0.792181	0.387743	6.28E-87	magenta	SYNCRIP
2.01E-86	-0.92948	0.014403	0.492466	2.73E-86	magenta	BIN2
4.11E-85	0.681127	0.633745	0.262821	5.58E-85	magenta	HIST1H1D
8.92E-84	0.512709	0.907407	0.528975	1.21E-83	magenta	CCT8
1.19E-83	0.516734	0.897119	0.536101	1.61E-83	magenta	SNRPG
1.37E-83	-0.91233	0.995885	0.997418	1.84E-83	magenta	HLA-B
1.99E-83	0.511563	0.866255	0.480242	2.67E-83	magenta	CCT6A
1.58E-81	0.550272	0.950617	0.678804	2.11E-81	magenta	PEBP1
3.71E-81	0.545722	0.81893	0.424154	4.94E-81	magenta	BUB3
3.44E-79	-1.23303	0.061728	0.503383	4.57E-79	magenta	FYB1
4.21E-78	0.681295	0.872428	0.524694	5.58E-78	magenta	HSPD1
5.00E-78	0.512834	0.878601	0.460141	6.61E-78	magenta	PDIA6

3.44E-77	0.570629	0.989712	0.925772	4.54E-77	magenta	LAPTM5
8.39E-76	-1.15973	0.024691	0.461285	1.10E-75	magenta	AHNAK
4.13E-69	-0.55958	0.886831	0.905867	5.41E-69	magenta	PPDPF
6.03E-67	-1.44765	0.014403	0.416179	7.87E-67	magenta	CD7
1.78E-66	-0.52603	0.930041	0.905279	2.32E-66	magenta	COMMD6
1.06E-65	-1.53096	0.555556	0.774669	1.38E-65	magenta	JUNB
1.84E-64	0.577616	0.946502	0.736297	2.38E-64	magenta	CALM2
4.59E-64	-2.14371	0.004115	0.39428	5.93E-64	magenta	IL32
8.12E-63	-1.87224	0.283951	0.577513	1.05E-62	magenta	IFITM1
5.67E-61	-0.92985	0.679012	0.775355	7.28E-61	magenta	IFITM2
2.31E-60	-1.84264	0.039095	0.407093	2.96E-60	magenta	CD3E
4.95E-60	-0.78278	0.631687	0.775323	6.32E-60	magenta	GPSM3
9.63E-60	-0.75555	1	0.999673	1.23E-59	magenta	B2M
3.30E-59	-1.54974	0.343621	0.612159	4.19E-59	magenta	S100A10
2.32E-57	-0.98359	0.22428	0.542899	2.94E-57	magenta	FLNA
1.36E-55	-1.10816	0.065844	0.415362	1.72E-55	magenta	TIMP1
7.94E-55	-0.84626	0.106996	0.447393	1.00E-54	magenta	VSIR
6.56E-52	-1.15942	0.676955	0.795489	8.24E-52	magenta	TXNIP
2.50E-51	-1.34869	0.020576	0.352018	3.14E-51	magenta	S100A11
7.67E-51	-1.71878	0.08642	0.413074	9.58E-51	magenta	CST3
2.24E-50	-1.60256	0.057613	0.384736	2.79E-50	magenta	LGALS1
7.27E-50	-0.67883	0.00823	0.333453	9.03E-50	magenta	SELPLG
1.69E-49	-1.12951	0.002058	0.324465	2.10E-49	magenta	CD3D
3.69E-48	-1.97008	0.012346	0.330283	4.55E-48	magenta	TYROBP
2.78E-46	-0.65431	0.199588	0.493447	3.43E-46	magenta	STAT3
3.67E-46	-0.93722	0.557613	0.687727	4.50E-46	magenta	TSPO
8.84E-46	-0.60303	0.685185	0.74254	1.08E-45	magenta	GSTK1
5.27E-44	-1.29242	0.613169	0.709789	6.44E-44	magenta	ZFP36
9.83E-44	-0.99473	0.12963	0.410198	1.20E-43	magenta	SLC2A3
3.29E-41	-0.65227	0.693416	0.741592	4.00E-41	magenta	ITM2B
1.76E-40	-0.6701	0.308642	0.54035	2.13E-40	magenta	ACAP1
2.44E-40	-0.88657	0.030864	0.307861	2.95E-40	magenta	SPOCK2
1.20E-39	-0.89184	0.218107	0.45125	1.44E-39	magenta	CD48
3.20E-38	-0.56116	0.020576	0.287596	3.85E-38	magenta	MGST1
5.92E-38	-0.69223	0.00823	0.270861	7.10E-38	magenta	LAT
5.21E-37	-0.61496	0.061728	0.333845	6.23E-37	magenta	FCGRT
1.06E-36	-0.55922	0.13786	0.398366	1.27E-36	magenta	NDFIP1
1.38E-36	-0.79047	0.002058	0.255761	1.64E-36	magenta	CD3G
1.74E-36	-0.65212	0.020576	0.27949	2.07E-36	magenta	CSF3R
2.46E-36	-0.89081	0.631687	0.694198	2.91E-36	magenta	PSAP
2.73E-36	-0.87378	0.004115	0.25648	3.22E-36	magenta	GZMM

3.81E-36	-0.72625	0.020576	0.275372	4.48E-36	magenta	IL10RA
6.56E-36	-0.67334	0.131687	0.385521	7.71E-36	magenta	C1orf162
8.58E-36	-1.08021	0.728395	0.777774	1.00E-35	magenta	JUN
1.53E-35	-0.77247	0.055556	0.308874	1.79E-35	magenta	ARL4C
2.43E-35	-0.65585	0.347737	0.537996	2.84E-35	magenta	RGS10
4.15E-35	-0.72617	0.100823	0.349959	4.82E-35	magenta	PLEK
2.24E-34	-1.29756	0.016461	0.261383	2.59E-34	magenta	FCER1G
4.63E-34	-0.81022	0.076132	0.317601	5.35E-34	magenta	SAMHD1
1.21E-33	-0.65165	0.372428	0.525282	1.39E-33	magenta	HSPB1
1.85E-32	-0.60173	0.921811	0.893904	2.13E-32	magenta	MYL12A
2.27E-32	-0.83345	0.399177	0.55715	2.60E-32	magenta	LEPROTL1
5.40E-32	-0.74446	0.059671	0.295081	6.18E-32	magenta	PIK3IP1
1.25E-31	-0.58205	0.030864	0.263834	1.42E-31	magenta	MYO1F
3.14E-31	-0.58085	0.50823	0.631312	3.58E-31	magenta	RNASSET2
4.46E-31	-0.55482	0.13786	0.36689	5.07E-31	magenta	RNF130
7.57E-31	-1.52141	0.072016	0.300311	8.57E-31	magenta	CST7
2.28E-30	-0.61045	0.228395	0.433306	2.58E-30	magenta	IDS
2.99E-30	-1.2162	0.617284	0.719693	3.37E-30	magenta	FOS
3.36E-30	-0.56924	0.1893	0.407191	3.78E-30	magenta	ITM2A
9.15E-30	-0.57402	0.403292	0.542703	1.03E-29	magenta	SYNGR2
5.90E-29	-0.77357	0.306584	0.48485	6.60E-29	magenta	MCL1
6.84E-29	-0.72	0.047325	0.264324	7.63E-29	magenta	HOPX
1.20E-28	-0.56562	0.450617	0.579931	1.33E-28	magenta	ATP6V0E1
1.56E-28	-0.82006	0.144033	0.363	1.74E-28	magenta	NR4A2
1.87E-28	-0.88955	0.294239	0.470861	2.07E-28	magenta	TRBC2
2.16E-28	-0.51384	0.851852	0.838765	2.38E-28	magenta	LIMD2
7.13E-28	-2.50101	0.041152	0.25429	7.86E-28	magenta	LYZ
1.49E-26	-0.66112	0.201646	0.39379	1.64E-26	magenta	TRAF3IP3
1.05E-25	-0.68221	0.479424	0.574702	1.15E-25	magenta	SELL
4.30E-25	-0.52045	0.209877	0.409283	4.70E-25	magenta	LCP2
2.60E-24	-0.54901	0.154321	0.344435	2.84E-24	magenta	GLIPR1
4.61E-24	-0.63265	0.08642	0.281843	5.03E-24	magenta	BLVRB
4.86E-24	-0.68497	0.403292	0.533878	5.28E-24	magenta	RARRES3
4.56E-23	-0.87238	0.154321	0.32234	4.94E-23	magenta	LCK
1.81E-21	0.559413	0.695473	0.472528	1.96E-21	magenta	HIST1H1E
2.00E-21	-0.54665	0.337449	0.47243	2.16E-21	magenta	CD63
9.55E-21	-0.59047	0.462963	0.549077	1.03E-20	magenta	STK4
1.47E-19	-0.79586	0.685185	0.608629	1.57E-19	magenta	SERPINB1
7.40E-19	-0.622	0.100823	0.258637	7.93E-19	magenta	FLT3LG
4.30E-18	-0.6518	0.294239	0.431084	4.59E-18	magenta	FOSB
5.84E-18	-0.69436	0.23251	0.37529	6.23E-18	magenta	MAP3K8

8.91E-18	-0.98533	0.211934	0.337898	9.48E-18	magenta	PRSS57
1.18E-17	-0.91669	0.36214	0.466416	1.25E-17	magenta	CTSS
1.24E-17	-0.6565	0.22428	0.371139	1.31E-17	magenta	GRN
4.86E-17	-0.91753	0.320988	0.423272	5.13E-17	magenta	TNFAIP3
5.53E-17	-0.56479	0.333333	0.439255	5.83E-17	magenta	APLP2
8.42E-17	-0.53404	0.434156	0.525772	8.85E-17	magenta	SLC9A3R1
1.70E-16	-0.51438	0.36214	0.466318	1.79E-16	magenta	ASAH1
3.87E-15	-0.63036	0.131687	0.261938	4.05E-15	magenta	KLF2
1.16E-14	-0.51569	0.524691	0.555025	1.21E-14	magenta	STK17B
1.92E-14	-0.6187	0.353909	0.43043	2.00E-14	magenta	HLA-F
4.58E-14	-0.51297	0.979424	0.968688	4.75E-14	magenta	SH3BGRL3
3.28E-13	-0.66904	0.895062	0.785226	3.40E-13	magenta	CD52
1.08E-12	-0.70266	0.407407	0.475993	1.12E-12	magenta	MT2A
3.96E-12	-0.80786	0.347737	0.42435	4.09E-12	magenta	DUSP1
3.06E-11	-2.15899	0.213992	0.306848	3.15E-11	magenta	NKG7
3.72E-11	-0.51351	0.355967	0.416179	3.82E-11	magenta	CYTIP
5.11E-11	-1.04457	0.658436	0.62252	5.24E-11	magenta	SAT1
8.70E-11	-0.9451	0.23251	0.331721	8.90E-11	magenta	AREG
4.01E-08	-0.64007	0.666667	0.584311	4.09E-08	magenta	EVL
1.24E-07	-0.71999	0.644033	0.606439	1.27E-07	magenta	NEAT1
1.08E-06	-0.64312	0.584362	0.55545	1.09E-06	magenta	DNAJB1
1.09E-06	-0.51326	0.37037	0.412028	1.10E-06	magenta	NFKBIA
1.97E-05	-0.53303	0.220165	0.261056	2.00E-05	magenta	ALOX5AP
6.91E-05	-0.68405	0.693416	0.547279	6.97E-05	magenta	AIF1
6.92E-05	-0.52072	0.226337	0.260827	6.97E-05	magenta	SMIM24
9.94E-05	-0.59295	0.27572	0.30116	9.99E-05	magenta	ANXA2
0.021478	-0.62903	0.259259	0.25125	0.021525	magenta	SPINK2
0	2.320061	0.98737	0.129039	0	turquoise	CCL5
0	2.204233	0.701926	0.049545	0	turquoise	GZMH
0	1.985344	0.986422	0.228129	0	turquoise	NKG7
0	1.782964	0.700347	0.110196	0	turquoise	CD8A
0	1.752967	0.975371	0.219746	0	turquoise	CST7
0	1.693613	0.90401	0.101598	0	turquoise	GZMA
0	1.643559	0.616356	0.056996	0	turquoise	CCL4
0	1.631938	0.568361	0.074515	0	turquoise	GNLY
0	1.567066	0.972845	0.321846	0	turquoise	IL32
0	1.544832	0.55731	0.056244	0	turquoise	FGFBP2
0	1.539687	0.443638	0.055313	0	turquoise	GZMK
0	1.368495	0.587938	0.101096	0	turquoise	CD8B
0	1.256639	0.918219	0.523644	0	turquoise	CTSW
0	1.194844	0.792232	0.191302	0	turquoise	GZMM

0	1.178867	0.973161	0.336462	0	turquoise	CD3E
0	1.151292	0.485317	0.059003	0	turquoise	KLRD1
0	1.126506	0.520051	0.103926	0	turquoise	KLRG1
0	1.09386	0.826334	0.261912	0	turquoise	CD3D
0	1.036055	0.941585	0.625313	0	turquoise	HCST
0	1.016365	0.603094	0.08125	0	turquoise	PRF1
0	0.998119	0.666877	0.2047	0	turquoise	CD3G
0	0.98493	1	0.992477	0	turquoise	HLA-C
0	0.980357	0.562046	0.229204	0	turquoise	TUBA4A
0	0.949057	0.473003	0.065988	0	turquoise	GZMB
0	0.943202	1	0.999642	0	turquoise	B2M
0	0.932265	0.574676	0.180984	0	turquoise	CD2
0	0.921598	0.81623	0.486315	0	turquoise	LITAF
0	0.905669	0.56994	0.275919	0	turquoise	LYAR
0	0.904112	0.395011	0.033675	0	turquoise	FCRL6
0	0.88607	0.999368	0.984739	0	turquoise	HLA-A
0	0.884689	1	0.997098	0	turquoise	HLA-B
0	0.862816	0.501105	0.150928	0	turquoise	FYN
0	0.860805	0.513735	0.144444	0	turquoise	SYNE2
0	0.853421	0.323019	0.08734	0	turquoise	KLRB1
0	0.83704	0.966846	0.52823	0	turquoise	IFITM1
0	0.836897	0.710452	0.275382	0	turquoise	LCK
0	0.833196	0.976634	0.874937	0	turquoise	CALM1
0	0.824191	0.922008	0.728237	0	turquoise	PTPRC
0	0.820689	0.754026	0.506627	0	turquoise	RARRES3
0	0.819788	0.744869	0.436698	0	turquoise	TRBC2
0	0.794251	0.45532	0.126496	0	turquoise	SH2D2A
0	0.793652	0.406063	0.070753	0	turquoise	SAMD3
0	0.786754	0.877487	0.617611	0	turquoise	ITGB2
0	0.786212	0.526997	0.230744	0	turquoise	HOPX
0	0.778319	0.532049	0.259225	0	turquoise	PPP2R5C
0	0.776732	0.716451	0.388228	0	turquoise	TNFAIP3
0	0.772848	0.616988	0.267966	0	turquoise	SPOCK2
0	0.757109	0.83928	0.577882	0	turquoise	CXCR4
0	0.749786	0.696558	0.42699	0	turquoise	AHNAK
0	0.745042	0.993369	0.941678	0	turquoise	HLA-E
0	0.736672	0.598358	0.239414	0	turquoise	ZAP70
0	0.736127	0.454373	0.179731	0	turquoise	C12orf75
0	0.723138	0.402273	0.138354	0	turquoise	TRBC1
0	0.715663	0.518787	0.239521	0	turquoise	PRKCH
0	0.713253	0.877171	0.689117	0	turquoise	ZFP36

0	0.707043	0.323019	0.052089	0	turquoise	TGFBR3
0	0.696872	0.909694	0.773017	0	turquoise	CD52
0	0.692366	0.942848	0.888837	0	turquoise	MYL12A
0	0.688474	0.938428	0.795658	0	turquoise	CD99
0	0.685593	0.54468	0.235222	0	turquoise	LAT
0	0.679566	0.324913	0.052733	0	turquoise	PYHIN1
0	0.67941	0.52605	0.242495	0	turquoise	IL10RA
0	0.679023	0.415535	0.16515	0	turquoise	ITGAL
0	0.677866	0.984212	0.967113	0	turquoise	SH3BGRL3
0	0.676069	0.415851	0.154725	0	turquoise	SYTL3
0	0.657507	0.32365	0.101992	0	turquoise	GBP5
0	0.628879	0.380486	0.12646	0	turquoise	TRAC
0	0.621067	1	0.992978	0	turquoise	TMSB4X
0	0.599409	0.55131	0.204449	0	turquoise	CD247
0	0.585921	0.335965	0.107688	0	turquoise	RORA
0	0.572055	0.359331	0.091245	0	turquoise	IL2RB
0	0.554638	0.2545	0.032528	0	turquoise	S1PR5
0	0.503743	0.994001	0.978111	0	turquoise	PFN1
0	-0.52731	0.912536	0.977395	0	turquoise	RPL7
0	-0.52819	0.011051	0.350613	0	turquoise	ARMH1
0	-0.5431	0.900221	0.955829	0	turquoise	H3F3A
0	-0.60545	0.997474	0.995092	0	turquoise	RPLP0
0	-0.61846	0.000947	0.333524	0	turquoise	MEF2C
0	-0.62533	0.004421	0.357921	0	turquoise	GNA15
0	-0.64175	0.374171	0.739593	0	turquoise	NAP1L1
0	-0.64395	0.016104	0.410296	0	turquoise	BEX3
0	-0.66759	0.209978	0.614423	0	turquoise	SELL
0	-0.68004	0.002842	0.340295	0	turquoise	EGFL7
0	-0.685	0.883486	0.922691	0	turquoise	NPM1
0	-0.7373	0.63467	0.827112	0	turquoise	LDHB
0	-0.73831	0.118724	0.49434	0	turquoise	CAT
0	-0.7513	0.131039	0.539908	0	turquoise	H2AFY
0	-0.76375	0.017998	0.500716	0	turquoise	SPINT2
0	-0.87514	0.265235	0.658487	0	turquoise	TALDO1
0	-0.88372	0.128829	0.529806	0	turquoise	IMPDH2
0	-0.88404	0.032207	0.405424	0	turquoise	AC084033.3
0	-0.95944	0.04168	0.418894	0	turquoise	LST1
0	-0.97824	0.233344	0.685391	0	turquoise	TKT
0	-1.16032	0.00821	0.436304	0	turquoise	SOX4
0	-1.21986	0.009788	0.372931	0	turquoise	PRSS57
0	-1.32805	0.178087	0.511175	0	turquoise	STMN1

0	-1.59063	0.037891	0.607616	0	turquoise	AIF1
0	-1.72763	0.049574	0.448628	0	turquoise	CST3
0	-2.02275	0.224187	0.645017	0	turquoise	HLA-DRA
2.91E-305	-0.55882	0.099779	0.489145	6.39E-305	turquoise	PGD
1.70E-303	0.756986	0.656457	0.454324	3.70E-303	turquoise	MT2A
2.51E-302	0.659987	0.369119	0.140216	5.42E-302	turquoise	RUNX3
2.72E-301	-0.61236	0.096306	0.475962	5.81E-301	turquoise	TMEM14C
2.93E-301	0.55822	0.79318	0.562048	6.19E-301	turquoise	EVL
4.69E-301	-0.52512	0.026524	0.369958	9.84E-301	turquoise	MPP1
1.36E-300	-0.50916	0.01042	0.340152	2.83E-300	turquoise	SYK
1.06E-298	-0.62122	0.026524	0.365874	2.18E-298	turquoise	LAT2
5.39E-298	-0.56616	0.047048	0.39919	1.10E-297	turquoise	RNF130
6.59E-291	-0.75786	0.051153	0.394569	1.33E-290	turquoise	ITM2C
2.22E-290	0.595776	0.395327	0.150032	4.45E-290	turquoise	GIMAP4
3.20E-289	-0.61056	0.00221	0.315326	6.35E-289	turquoise	MGST1
4.91E-288	-0.6632	0.000316	0.310919	9.65E-288	turquoise	CD34
1.37E-287	-0.64933	0.002526	0.314466	2.68E-287	turquoise	FAM30A
5.18E-287	-0.60733	0.02305	0.350075	1.00E-286	turquoise	CAPG
5.44E-287	0.688653	0.397221	0.166691	1.04E-286	turquoise	SYNE1
4.16E-285	0.6088	0.453426	0.194848	7.89E-285	turquoise	GIMAP7
9.69E-285	-0.73818	0.011367	0.326969	1.82E-284	turquoise	CLEC11A
4.81E-281	0.671932	0.648879	0.497922	8.98E-281	turquoise	PAXX
4.13E-280	0.655661	0.425008	0.192627	7.64E-280	turquoise	PARP8
5.62E-280	0.699322	0.693401	0.520277	1.03E-279	turquoise	FLNA
1.64E-278	0.717716	0.418693	0.190155	2.98E-278	turquoise	TENT5C
4.60E-275	-0.70891	0.003789	0.306262	8.29E-275	turquoise	CSF3R
3.12E-271	0.586627	0.539312	0.278319	5.58E-271	turquoise	ARL4C
2.23E-268	-0.66488	0.218503	0.565487	3.96E-268	turquoise	HSPD1
6.41E-268	0.60721	0.459425	0.218743	1.13E-267	turquoise	SKAP1
2.01E-267	0.571714	0.383328	0.150319	3.51E-267	turquoise	CD5
7.07E-267	-0.51318	0.544995	0.812567	1.22E-266	turquoise	EIF3E
1.49E-266	-0.68609	0.168298	0.536433	2.56E-266	turquoise	HLA-DMA
5.10E-266	-0.57274	0.532681	0.811134	8.69E-266	turquoise	ZFAS1
5.55E-266	0.617906	0.628039	0.406678	9.39E-266	turquoise	HLA-F
8.30E-266	-0.588	0.527629	0.775991	1.39E-265	turquoise	SLC25A5
3.82E-265	-0.51513	0.070729	0.410153	6.37E-265	turquoise	DDAH2
1.55E-264	-0.5072	0.131986	0.499427	2.57E-264	turquoise	YWHAE
1.47E-261	-0.63205	0.781497	0.905173	2.41E-261	turquoise	RPS2
8.15E-260	-0.53149	0.439848	0.748907	1.33E-259	turquoise	ANP32B
4.71E-258	-0.70271	0.171456	0.520671	7.62E-258	turquoise	GLUL
6.29E-258	-0.80597	0.33186	0.641363	1.01E-257	turquoise	SERPINB1

7.62E-256	-0.77826	0.004105	0.289353	1.21E-255	turquoise	SMIM24
8.39E-256	0.552935	0.788443	0.721967	1.33E-255	turquoise	LCP1
5.02E-255	-0.54934	0.257973	0.612058	7.89E-255	turquoise	APEX1
8.05E-255	-0.57689	0.005052	0.29118	1.26E-254	turquoise	TCF4
1.24E-254	-0.58688	0.198295	0.586802	1.93E-254	turquoise	NPC2
1.52E-254	-0.50729	0.010736	0.301748	2.34E-254	turquoise	TNFSF13B
8.69E-253	-0.66999	0.07515	0.402164	1.33E-252	turquoise	GRN
1.03E-249	0.556853	0.382381	0.158917	1.56E-249	turquoise	DOK2
1.47E-249	-0.6253	0.107673	0.434012	2.21E-249	turquoise	CDK6
3.84E-247	-1.4423	0.005684	0.283944	5.75E-247	turquoise	IGLL1
1.69E-243	-0.6316	0.006947	0.284553	2.51E-243	turquoise	H1FO
2.06E-243	-0.50627	0.00221	0.275919	3.05E-243	turquoise	SPI1
3.45E-238	-0.62174	0.770761	0.880132	5.05E-238	turquoise	HSP90AB1
5.68E-238	0.652505	0.501737	0.311457	8.28E-238	turquoise	APMAP
3.58E-237	-0.50712	0.000632	0.267536	5.18E-237	turquoise	CYTL1
3.42E-236	-0.93636	0.008841	0.278892	4.91E-236	turquoise	SPINK2
1.19E-229	0.973674	0.439848	0.24991	1.70E-229	turquoise	CMC1
5.79E-227	0.64848	0.636249	0.511643	8.22E-227	turquoise	SLC9A3R1
1.95E-226	0.620307	0.487212	0.284051	2.75E-226	turquoise	GNG2
5.47E-225	0.632058	0.612567	0.471699	7.67E-225	turquoise	WIPF1
2.48E-222	0.672048	0.373855	0.180268	3.45E-222	turquoise	APOBEC3G
2.98E-222	-0.54638	0.095674	0.402415	4.13E-222	turquoise	FABP5
3.95E-222	0.531368	0.383328	0.170022	5.43E-222	turquoise	CD96
4.25E-222	-0.54498	0.063783	0.359748	5.80E-222	turquoise	FCGRT
2.63E-218	0.545553	0.370382	0.16386	3.57E-218	turquoise	TC2N
2.43E-212	0.600549	0.611304	0.47066	3.28E-212	turquoise	BIN2
1.33E-207	0.580049	0.403536	0.198395	1.78E-207	turquoise	CLEC2D
1.62E-205	0.583809	0.620145	0.483664	2.15E-205	turquoise	ANXA6
5.16E-204	-0.6445	0.308178	0.608655	6.84E-204	turquoise	PRDX1
2.40E-203	-0.53801	0.430692	0.750699	3.16E-203	turquoise	FOS
3.36E-201	-0.80364	0.991159	0.997098	4.39E-201	turquoise	FTH1
3.33E-200	0.514448	0.710452	0.643763	4.34E-200	turquoise	LY6E
3.85E-198	-0.67017	0.703821	0.873325	4.99E-198	turquoise	HMGN2
1.15E-197	0.618563	0.464477	0.276922	1.48E-197	turquoise	AKNA
1.48E-195	-1.10488	0.034417	0.282869	1.90E-195	turquoise	FCER1G
4.23E-192	0.52213	0.68898	0.608082	5.38E-192	turquoise	PSMB9
7.77E-192	0.543785	0.461636	0.262198	9.82E-192	turquoise	CRIP1
9.71E-192	0.510927	0.364383	0.171061	1.22E-191	turquoise	LIME1
1.03E-188	0.634366	0.586044	0.42853	1.28E-188	turquoise	IRF1
2.67E-187	0.52161	0.452479	0.244644	3.32E-187	turquoise	LBH
7.04E-180	-2.50722	0.042311	0.274629	8.70E-180	turquoise	LYZ

4.95E-177	0.532757	0.671298	0.54281	6.08E-177	turquoise	DNAJB1
3.68E-174	0.53588	0.293338	0.130651	4.49E-174	turquoise	ZBTB38
9.24E-171	-0.51338	0.377644	0.611378	1.12E-170	turquoise	TXN
1.12E-170	-0.6406	0.982318	0.969227	1.35E-170	turquoise	GAPDH
2.92E-170	-0.56283	0.061257	0.303468	3.51E-170	turquoise	BLVRB
3.94E-170	-0.53703	0.322703	0.584259	4.71E-170	turquoise	NUCB2
5.60E-170	0.549891	0.519735	0.352261	6.66E-170	turquoise	RNF213
7.55E-169	-0.63029	0.640354	0.74837	8.93E-169	turquoise	GSTP1
2.88E-165	0.582367	0.516261	0.361575	3.39E-165	turquoise	P2RY8
1.22E-164	-0.72949	0.157562	0.438525	1.43E-164	turquoise	TIMP1
1.30E-162	-0.75116	0.386801	0.640646	1.51E-162	turquoise	H2AFZ
5.65E-158	-0.99251	0.11462	0.354625	6.55E-158	turquoise	AREG
6.96E-157	0.53935	0.563309	0.394856	8.02E-157	turquoise	DDIT4
2.20E-155	-1.0301	0.493527	0.681414	2.52E-155	turquoise	TUBA1B
1.79E-153	0.539256	0.33186	0.170488	2.04E-153	turquoise	CBLB
2.94E-151	0.581097	0.622987	0.466719	3.34E-151	turquoise	CD69
9.43E-151	0.590239	0.517524	0.403131	1.06E-150	turquoise	CLEC2B
1.12E-149	-0.87931	0.425639	0.647525	1.26E-149	turquoise	TUBB
4.11E-148	-0.80194	0.373224	0.605538	4.59E-148	turquoise	HLA-DRB5
1.63E-145	0.50459	0.564256	0.425915	1.82E-145	turquoise	1-Sep
1.72E-143	0.504511	0.729713	0.703625	1.90E-143	turquoise	SRSF7
3.00E-140	0.550864	0.460688	0.314108	3.31E-140	turquoise	EML4
9.82E-136	0.517981	0.325229	0.171706	1.08E-135	turquoise	AOAH
5.65E-135	0.500293	0.346069	0.195744	6.15E-135	turquoise	OPTN
9.99E-132	0.655229	0.524155	0.430143	1.08E-131	turquoise	PIK3R1
4.10E-130	-0.65096	0.154405	0.392491	4.43E-130	turquoise	HLA-DQB1
1.54E-124	0.661358	0.340385	0.208605	1.65E-124	turquoise	ADGRG1
4.37E-121	0.519685	0.341648	0.200437	4.66E-121	turquoise	BHLHE40
2.32E-119	-0.51253	0.06694	0.260013	2.47E-119	turquoise	ATP2B1-AS1
5.53E-117	-0.67509	0.346069	0.623594	5.85E-117	turquoise	HIST1H4C
1.91E-115	0.6515	0.403221	0.283263	2.01E-115	turquoise	ITGB1
8.10E-108	0.595988	0.467635	0.381386	8.48E-108	turquoise	CCNH
2.57E-105	-0.57645	0.092201	0.271799	2.68E-105	turquoise	NCF1
4.35E-99	0.573329	0.473319	0.346672	4.51E-99	turquoise	NR4A2
2.35E-96	-0.62549	0.376066	0.633231	2.42E-96	turquoise	NEAT1
2.78E-85	-0.86805	0.168614	0.343089	2.86E-85	turquoise	TYROBP
4.50E-79	-1.10322	0.919166	0.918858	4.61E-79	turquoise	CD74
7.37E-65	-0.6305	0.284812	0.40915	7.51E-65	turquoise	LTB
2.53E-49	-0.52881	0.302179	0.483234	2.56E-49	turquoise	CTSS
1.11E-38	-0.6246	0.988633	0.994734	1.12E-38	turquoise	FTL
3.37E-34	-0.66908	0.581939	0.647739	3.39E-34	turquoise	HLA-DRB1

1.15E-28	-0.65191	0.462583	0.641291	1.15E-28	turquoise	SAT1
0	1.177564	0.975942	0.748084	0	blue	JUNB
0	1.149569	0.938272	0.335184	0	blue	LTB
0	0.986686	0.857233	0.521811	0	blue	DNAJB1
0	0.951254	0.992403	0.896354	0	blue	SARAF
0	0.93492	0.802469	0.37859	0	blue	TNFAIP3
0	0.926229	0.701804	0.205752	0	blue	FLT3LG
0	0.912157	0.871162	0.518874	0	blue	LEPROTL1
0	0.853967	0.984805	0.335327	0	blue	CD3E
0	0.844063	0.980057	0.526861	0	blue	IFITM1
0	0.831061	0.741374	0.367846	0	blue	SLC2A3
0	0.816688	0.507439	0.204212	0	blue	ZNF331
0	0.801293	0.531497	0.224124	0	blue	ABLIM1
0	0.763994	0.628997	0.156436	0	blue	TCF7
0	0.740477	0.54321	0.132297	0	blue	CD5
0	0.717897	0.471668	0.087386	0	blue	MAL
0	0.70821	0.67648	0.247833	0	blue	PIK3IP1
0	0.697838	0.719848	0.256429	0	blue	SPOCK2
0	0.690333	0.706553	0.486641	0	blue	NOSIP
0	0.682581	0.810383	0.263878	0	blue	CD3D
0	0.678679	0.522634	0.122627	0	blue	CAMK4
0	0.65118	0.747072	0.238378	0	blue	IL7R
0	0.644014	0.846787	0.456844	0	blue	FYB1
0	0.640209	0.513137	0.170224	0	blue	OXNAD1
0	0.630574	0.971193	0.964616	0	blue	RPS26
0	0.613546	0.545426	0.247296	0	blue	MGAT4A
0	0.600946	1	0.993983	0	blue	RPS27
0	0.600522	0.783159	0.367667	0	blue	CD7
0	0.597868	0.35106	0.093081	0	blue	AQP3
0	0.586863	0.443178	0.118724	0	blue	CD6
0	0.563601	0.918645	0.328164	0	blue	IL32
0	0.56334	0.465021	0.135735	0	blue	CD27
0	0.554876	0.560304	0.225915	0	blue	KLF2
0	0.540761	0.871478	0.553255	0	blue	EVL
0	0.540414	0.432732	0.134625	0	blue	LEF1
0	0.52266	0.559671	0.233615	0	blue	LAT
0	0.521433	0.616967	0.210479	0	blue	CD3G
0	0.514469	0.747705	0.413652	0	blue	CD48
0	0.503238	0.978474	0.925256	0	blue	RPS29
0	-0.53944	0.002532	0.34095	0	blue	SYK
0	-0.58207	0.806584	0.935177	0	blue	OAZ1

0	-0.5871	0.127255	0.507987	0	blue	COMT
0	-0.61271	0.002849	0.333214	0	blue	MEF2C
0	-0.63528	0.510605	0.765919	0	blue	TPI1
0	-0.64494	0.035771	0.41401	0	blue	DDAH2
0	-0.66484	0.233935	0.626531	0	blue	ATP6V0B
0	-0.686	0.001899	0.340305	0	blue	EGFL7
0	-0.70116	0.006964	0.367989	0	blue	LAT2
0	-0.70774	0.08452	0.477545	0	blue	APLP2
0	-0.71858	0.128522	0.523637	0	blue	PYCARD
0	-0.72356	0.054448	0.406991	0	blue	FABP5
0	-0.72544	0.918645	0.953728	0	blue	H3F3A
0	-0.76124	0.164926	0.535957	0	blue	H2AFY
0	-0.77053	0.137069	0.492157	0	blue	CAT
0	-0.80066	0.29408	0.620765	0	blue	TXN
0	-0.80177	0.016777	0.383318	0	blue	PLEK
0	-0.80515	0.864198	0.926402	0	blue	HMGB1
0	-0.81017	0.393796	0.667108	0	blue	TKT
0	-0.85785	0.014562	0.477974	0	blue	ZEB2
0	-0.87359	0.039886	0.410751	0	blue	MAP3K8
0	-0.88532	0.041785	0.404233	0	blue	AC084033.3
0	-0.88725	0.110795	0.527434	0	blue	GLUL
0	-0.89484	0.461222	0.834002	0	blue	CLIC1
0	-0.91556	0.049383	0.431524	0	blue	SOX4
0	-0.93057	0.297879	0.654681	0	blue	TALDO1
0	-0.99024	0.336499	0.640749	0	blue	SERPINB1
0	-1.04161	0.041152	0.405236	0	blue	HLA-DQB1
0	-1.05	0.059196	0.548671	0	blue	HLA-DMA
0	-1.05165	0.966762	0.970991	0	blue	GAPDH
0	-1.23784	0.006331	0.373218	0	blue	PRSS57
0	-1.36282	0.377018	0.778132	0	blue	GSTP1
0	-1.48274	0.173473	0.706969	0	blue	HLA-DPB1
0	-1.4878	0.150681	0.514755	0	blue	STMN1
0	-1.56068	0.169991	0.705286	0	blue	HLA-DPA1
0	-1.74516	0.055397	0.64143	0	blue	HLA-DRB5
0	-1.83757	0.01836	0.452045	0	blue	CST3
0	-2.01114	0.087053	0.70371	0	blue	HLA-DRB1
0	-2.0123	0.014562	0.360468	0	blue	TYROBP
0	-2.25501	0.775245	0.935141	0	blue	CD74
0	-2.6306	0.067426	0.662632	0	blue	HLA-DRA
2.61E-306	-0.60823	0.048116	0.398969	5.09E-306	blue	RNF130
7.26E-306	-0.59349	0.112694	0.487573	1.40E-305	blue	PGD

1.11E-303	-0.61055	0.126939	0.509168	2.10E-303	blue	CD63
3.31E-302	-0.5777	0.019626	0.356099	6.23E-302	blue	GNA15
4.92E-302	-0.66123	0.538145	0.747941	9.14E-302	blue	ENO1
5.26E-301	-0.93178	0.012029	0.340842	9.65E-301	blue	HLA-DQA1
1.62E-296	-0.64042	0.404242	0.698625	2.93E-296	blue	VAMP8
2.86E-292	-1.26467	0.446027	0.686734	5.13E-292	blue	TUBA1B
1.65E-289	-0.61378	0.001899	0.315271	2.93E-289	blue	MGST1
8.47E-288	-0.65272	0.002216	0.314412	1.48E-287	blue	FAM30A
1.18E-287	-0.57713	0.377335	0.665389	2.05E-287	blue	COX5A
2.83E-287	-0.66331	0.000317	0.31083	4.85E-287	blue	CD34
1.85E-280	-0.50617	0.070909	0.416911	3.13E-280	blue	PRDX3
9.52E-280	-0.56997	0.433048	0.720829	1.60E-279	blue	GNG5
2.72E-274	-0.7137	0.004115	0.306139	4.51E-274	blue	CSF3R
3.91E-272	0.507213	0.376701	0.144366	6.42E-272	blue	INPP4B
3.39E-260	-0.78835	0.001583	0.289557	5.50E-260	blue	SMIM24
9.00E-258	-0.58356	0.003482	0.291276	1.45E-257	blue	TCF4
2.20E-253	-0.56971	0.606204	0.76703	3.50E-253	blue	SLC25A5
2.63E-253	-0.73619	0.320671	0.607156	4.15E-253	blue	PRDX1
1.69E-250	-0.52446	0.162077	0.495917	2.63E-250	blue	YWHAE
7.55E-250	-0.50532	0.216841	0.558914	1.17E-249	blue	SET
1.04E-242	-0.506	0.002216	0.27584	1.58E-242	blue	SPI1
2.82E-242	-1.44054	0.00823	0.283576	4.27E-242	blue	IGLL1
1.44E-236	-0.69157	0.088636	0.400544	2.15E-236	blue	GRN
5.37E-236	-0.50721	0.00095	0.267424	7.98E-236	blue	CYTL1
2.21E-234	-2.11454	0.049066	0.334396	3.25E-234	blue	NKG7
8.75E-234	-0.90328	0.391263	0.640069	1.28E-233	blue	H2AFZ
2.11E-232	-0.52717	0.191516	0.514648	3.05E-232	blue	NAA38
1.44E-226	-0.5135	0.090852	0.397572	2.06E-226	blue	TUBA1C
3.77E-226	-0.54934	0.139285	0.446745	5.34E-226	blue	NASP
1.37E-218	-0.81525	0.992086	0.994341	1.93E-218	blue	FTL
9.54E-216	0.550341	0.510605	0.294642	1.33E-215	blue	RNF125
5.91E-215	-1.30064	0.026274	0.283719	8.15E-215	blue	FCER1G
2.32E-214	-0.83669	0.114593	0.410536	3.17E-214	blue	LST1
1.47E-211	-0.53254	0.173156	0.497672	2.00E-211	blue	ASAH1
3.91E-210	-0.88648	0.331117	0.638242	5.26E-210	blue	NEAT1
1.49E-209	-0.58986	0.024375	0.282501	1.98E-209	blue	H1FO
6.94E-208	-0.91473	0.3327	0.574099	9.17E-208	blue	AIF1
1.13E-206	-0.51448	0.065527	0.345176	1.48E-206	blue	CAPG
2.75E-205	-0.54715	0.076607	0.351049	3.58E-205	blue	MCM7
9.85E-204	-0.60189	0.010446	0.254137	1.27E-203	blue	HLA-DQA2
1.59E-203	-0.89879	0.029756	0.276449	2.03E-203	blue	SPINK2

4.77E-203	-0.58732	0.150364	0.429088	6.05E-203	blue	CDK6
1.59E-200	0.684124	0.550491	0.337977	2.00E-200	blue	NR4A2
1.26E-194	-0.63392	0.049383	0.304742	1.58E-194	blue	BLVRB
2.54E-192	-0.63385	0.063628	0.320966	3.14E-192	blue	CLEC11A
1.21E-189	-0.51125	0.472618	0.685803	1.49E-189	blue	RPL22L1
2.78E-188	-0.95823	0.452991	0.644366	3.39E-188	blue	TUBB
2.52E-178	0.500462	0.54321	0.377444	3.05E-178	blue	NDFIP1
3.67E-172	-0.61945	0.129471	0.38561	4.41E-172	blue	ITM2C
1.18E-166	-0.54362	0.055714	0.293425	1.41E-166	blue	CMC1
1.54E-159	0.612009	0.565369	0.445778	1.82E-159	blue	PTP4A1
3.39E-157	-2.47231	0.058246	0.27276	3.98E-157	blue	LYZ
1.82E-156	-0.60043	0.059829	0.283683	2.12E-156	blue	HOPX
2.99E-151	0.518723	0.501425	0.350978	3.46E-151	blue	FAM177A1
2.77E-150	0.508263	0.671098	0.550104	3.18E-150	blue	ZFP36L2
3.65E-149	-0.55123	0.396645	0.575818	4.16E-149	blue	NUCB2
5.09E-147	-0.56569	0.320671	0.507987	5.75E-147	blue	IMPDH2
3.64E-142	-0.51436	0.356758	0.549746	4.08E-142	blue	HSPD1
5.33E-140	-1.04544	0.181387	0.402049	5.93E-140	blue	LGALS1
1.44E-134	-0.60606	0.81798	0.860361	1.59E-134	blue	HMG2
1.64E-129	-1.10519	0.114277	0.317384	1.81E-129	blue	CST7
3.26E-121	-0.50972	0.358974	0.558269	3.56E-121	blue	DUT
1.09E-106	-0.73253	0.266223	0.48725	1.18E-106	blue	CTSS
4.08E-104	-0.51008	0.119658	0.31588	4.39E-104	blue	NAMPT
1.17E-99	-0.65223	0.358974	0.587028	1.25E-99	blue	CTSW
1.15E-97	-0.66495	0.505856	0.714419	1.22E-97	blue	PSAP
1.40E-67	-0.58575	0.550491	0.700988	1.48E-67	blue	TSPO
9.50E-52	-0.78147	0.471668	0.640212	9.95E-52	blue	SAT1
3.80E-51	-0.51301	0.289016	0.438328	3.95E-51	blue	DUSP1
9.47E-49	-0.67388	0.232985	0.359716	9.79E-49	blue	S100A11
2.52E-46	-0.52639	0.712884	0.8229	2.58E-46	blue	S100A4
7.96E-45	-0.5406	0.277303	0.424898	8.12E-45	blue	TIMP1
3.62E-09	-0.68295	0.310225	0.332426	3.66E-09	blue	AREG
5.27E-07	-1.33578	0.258626	0.209441	5.30E-07	blue	HBB
1.98E-116	0.785628	0.483465	0.145963	1.19E-115	red	S100A8
4.36E-106	0.600704	0.480315	0.149445	1.31E-105	red	S100A9
1.17E-84	0.505256	0.370079	0.108389	2.35E-84	red	VCAN
2.10E-77	0.522451	0.340157	0.101557	3.15E-77	red	S100A12
2.54E-22	-0.66389	0.171654	0.339355	3.04E-22	red	PRSS57
7.58E-17	-0.66787	0.111811	0.258589	7.58E-17	red	IGLL1
0	3.074676	0.946694	0.083685	0	darkred	GNLY
0	2.607935	0.929825	0.066286	0	darkred	GZMB

0	2.561113	1	0.270617	0	darkred	NKG7
0	2.439064	0.920378	0.095071	0	darkred	PRF1
0	2.299723	0.775978	0.077604	0	darkred	SPON2
0	2.132962	0.835358	0.070847	0	darkred	FGFBP2
0	2.103063	0.994602	0.261799	0	darkred	CST7
0	2.073091	0.747638	0.037603	0	darkred	CLIC3
0	1.941482	0.714575	0.083922	0	darkred	CCL4
0	1.937056	0.851552	0.064935	0	darkred	KLRD1
0	1.916512	0.803644	0.076692	0	darkred	KLRB1
0	1.91369	0.769906	0.042062	0	darkred	FCGR3A
0	1.908545	0.950067	0.144971	0	darkred	GZMA
0	1.875194	0.919703	0.20575	0	darkred	CD247
0	1.837485	0.788124	0.085037	0	darkred	IL2RB
0	1.828883	0.981107	0.542958	0	darkred	CTSW
0	1.765148	0.952767	0.382716	0	darkred	CD7
0	1.706626	0.822537	0.186155	0	darkred	CCL5
0	1.617661	0.65857	0.015237	0	darkred	KLRF1
0	1.565511	0.603914	0.005135	0	darkred	SH2D1B
0	1.554328	0.802294	0.233825	0	darkred	HOPX
0	1.492838	0.692982	0.248049	0	darkred	CMC1
0	1.489554	0.991228	0.551978	0	darkred	IFITM1
0	1.430575	0.762483	0.309233	0	darkred	APMAP
0	1.429188	0.371795	0.00652	0	darkred	KIR3DL1
0	1.38155	0.497301	0.02446	0	darkred	TRDC
0	1.374153	0.651822	0.089192	0	darkred	GZMH
0	1.357559	0.969636	0.764046	0	darkred	IFITM2
0	1.34622	0.825911	0.223825	0	darkred	GZMM
0	1.34422	0.591768	0.096929	0	darkred	TTC38
0	1.320395	0.962213	0.628163	0	darkred	ITGB2
0	1.309437	0.423077	0.028008	0	darkred	XCL2
0	1.296667	0.896086	0.501098	0	darkred	LITAF
0	1.273772	0.641026	0.135917	0	darkred	SH2D2A
0	1.273067	0.816464	0.229569	0	darkred	FCER1G
0	1.26779	0.525641	0.031589	0	darkred	S1PR5
0	1.192947	0.925101	0.697422	0	darkred	ZFP36
0	1.179591	0.545209	0.146221	0	darkred	TRBC1
0	1.178555	0.557355	0.205243	0	darkred	ADGRG1
0	1.178152	0.311741	0.009798	0	darkred	KLRC1
0	1.149351	0.589744	0.167202	0	darkred	AOAH
0	1.139857	0.972335	0.292915	0	darkred	TYROBP
0	1.124858	0.646424	0.241089	0	darkred	ALOX5AP

0	1.107143	0.280027	0.002534	0	darkred	KIR2DL1
0	1.103172	0.446019	0.036961	0	darkred	PRSS23
0	1.092414	0.701754	0.254671	0	darkred	ZAP70
0	1.088725	0.387314	0.026014	0	darkred	CX3CR1
0	1.085174	0.646424	0.287645	0	darkred	GNG2
0	1.04977	0.48448	0.069428	0	darkred	NCR3
0	1.020606	0.312416	0.017399	0	darkred	LAIR2
0	1.019658	0.449393	0.051522	0	darkred	FCRL6
0	0.999198	0.410931	0.031521	0	darkred	PTGDR
0	0.991488	0.562078	0.138417	0	darkred	FGR
0	0.979909	0.659919	0.287138	0	darkred	ARL4C
0	0.964081	0.794197	0.5187	0	darkred	RARRES3
0	0.951522	0.429825	0.062975	0	darkred	PYHIN1
0	0.950849	0.931849	0.643806	0	darkred	HCST
0	0.947687	1	0.992905	0	darkred	HLA-C
0	0.94643	0.349528	0.010068	0	darkred	NCR1
0	0.916242	0.458165	0.087233	0	darkred	SAMD3
0	0.90955	0.99865	0.985608	0	darkred	HLA-A
0	0.894692	1	0.999662	0	darkred	B2M
0	0.889321	0.995277	0.944525	0	darkred	HLA-E
0	0.887209	0.520918	0.164702	0	darkred	DOK2
0	0.881846	0.31444	0.022805	0	darkred	CD160
0	0.86456	0.964912	0.890807	0	darkred	MYL12A
0	0.857267	0.977733	0.880672	0	darkred	CALM1
0	0.844737	0.917004	0.739518	0	darkred	PTPRC
0	0.815826	1	0.997263	0	darkred	HLA-B
0	0.805771	0.997976	0.978817	0	darkred	PFN1
0	0.804206	0.397436	0.090814	0	darkred	ITGAM
0	0.804175	0.364372	0.071793	0	darkred	TXK
0	0.802664	0.259109	0.013379	0	darkred	KLRC3
0	0.783208	0.331309	0.065408	0	darkred	ABI3
0	0.777996	0.94197	0.851583	0	darkred	RAC2
0	0.766335	0.355601	0.065881	0	darkred	TGFBR3
0	0.737632	0.27193	0.010879	0	darkred	IL18RAP
0	0.729419	0.930499	0.865908	0	darkred	ARPC2
0	0.669098	0.280702	0.039528	0	darkred	TIGIT
0	0.584848	1	0.993378	0	darkred	TMSB4X
0	-0.50245	0.996626	0.998716	0	darkred	RPL35A
0	-0.50267	0.999325	0.999223	0	darkred	RPL34
0	-0.50574	0.99865	0.99902	0	darkred	RPL18
0	-0.51637	0.997301	0.999324	0	darkred	RPS24

0	-0.52813	0.982456	0.995878	0	darkred	RPS21
0	-0.56748	0.997976	0.998851	0	darkred	RPS3A
0	-0.57039	0.999325	0.998986	0	darkred	RPL13
0	-0.57216	0.999325	0.998716	0	darkred	RPL12
0	-0.5815	0.977058	0.994662	0	darkred	RPL36
0	-0.58556	0.979757	0.993277	0	darkred	RACK1
0	-0.59197	0.980432	0.994561	0	darkred	RPL9
0	-0.60038	0.999325	0.999358	0	darkred	RPL11
0	-0.60369	0.956815	0.980168	0	darkred	RPL10A
0	-0.60449	0.962213	0.994865	0	darkred	RPL22
0	-0.60657	1	0.999831	0	darkred	RPLP1
0	-0.60832	0.995277	0.999122	0	darkred	RPL8
0	-0.62453	0.987854	0.993108	0	darkred	RPL5
0	-0.64924	0.969636	0.993682	0	darkred	RPS9
0	-0.65062	1	0.999358	0	darkred	RPS12
0	-0.65545	0.99865	0.997804	0	darkred	RPS4X
0	-0.66014	0.997976	0.999257	0	darkred	RPL39
0	-0.66579	0.867072	0.975979	0	darkred	RPL7
0	-0.67238	0.999325	0.999054	0	darkred	RPS23
0	-0.69432	0.99865	0.998649	0	darkred	RPL18A
0	-0.72239	0.999325	0.999291	0	darkred	RPL32
0	-0.72388	0.993252	0.993513	0	darkred	RPS6
0	-0.74054	0.975034	0.983108	0	darkred	RPS5
0	-0.76101	0.99865	0.999054	0	darkred	RPS13
0	-0.79357	0.997301	0.996351	0	darkred	RPS18
0	-0.83701	0.997976	0.999561	0	darkred	RPS8
0	-0.97314	0.982456	0.99598	0	darkred	RPLP0
0	-1.0208	0.475709	0.824116	0	darkred	LDHB
0	-1.31334	0.568826	0.92422	0	darkred	VIM
0	-1.61995	0.012146	0.576472	0	darkred	AIF1
1.27E-307	-0.70665	0.936572	0.968208	3.89E-307	darkred	EEF1B2
9.35E-307	-1.03848	0.589744	0.907733	2.83E-306	darkred	RPS2
8.98E-302	0.93623	0.502024	0.173013	2.69E-301	darkred	ADAM8
4.31E-301	0.878758	0.25776	0.041285	1.28E-300	darkred	CCL3
4.80E-299	0.699504	0.310391	0.062029	1.42E-298	darkred	ZBP1
1.51E-291	0.837598	0.508097	0.165749	4.40E-291	darkred	SYNE2
3.36E-290	0.890632	0.420378	0.123416	9.73E-290	darkred	SLA2
1.22E-287	0.940526	0.784076	0.452279	3.51E-287	darkred	TRBC2
1.33E-287	-0.60888	0.879217	0.970607	3.79E-287	darkred	RPL4
4.05E-283	-2.2238	0.1417	0.62519	1.15E-282	darkred	HLA-DRA
5.71E-281	0.914222	0.590418	0.251833	1.60E-280	darkred	PRKCH

1.70E-280	0.840377	0.491228	0.165816	4.74E-280	darkred	SYTL3
1.75E-272	0.516302	0.989204	0.977161	4.85E-272	darkred	CFL1
6.09E-269	-0.52627	0.912281	0.988141	1.67E-268	darkred	PABPC1
6.06E-266	-0.8678	0.792173	0.925031	1.65E-265	darkred	NPM1
3.90E-258	0.937025	0.719973	0.473225	1.05E-257	darkred	BIN2
3.47E-254	0.77755	0.845479	0.572587	9.29E-254	darkred	EVL
1.63E-249	0.636022	0.932524	0.79827	4.33E-249	darkred	LSP1
7.45E-239	-0.76327	0.008097	0.473732	1.97E-238	darkred	SPINT2
1.48E-238	0.822932	0.497976	0.193182	3.87E-238	darkred	C12orf75
3.93E-237	0.952549	0.701754	0.431704	1.02E-236	darkred	IRF1
6.66E-231	0.933693	0.512821	0.232778	1.72E-230	darkred	TPST2
1.15E-227	0.824119	0.4278	0.150309	2.94E-227	darkred	RUNX3
8.95E-219	-0.63478	0.734818	0.92422	2.28E-218	darkred	HINT1
8.96E-218	0.799921	0.456815	0.17683	2.26E-217	darkred	SYNE1
4.33E-215	0.890501	0.439271	0.174465	1.09E-214	darkred	CD300A
4.59E-215	0.929017	0.676788	0.398763	1.14E-214	darkred	DDIT4
5.41E-214	0.933679	0.840081	0.706882	1.34E-213	darkred	IER2
2.35E-213	0.671518	0.280702	0.069698	5.76E-213	darkred	RHOC
8.41E-213	0.9246	0.633603	0.401365	2.05E-212	darkred	ARHGAP9
6.93E-210	-0.77317	0.402834	0.801784	1.68E-209	darkred	ZFAS1
1.40E-209	0.807476	0.757085	0.632893	3.37E-209	darkred	RAP1B
7.18E-209	0.706966	0.379217	0.125241	1.71E-208	darkred	RAB29
7.91E-206	-1.27807	0.168016	0.602588	1.88E-205	darkred	HLA-DRB5
9.33E-205	0.709719	0.362348	0.112673	2.20E-204	darkred	GBP5
2.50E-204	0.687965	0.334008	0.098888	5.85E-204	darkred	GPR65
4.48E-204	0.556766	0.908907	0.805264	1.04E-203	darkred	CD99
9.18E-201	-0.51017	0.931849	0.968411	2.12E-200	darkred	EEF2
1.39E-198	-0.89211	0.239541	0.659347	3.20E-198	darkred	TKT
3.42E-198	0.556498	0.923077	0.868273	7.79E-198	darkred	UBB
9.98E-198	-0.68593	0.434548	0.802865	2.26E-197	darkred	EIF3E
3.04E-197	-0.74393	0.290823	0.722964	6.85E-197	darkred	NAP1L1
1.82E-195	-0.85939	0.239541	0.637386	4.08E-195	darkred	TALDO1
4.42E-194	0.767312	0.877868	0.789419	9.83E-194	darkred	TXNIP
2.03E-192	-0.80732	0.656545	0.879624	4.48E-192	darkred	HSP90AB1
4.82E-191	0.666156	0.635628	0.303895	1.06E-190	darkred	LCK
1.04E-189	0.533097	0.908232	0.876685	2.26E-189	darkred	YWHAZ
1.14E-186	-0.64798	0.107962	0.556404	2.48E-186	darkred	RGS10
4.95E-186	0.761198	0.68556	0.504679	1.07E-185	darkred	PAXX
1.66E-184	-0.8624	0.095142	0.519139	3.56E-184	darkred	HLA-DMA
1.92E-184	-0.71441	0.044534	0.456941	4.08E-184	darkred	TMEM14C
1.33E-182	0.750184	0.732119	0.528194	2.81E-182	darkred	FLNA

4.28E-182	0.739182	0.746964	0.650258	9.00E-182	darkred	MSN
1.85E-180	-0.86636	0.178138	0.598061	3.87E-180	darkred	PRDX1
2.72E-180	0.683179	0.810391	0.724653	5.64E-180	darkred	LCP1
6.61E-180	0.840213	0.425101	0.187574	1.36E-179	darkred	C1orf21
2.25E-178	-0.62202	0.068151	0.485827	4.61E-178	darkred	SYPL1
1.40E-175	0.86788	0.55803	0.316869	2.85E-175	darkred	SELPLG
8.42E-175	-0.62294	0.010796	0.388121	1.71E-174	darkred	BEX3
1.39E-174	0.745838	0.42915	0.178722	2.81E-174	darkred	ITGAL
2.40E-174	0.698194	0.298246	0.093415	4.82E-174	darkred	CD244
3.43E-174	0.745596	0.657895	0.417784	6.84E-174	darkred	HLA-F
2.89E-172	-0.8863	0.007422	0.377209	5.73E-172	darkred	ITM2C
5.59E-172	-0.65032	0.345479	0.736038	1.10E-171	darkred	ANP32B
1.86E-171	-0.98738	0.021592	0.398426	3.65E-171	darkred	LST1
1.23E-170	-1.3668	0.122807	0.495523	2.41E-170	darkred	STMN1
1.77E-170	-0.84804	0.120108	0.507416	3.44E-170	darkred	IMPDH2
3.42E-170	0.781168	0.682186	0.516436	6.60E-170	darkred	SLC9A3R1
5.62E-170	0.655312	0.748988	0.656982	1.08E-169	darkred	7-Sep
2.67E-168	-0.67755	0.136977	0.56583	5.09E-168	darkred	PLP2
1.11E-167	0.824745	0.568151	0.353863	2.10E-167	darkred	OSTF1
2.91E-166	0.809449	0.377868	0.147539	5.48E-166	darkred	SERTAD1
2.92E-166	0.684064	0.428475	0.174499	5.48E-166	darkred	FYN
1.36E-165	-1.29039	0.291498	0.658536	2.54E-165	darkred	HLA-DRB1
2.43E-162	0.682182	0.487179	0.231055	4.51E-162	darkred	SKAP1
7.95E-161	0.749172	0.497301	0.248319	1.47E-160	darkred	MYO1F
5.85E-159	-0.98041	0.044534	0.410115	1.08E-158	darkred	SOX4
1.92E-157	0.702172	0.369096	0.146863	3.51E-157	darkred	PTPN4
2.52E-156	0.824026	0.597841	0.425521	4.58E-156	darkred	CTSC
8.22E-155	0.71777	0.321188	0.117605	1.49E-154	darkred	CEP78
1.20E-154	0.727354	0.551957	0.294605	2.17E-154	darkred	ID2
8.23E-154	-0.74134	0.165992	0.548363	1.47E-153	darkred	HSPD1
2.76E-153	0.731099	0.643725	0.478158	4.91E-153	darkred	WIPF1
4.77E-152	-0.5926	0.020243	0.367884	8.45E-152	darkred	CD82
5.83E-152	0.763788	0.415655	0.189196	1.03E-151	darkred	APOBEC3G
2.14E-151	-0.50902	0.138327	0.558465	3.75E-151	darkred	TMEM123
7.19E-151	0.520718	0.904858	0.816278	1.26E-150	darkred	CORO1A
2.12E-150	-0.53832	0.000675	0.331802	3.69E-150	darkred	ARMH1
1.08E-149	-0.59855	0.004723	0.337782	1.87E-149	darkred	GNA15
4.04E-149	0.675137	0.740891	0.646035	6.94E-149	darkred	LY6E
3.68E-148	-0.9852	0.037112	0.38481	6.30E-148	darkred	HLA-DQB1
1.34E-146	-0.55867	0.076248	0.45211	2.28E-146	darkred	RILPL2
3.76E-146	-0.52973	0.111336	0.504814	6.38E-146	darkred	PPA1

2.89E-145	0.706086	0.409582	0.187506	4.88E-145	darkred	PXN
3.72E-145	-0.66527	0.137652	0.516301	6.25E-145	darkred	H2AFY
2.10E-144	0.662079	0.458165	0.209331	3.52E-144	darkred	GIMAP7
4.48E-144	-0.53881	0.271255	0.679618	7.46E-144	darkred	RSL1D1
2.07E-143	-0.65714	0.00135	0.321159	3.43E-143	darkred	EGFL7
2.24E-141	-1.38171	0.087045	0.411973	3.70E-141	darkred	LTB
4.26E-141	0.799654	0.382591	0.17683	6.99E-141	darkred	MATK
7.31E-141	0.76615	0.593792	0.362005	1.19E-140	darkred	MAP3K8
9.24E-140	-0.58561	0.152497	0.541437	1.50E-139	darkred	HSPB1
3.67E-139	0.713686	0.553306	0.335687	5.93E-139	darkred	PLEK
3.76E-139	0.721043	0.570175	0.359269	6.06E-139	darkred	RNF213
8.57E-139	0.652863	0.325236	0.123754	1.37E-138	darkred	EFHD2
1.29E-138	-0.77556	0.049933	0.38329	2.06E-138	darkred	AC084033.3
5.53E-138	-0.54839	0.334008	0.70053	8.79E-138	darkred	PEBP1
8.24E-138	-0.65562	0.048583	0.38731	1.30E-137	darkred	FABP5
5.90E-137	0.815072	0.418354	0.204635	9.28E-137	darkred	BHLHE40
1.47E-135	-1.56269	0.08502	0.424136	2.30E-135	darkred	CST3
4.79E-135	0.807879	0.462213	0.266327	7.48E-135	darkred	CHST12
5.03E-135	-0.53742	0.043185	0.379337	7.81E-135	darkred	RNF130
1.84E-132	0.697347	0.526991	0.312646	2.85E-132	darkred	ADGRE5
7.14E-132	0.61183	0.692308	0.518936	1.10E-131	darkred	CCND3
5.44E-130	-0.57192	0.020243	0.331599	8.33E-130	darkred	CAPG
8.57E-130	0.581773	0.334683	0.133214	1.31E-129	darkred	STAT4
1.18E-129	-0.58706	0.00135	0.297544	1.79E-129	darkred	MGST1
4.97E-129	-0.65362	0.124831	0.472651	7.51E-129	darkred	CAT
4.40E-128	0.680187	0.6417	0.490354	6.63E-128	darkred	ANXA6
2.58E-127	-0.62113	0.003374	0.296665	3.86E-127	darkred	FAM30A
4.14E-127	0.649688	0.607962	0.41917	6.18E-127	darkred	TBC1D10C
6.98E-127	-0.5995	0.031714	0.344505	1.04E-126	darkred	FCGRT
1.69E-126	-0.62787	0.002024	0.293152	2.50E-126	darkred	CD34
1.15E-125	-0.50375	0.291498	0.681442	1.69E-125	darkred	SNHG8
3.67E-125	0.597941	0.730094	0.675631	5.39E-125	darkred	PDIA3
5.09E-121	-0.67555	0.005398	0.288962	7.45E-121	darkred	CSF3R
3.46E-119	-0.51774	0.020918	0.313592	5.04E-119	darkred	MEF2C
6.50E-119	0.539554	0.721997	0.674617	9.42E-119	darkred	PPP1CA
6.66E-119	0.659748	0.352227	0.153721	9.63E-119	darkred	CEMIP2
7.43E-117	-0.61293	0.2861	0.602655	1.07E-116	darkred	TXN
8.02E-116	0.537591	0.311741	0.121896	1.15E-115	darkred	RORA
1.78E-113	0.631795	0.585695	0.412176	2.54E-113	darkred	IQGAP1
1.84E-113	0.529302	0.34413	0.143654	2.61E-113	darkred	LINC00861
1.52E-111	0.582673	0.695007	0.612386	2.16E-111	darkred	PSMB9

2.41E-111	-0.73757	0.007422	0.272948	3.40E-111	darkred	SMIM24
1.99E-110	-1.39872	0.005398	0.268117	2.80E-110	darkred	IGLL1
1.26E-109	-0.91374	0.065452	0.349471	1.75E-109	darkred	PRSS57
1.26E-109	-1.29926	0.033063	0.302949	1.75E-109	darkred	IL7R
4.88E-109	0.623818	0.398785	0.207068	6.78E-109	darkred	SUN2
2.72E-107	-0.59531	0.008097	0.268692	3.76E-107	darkred	H1F0
6.76E-107	0.5993	0.255061	0.095882	9.30E-107	darkred	GK5
1.35E-106	0.656567	0.630904	0.525997	1.86E-106	darkred	CD53
1.69E-106	0.689391	0.5	0.3292	2.31E-106	darkred	CDC42SE1
7.85E-106	0.732104	0.402834	0.223926	1.07E-105	darkred	JAK1
2.22E-105	0.659632	0.604588	0.483665	3.01E-105	darkred	PRMT2
2.86E-105	0.632991	0.364372	0.176459	3.86E-105	darkred	DENND2D
9.86E-105	-0.62301	0.175439	0.500591	1.33E-104	darkred	GLUL
1.06E-104	-0.82222	0.988529	0.996892	1.42E-104	darkred	FTH1
1.70E-104	0.656672	0.47166	0.287239	2.27E-104	darkred	AKNA
1.78E-104	-0.59416	0.082996	0.383155	2.36E-104	darkred	GRN
7.51E-104	0.656862	0.455466	0.27359	9.94E-104	darkred	RASSF5
4.68E-103	-0.88473	0.011471	0.263387	6.18E-103	darkred	SPINK2
1.50E-101	-0.50198	0.017544	0.274266	1.98E-101	darkred	TCF4
9.29E-101	0.66659	0.602564	0.477955	1.22E-100	darkred	IFITM3
5.54E-100	-0.75441	0.049258	0.320349	7.23E-100	darkred	HLA-DQA1
9.73E-100	-0.58617	0.134278	0.443697	1.26E-99	darkred	FOSB
9.16E-99	0.669587	0.504049	0.356769	1.19E-98	darkred	SYTL1
9.67E-99	-0.77357	0.061404	0.332342	1.25E-98	darkred	CD3D
3.95E-98	0.756591	0.482456	0.337647	5.08E-98	darkred	HSH2D
1.06E-97	0.654653	0.525641	0.375553	1.36E-97	darkred	PPP1R18
6.56E-97	0.532423	0.458165	0.256191	8.37E-97	darkred	LBH
7.03E-96	0.650843	0.473684	0.306531	8.94E-96	darkred	SLC44A2
1.68E-94	0.594393	0.624831	0.571438	2.14E-94	darkred	BZW1
2.12E-94	-0.56141	0.232119	0.55333	2.68E-94	darkred	DUT
3.57E-94	0.592831	0.603239	0.492314	4.49E-94	darkred	PLAC8
3.19E-92	0.608056	0.475709	0.3167	4.00E-92	darkred	RHOF
1.69E-91	-0.51959	0.130229	0.414305	2.11E-91	darkred	CDK6
4.32E-91	0.620804	0.552632	0.454272	5.37E-91	darkred	DHRS7
2.39E-90	0.557914	0.628205	0.519409	2.97E-90	darkred	CYBA
1.07E-87	0.653543	0.472335	0.32447	1.32E-87	darkred	SASH3
9.46E-86	0.642607	0.443995	0.279165	1.16E-85	darkred	PPP2R5C
1.28E-82	-0.6926	0.037112	0.264333	1.57E-82	darkred	NCF1
4.78E-82	0.636649	0.417679	0.263218	5.85E-82	darkred	UTRN
1.46E-81	0.51488	0.661943	0.629312	1.77E-81	darkred	CAP1
1.52E-81	0.624346	0.356275	0.198486	1.85E-81	darkred	BTN3A2

2.70E-81	0.539736	0.645749	0.618737	3.26E-81	darkred	TAPBP
7.15E-81	0.511899	0.623482	0.590189	8.62E-81	darkred	BSG
2.75E-80	0.591059	0.558704	0.465894	3.30E-80	darkred	CD63
3.86E-80	0.601791	0.612011	0.583331	4.63E-80	darkred	PSMB10
6.79E-78	-0.55434	0.068151	0.307341	8.11E-78	darkred	NAMPT
7.21E-78	-0.51406	0.067476	0.306193	8.58E-78	darkred	CLEC11A
7.42E-78	0.54112	0.267881	0.123349	8.80E-78	darkred	AC012615.1
1.08E-77	-0.60252	0.976383	0.970269	1.27E-77	darkred	GAPDH
2.36E-77	-0.59384	0.04251	0.262272	2.77E-77	darkred	CD3G
7.62E-77	-0.50234	0.304318	0.57029	8.94E-77	darkred	NUCB2
2.68E-76	0.686801	0.509447	0.352073	3.13E-76	darkred	NR4A2
1.83E-74	0.532714	0.261134	0.121187	2.13E-74	darkred	DIP2A
2.17E-74	0.634581	0.394737	0.244299	2.52E-74	darkred	PDE4D
1.31E-73	0.536218	0.709177	0.671779	1.52E-73	darkred	HSPA5
1.09E-72	0.652271	0.576923	0.469813	1.26E-72	darkred	MT2A
5.51E-72	0.514288	0.620108	0.5486	6.34E-72	darkred	ARHGEF1
3.37E-70	0.609496	0.523617	0.457347	3.87E-70	darkred	FAM49B
4.20E-69	-0.80198	0.388664	0.636744	4.80E-69	darkred	TUBB
7.41E-69	-2.37006	0.059379	0.260549	8.45E-69	darkred	LYZ
5.96E-62	0.5614	0.381242	0.251191	6.77E-62	darkred	STK10
2.28E-61	0.532516	0.340081	0.204602	2.58E-61	darkred	OPTN
1.14E-60	0.563841	0.398111	0.275888	1.28E-60	darkred	TAP1
5.77E-60	0.553403	0.579622	0.539545	6.49E-60	darkred	RSRP1
3.10E-59	0.551718	0.311741	0.184905	3.48E-59	darkred	TSEN54
1.04E-58	0.532645	0.252362	0.131288	1.17E-58	darkred	UBE2F
1.49E-58	0.626477	0.337382	0.219568	1.66E-58	darkred	MCTP2
1.73E-58	0.59069	0.262483	0.140613	1.92E-58	darkred	GTF3C1
2.06E-58	0.595304	0.437922	0.333491	2.28E-58	darkred	CDK2AP2
2.51E-58	0.521207	0.35695	0.224197	2.78E-58	darkred	GLIPR2
4.49E-57	-0.71261	0.448043	0.661036	4.95E-57	darkred	HLA-DPA1
4.78E-56	0.637438	0.381916	0.275617	5.24E-56	darkred	STOM
8.58E-56	0.627393	0.390688	0.289469	9.38E-56	darkred	G6PD
9.40E-56	0.56363	0.445344	0.34937	1.02E-55	darkred	SORL1
3.02E-55	0.61041	0.406208	0.30849	3.29E-55	darkred	ARPC5L
1.36E-54	-0.5356	0.417004	0.61948	1.47E-54	darkred	SERPINB1
1.76E-54	-0.57975	0.182186	0.421298	1.90E-54	darkred	TIMP1
1.96E-53	-1.23069	0.91498	0.919085	2.11E-53	darkred	CD74
2.37E-53	0.545096	0.487854	0.411129	2.54E-53	darkred	CLEC2B
5.55E-52	0.537124	0.502024	0.453292	5.94E-52	darkred	SPSB3
2.70E-51	-0.62875	0.407557	0.625156	2.88E-51	darkred	H2AFZ
7.37E-50	0.575859	0.426451	0.348289	7.84E-50	darkred	ACTN4

3.96E-49	0.543701	0.374494	0.269029	4.20E-49	darkred	MBP
3.64E-48	0.551654	0.405533	0.300889	3.85E-48	darkred	LYAR
7.41E-48	0.583405	0.429825	0.358897	7.82E-48	darkred	MAPRE2
1.32E-47	0.517293	0.326586	0.219433	1.39E-47	darkred	RPS6KA1
2.24E-45	0.509421	0.532389	0.427278	2.35E-45	darkred	GADD45B
1.19E-43	0.530094	0.320513	0.208081	1.24E-43	darkred	TENT5C
2.42E-43	0.548008	0.397436	0.311497	2.52E-43	darkred	CFLAR
1.88E-42	0.504826	0.410256	0.311902	1.96E-42	darkred	RNF125
5.14E-40	0.529428	0.323887	0.231866	5.32E-40	darkred	LASP1
1.79E-39	-0.54131	0.432524	0.698368	1.85E-39	darkred	TSPO
6.42E-38	-0.82566	0.539811	0.668401	6.60E-38	darkred	TUBA1B
2.86E-37	-0.57693	0.367072	0.606743	2.93E-37	darkred	HIST1H4C
3.52E-35	0.605323	0.297571	0.217676	3.60E-35	darkred	AKR1C3
1.70E-33	0.525218	0.312416	0.22494	1.73E-33	darkred	IFNGR1
9.34E-32	-0.51125	0.279352	0.407446	9.50E-32	darkred	CD3E
1.85E-30	-0.63038	0.991228	0.994257	1.87E-30	darkred	FTL
1.77E-22	0.500164	0.292173	0.235751	1.79E-22	darkred	CD38
2.33E-16	0.500423	0.367746	0.345451	2.35E-16	darkred	AC007952.4
2.01E-14	-0.67099	0.454116	0.631542	2.02E-14	darkred	SAT1
2.02E-07	-1.11334	0.261134	0.212102	2.03E-07	darkred	HBB
0.000285	-0.56197	0.807018	0.824622	0.000285	darkred	S100A6
0	1.244311	0.790847	0.149945	0	lightcyan	TCF7
0	1.163169	0.713691	0.110068	0	lightcyan	CCR7
0	1.100863	0.695159	0.115624	0	lightcyan	LEF1
0	1.070133	0.853253	0.476984	0	lightcyan	NOSIP
0	1.060064	0.877458	0.235468	0	lightcyan	IL7R
0	1.028872	0.995083	0.346134	0	lightcyan	CD3E
0	1.003597	0.33056	0.042621	0	lightcyan	LINC02446
0	0.997138	0.441755	0.123642	0	lightcyan	CD8B
0	0.950281	0.784418	0.24556	0	lightcyan	PIK3IP1
0	0.907634	0.713313	0.213665	0	lightcyan	FLT3LG
0	0.891548	0.558245	0.086296	0	lightcyan	MAL
0	0.877628	0.88767	0.266589	0	lightcyan	CD3D
0	0.875578	0.619894	0.166508	0	lightcyan	OXNAD1
0	0.872268	0.613843	0.127862	0	lightcyan	CD27
0	0.862842	0.609304	0.121813	0	lightcyan	CAMK4
0	0.855803	0.996218	0.897739	0	lightcyan	SARAF
0	0.849646	0.549168	0.140591	0	lightcyan	LDLRAP1
0	0.843637	0.501513	0.075535	0	lightcyan	NELL2
0	0.835631	0.923979	0.347435	0	lightcyan	LTB
0	0.817384	0.857035	0.526568	0	lightcyan	LEPROTL1

0	0.811596	0.899395	0.364384	0	lightcyan	CD7
0	0.780221	0.879349	0.460878	0	lightcyan	FYB1
0	0.744576	0.577912	0.225375	0	lightcyan	ABLIM1
0	0.738697	0.798411	0.510532	0	lightcyan	RGS10
0	0.736115	0.613086	0.246404	0	lightcyan	MGAT4A
0	0.731382	0.720877	0.208179	0	lightcyan	CD3G
0	0.729713	0.50416	0.120582	0	lightcyan	LINC00861
0	0.720899	0.783283	0.276611	0	lightcyan	LCK
0	0.71813	0.916793	0.554805	0	lightcyan	EVL
0	0.703076	0.947806	0.754826	0	lightcyan	JUNB
0	0.698167	0.405825	0.059254	0	lightcyan	TRABD2A
0	0.659078	0.512103	0.198122	0	lightcyan	DGKA
0	0.646591	0.677005	0.364173	0	lightcyan	TRAF3IP3
0	0.642883	0.721256	0.467876	0	lightcyan	PRMT2
0	0.641679	0.975794	0.535464	0	lightcyan	IFITM1
0	0.625872	0.783661	0.469177	0	lightcyan	AES
0	0.613213	0.700076	0.26666	0	lightcyan	SPOCK2
0	0.594786	0.442133	0.109892	0	lightcyan	ITK
0	0.592904	0.581694	0.236453	0	lightcyan	LBH
0	0.587585	0.594554	0.236277	0	lightcyan	LAT
0	0.574413	0.928896	0.768893	0	lightcyan	C12orf57
0	0.570432	0.999622	0.994127	0	lightcyan	RPS27
0	0.538076	0.365734	0.07768	0	lightcyan	BCL11B
0	0.505251	0.283283	0.069733	0	lightcyan	EPHX2
0	0.503297	0.361952	0.09674	0	lightcyan	AQP3
0	0.502879	0.274962	0.036783	0	lightcyan	LINC01550
0	0.50003	0.462935	0.147203	0	lightcyan	CD5
0	-0.69695	0.638427	0.851215	0	lightcyan	TAGLN2
0	-0.75355	0.509077	0.838204	0	lightcyan	CD99
0	-0.76151	0.056732	0.473011	0	lightcyan	APLP2
0	-0.86943	0.871785	0.95745	0	lightcyan	H3F3A
0	-0.87125	0.00643	0.470338	0	lightcyan	ZEB2
0	-0.90594	0.84531	0.927032	0	lightcyan	HMGB1
0	-0.94668	0.286309	0.649295	0	lightcyan	TALDO1
0	-0.98311	0.009077	0.406899	0	lightcyan	MAP3K8
0	-1.06643	0.296142	0.638991	0	lightcyan	SERPINB1
0	-1.07835	0.041982	0.526286	0	lightcyan	GLUL
0	-1.08858	0.163011	0.627035	0	lightcyan	TXN
0	-1.08966	0.041982	0.541407	0	lightcyan	HLA-DMA
0	-1.1389	0.01059	0.401484	0	lightcyan	HLA-DQB1
0	-1.1659	0.380484	0.834758	0	lightcyan	CLIC1

0	-1.18944	0.594175	0.849246	0	lightcyan	SRGN
0	-1.31181	0.94289	0.973134	0	lightcyan	GAPDH
0	-1.32453	0.396747	0.769033	0	lightcyan	GSTP1
0	-1.59614	0.151664	0.699335	0	lightcyan	HLA-DPB1
0	-1.81629	0.087368	0.703274	0	lightcyan	HLA-DPA1
0	-1.84183	0.010212	0.444948	0	lightcyan	CST3
0	-1.93545	0.009455	0.635088	0	lightcyan	HLA-DRB5
0	-2.31041	0.019667	0.698808	0	lightcyan	HLA-DRB1
0	-2.69179	0.678517	0.941239	0	lightcyan	CD74
0	-2.78464	0.025719	0.65573	0	lightcyan	HLA-DRA
6.15E-307	-0.78993	0.142209	0.53135	1.74E-306	lightcyan	H2AFY
6.22E-307	0.554458	0.757564	0.418785	1.74E-306	lightcyan	CD48
1.35E-304	-0.83069	0.006051	0.377677	3.73E-304	lightcyan	PLEK
1.60E-304	-0.73174	0.207262	0.621901	4.35E-304	lightcyan	ATP6V0B
2.12E-302	-0.65944	0.746218	0.873123	5.68E-302	lightcyan	HSP90AA1
4.48E-302	-0.93573	0.996974	0.996448	1.19E-301	lightcyan	FTH1
1.52E-300	0.519327	0.366112	0.116327	3.98E-300	lightcyan	PDE3B
6.34E-300	0.51294	0.934191	0.780568	1.64E-299	lightcyan	TXNIP
1.73E-298	-1.23467	0.003026	0.366881	4.42E-298	lightcyan	PRSS57
1.82E-298	0.512115	0.610439	0.264585	4.59E-298	lightcyan	FCMR
1.97E-298	-0.67513	0.386914	0.727046	4.89E-298	lightcyan	SEC61B
1.07E-294	-0.83542	0.366112	0.664733	2.63E-294	lightcyan	TKT
2.50E-294	-0.71208	0.001513	0.361958	6.06E-294	lightcyan	LAT2
2.56E-293	-0.96957	0.045008	0.42501	6.14E-293	lightcyan	SOX4
1.53E-289	-0.63708	0.033661	0.407357	3.63E-289	lightcyan	DDAH2
4.50E-285	-0.63393	0.000378	0.351795	1.06E-284	lightcyan	GNA15
1.90E-284	-0.53205	0.800681	0.924887	4.40E-284	lightcyan	ARPC3
7.94E-284	-0.66103	0.108548	0.503956	1.82E-283	lightcyan	CD63
1.88E-275	-0.64811	0.529879	0.759503	4.25E-275	lightcyan	TPI1
2.92E-275	-0.71301	0.128971	0.51644	6.54E-275	lightcyan	PYCARD
2.37E-273	-2.02412	0.010968	0.354538	5.25E-273	lightcyan	TYROBP
1.75E-271	0.506983	0.496974	0.195555	3.84E-271	lightcyan	GIMAP7
5.83E-271	-0.74556	0.04652	0.401343	1.26E-270	lightcyan	FABP5
1.01E-270	-0.72403	0.068835	0.436509	2.18E-270	lightcyan	TUBB4B
1.69E-270	-0.62013	0.354387	0.662306	3.59E-270	lightcyan	COX5A
8.12E-268	-0.6197	0.403933	0.718325	1.71E-267	lightcyan	GNG5
9.50E-265	-0.53425	0.001513	0.334916	1.98E-264	lightcyan	SYK
3.01E-264	-0.67624	0.001513	0.334212	6.19E-264	lightcyan	EGFL7
1.22E-263	-1.56183	0.065809	0.408798	2.49E-263	lightcyan	LGALS1
3.22E-262	-0.9463	0.003782	0.335654	6.50E-262	lightcyan	HLA-DQA1
2.82E-260	-0.5782	0.125567	0.501248	5.65E-260	lightcyan	COMT

1.05E-258	-0.60519	0.043116	0.393079	2.08E-258	lightcyan	RNF130
1.25E-258	-1.30203	0.439486	0.682983	2.44E-258	lightcyan	TUBA1B
2.70E-258	-0.60292	0.093419	0.465872	5.25E-258	lightcyan	RILPL2
6.55E-257	-0.6081	0.001513	0.327355	1.26E-256	lightcyan	MEF2C
1.21E-256	-0.70408	0.297277	0.678342	2.31E-256	lightcyan	PPP1R15A
2.49E-256	-0.58809	0.126324	0.49833	4.70E-256	lightcyan	PDIA6
4.35E-254	-0.66021	0.540469	0.743925	8.13E-254	lightcyan	ENO1
1.03E-253	-0.63506	0.589637	0.765657	1.91E-253	lightcyan	SLC25A5
2.15E-253	-0.83253	0.060893	0.395893	3.95E-253	lightcyan	AC084033.3
2.12E-248	-0.80901	0.293495	0.604494	3.85E-248	lightcyan	PRDX1
6.55E-247	0.551479	0.368003	0.141998	1.18E-246	lightcyan	SH3YL1
2.41E-244	-1.27876	0.614599	0.830045	4.31E-244	lightcyan	S100A4
1.60E-243	-0.59889	0.054463	0.3954	2.85E-243	lightcyan	TUBA1C
4.32E-243	0.554763	0.531014	0.265534	7.60E-243	lightcyan	ATM
2.53E-241	-0.63617	0.410741	0.692689	4.41E-241	lightcyan	VAMP8
2.63E-240	-0.73181	0.152042	0.484334	4.54E-240	lightcyan	CAT
3.06E-240	-0.60806	0.000756	0.309702	5.24E-240	lightcyan	MGST1
9.62E-240	-0.55701	0.00643	0.318564	1.63E-239	lightcyan	CYTOR
1.22E-236	-0.64315	0.002269	0.308753	2.05E-236	lightcyan	FAM30A
5.35E-236	-0.57902	0.217474	0.577628	8.95E-236	lightcyan	LAPTM4A
1.01E-235	-0.6533	0.000756	0.305166	1.68E-235	lightcyan	CD34
5.82E-234	-0.55522	0.83056	0.930619	9.58E-234	lightcyan	OAZ1
2.02E-233	-0.56778	0.0382	0.363927	3.30E-233	lightcyan	KLF10
1.11E-232	-0.61679	0.026475	0.343742	1.80E-232	lightcyan	CAPG
1.50E-232	-0.73507	0.06354	0.397229	2.42E-232	lightcyan	GRN
4.56E-229	-0.71161	0.002269	0.30084	7.27E-229	lightcyan	CSF3R
3.77E-227	-0.60737	0.344175	0.639976	5.96E-227	lightcyan	YBX1
3.91E-227	-1.5423	0.019667	0.322502	6.14E-227	lightcyan	CST7
8.70E-225	0.521412	0.313918	0.109927	1.35E-224	lightcyan	PASK
2.01E-224	-0.88556	0.079047	0.408482	3.10E-224	lightcyan	LST1
2.49E-224	-1.27263	0.479576	0.740268	3.82E-224	lightcyan	FOS
7.68E-224	-0.60921	0.086611	0.415023	1.17E-223	lightcyan	TPM4
1.23E-222	-0.54261	0.15053	0.490945	1.85E-222	lightcyan	YWHAE
1.12E-221	0.5084	0.668684	0.41875	1.68E-221	lightcyan	1-Sep
2.53E-221	-0.54327	0.132375	0.478953	3.77E-221	lightcyan	PGD
9.07E-219	-0.60141	0.416036	0.687203	1.34E-218	lightcyan	RPL22L1
1.89E-217	-0.77274	0.360817	0.693744	2.77E-217	lightcyan	KLF6
4.24E-216	-0.5259	0.128215	0.464254	6.18E-216	lightcyan	IDH2
8.58E-215	-0.71501	0.409985	0.713155	1.24E-214	lightcyan	ANXA1
1.77E-214	-0.58061	0.002269	0.286176	2.55E-214	lightcyan	TCF4
3.02E-214	-0.77799	0.001513	0.284348	4.31E-214	lightcyan	SMIM24

3.33E-214	-0.81216	0.030635	0.325878	4.71E-214	lightcyan	ANXA2
1.22E-208	-2.25959	0.039334	0.330133	1.72E-208	lightcyan	NKG7
2.78E-208	-0.93613	0.381619	0.63646	3.88E-208	lightcyan	H2AFZ
3.94E-206	-0.51017	0.013238	0.296163	5.47E-206	lightcyan	TNFSF13B
9.00E-205	-1.43429	0.004539	0.278932	1.24E-204	lightcyan	IGLL1
8.68E-204	-0.50531	0	0.27109	1.19E-203	lightcyan	SPI1
1.91E-203	-0.64257	0.120651	0.426803	2.60E-203	lightcyan	CDK6
5.77E-203	-0.76677	0.009077	0.284348	7.80E-203	lightcyan	HOPX
1.96E-201	-0.5786	0.135023	0.464817	2.62E-201	lightcyan	MYADM
6.41E-196	-0.50254	0	0.262686	8.55E-196	lightcyan	CYTL1
2.54E-194	-1.2577	0.257943	0.498189	3.36E-194	lightcyan	STMN1
1.39E-191	-0.94174	0.319213	0.633787	1.83E-191	lightcyan	NEAT1
4.13E-189	0.519504	0.6059	0.394943	5.40E-189	lightcyan	RHOH
3.44E-188	-0.52764	0.714448	0.861624	4.47E-188	lightcyan	PPIB
7.22E-186	-0.59979	0.240166	0.575764	9.32E-186	lightcyan	NPC2
1.06E-185	-0.59957	0.015885	0.278616	1.37E-185	lightcyan	H1FO
2.60E-185	-1.19223	0.339259	0.649471	3.32E-185	lightcyan	SAT1
3.23E-183	-0.5902	0.02118	0.282414	4.09E-183	lightcyan	MYO1F
4.82E-183	-0.62509	0.001135	0.250589	6.07E-183	lightcyan	HLA-DQA2
5.89E-182	-0.53047	0.259077	0.572388	7.37E-182	lightcyan	P4HB
3.45E-181	-0.50553	0.1823	0.490664	4.29E-181	lightcyan	DYNLL1
8.39E-180	-0.5491	0.234493	0.55157	1.04E-179	lightcyan	CYBA
8.45E-180	-0.71151	0.181165	0.479868	1.04E-179	lightcyan	AHNAK
2.25E-177	-0.52808	0.147126	0.440447	2.75E-177	lightcyan	NASP
3.91E-176	-0.6526	0.0382	0.301157	4.74E-176	lightcyan	BLVRB
1.20E-160	-0.5194	0.109304	0.392271	1.45E-160	lightcyan	JUND
2.66E-157	-0.51656	0.08472	0.345325	3.19E-157	lightcyan	MCM7
5.23E-157	-0.67122	0.797655	0.861483	6.24E-157	lightcyan	HMG2
4.70E-156	-0.82256	0.17171	0.446531	5.58E-156	lightcyan	DUSP1
2.49E-153	-0.60482	0.219743	0.506453	2.94E-153	lightcyan	MCL1
1.20E-150	-0.58412	0.453101	0.703485	1.41E-150	lightcyan	HMGB2
2.77E-148	-2.52097	0.042738	0.270317	3.23E-148	lightcyan	LYZ
2.78E-147	-0.64156	0.069592	0.316981	3.22E-147	lightcyan	NAMPT
2.48E-145	-0.59856	0.549546	0.734044	2.85E-145	lightcyan	CALR
1.43E-140	-0.76738	0.990923	0.994409	1.64E-140	lightcyan	FTL
3.71E-137	-0.80761	0.169062	0.432289	4.23E-137	lightcyan	TIMP1
2.74E-134	-0.53965	0.146747	0.396737	3.11E-134	lightcyan	HERPUD1
3.78E-134	-0.50954	0.052194	0.274431	4.26E-134	lightcyan	PTPRE
1.76E-133	-0.82048	0.058245	0.269332	1.98E-133	lightcyan	SPINK2
2.27E-133	-0.5434	0.059002	0.288814	2.53E-133	lightcyan	CMC1
8.93E-130	-0.59909	0.140696	0.379928	9.90E-130	lightcyan	ITM2C

1.38E-124	-0.50205	0.452345	0.694131	1.52E-124	lightcyan	HSPA5
4.77E-124	-1.04341	0.144856	0.365615	5.23E-124	lightcyan	S100A11
6.42E-124	-1.17999	0.070348	0.274959	7.01E-124	lightcyan	FCER1G
5.46E-117	-0.69899	0.481089	0.704716	5.93E-117	lightcyan	TSPO
7.82E-111	-0.87333	0.500378	0.636495	8.44E-111	lightcyan	TUBB
4.15E-109	-0.52641	0.349849	0.555509	4.45E-109	lightcyan	DUT
2.58E-108	-0.5239	0.213691	0.448957	2.76E-108	lightcyan	FOSB
2.28E-107	-0.5174	0.103253	0.312621	2.42E-107	lightcyan	CLEC11A
1.05E-106	-0.52289	0.332829	0.503464	1.11E-106	lightcyan	IMPDH2
1.29E-105	-0.56648	0.929652	0.972501	1.35E-105	lightcyan	SH3BGRL3
4.78E-103	-0.74994	0.250378	0.484721	5.00E-103	lightcyan	CTSS
4.79E-102	-0.53381	0.51475	0.731688	4.98E-102	lightcyan	IER2
3.57E-99	-1.06161	0.15885	0.346098	3.70E-99	lightcyan	AREG
5.62E-90	-0.75698	0.579425	0.720259	5.79E-90	lightcyan	ZFP36
3.70E-83	-0.66381	0.498109	0.711362	3.79E-83	lightcyan	PSAP
5.74E-75	-0.52012	0.153177	0.321166	5.85E-75	lightcyan	ID2
2.24E-68	-0.50394	0.09947	0.253437	2.28E-68	lightcyan	ATP2B1-AS1
1.85E-67	-0.6747	0.454992	0.558357	1.87E-67	lightcyan	AIF1
3.18E-16	-1.01162	0.842284	0.822063	3.20E-16	lightcyan	S100A6
0	2.648862	0.884264	0.026725	0	lightgreen	MS4A1
0	2.563511	0.981726	0.101474	0	lightgreen	CD79A
0	2.246158	0.585279	0.010168	0	lightgreen	TCL1A
0	1.960052	1	0.9134	0	lightgreen	CD74
0	1.92268	0.756853	0.021195	0	lightgreen	LINC00926
0	1.889977	0.317766	0.011439	0	lightgreen	IGLC2
0	1.87332	0.887817	0.268146	0	lightgreen	HLA-DQA1
0	1.779783	0.840102	0.151523	0	lightgreen	CD79B
0	1.761657	0.927411	0.330391	0	lightgreen	HLA-DQB1
0	1.751992	0.611168	0.012435	0	lightgreen	FCER2
0	1.713054	0.784772	0.155611	0	lightgreen	IGHM
0	1.693614	0.754315	0.057951	0	lightgreen	FAM129C
0	1.685691	0.996447	0.901309	0	lightgreen	CD37
0	1.675119	0.725888	0.064993	0	lightgreen	BANK1
0	1.674308	0.487817	0.040809	0	lightgreen	IGKC
0	1.632287	0.994924	0.575556	0	lightgreen	HLA-DRA
0	1.548466	0.990355	0.617395	0	lightgreen	HLA-DRB1
0	1.491627	0.585787	0.124077	0	lightgreen	CD83
0	1.482605	0.293909	0.009309	0	lightgreen	IGLL5
0	1.472333	0.268528	0.006733	0	lightgreen	IGLC3
0	1.472145	0.980203	0.628594	0	lightgreen	HLA-DPA1
0	1.454851	0.86802	0.211913	0	lightgreen	NCF1

0	1.404514	0.980711	0.630552	0	lightgreen	HLA-DPB1
0	1.34292	0.607614	0.087424	0	lightgreen	RALGPS2
0	1.34217	0.562944	0.018893	0	lightgreen	FCRLA
0	1.336126	0.585787	0.070145	0	lightgreen	HVCN1
0	1.335482	0.602538	0.025248	0	lightgreen	CD19
0	1.247826	0.54264	0.192779	0	lightgreen	PLPP5
0	1.173165	0.953299	0.556731	0	lightgreen	HLA-DRB5
0	1.158809	0.478173	0.006355	0	lightgreen	FCRL1
0	1.153174	0.481726	0.041256	0	lightgreen	CD24
0	1.126809	0.420812	0.096115	0	lightgreen	IL4R
0	1.122455	0.753807	0.26289	0	lightgreen	FCMR
0	1.112556	0.473096	0.035313	0	lightgreen	RUBCNL
0	1.109472	0.447716	0.065645	0	lightgreen	IGHD
0	1.096207	0.470558	0.028237	0	lightgreen	CD22
0	1.085767	0.52132	0.105184	0	lightgreen	BIRC3
0	1.082844	0.615228	0.224692	0	lightgreen	CYB561A3
0	1.079049	0.611675	0.051286	0	lightgreen	VPREB3
0	1.075657	0.494924	0.108962	0	lightgreen	AFF3
0	1.06688	0.471066	0.014702	0	lightgreen	BLK
0	1.054782	0.759391	0.416269	0	lightgreen	ZFP36L1
0	1.053256	0.932487	0.810862	0	lightgreen	TSC22D3
0	1.052744	0.634518	0.276974	0	lightgreen	MEF2C
0	1.051695	0.861929	0.364982	0	lightgreen	LTB
0	1.045354	0.459391	0.110268	0	lightgreen	ADAM28
0	1.022668	0.932487	0.78424	0	lightgreen	TXNIP
0	1.010166	0.464467	0.03497	0	lightgreen	POU2AF1
0	1.005208	0.58934	0.168046	0	lightgreen	HLA-DMB
0	0.991687	0.308122	0.050462	0	lightgreen	JCHAIN
0	0.986815	0.504061	0.149222	0	lightgreen	SWAP70
0	0.98512	0.856853	0.4747	0	lightgreen	HLA-DMA
0	0.951675	0.374112	0.043386	0	lightgreen	CD72
0	0.951502	0.909645	0.583869	0	lightgreen	CXCR4
0	0.946454	0.430457	0.044004	0	lightgreen	CD40
0	0.941074	0.945178	0.776236	0	lightgreen	CD52
0	0.920009	0.421827	0.031054	0	lightgreen	1-Mar
0	0.916854	0.984772	0.922847	0	lightgreen	LAPTM5
0	0.903765	0.689848	0.401223	0	lightgreen	SNX2
0	0.876692	0.374112	0.005737	0	lightgreen	HLA-DOB
0	0.840406	0.435533	0.113909	0	lightgreen	SMIM14
0	0.831226	0.361421	0.022603	0	lightgreen	PAX5
0	0.809584	0.430457	0.114836	0	lightgreen	GNG7

0	0.770559	0.45533	0.147367	0	lightgreen	POU2F2
0	0.757004	0.402538	0.070867	0	lightgreen	BLNK
0	0.756757	0.426396	0.127546	0	lightgreen	SNX29
0	0.748798	0.664467	0.307925	0	lightgreen	ISG20
0	0.737837	0.346701	0.045412	0	lightgreen	NAPSA
0	0.731847	0.371574	0.094947	0	lightgreen	MTSS1
0	0.725254	0.939086	0.832194	0	lightgreen	LIMD2
0	0.70042	0.346193	0.054035	0	lightgreen	ALOX5
0	0.698647	0.484264	0.114046	0	lightgreen	IRF8
0	0.693991	0.279188	0.008519	0	lightgreen	CXCR5
0	0.693518	0.336041	0.078767	0	lightgreen	HLA-DOA
0	0.651832	0.279188	0.015767	0	lightgreen	FCGR2B
0	0.650555	0.266497	0.025592	0	lightgreen	SNX22
0	0.643575	0.275127	0.03655	0	lightgreen	IGHV5-78
0	0.631529	0.418274	0.119371	0	lightgreen	LY86
0	0.625917	0.288832	0.029508	0	lightgreen	FGD2
0	0.615853	0.264467	0.011233	0	lightgreen	ARHGAP24
0	0.589713	0.326904	0.0675	0	lightgreen	SP140
0	-0.88299	0.840609	0.981897	0	lightgreen	ACTG1
0	-0.96515	0.092893	0.58593	0	lightgreen	LEPROTL1
0	-1.07564	0.147208	0.617361	0	lightgreen	TXN
0	-1.09088	0.035533	0.504655	0	lightgreen	MT2A
0	-1.13679	0.690863	0.92192	0	lightgreen	VIM
0	-1.16381	0.452284	0.831541	0	lightgreen	LDHB
0	-1.17378	0.059898	0.591289	0	lightgreen	NUCB2
0	-1.19295	0.372081	0.762083	0	lightgreen	GSTP1
0	-1.31331	0.012183	0.52925	0	lightgreen	FYB1
0	-1.44715	0.086802	0.696163	0	lightgreen	HCST
0	-1.54912	0.009645	0.601353	0	lightgreen	CTSW
0	-1.59508	0.031472	0.584624	0	lightgreen	AIF1
0	-1.59936	0.783756	0.983202	0	lightgreen	GAPDH
0	-1.74161	0.423858	0.850847	0	lightgreen	S100A6
0	-1.79839	0.024873	0.732197	0	lightgreen	ANXA1
0	-2.07913	0.148223	0.873519	0	lightgreen	SRGN
0	-2.13934	0.234518	0.850778	0	lightgreen	S100A4
2.91E-307	-0.88177	0.427411	0.83611	7.80E-307	lightgreen	CD99
1.60E-302	-0.83832	0.339594	0.739892	4.25E-302	lightgreen	LDHA
1.30E-299	0.815377	0.736548	0.527258	3.42E-299	lightgreen	SYNGR2
9.60E-298	0.858946	0.651269	0.383395	2.49E-297	lightgreen	POLD4
3.87E-287	0.571629	0.356345	0.094706	9.96E-287	lightgreen	IKZF3
1.40E-285	-1.48062	0.005584	0.437257	3.58E-285	lightgreen	CD7

2.33E-285	-0.7207	0.016244	0.457078	5.87E-285	lightgreen	SPN
1.03E-277	-0.67973	0.307614	0.736182	2.57E-277	lightgreen	NDUFS5
1.99E-274	0.704712	0.372589	0.122153	4.92E-274	lightgreen	CIITA
2.51E-272	-0.73411	0.108629	0.563876	6.15E-272	lightgreen	RGS10
7.53E-267	-1.86404	0.018274	0.427261	1.83E-266	lightgreen	CD3E
3.24E-266	-1.13848	0.018274	0.436399	7.80E-266	lightgreen	TIMP1
3.21E-265	0.857974	0.574112	0.284154	7.65E-265	lightgreen	TAGAP
1.38E-264	-1.78301	0.018782	0.434303	3.27E-264	lightgreen	CST3
1.29E-262	0.556182	0.394416	0.120229	3.03E-262	lightgreen	CTSH
1.65E-260	-0.87652	0.279188	0.641373	3.83E-260	lightgreen	TALDO1
5.23E-260	0.769422	0.647208	0.404005	1.20E-259	lightgreen	SP100
3.08E-258	0.544145	0.289848	0.074611	7.03E-258	lightgreen	TMEM154
1.55E-255	0.758668	0.750761	0.531105	3.52E-255	lightgreen	EZR
1.08E-254	-0.50584	0.879188	0.956236	2.44E-254	lightgreen	ATP5MC2
1.04E-249	-0.77526	0.426904	0.7469	2.32E-249	lightgreen	ENO1
3.41E-244	-2.11008	0.028934	0.41249	7.53E-244	lightgreen	IL32
5.47E-243	-1.03015	0.269036	0.632888	1.20E-242	lightgreen	SERPINB1
1.46E-241	-0.64523	0.007107	0.394696	3.18E-241	lightgreen	BEX3
2.26E-240	-0.68198	0.032995	0.431418	4.87E-240	lightgreen	LCP2
1.34E-235	0.762316	0.414213	0.171344	2.86E-235	lightgreen	STX7
1.01E-234	0.752323	0.816244	0.692247	2.14E-234	lightgreen	UCP2
1.10E-232	-1.55681	0.245685	0.595067	2.31E-232	lightgreen	IFITM1
7.73E-227	-0.82288	0.311675	0.661503	1.61E-226	lightgreen	TKT
5.64E-226	0.683825	0.45533	0.208272	1.17E-225	lightgreen	PDLIM1
6.85E-223	-0.66839	0.131472	0.550926	1.41E-222	lightgreen	SLC9A3R1
8.83E-218	-0.52976	0.005584	0.364879	1.80E-217	lightgreen	TMEM173
5.24E-217	-1.21265	0.003553	0.358421	1.06E-216	lightgreen	PRSS57
1.72E-214	-0.5623	0.16599	0.588609	3.45E-214	lightgreen	ABRACL
1.77E-212	-0.62301	0.688325	0.874103	3.52E-212	lightgreen	HSP90AA1
9.04E-212	-0.64484	0.101015	0.495311	1.79E-211	lightgreen	CD63
1.62E-211	-0.78333	0.114213	0.506956	3.19E-211	lightgreen	MCL1
3.06E-210	-0.65619	0.125381	0.524441	5.96E-210	lightgreen	ARRB2
1.15E-209	-0.58414	0.101015	0.494212	2.23E-209	lightgreen	COMT
2.69E-209	-0.71045	0.175635	0.581636	5.17E-209	lightgreen	DNAJB1
6.96E-205	-0.61562	0.002538	0.343513	1.33E-204	lightgreen	GNA15
1.04E-203	-0.98966	0.287817	0.636907	1.96E-203	lightgreen	H2AFZ
2.33E-202	-1.15306	0.004061	0.340765	4.38E-202	lightgreen	CD3D
8.89E-201	-0.6076	0.03198	0.38573	1.66E-200	lightgreen	RNF130
9.15E-198	-0.59865	0.060406	0.427021	1.70E-197	lightgreen	ITM2A
6.54E-197	-0.5861	0.082741	0.45749	1.20E-196	lightgreen	CTSC
4.38E-196	-0.68857	0.779695	0.90021	8.01E-196	lightgreen	RPS2

2.23E-194	-0.70681	0.173096	0.556113	4.04E-194	lightgreen	RARRES3
3.58E-194	-0.66721	0.000508	0.326578	6.45E-194	lightgreen	EGFL7
3.61E-194	-0.96765	0.244162	0.631583	6.46E-194	lightgreen	NEAT1
5.52E-192	-0.6588	0.092386	0.463227	9.82E-192	lightgreen	PIK3R1
1.28E-188	-1.9619	0.020812	0.345917	2.27E-188	lightgreen	TYROBP
2.14E-185	0.807107	0.588325	0.361066	3.76E-185	lightgreen	HERPUD1
2.78E-185	-0.8384	0.313198	0.7109	4.86E-185	lightgreen	TSPO
9.65E-184	0.782381	0.545178	0.319089	1.67E-183	lightgreen	RCSD1
5.19E-183	-0.6533	0.160406	0.521109	8.93E-183	lightgreen	H2AFY
2.76E-182	-0.57637	0.336041	0.656419	4.72E-182	lightgreen	COX5A
8.37E-182	-0.84816	0.01066	0.326921	1.42E-181	lightgreen	ID2
8.24E-181	-0.59811	0.490863	0.756827	1.39E-180	lightgreen	TPI1
9.40E-178	-0.59529	0.197462	0.569304	1.58E-177	lightgreen	P4HB
1.92E-177	0.653587	0.618782	0.402563	3.19E-177	lightgreen	RIPOR2
1.88E-176	-0.66352	0.393401	0.7008	3.11E-176	lightgreen	GYPC
1.11E-175	-0.59726	0.000508	0.302566	1.84E-175	lightgreen	MGST1
8.62E-172	-0.6412	0.001015	0.2981	1.41E-171	lightgreen	CD34
1.21E-171	-0.61193	0.032487	0.348391	1.96E-171	lightgreen	SELPLG
2.19E-171	-1.56498	0.014721	0.315826	3.54E-171	lightgreen	CST7
1.86E-170	-0.72296	0.063452	0.387963	2.99E-170	lightgreen	AC084033.3
1.34E-169	-0.64074	0.118782	0.463948	2.14E-169	lightgreen	VSIR
9.59E-169	-0.6409	0.088832	0.421868	1.52E-168	lightgreen	CDK6
1.49E-168	-2.30001	0.02335	0.324482	2.35E-168	lightgreen	NKG7
2.29E-168	-0.5152	0.116244	0.472021	3.59E-168	lightgreen	PGD
3.47E-168	-0.70687	0.013198	0.313868	5.41E-168	lightgreen	CLEC11A
4.46E-168	-0.79951	0.029442	0.33307	6.91E-168	lightgreen	SAMHD1
7.76E-167	-0.57397	0.144162	0.508158	1.20E-166	lightgreen	GLUL
1.86E-166	-0.52088	0.01269	0.310913	2.85E-166	lightgreen	CYTOR
5.32E-166	0.517772	0.320812	0.119955	8.10E-166	lightgreen	AC119396.1
7.33E-163	-0.68513	0.005584	0.293703	1.11E-162	lightgreen	CSF3R
5.97E-161	-0.72665	0.513706	0.791453	8.99E-161	lightgreen	IFITM2
4.77E-160	-0.52381	0.357868	0.689739	7.14E-160	lightgreen	VAMP8
2.23E-159	0.674038	0.505076	0.292776	3.32E-159	lightgreen	PDE4B
1.15E-157	-0.52561	0.419289	0.748136	1.70E-157	lightgreen	COX8A
5.58E-157	-0.65621	0.006091	0.2857	8.22E-157	lightgreen	PRKCH
8.64E-157	-1.17083	0.435533	0.677613	1.26E-156	lightgreen	TUBA1B
8.91E-157	-0.70631	0.005584	0.284429	1.30E-156	lightgreen	LAT
2.22E-156	-0.50782	0.200508	0.544708	3.21E-156	lightgreen	HSPB1
3.64E-155	-0.61643	0.081726	0.390746	5.24E-155	lightgreen	FABP5
5.23E-154	-1.13329	0.335533	0.626396	7.49E-154	lightgreen	S100A10
1.96E-153	-0.75611	0.015228	0.293635	2.80E-153	lightgreen	ZAP70

2.43E-151	0.637885	0.531472	0.343822	3.45E-151	lightgreen	SP110
3.73E-151	-1.35722	0.030964	0.307616	5.26E-151	lightgreen	IL7R
4.66E-151	-1.18113	0.073096	0.36536	6.54E-151	lightgreen	S100A11
4.54E-150	-0.8989	0.00203	0.269486	6.34E-150	lightgreen	GZMM
2.28E-148	-0.50997	0.490863	0.732747	3.16E-148	lightgreen	ANP32B
2.53E-148	-0.77521	0.346701	0.664216	3.49E-148	lightgreen	ITGB2
3.12E-147	0.73489	0.471574	0.245577	4.28E-147	lightgreen	KLF2
1.07E-146	-0.80439	0.004569	0.268524	1.47E-146	lightgreen	CD3G
1.18E-145	-1.31032	0.009645	0.274329	1.60E-145	lightgreen	FCER1G
3.60E-145	0.509147	0.304061	0.122084	4.87E-145	lightgreen	NCOA3
2.78E-144	-0.55378	0.170558	0.504655	3.74E-144	lightgreen	PYCARD
2.81E-144	-0.50142	0.633503	0.863694	3.76E-144	lightgreen	PPIB
1.84E-141	-1.32539	0.116244	0.397444	2.45E-141	lightgreen	LGALS1
3.37E-140	0.561232	0.395431	0.187283	4.46E-140	lightgreen	ARID5B
5.87E-140	0.652916	0.607107	0.459414	7.74E-140	lightgreen	REL
1.37E-139	-0.56743	0.011675	0.272818	1.80E-139	lightgreen	H1FO
1.55E-139	-0.52838	0.928426	0.918038	2.02E-139	lightgreen	NPM1
7.69E-139	0.575009	0.298985	0.12497	9.99E-139	lightgreen	QRSL1
5.81E-137	-0.91988	0.21269	0.495689	7.51E-137	lightgreen	STMN1
8.43E-136	-0.87312	0.152792	0.439868	1.08E-135	lightgreen	TNFAIP3
9.59E-136	-0.51899	0.054315	0.334341	1.23E-135	lightgreen	RNF125
3.90E-135	-0.54864	0.119797	0.424547	4.96E-135	lightgreen	TUBB4B
1.20E-134	0.77326	0.419797	0.25444	1.52E-134	lightgreen	EAF2
1.16E-133	-0.85015	0.008629	0.255436	1.46E-133	lightgreen	CD247
1.21E-132	-0.81494	0.075635	0.33623	1.52E-132	lightgreen	LCK
1.50E-132	-0.50616	0.056853	0.333104	1.88E-132	lightgreen	AGTRAP
1.74E-132	-0.63831	0.241117	0.558002	2.16E-132	lightgreen	FLNA
2.35E-132	0.616186	0.593401	0.459345	2.92E-132	lightgreen	PTPN6
3.36E-131	-0.56558	0.201015	0.529834	4.14E-131	lightgreen	NOSIP
1.21E-130	-0.88444	0.020305	0.267012	1.48E-130	lightgreen	SPINK2
3.36E-130	-0.52239	0.052284	0.323039	4.10E-130	lightgreen	LYAR
9.96E-129	-0.65967	0.024873	0.276219	1.21E-128	lightgreen	SMIM24
1.53E-128	-0.76583	0.108629	0.398853	1.85E-128	lightgreen	LST1
2.65E-128	-0.55937	0.038071	0.293806	3.19E-128	lightgreen	MGAT4A
1.70E-125	0.622942	0.45736	0.283673	2.04E-125	lightgreen	ZCCHC7
2.63E-124	-0.57462	0.277665	0.547216	3.14E-124	lightgreen	HSPD1
4.15E-124	0.629303	0.500508	0.318917	4.93E-124	lightgreen	TMEM243
7.26E-122	0.848848	0.635025	0.47233	8.59E-122	lightgreen	CD69
5.27E-118	0.510375	0.685787	0.517262	6.20E-118	lightgreen	BTG1
2.05E-114	0.585412	0.43198	0.26478	2.41E-114	lightgreen	EBLN3P
2.23E-111	-0.55979	0.045178	0.284429	2.60E-111	lightgreen	CMC1

1.37E-109	-0.90646	0.418274	0.638899	1.60E-109	lightgreen	TUBB
5.50E-109	0.523128	0.315736	0.149875	6.36E-109	lightgreen	TMEM131L
2.19E-108	-0.56802	0.056345	0.293841	2.52E-108	lightgreen	BLVRB
6.22E-102	-0.58496	0.073096	0.311016	7.14E-102	lightgreen	NAMPT
1.13E-101	0.57187	0.37868	0.235993	1.29E-101	lightgreen	BTK
2.53E-101	-0.5621	0.281218	0.503006	2.88E-101	lightgreen	IMPDH2
2.76E-101	0.566265	0.34467	0.19326	3.13E-101	lightgreen	ARHGAP17
1.70E-100	0.531301	0.353299	0.194119	1.91E-100	lightgreen	PPM1K
3.04E-99	-0.5415	0.298985	0.554189	3.41E-99	lightgreen	DUT
3.10E-99	-2.39091	0.051777	0.264436	3.46E-99	lightgreen	LYZ
8.09E-99	0.702559	0.434518	0.297894	9.01E-99	lightgreen	SYK
9.01E-98	-0.58413	0.093401	0.319226	9.99E-98	lightgreen	ARL4C
1.45E-95	0.52504	0.27665	0.132733	1.61E-95	lightgreen	PLEKHA2
2.68E-95	-0.85568	0.052284	0.269348	2.95E-95	lightgreen	IGLL1
3.18E-94	0.544184	0.601523	0.513723	3.48E-94	lightgreen	FOXP1
4.54E-92	0.513912	0.373096	0.217684	4.95E-92	lightgreen	PIM2
5.89E-92	0.525106	0.540102	0.40428	6.40E-92	lightgreen	RHOH
5.74E-89	0.748669	0.296954	0.164302	6.21E-89	lightgreen	BCL7A
1.19E-88	-0.53749	0.885279	0.922435	1.28E-88	lightgreen	HMGB1
1.09E-87	0.504351	0.385787	0.241764	1.17E-87	lightgreen	LMBRD1
2.01E-84	-0.52881	0.247208	0.499914	2.15E-84	lightgreen	IFITM3
1.53E-83	0.518329	0.325381	0.193398	1.62E-83	lightgreen	PKIG
4.48E-83	-0.55692	0.293909	0.535227	4.75E-83	lightgreen	LITAF
4.23E-82	-0.52489	0.193401	0.426815	4.46E-82	lightgreen	DDIT4
4.34E-81	-0.51376	0.073604	0.273608	4.56E-81	lightgreen	HOPX
8.46E-79	0.572574	0.280203	0.150321	8.86E-79	lightgreen	SYVN1
1.33E-77	-0.51469	0.079188	0.268146	1.39E-77	lightgreen	FLT3LG
1.57E-75	0.560628	0.356345	0.236921	1.63E-75	lightgreen	IFT57
1.38E-71	0.539352	0.306091	0.17715	1.43E-71	lightgreen	PEL1
4.83E-63	0.500177	0.311675	0.201573	4.98E-63	lightgreen	ORAI2
7.00E-59	-0.70249	0.99797	0.996393	7.19E-59	lightgreen	FTH1
4.49E-57	0.701971	0.292893	0.18402	4.59E-57	lightgreen	LHPP
7.34E-55	0.576836	0.370558	0.288276	7.48E-55	lightgreen	ADK
2.32E-53	-0.86049	0.17665	0.340559	2.36E-53	lightgreen	AREG
4.16E-45	0.618743	0.301523	0.194669	4.21E-45	lightgreen	MZB1
6.77E-28	-0.54837	0.441117	0.60575	6.82E-28	lightgreen	HIST1H4C
3.20E-05	-0.60969	0.523858	0.629796	3.22E-05	lightgreen	SAT1
0.00026	0.949922	0.280203	0.292295	0.00026	lightgreen	HIST1H1C
0	2.625101	0.990798	0.164461	0	greenyellow	PLD4
0	2.418006	0.981595	0.197269	0	greenyellow	IRF7
0	2.408831	0.957055	0.057357	0	greenyellow	JCHAIN

0	2.403595	0.929448	0.012746	0	greenyellow	LILRA4
0	2.29759	0.981595	0.128564	0	greenyellow	IRF8
0	2.206829	0.699387	0.034466	0	greenyellow	RASD1
0	2.199401	0.978528	0.246627	0	greenyellow	APP
0	1.890482	0.917178	0.064315	0	greenyellow	IL3RA
0	1.79477	0.619632	0.021167	0	greenyellow	SERPINF1
0	1.761572	0.730061	0.040676	0	greenyellow	IRF4
0	1.562164	0.871166	0.058169	0	greenyellow	LILRB4
0	1.537107	0.644172	0.010145	0	greenyellow	SMPD3
0	1.534822	0.865031	0.111429	0	greenyellow	RNASE6
0	1.507087	0.809816	0.064445	0	greenyellow	UGCG
0	1.486089	0.868098	0.048545	0	greenyellow	LGMN
0	1.462333	0.855828	0.063827	0	greenyellow	CCDC50
0	1.455133	0.812883	0.061258	0	greenyellow	IGKC
0	1.441855	0.779141	0.120371	0	greenyellow	LDLRAD4
0	1.363692	0.539877	0.035376	0	greenyellow	TPM2
0	1.350765	0.754601	0.10278	0	greenyellow	DERL3
0	1.287074	0.680982	0.006015	0	greenyellow	CLEC4C
0	1.279965	0.828221	0.067176	0	greenyellow	TGFBI
0	1.23708	0.815951	0.094521	0	greenyellow	FAM129C
0	1.224695	0.662577	0.070655	0	greenyellow	PPP1R14B
0	1.210738	0.542945	0.005918	0	greenyellow	SCT
0	1.12943	0.708589	0.091595	0	greenyellow	TNFRSF21
0	0.995216	0.567485	0.047927	0	greenyellow	FCRLA
0	0.982964	0.57362	0.043212	0	greenyellow	SLC15A4
0	0.890025	0.592025	0.058917	0	greenyellow	NAPSA
0	0.879265	0.56135	0.035994	0	greenyellow	TNNI2
0	0.856316	0.533742	0.028158	0	greenyellow	SPIB
0	0.826106	0.328221	0.002634	0	greenyellow	PTCRA
0	0.77901	0.398773	0.029524	0	greenyellow	ZFAT
0	0.752329	0.469325	0.018143	0	greenyellow	SHD
0	0.677762	0.41411	0.004422	0	greenyellow	PACSIN1
0	0.661178	0.404908	0.025622	0	greenyellow	ADAM19
0	0.64357	0.392638	0.004357	0	greenyellow	PROC
0	0.626444	0.383436	0.005528	0	greenyellow	PTPRS
0	0.606491	0.352761	0.006405	0	greenyellow	AC119428.2
0	0.578553	0.294479	0.01125	0	greenyellow	PLVAP
0	0.578147	0.355828	0.008161	0	greenyellow	SCAMP5
0	0.545839	0.315951	0.002764	0	greenyellow	AC023590.1
0	0.51577	0.266871	0.003869	0	greenyellow	FAM160A1
5.92E-307	1.300827	0.907975	0.156983	4.74E-306	greenyellow	CD68

8.28E-301	1.580942	0.929448	0.200065	6.48E-300	greenyellow	C12orf75
5.19E-292	1.681052	0.966258	0.25456	3.97E-291	greenyellow	TCF4
1.88E-281	1.591546	0.895706	0.194082	1.40E-280	greenyellow	MZB1
2.57E-279	1.236196	0.858896	0.177239	1.89E-278	greenyellow	GSN
3.39E-269	2.117101	0.990798	0.352886	2.43E-268	greenyellow	ITM2C
5.99E-253	0.844147	0.631902	0.086165	4.22E-252	greenyellow	BLNK
1.20E-246	0.996191	0.714724	0.116274	8.27E-246	greenyellow	FCER1A
4.01E-242	0.913872	0.696319	0.122061	2.71E-241	greenyellow	ST6GALNAC4
7.95E-241	0.890412	0.733129	0.116534	5.28E-240	greenyellow	CYBB
1.18E-231	1.485594	0.92638	0.253357	7.69E-231	greenyellow	ALOX5AP
2.51E-228	0.920477	0.567485	0.08558	1.61E-227	greenyellow	MAP1A
8.36E-228	0.551968	0.263804	0.017233	5.25E-227	greenyellow	CRYM
2.10E-227	0.615399	0.43865	0.046952	1.30E-226	greenyellow	SEL1L3
4.98E-227	0.827119	0.592025	0.090749	3.02E-226	greenyellow	RUNX2
1.79E-226	0.605303	0.273006	0.018566	1.07E-225	greenyellow	EGLN3
5.26E-225	0.584106	0.5	0.05843	3.09E-224	greenyellow	RUBCNL
5.69E-217	1.005085	0.733129	0.14596	3.28E-216	greenyellow	IGFLR1
4.10E-212	0.997194	0.708589	0.143847	2.33E-211	greenyellow	RPS6KA4
1.12E-209	0.644011	0.404908	0.045651	6.28E-209	greenyellow	SCN9A
2.98E-199	0.557195	0.41411	0.046236	1.64E-198	greenyellow	SULF2
1.65E-192	1.506013	0.993865	0.694976	8.94E-192	greenyellow	SEC61B
2.09E-191	1.325805	0.932515	0.35178	1.11E-190	greenyellow	CTSB
5.55E-191	0.891981	0.662577	0.131979	2.92E-190	greenyellow	MAPKAPK2
1.89E-190	1.510959	0.97546	0.540823	9.80E-190	greenyellow	PLP2
4.92E-190	0.615285	0.411043	0.051016	2.51E-189	greenyellow	DAB2
1.10E-188	0.517574	0.365031	0.040286	5.52E-188	greenyellow	NUDT17
4.23E-188	0.852599	0.699387	0.138969	2.10E-187	greenyellow	JAML
2.62E-187	0.53039	0.349693	0.037587	1.28E-186	greenyellow	KCNK17
1.52E-176	0.557697	0.43865	0.057877	7.32E-176	greenyellow	CARD11
5.24E-176	1.179356	0.815951	0.24344	2.49E-175	greenyellow	CYB561A3
1.26E-173	1.507721	0.960123	0.4927	5.94E-173	greenyellow	PLAC8
4.50E-173	0.916289	0.59816	0.120631	2.08E-172	greenyellow	FCHSD2
7.07E-171	1.209545	0.684049	0.149212	3.23E-170	greenyellow	GPR183
2.26E-170	1.348813	0.98773	0.847635	1.02E-169	greenyellow	PPIB
6.84E-169	1.363779	0.92638	0.369631	3.05E-168	greenyellow	HERPUD1
8.72E-164	0.776176	0.453988	0.064998	3.84E-163	greenyellow	CXCR3
6.00E-162	0.51207	0.352761	0.042335	2.61E-161	greenyellow	UNC93B1
1.52E-161	1.485497	1	0.91803	6.53E-161	greenyellow	CD74
1.20E-159	0.783284	0.521472	0.095822	5.07E-159	greenyellow	RHEX
4.30E-157	0.73728	0.481595	0.075955	1.80E-156	greenyellow	MPEG1
9.20E-157	1.616974	0.923313	0.387059	3.81E-156	greenyellow	SOX4

1.03E-155	0.893644	0.880368	0.246854	4.20E-155	greenyellow	NCF1
1.06E-153	1.180963	0.972393	0.682166	4.28E-153	greenyellow	SPCS1
1.01E-152	1.140505	0.993865	0.83141	4.04E-152	greenyellow	TAGLN2
8.88E-152	0.94359	0.791411	0.253292	3.51E-151	greenyellow	BCL11A
7.31E-150	0.815114	0.907975	0.250658	2.86E-149	greenyellow	FCER1G
3.84E-148	0.817414	0.674847	0.167355	1.49E-147	greenyellow	PHACTR1
1.21E-147	0.594754	0.481595	0.084799	4.61E-147	greenyellow	ZDHHC17
3.19E-147	1.233866	1	0.597919	1.21E-146	greenyellow	HLA-DRA
4.89E-147	0.605227	0.404908	0.060933	1.83E-146	greenyellow	WDFY4
3.43E-145	1.393754	0.969325	0.542741	1.27E-144	greenyellow	NPC2
4.79E-145	1.092977	0.978528	0.493838	1.76E-144	greenyellow	HLA-DMA
9.08E-145	0.815023	0.625767	0.155552	3.29E-144	greenyellow	CD2AP
8.89E-144	0.621745	0.613497	0.129215	3.19E-143	greenyellow	SMIM14
1.17E-142	0.720372	0.407975	0.063632	4.16E-142	greenyellow	GRAMD1B
1.62E-139	0.973613	0.969325	0.402016	5.70E-139	greenyellow	CST3
6.12E-139	0.623561	0.481595	0.095139	2.13E-138	greenyellow	CCDC189
1.22E-138	1.015481	0.843558	0.311169	4.21E-138	greenyellow	CAPG
1.40E-137	1.098738	0.996933	0.577467	4.79E-137	greenyellow	HLA-DRB5
1.13E-136	0.992949	0.90184	0.363193	3.82E-136	greenyellow	GRN
1.81E-134	1.010746	0.990798	0.647277	6.06E-134	greenyellow	HLA-DPA1
9.88E-132	1.038591	0.984663	0.802764	3.28E-131	greenyellow	LSP1
3.92E-131	0.941944	0.788344	0.249878	1.29E-130	greenyellow	PTPRE
4.64E-131	0.681741	0.558282	0.129312	1.51E-130	greenyellow	ATG101
5.94E-130	0.890768	0.644172	0.187092	1.92E-129	greenyellow	C12orf45
2.85E-127	0.928284	0.97546	0.78345	9.11E-127	greenyellow	ERP29
1.91E-125	1.120341	0.978528	0.704698	6.07E-125	greenyellow	HSP90B1
1.21E-124	0.972829	0.993865	0.637295	3.80E-124	greenyellow	HLA-DRB1
2.15E-122	0.739598	0.555215	0.142806	6.69E-122	greenyellow	CORO1C
7.13E-122	0.646025	0.41411	0.067826	2.20E-121	greenyellow	CLIC3
1.21E-121	0.987926	0.929448	0.555422	3.71E-121	greenyellow	CNPY3
7.16E-121	0.877778	0.641104	0.184881	2.17E-120	greenyellow	SLC20A1
2.91E-120	0.97744	0.97546	0.625719	8.75E-120	greenyellow	RNASSET2
5.23E-118	0.702378	0.641104	0.175776	1.56E-117	greenyellow	SPNS3
6.42E-118	0.932013	0.969325	0.792554	1.90E-117	greenyellow	SSR4
2.61E-115	0.667833	0.677914	0.189628	7.65E-115	greenyellow	HLA-DMB
7.35E-115	0.728652	0.641104	0.17893	2.14E-114	greenyellow	RAB11FIP1
1.98E-114	0.906175	0.935583	0.535165	5.71E-114	greenyellow	TMED10
2.91E-114	0.672507	0.693252	0.185433	8.32E-114	greenyellow	LIME1
1.39E-113	0.765318	0.98773	0.915461	3.95E-113	greenyellow	SRP14
2.45E-113	0.731112	0.723926	0.229881	6.89E-113	greenyellow	A1BG
2.92E-113	0.613218	0.546012	0.125053	8.17E-113	greenyellow	CD36

1.47E-112	0.752759	0.57362	0.159941	4.08E-112	greenyellow	IDH3A
6.23E-111	0.847817	0.98773	0.649195	1.71E-110	greenyellow	HLA-DPB1
1.11E-108	-0.66994	0.969325	0.994082	3.03E-108	greenyellow	RPL36
2.54E-108	1.016725	0.794479	0.333637	6.87E-108	greenyellow	CDK2AP2
9.56E-108	0.981897	0.812883	0.308535	2.57E-107	greenyellow	SAMHD1
2.49E-107	0.651536	0.429448	0.09101	6.63E-107	greenyellow	CSF2RB
1.24E-106	0.505475	0.328221	0.051861	3.29E-106	greenyellow	ICAM1
4.83E-106	1.010084	0.325153	0.055113	1.27E-105	greenyellow	MYBL2
9.26E-103	0.855965	0.742331	0.290782	2.41E-102	greenyellow	MAN2B1
7.76E-102	1.103283	0.647239	0.224939	2.01E-101	greenyellow	HLA-DQA2
4.73E-100	0.819885	0.935583	0.520241	1.21E-99	greenyellow	CYBA
1.23E-99	0.633231	0.46319	0.110974	3.13E-99	greenyellow	FLNB
1.44E-99	0.992327	0.828221	0.398472	3.64E-99	greenyellow	DSTN
8.35E-99	0.722157	0.5	0.128532	2.10E-98	greenyellow	SLC7A5
3.67E-98	0.901342	0.693252	0.25986	9.16E-98	greenyellow	SELENOS
4.17E-97	0.817219	0.730061	0.297578	1.03E-96	greenyellow	CCDC88A
9.88E-96	0.823522	0.656442	0.211705	2.43E-95	greenyellow	B4GALT1
2.27E-93	0.586412	0.466258	0.104959	5.56E-93	greenyellow	LILRB2
3.97E-93	1.328589	0.453988	0.103788	9.64E-93	greenyellow	GZMB
6.58E-93	0.65232	0.631902	0.199675	1.59E-92	greenyellow	PPM1K
3.14E-92	0.821659	0.730061	0.309771	7.52E-92	greenyellow	PDIA4
4.66E-92	0.558813	0.785276	0.302357	1.11E-91	greenyellow	HLA-DQA1
1.68E-90	0.819418	0.91411	0.541831	3.96E-90	greenyellow	P4HB
2.53E-90	0.503544	0.352761	0.067469	5.93E-90	greenyellow	SIDT1
8.66E-90	-0.50808	0.98773	0.999415	2.02E-89	greenyellow	RPL32
6.28E-89	0.767013	0.92638	0.667404	1.46E-88	greenyellow	ATP6V0C
8.04E-89	0.51922	0.377301	0.078361	1.85E-88	greenyellow	RUBCN
9.53E-89	0.642807	0.588957	0.187482	2.18E-88	greenyellow	SFT2D2
5.35E-87	-0.52429	0.984663	0.998894	1.21E-86	greenyellow	RPL12
1.70E-86	0.75811	0.858896	0.447212	3.83E-86	greenyellow	SPINT2
5.05E-86	0.589852	0.97546	0.953471	1.13E-85	greenyellow	MYL6
4.15E-85	0.701714	0.634969	0.229946	9.25E-85	greenyellow	NUDT22
1.54E-84	0.776657	0.892638	0.513868	3.41E-84	greenyellow	OSTC
3.31E-84	0.740013	0.552147	0.178052	7.28E-84	greenyellow	RRBP1
4.67E-84	0.617138	0.481595	0.138514	1.02E-83	greenyellow	GAPT
3.77E-83	0.754495	0.806748	0.34622	8.19E-83	greenyellow	IL16
4.20E-83	0.82235	0.911043	0.628093	9.07E-83	greenyellow	SEC61G
8.28E-83	0.635164	0.484663	0.140595	1.78E-82	greenyellow	POLB
3.95E-82	0.756651	0.717791	0.310551	8.44E-82	greenyellow	BID
4.13E-82	0.708616	0.644172	0.240904	8.75E-82	greenyellow	SMIM3
2.71E-81	0.7835	0.91411	0.555259	5.72E-81	greenyellow	CANX

7.93E-81	-1.54699	0.331288	0.791774	1.66E-80	greenyellow	CD52
8.19E-80	0.668716	0.610429	0.209039	1.71E-79	greenyellow	THEMIS2
1.20E-79	0.692867	0.733129	0.332304	2.48E-79	greenyellow	UBE2J1
2.96E-79	0.590309	0.54908	0.181076	6.10E-79	greenyellow	C15orf39
1.71E-78	0.791661	0.95092	0.697448	3.49E-78	greenyellow	UCP2
2.52E-78	0.519117	0.53681	0.149732	5.12E-78	greenyellow	CYTH4
6.00E-77	0.6959	0.779141	0.381076	1.21E-76	greenyellow	TMEM109
1.17E-76	0.734976	0.757669	0.3682	2.36E-76	greenyellow	FKBP2
5.17E-75	-2.13406	0.021472	0.578768	1.03E-74	greenyellow	IFITM1
7.54E-75	0.69308	0.892638	0.545667	1.50E-74	greenyellow	RPN2
2.71E-74	0.848431	0.613497	0.214989	5.36E-74	greenyellow	RGS2
4.60E-73	0.543868	0.340491	0.077516	9.05E-73	greenyellow	C3orf58
1.44E-72	0.625414	0.972393	0.893513	2.81E-72	greenyellow	MYL12A
2.26E-72	0.699745	0.92638	0.665973	4.40E-72	greenyellow	VAMP8
8.76E-72	0.66349	0.932515	0.677841	1.69E-71	greenyellow	PARK7
1.17E-71	0.664213	0.831288	0.455015	2.24E-71	greenyellow	DHRS7
2.41E-71	0.649688	0.993865	0.906357	4.60E-71	greenyellow	VIM
2.53E-71	0.746921	0.920245	0.473061	4.81E-71	greenyellow	STMN1
1.05E-70	0.631748	0.595092	0.210795	1.98E-70	greenyellow	BHLHE40
1.43E-70	0.650472	0.677914	0.295627	2.69E-70	greenyellow	MEF2C
7.98E-70	0.593318	0.47546	0.152528	1.49E-69	greenyellow	HYOU1
8.03E-69	0.505061	0.481595	0.147716	1.50E-68	greenyellow	RASSF2
5.26E-67	0.602068	0.935583	0.773338	9.74E-67	greenyellow	ARF1
7.31E-66	0.526612	0.539877	0.180036	1.35E-65	greenyellow	UNC119
8.05E-66	0.584166	0.662577	0.268347	1.48E-65	greenyellow	CCDC69
1.14E-65	0.72055	0.898773	0.605983	2.08E-65	greenyellow	DBI
1.83E-65	0.806814	0.696319	0.347976	3.31E-65	greenyellow	TM9SF2
2.43E-63	0.644393	0.920245	0.675662	4.39E-63	greenyellow	PDIA3
1.16E-62	-1.05583	0.039877	0.537051	2.08E-62	greenyellow	RARRES3
1.59E-62	0.704612	0.929448	0.67085	2.84E-62	greenyellow	HSPA5
3.17E-62	-1.0672	0.309816	0.685254	5.64E-62	greenyellow	GYPC
4.60E-62	0.65172	0.809816	0.459568	8.14E-62	greenyellow	MYDGF
2.11E-61	-1.242	0.116564	0.590571	3.72E-61	greenyellow	EVL
3.18E-61	0.522516	0.990798	0.977597	5.56E-61	greenyellow	CFL1
3.37E-61	0.575189	0.960123	0.806178	5.87E-61	greenyellow	SUB1
4.10E-61	0.711933	0.634969	0.283271	7.11E-61	greenyellow	LAIR1
1.25E-60	0.524567	0.493865	0.172427	2.15E-60	greenyellow	RELL1
1.83E-60	0.680454	0.355828	0.091822	3.15E-60	greenyellow	RGS1
4.56E-60	0.631715	0.831288	0.509673	7.78E-60	greenyellow	RPN1
5.78E-59	0.613737	0.935583	0.569371	9.82E-59	greenyellow	SELL
7.24E-59	0.566479	0.886503	0.58345	1.22E-58	greenyellow	ATP6V0B

7.47E-59	0.531651	0.653374	0.302878	1.26E-58	greenyellow	SYK
1.07E-58	0.516042	0.506135	0.177922	1.80E-58	greenyellow	PARP10
1.61E-58	0.518043	0.97546	0.877158	2.69E-58	greenyellow	YWHAZ
1.74E-58	0.534806	0.429448	0.142091	2.88E-58	greenyellow	PRMT7
1.87E-58	0.652249	0.644172	0.310096	3.09E-58	greenyellow	SEC11C
2.73E-58	0.587677	0.733129	0.300374	4.50E-58	greenyellow	ARL4C
3.51E-58	0.995096	0.766871	0.375516	5.75E-58	greenyellow	LGALS1
5.77E-58	0.651178	0.472393	0.177077	9.40E-58	greenyellow	EIF4A3
8.53E-58	0.692498	0.96319	0.58358	1.38E-57	greenyellow	TXN
4.79E-57	-1.70744	0.453988	0.774606	7.73E-57	greenyellow	JUNB
6.36E-57	0.672191	0.674847	0.349894	1.02E-56	greenyellow	AP3S1
1.39E-56	0.51752	0.91411	0.69088	2.22E-56	greenyellow	PSAP
3.99E-56	0.582788	0.920245	0.643017	6.36E-56	greenyellow	PPP1R15A
7.21E-56	0.595058	0.503067	0.201691	1.14E-55	greenyellow	DCPS
9.43E-55	0.508393	0.650307	0.276508	1.49E-54	greenyellow	PRKCB
1.07E-53	0.605544	0.766871	0.435084	1.69E-53	greenyellow	SSR3
3.42E-53	0.665166	0.751534	0.407966	5.36E-53	greenyellow	NR3C1
4.73E-53	-1.28003	0.042945	0.487303	7.37E-53	greenyellow	CD69
7.86E-53	0.678865	0.687117	0.342904	1.22E-52	greenyellow	AC007952.4
8.84E-53	0.600223	0.754601	0.441652	1.36E-52	greenyellow	DBNL
1.30E-52	0.534819	0.803681	0.461811	2.00E-52	greenyellow	TRABD
3.79E-52	0.624768	0.650307	0.31842	5.80E-52	greenyellow	GNA15
9.89E-52	-0.79447	0.555215	0.841977	1.51E-51	greenyellow	LIMD2
1.01E-51	-1.09251	0.303681	0.691432	1.53E-51	greenyellow	ANXA1
1.50E-51	0.598362	0.346626	0.100016	2.26E-51	greenyellow	Z93241.1
3.18E-51	0.544978	0.684049	0.354284	4.79E-51	greenyellow	AKIRIN2
3.84E-51	-0.83214	0.248466	0.65482	5.74E-51	greenyellow	LY6E
4.48E-51	0.516211	0.883436	0.578345	6.68E-51	greenyellow	9-Sep
1.99E-50	0.541296	0.837423	0.532629	2.96E-50	greenyellow	MLF2
5.25E-50	0.623103	0.855828	0.543716	7.76E-50	greenyellow	LAPTM4A
1.12E-49	-1.18041	0.046012	0.472574	1.65E-49	greenyellow	TRBC2
1.52E-49	0.521852	0.957055	0.852707	2.22E-49	greenyellow	RBM3
2.81E-49	0.825007	0.97546	0.854788	4.11E-49	greenyellow	HMG2
1.59E-48	0.587588	0.763804	0.445814	2.32E-48	greenyellow	PHB
3.96E-48	0.616065	0.773006	0.476833	5.74E-48	greenyellow	TRAM1
4.71E-47	-1.22793	0.521472	0.796521	6.79E-47	greenyellow	TXNIP
6.62E-47	-1.18804	0.214724	0.611185	9.51E-47	greenyellow	NEAT1
1.42E-46	-1.02557	0.144172	0.560267	2.03E-46	greenyellow	DNAJB1
1.17E-45	0.515365	0.530675	0.21073	1.66E-45	greenyellow	AC016831.7
1.73E-45	0.553437	0.883436	0.641749	2.46E-45	greenyellow	MTDH
2.59E-45	0.689445	0.996933	0.972687	3.66E-45	greenyellow	ACTG1

3.47E-45	0.560772	0.812883	0.537636	4.88E-45	greenyellow	DDOST
5.62E-45	0.518413	0.57362	0.281027	7.88E-45	greenyellow	TSPAN3
8.14E-45	0.527198	0.803681	0.532141	1.14E-44	greenyellow	COPE
1.96E-44	0.561545	0.800613	0.536336	2.73E-44	greenyellow	TMED2
2.52E-44	0.501221	0.809816	0.506714	3.49E-44	greenyellow	NUCB1
5.89E-44	0.529615	0.441718	0.182377	8.13E-44	greenyellow	EIF2AK4
6.40E-44	0.595638	0.730061	0.453682	8.80E-44	greenyellow	HM13
6.48E-44	-2.14831	0	0.392294	8.88E-44	greenyellow	IL32
5.13E-43	0.523565	0.59816	0.308633	7.00E-43	greenyellow	SEC61A1
3.73E-42	-1.00337	0.058282	0.442042	5.07E-42	greenyellow	ZFP36L1
7.67E-42	-1.05171	0.030675	0.409787	1.04E-41	greenyellow	SLC2A3
3.75E-41	0.602755	0.702454	0.430889	5.06E-41	greenyellow	CTSC
3.86E-41	-0.90572	0.595092	0.775744	5.18E-41	greenyellow	IFITM2
8.33E-41	0.503285	0.935583	0.76121	1.12E-40	greenyellow	TMBIM6
5.26E-40	0.507872	0.708589	0.420484	7.01E-40	greenyellow	DNAJC4
5.90E-40	0.516149	0.794479	0.539002	7.84E-40	greenyellow	SELENOF
1.13E-39	0.526379	0.886503	0.669225	1.49E-39	greenyellow	EIF4G2
4.03E-39	0.553033	0.634969	0.336108	5.32E-39	greenyellow	OGT
8.84E-39	0.517727	0.736196	0.470558	1.16E-38	greenyellow	OS9
1.14E-38	-0.96839	0.407975	0.688636	1.49E-38	greenyellow	TSPO
1.88E-38	-0.95227	0.113497	0.478751	2.45E-38	greenyellow	MT2A
5.81E-38	0.513628	0.788344	0.533182	7.55E-38	greenyellow	BRD2
1.66E-37	0.504864	0.628834	0.362705	2.15E-37	greenyellow	ERCC1
1.87E-37	0.555702	0.684049	0.434694	2.41E-37	greenyellow	KIF5B
1.34E-36	-0.6515	0.570552	0.741766	1.73E-36	greenyellow	TPI1
2.68E-36	0.544644	0.496933	0.22728	3.43E-36	greenyellow	AC245014.3
3.88E-36	0.580902	0.546012	0.293383	4.95E-36	greenyellow	FYTTD1
1.79E-35	0.545113	0.481595	0.234336	2.27E-35	greenyellow	TP53I13
3.49E-35	0.518219	0.779141	0.510486	4.42E-35	greenyellow	PAXX
4.29E-35	-0.84807	0.196319	0.541538	5.41E-35	greenyellow	FLNA
5.66E-35	-0.85445	0.150307	0.487433	7.12E-35	greenyellow	IFITM3
7.23E-35	-1.12205	0.254601	0.567127	9.05E-35	greenyellow	CTSW
6.87E-34	-1.12738	0	0.322809	8.58E-34	greenyellow	CD3D
1.36E-33	-0.60145	0.392638	0.666688	1.69E-33	greenyellow	ICAM3
2.82E-33	-1.02092	0.079755	0.413396	3.49E-33	greenyellow	TIMP1
5.96E-33	-0.94691	0.039877	0.362965	7.36E-33	greenyellow	NR4A2
8.02E-32	-0.62301	0.08589	0.409559	9.87E-32	greenyellow	LCP2
1.03E-31	-0.96188	0.015337	0.322939	1.27E-31	greenyellow	LCK
1.05E-31	0.617934	0.601227	0.343359	1.28E-31	greenyellow	PLEK
1.62E-31	-0.74426	0.907975	0.947358	1.97E-31	greenyellow	HLA-E
2.50E-30	-0.83793	0.165644	0.450593	3.04E-30	greenyellow	CD48

3.02E-30	-0.56026	0.08589	0.407153	3.65E-30	greenyellow	ITM2A
3.41E-30	-0.88452	0.009202	0.306649	4.11E-30	greenyellow	SPOCK2
4.16E-29	-1.41545	0.006135	0.293091	5.00E-29	greenyellow	IL7R
8.70E-29	-0.80804	0.009202	0.294391	1.04E-28	greenyellow	PIK3IP1
1.58E-28	-1.55358	0.015337	0.299724	1.89E-28	greenyellow	CST7
3.44E-28	-0.65292	0.282209	0.525443	4.09E-28	greenyellow	HSPB1
3.97E-28	-0.61457	0.003067	0.282198	4.71E-28	greenyellow	CD34
7.26E-28	-1.09059	0.058282	0.338872	8.58E-28	greenyellow	PRSS57
2.42E-27	-0.66081	0.138037	0.431247	2.85E-27	greenyellow	TBC1D10C
4.53E-27	-0.69515	0	0.269582	5.31E-27	greenyellow	LAT
6.04E-27	-0.52615	0.208589	0.488994	7.06E-27	greenyellow	PPA1
3.75E-26	-0.62373	0.202454	0.487986	4.37E-26	greenyellow	BIN2
7.03E-26	-0.74941	0.003067	0.263664	8.17E-26	greenyellow	HOPX
8.94E-26	-1.52486	0.162577	0.403869	1.04E-25	greenyellow	CD3E
1.23E-25	0.748532	0.650307	0.429979	1.42E-25	greenyellow	GADD45B
1.45E-25	-0.74963	0.018405	0.278719	1.66E-25	greenyellow	ZAP70
2.94E-25	-0.78903	0	0.254463	3.37E-25	greenyellow	CD3G
6.51E-25	-0.86878	0.003067	0.255178	7.44E-25	greenyellow	GZMM
7.47E-25	-0.56269	0.04908	0.31842	8.51E-25	greenyellow	AGTRAP
9.52E-25	-0.64757	0.021472	0.278134	1.08E-24	greenyellow	CSF3R
6.35E-24	-0.6902	0.01227	0.258755	7.19E-24	greenyellow	FLT3LG
1.21E-23	-0.56493	0.052147	0.3086	1.37E-23	greenyellow	EGFL7
1.90E-23	-0.52696	0.444785	0.657096	2.14E-23	greenyellow	MSN
5.21E-23	-0.72332	0.021472	0.262429	5.84E-23	greenyellow	KLF2
2.68E-22	-0.57975	0.021472	0.257844	2.99E-22	greenyellow	ABLIM1
5.36E-22	-0.81205	0.690184	0.819932	5.97E-22	greenyellow	TSC22D3
1.34E-21	-0.58376	0.251534	0.500179	1.48E-21	greenyellow	ANXA6
1.46E-21	-0.84899	0.168712	0.425849	1.61E-21	greenyellow	DUSP1
2.79E-21	-0.61992	0.033742	0.26555	3.08E-21	greenyellow	TUBA4A
5.31E-21	-0.94861	0.165644	0.412486	5.84E-21	greenyellow	CD7
6.00E-21	-0.93757	0.196319	0.424061	6.58E-21	greenyellow	TNFAIP3
1.08E-20	-0.58247	0.042945	0.270363	1.18E-20	greenyellow	PRKCH
8.72E-19	-0.58517	0.055215	0.268054	9.50E-19	greenyellow	LBH
1.76E-18	-0.51943	0.082822	0.308243	1.91E-18	greenyellow	LYAR
2.93E-18	-0.54095	0.981595	0.986279	3.17E-18	greenyellow	HLA-A
1.04E-17	-0.58572	0.223926	0.43141	1.13E-17	greenyellow	HLA-F
2.50E-17	-0.54928	0.165644	0.379581	2.69E-17	greenyellow	P2RY8
2.79E-17	-0.52847	0.469325	0.643668	3.00E-17	greenyellow	TUBA1A
2.89E-17	-0.61649	0.343558	0.490489	3.10E-17	greenyellow	IMPDH2
6.32E-17	-0.64489	0.358896	0.556755	6.74E-17	greenyellow	LEPROTL1
2.96E-16	-0.62051	0.659509	0.748919	3.15E-16	greenyellow	PTPRC

6.62E-16	-0.62023	0.365031	0.52967	7.02E-16	greenyellow	BTG1
2.39E-15	-0.56665	0.144172	0.332499	2.52E-15	greenyellow	ISG20
6.70E-15	-0.62447	0.214724	0.413461	7.06E-15	greenyellow	NFKBIA
7.89E-15	-0.66195	0.122699	0.295822	8.29E-15	greenyellow	FCMR
6.41E-14	-0.77092	0.453988	0.550577	6.71E-14	greenyellow	AIF1
7.89E-13	-2.2654	0.08589	0.252707	8.24E-13	greenyellow	LYZ
9.95E-13	-0.67469	0.595092	0.609982	1.04E-12	greenyellow	SERPINB1
8.99E-12	-0.54259	0.107362	0.261909	9.34E-12	greenyellow	SMIM24
9.58E-12	-0.86989	0.254601	0.397984	9.92E-12	greenyellow	LTB
1.60E-10	-0.53706	0.355828	0.510616	1.65E-10	greenyellow	NOSIP
2.19E-10	-0.60074	0.110429	0.252869	2.26E-10	greenyellow	SPINK2
7.06E-10	-0.55147	0.144172	0.297545	7.24E-10	greenyellow	NAMPT
9.28E-10	-0.60735	0.423313	0.520956	9.50E-10	greenyellow	LITAF
8.43E-09	-0.50061	0.147239	0.280182	8.60E-09	greenyellow	BLVRB
1.37E-08	-0.62682	0.242331	0.381922	1.39E-08	greenyellow	LST1
5.37E-08	-0.73932	0.809816	0.811738	5.45E-08	greenyellow	S100A4
1.13E-05	-0.53537	0.996933	0.994082	1.15E-05	greenyellow	FTL
0.016644	-0.72323	0.322086	0.347098	0.016787	greenyellow	S100A11
0	4.308029	0.708571	0.003527	0	tan	CLC
0	2.054001	0.72	0.008639	0	tan	HDC
0	2.004146	0.857143	0.041739	0	tan	MS4A3
0	1.466738	0.56	0.007054	0	tan	MS4A2
0	1.153442	0.485714	0.003462	0	tan	PRG2
0	0.546662	0.302857	0.004303	0	tan	ANGPT2
2.12E-262	1.161114	0.411429	0.021258	6.99E-261	tan	TPSAB1
1.09E-196	1.146121	0.462857	0.035818	3.16E-195	tan	HPGD
1.52E-183	1.292346	0.817143	0.128616	3.90E-182	tan	CPA3
3.09E-178	0.502862	0.257143	0.011939	7.14E-177	tan	TPSD1
8.28E-158	1.530365	0.771429	0.128033	1.74E-156	tan	RNASE2
3.94E-150	0.533419	0.428571	0.039604	7.58E-149	tan	SLC45A3
2.32E-147	1.558008	0.72	0.119168	4.11E-146	tan	FCER1A
4.16E-143	1.254655	0.702857	0.11865	6.86E-142	tan	LMO4
2.17E-138	0.736384	0.257143	0.015563	3.34E-137	tan	TPSB2
1.75E-136	0.944014	0.611429	0.091633	2.53E-135	tan	CSF2RB
9.53E-129	1.355326	0.714286	0.139682	1.29E-127	tan	GATA2
8.79E-124	0.735565	0.582857	0.089012	1.13E-122	tan	EXD3
1.50E-101	0.790603	0.542857	0.094512	1.82E-100	tan	HPGDS
7.18E-100	1.237727	0.971429	0.33233	8.29E-99	tan	PRSS57
8.84E-97	1.165964	0.788571	0.204815	9.73E-96	tan	EREG
2.51E-90	0.727832	0.571429	0.101275	2.63E-89	tan	CNRIP1
1.80E-88	0.633559	0.537143	0.097813	1.81E-87	tan	RHEX

7.82E-87	1.601784	0.994286	0.826603	7.53E-86	tan	SRGN
5.31E-79	-1.46559	1	0.999676	4.90E-78	tan	B2M
1.92E-72	0.899118	0.942857	0.364136	1.71E-71	tan	AC084033.3
7.97E-72	1.281606	0.457143	0.088074	6.82E-71	tan	OSM
1.21E-69	1.013605	0.971429	0.543325	1.00E-68	tan	P4HB
1.99E-64	0.877302	0.982857	0.848347	1.59E-63	tan	PPIB
1.84E-62	0.500771	0.994286	0.999256	1.42E-61	tan	RPS24
1.05E-61	0.579381	0.554286	0.138776	7.81E-61	tan	NAALADL1
1.76E-61	0.760304	0.6	0.166926	1.27E-60	tan	TENT5A
5.88E-60	0.787193	0.977143	0.696531	4.11E-59	tan	SEC61B
7.07E-59	0.846545	0.994286	0.891995	4.80E-58	tan	RPS2
5.50E-57	-1.40068	0.931429	0.993593	3.63E-56	tan	HLA-C
3.59E-56	1.016249	0.72	0.257814	2.30E-55	tan	ALOX5AP
3.88E-56	1.060593	0.651429	0.213777	2.42E-55	tan	PLIN2
6.27E-56	-1.32161	0.977143	0.997509	3.81E-55	tan	HLA-B
1.61E-55	0.76203	0.84	0.369637	9.53E-55	tan	FKBP2
4.36E-55	0.970766	0.891429	0.467935	2.52E-54	tan	CD63
4.69E-54	0.696864	0.502857	0.137125	2.64E-53	tan	KIT
6.38E-52	0.557626	0.514286	0.134375	3.51E-51	tan	RFLNB
7.28E-52	0.881787	0.977143	0.716883	3.91E-51	tan	CALR
3.96E-50	-2.4243	0.8	0.919563	2.08E-49	tan	CD74
8.35E-49	0.782641	0.965714	0.629166	4.29E-48	tan	SEC61G
1.35E-48	0.6376	0.668571	0.24128	6.76E-48	tan	TRIM28
3.39E-48	0.672421	0.994286	0.793276	1.66E-47	tan	SSR4
3.46E-48	0.577645	0.371429	0.078431	1.66E-47	tan	NR4A3
4.65E-48	-1.27658	0.794286	0.947809	2.19E-47	tan	HLA-E
9.67E-48	0.647111	0.748571	0.280787	4.47E-47	tan	MGST1
2.26E-47	-0.75776	1	0.999644	1.02E-46	tan	ACTB
8.18E-47	0.681157	0.794286	0.345305	3.63E-46	tan	HMGA1
2.30E-46	-1.71977	0.422857	0.789005	1.00E-45	tan	CD52
3.10E-46	0.732185	0.845714	0.461076	1.33E-45	tan	MYDGF
4.24E-46	0.823279	0.828571	0.365592	1.78E-45	tan	JUND
1.46E-45	0.857342	0.382857	0.086941	6.01E-45	tan	CTSG
5.75E-45	0.568674	0.651429	0.2395	2.33E-44	tan	VAT1
6.97E-45	-1.60025	0.342857	0.796188	2.77E-44	tan	TXNIP
1.85E-44	0.635977	0.662857	0.252022	7.26E-44	tan	RUNX1
2.97E-44	-0.65894	0.954286	0.970038	1.14E-43	tan	ARHGDIB
5.63E-44	0.898545	0.725714	0.29237	2.13E-43	tan	CLEC11A
6.56E-44	1.063622	0.868571	0.482916	2.44E-43	tan	GLUL
7.67E-43	0.702891	0.817143	0.43642	2.81E-42	tan	SSR3
6.18E-42	0.615349	0.805714	0.371449	2.23E-41	tan	H2AFV

8.22E-42	-1.48183	0.462857	0.820585	2.92E-41	tan	TSC22D3
6.01E-41	0.502095	0.434286	0.11577	2.10E-40	tan	CITED2
8.53E-41	0.608493	0.96	0.659937	2.94E-40	tan	TMEM258
4.49E-40	-0.8653	0.994286	0.99877	1.53E-39	tan	TMSB10
3.68E-39	0.663779	0.845714	0.390118	1.23E-38	tan	SOX4
2.21E-38	-1.24877	0.354286	0.75021	7.31E-38	tan	PTPRC
1.44E-37	0.557733	0.782857	0.360933	4.69E-37	tan	RNF130
2.46E-37	-1.95744	0.44	0.773118	7.89E-37	tan	JUNB
2.74E-37	-0.58303	0.988571	0.990358	8.66E-37	tan	MT-ND4L
7.12E-37	0.652042	0.874286	0.515822	2.22E-36	tan	OSTC
1.08E-36	0.864174	0.771429	0.401702	3.32E-36	tan	ITM2A
1.52E-36	0.513761	0.657143	0.274283	4.63E-36	tan	ZNF593
2.31E-36	0.672397	0.914286	0.555588	6.94E-36	tan	NUCB2
3.78E-36	0.510614	1	0.919627	1.12E-35	tan	HMGB1
1.37E-34	0.540551	0.645714	0.26655	4.00E-34	tan	FKBP11
1.51E-34	0.770242	0.954286	0.685854	4.35E-34	tan	ANXA1
3.59E-34	-0.70724	1	0.999191	1.02E-33	tan	MALAT1
4.26E-34	-1.29066	0.131429	0.588171	1.20E-33	tan	EVL
5.80E-34	0.530968	0.942857	0.642594	1.61E-33	tan	MTDH
1.43E-33	0.616866	0.788571	0.368796	3.95E-33	tan	FABP5
2.48E-33	-1.09184	0.594286	0.805863	6.75E-33	tan	LSP1
1.18E-32	1.664451	0.302857	0.072316	3.16E-32	tan	AZU1
6.39E-32	-0.68534	0.754286	0.904776	1.70E-31	tan	DAZAP2
2.12E-31	-1.02402	0.651429	0.821459	5.57E-31	tan	CORO1A
5.33E-31	-0.90039	0.942857	0.986475	1.38E-30	tan	HLA-A
5.89E-31	-1.55002	0.337143	0.652656	1.51E-30	tan	HLA-DPA1
1.30E-30	0.562192	0.565714	0.205656	3.29E-30	tan	PLAUR
7.49E-30	0.56161	0.445714	0.151556	1.88E-29	tan	GADD45A
1.09E-28	0.505601	0.634286	0.289232	2.72E-28	tan	SNX5
2.23E-28	-0.94841	0.177143	0.583835	5.48E-28	tan	9-Sep
4.07E-28	0.558997	0.474286	0.176147	9.89E-28	tan	H1FX
7.47E-28	-0.56409	0.817143	0.886818	1.80E-27	tan	PSME1
8.24E-28	0.84432	0.685714	0.379764	1.96E-27	tan	AKR1B1
8.85E-28	-0.83098	0.268571	0.65531	2.09E-27	tan	CD44
1.48E-27	0.544652	0.925714	0.691646	3.46E-27	tan	NDUFB9
3.67E-27	-0.92301	0.754286	0.886042	8.49E-27	tan	CALM1
1.69E-26	0.617072	0.731429	0.422248	3.87E-26	tan	CAMLG
2.35E-25	-1.86937	0	0.403611	5.31E-25	tan	CD3E
4.28E-25	-0.60309	0.954286	0.980748	9.59E-25	tan	UBC
5.79E-25	-1.20742	0.365714	0.645668	1.29E-24	tan	ITGB2
6.10E-25	-1.65275	0	0.398725	1.34E-24	tan	LTB

7.03E-25	-0.81393	0.582857	0.774154	1.53E-24	tan	GPSM3
1.18E-24	0.573164	0.411429	0.145765	2.55E-24	tan	XIST
1.31E-24	0.581923	0.971429	0.826118	2.79E-24	tan	MIF
5.00E-24	-0.8656	0.811429	0.906652	1.06E-23	tan	SARAF
7.57E-24	-1.3155	0.428571	0.654015	1.59E-23	tan	HLA-DPB1
7.94E-24	-1.84781	0.268571	0.574646	1.65E-23	tan	IFITM1
8.00E-24	-2.13226	0.005714	0.390345	1.65E-23	tan	IL32
1.28E-23	-0.79192	0.754286	0.895134	2.61E-23	tan	MYL12A
1.39E-23	-1.67049	0.422857	0.64227	2.82E-23	tan	HLA-DRB1
3.16E-22	-0.94216	0.091429	0.449621	6.34E-22	tan	CD48
3.87E-22	-0.56959	0.771429	0.86954	7.70E-22	tan	ARPC2
7.64E-22	-2.09919	0.4	0.603281	1.51E-21	tan	HLA-DRA
9.33E-22	-0.6799	0.811429	0.927425	1.83E-21	tan	LAPTM5
1.50E-21	-1.0972	0.102857	0.466835	2.91E-21	tan	CTSS
1.06E-20	-0.89097	0.217143	0.528959	2.03E-20	tan	CCND3
1.94E-20	-0.68529	0.994286	0.993691	3.71E-20	tan	TMSB4X
2.48E-20	-0.72515	0.217143	0.536821	4.70E-20	tan	RGS10
3.33E-20	-0.76701	0.171429	0.499418	6.26E-20	tan	ANXA6
4.81E-20	-0.83204	0.52	0.701126	8.96E-20	tan	UCP2
1.21E-19	-0.68371	0.514286	0.712224	2.24E-19	tan	HCLS1
6.23E-19	-1.43029	0.36	0.609364	1.14E-18	tan	S100A10
7.00E-19	-0.98337	0	0.321523	1.27E-18	tan	LCK
7.35E-19	-1.12407	0	0.321232	1.33E-18	tan	CD3D
1.53E-18	-0.97787	0.44	0.709797	2.74E-18	tan	ZFP36
3.65E-18	-0.77105	0.108571	0.416974	6.49E-18	tan	CYTIP
4.37E-18	-0.65814	0.028571	0.343234	7.70E-18	tan	GLIPR1
5.17E-18	-0.63879	0.022857	0.334175	9.06E-18	tan	BIN1
5.85E-18	-0.81868	0.245714	0.533456	1.02E-17	tan	RARRES3
6.00E-18	-1.36257	0.388571	0.582961	1.03E-17	tan	HLA-DRB5
1.03E-17	-0.9069	0	0.305248	1.76E-17	tan	SPOCK2
4.78E-17	-1.03673	0.068571	0.369928	8.11E-17	tan	HLA-DQB1
9.00E-17	-1.42397	0	0.291723	1.52E-16	tan	IL7R
1.04E-16	-0.71412	0.12	0.417945	1.75E-16	tan	RIPOR2
1.14E-16	0.558747	0.508571	0.254837	1.90E-16	tan	H1FO
1.31E-16	-0.79935	0.148571	0.430822	2.17E-16	tan	HLA-F
1.33E-16	-0.8371	0.005714	0.295638	2.18E-16	tan	FCMR
1.36E-16	-0.92949	0.268571	0.521355	2.21E-16	tan	LITAF
1.81E-16	-0.68735	0.868571	0.907558	2.93E-16	tan	CD37
2.27E-16	-0.50449	0.828571	0.87847	3.65E-16	tan	YWHAZ
3.02E-16	-0.66877	0.062857	0.352682	4.80E-16	tan	IL16
3.03E-16	-0.9662	0.485714	0.658513	4.80E-16	tan	HCST

3.32E-16	-0.71505	0.971429	0.968841	5.22E-16	tan	SH3BGRL3
4.61E-16	-0.80352	0.028571	0.31544	7.20E-16	tan	SAMHD1
7.50E-16	-0.54077	0.84	0.855983	1.16E-15	tan	RAC2
8.38E-16	-0.83565	0.148571	0.439656	1.29E-15	tan	ZFP36L1
1.39E-15	-0.81047	0.017143	0.292953	2.12E-15	tan	PIK3IP1
3.75E-15	-0.95548	0.217143	0.46952	5.70E-15	tan	TRBC2
5.48E-15	-0.67671	0.308571	0.553388	8.28E-15	tan	ARHGEF1
6.29E-15	-0.76205	0.034286	0.306445	9.44E-15	tan	ARL4C
1.42E-14	-0.64146	0.788571	0.810328	2.10E-14	tan	CD99
1.42E-14	-0.72754	0.011429	0.27286	2.10E-14	tan	IL10RA
2.11E-14	-0.74376	0.017143	0.277454	3.10E-14	tan	ZAP70
2.27E-14	-0.63576	0.011429	0.26943	3.31E-14	tan	PRKCH
3.03E-14	-0.86178	0.045714	0.308904	4.41E-14	tan	HLA-DQA1
3.22E-14	-0.78636	0	0.253219	4.64E-14	tan	CD3G
4.17E-14	-0.57028	0.754286	0.839449	5.98E-14	tan	LIMD2
4.93E-14	-0.56965	0.331429	0.560377	7.03E-14	tan	WAS
5.11E-14	-0.66388	0.337143	0.555782	7.24E-14	tan	STK17B
5.24E-14	-0.54184	0.634286	0.685757	7.38E-14	tan	6-Sep
5.78E-14	-0.52324	0.04	0.301107	8.10E-14	tan	MEF2C
7.78E-14	-0.86444	0.005714	0.253931	1.08E-13	tan	GZMM
1.66E-13	-0.59648	0.48	0.651524	2.30E-13	tan	LY6E
5.82E-13	-0.62726	0.474286	0.641429	8.00E-13	tan	CNN2
1.13E-12	-0.55096	0.177143	0.420792	1.55E-12	tan	SP100
1.40E-12	-0.6286	0.474286	0.617129	1.91E-12	tan	PSMB9
1.50E-12	-1.21453	0.188571	0.41115	2.02E-12	tan	CD7
1.51E-12	-0.54499	0.074286	0.315861	2.03E-12	tan	SLC44A2
1.56E-12	-0.65804	0.034286	0.267133	2.09E-12	tan	LBH
1.61E-12	-0.71877	0.028571	0.261211	2.14E-12	tan	KLF2
2.63E-12	-1.0187	0.205714	0.422895	3.48E-12	tan	TNFAIP3
3.19E-12	-0.55392	0.457143	0.630363	4.18E-12	tan	RNASET2
3.83E-12	-0.62172	0.194286	0.429496	5.00E-12	tan	TBC1D10C
4.68E-12	-0.51803	0.08	0.316605	6.08E-12	tan	TRIM22
4.76E-12	-0.5962	0.068571	0.303857	6.15E-12	tan	TAGAP
5.15E-12	-0.81274	0.571429	0.693911	6.61E-12	tan	PSAP
6.81E-12	-0.90255	0.331429	0.497412	8.70E-12	tan	FYB1
7.36E-12	-0.66045	0.04	0.264382	9.35E-12	tan	TUBA4A
2.54E-11	-0.55063	0.188571	0.407397	3.21E-11	tan	LCP2
2.75E-11	-0.58724	0.445714	0.615512	3.46E-11	tan	MYH9
3.62E-11	-0.52219	0.445714	0.621012	4.52E-11	tan	TAPBP
5.14E-11	-0.71419	0.462857	0.573837	6.38E-11	tan	SELL
7.83E-11	-0.6894	0.125714	0.331683	9.67E-11	tan	ISG20

8.85E-11	-0.57995	0.28	0.486152	1.09E-10	tan	BIN2
9.33E-11	-0.56331	0.091429	0.30596	1.14E-10	tan	GNG2
1.06E-10	-0.61211	0.377143	0.558144	1.29E-10	tan	YPEL5
1.18E-10	-0.65109	0.051429	0.257329	1.43E-10	tan	FLT3LG
1.20E-10	-0.7191	0.24	0.433379	1.44E-10	tan	GADD45B
1.60E-10	-0.65899	0.051429	0.262117	1.91E-10	tan	HOPX
2.34E-10	-0.6191	0.245714	0.440821	2.79E-10	tan	PIK3R1
5.50E-10	-0.57682	0.691429	0.777487	6.51E-10	tan	JUN
6.96E-10	-0.6836	0.205714	0.413188	8.20E-10	tan	DDIT4
8.30E-10	-0.79368	0.228571	0.406814	9.74E-10	tan	SLC2A3
1.06E-09	-0.50907	0.4	0.622145	1.24E-09	tan	RPS4Y1
1.50E-09	-0.50831	0.348571	0.525626	1.74E-09	tan	ANKRD12
3.09E-09	-0.5537	0.325714	0.490358	3.57E-09	tan	PRMT2
5.06E-09	-0.55827	0.222857	0.421536	5.81E-09	tan	BTG2
7.21E-09	-0.56524	0.348571	0.5	8.25E-09	tan	ARRB2
1.10E-08	-0.50728	0.2	0.383744	1.25E-08	tan	PPP1R18
1.34E-08	1.079773	0.262857	0.12716	1.51E-08	tan	MPO
2.22E-08	-0.50294	0.137143	0.317608	2.50E-08	tan	RNF125
2.57E-08	-0.56079	0.28	0.440918	2.88E-08	tan	1-Sep
3.93E-08	-0.52873	0.297143	0.464602	4.38E-08	tan	HIF1A
5.15E-08	-0.53422	0.308571	0.483628	5.72E-08	tan	CD69
9.06E-08	-0.56802	0.274286	0.445545	1.00E-07	tan	IRF1
3.79E-07	-0.68574	0.102857	0.254352	4.17E-07	tan	NCF1
8.10E-07	-0.54577	0.451429	0.545557	8.87E-07	tan	EZR
9.41E-07	-0.55838	0.314286	0.442794	1.03E-06	tan	VSIR
2.73E-06	-0.51221	0.382857	0.49657	2.96E-06	tan	AES
3.13E-06	-0.62702	0.417143	0.499385	3.37E-06	tan	HLA-DMA
4.87E-06	-0.50298	0.245714	0.370025	5.23E-06	tan	RNF213
6.73E-06	-0.58573	0.171429	0.307643	7.19E-06	tan	ID2
9.52E-06	-0.51358	0.28	0.391413	1.01E-05	tan	TRAF3IP3
0.000103	-0.86234	0.834286	0.81159	0.000109	tan	S100A4
0.000104	-0.59096	0.262857	0.360124	0.000109	tan	NR4A2
0.000969	-0.97092	0.28	0.347214	0.001017	tan	S100A11
0.001073	-0.54837	0.417143	0.475248	0.001122	tan	MT2A
0.003246	0.841873	0.28	0.199185	0.003377	tan	HSPA1A
0.003353	-0.56622	0.24	0.301107	0.003474	tan	ANXA2
0	3.268949	0.987903	0.103459	0	royalblue	S100A8
0	3.123391	0.985023	0.107173	0	royalblue	S100A9
0	2.895284	0.948733	0.056602	0	royalblue	S100A12
0	2.436901	0.971198	0.080831	0	royalblue	FCN1
0	2.392616	0.987327	0.207395	0	royalblue	LYZ

0	2.34613	0.926267	0.065667	0	royalblue	VCAN
0	2.130508	0.986175	0.286216	0	royalblue	TYROBP
0	2.103125	0.689516	0.049583	0	royalblue	G0S2
0	2.049205	0.990783	0.813904	0	royalblue	S100A6
0	2.024363	0.858871	0.16916	0	royalblue	PLAUR
0	1.944188	0.821429	0.052343	0	royalblue	CD14
0	1.936872	0.972926	0.602385	0	royalblue	SAT1
0	1.921458	0.982719	0.373965	0	royalblue	CST3
0	1.891669	0.861751	0.0641	0	royalblue	SERPINA1
0	1.876247	0.957949	0.310683	0	royalblue	S100A11
0	1.745141	0.918203	0.437962	0	royalblue	CTSS
0	1.731017	0.850806	0.107003	0	royalblue	CSTA
0	1.728331	0.849654	0.263179	0	royalblue	NAMPT
0	1.714892	0.445853	0.041983	0	royalblue	CXCL8
0	1.700738	0.898041	0.395059	0	royalblue	DUSP1
0	1.694307	0.959677	0.586165	0	royalblue	NEAT1
0	1.676815	0.808756	0.104549	0	royalblue	LGALS3
0	1.661845	0.999424	0.993798	0	royalblue	FTL
0	1.661757	0.964286	0.669211	0	royalblue	TSPO
0	1.641747	0.930876	0.21772	0	royalblue	FCER1G
0	1.63467	0.785714	0.208076	0	royalblue	ATP2B1-AS1
0	1.627475	0.979263	0.585994	0	royalblue	S100A10
0	1.592885	0.773618	0.113273	0	royalblue	TYMP
0	1.58461	0.988479	0.801261	0	royalblue	S100A4
0	1.562929	0.867512	0.382825	0	royalblue	TIMP1
0	1.553924	0.796083	0.127517	0	royalblue	CD68
0	1.54128	0.711982	0.082535	0	royalblue	SLC11A1
0	1.540802	0.698157	0.050775	0	royalblue	TMEM176B
0	1.517766	0.799539	0.160436	0	royalblue	COTL1
0	1.476087	0.751152	0.137604	0	royalblue	CFD
0	1.456643	0.892857	0.350145	0	royalblue	LST1
0	1.456179	0.614055	0.039189	0	royalblue	PLBD1
0	1.45074	0.960829	0.525234	0	royalblue	AIF1
0	1.442775	0.618664	0.038201	0	royalblue	C5AR1
0	1.424761	0.943548	0.34626	0	royalblue	LGALS1
0	1.41368	0.710253	0.190118	0	royalblue	RGS2
0	1.407692	0.453341	0.03418	0	royalblue	THBS1
0	1.402134	0.669355	0.067473	0	royalblue	MS4A6A
0	1.401013	0.557604	0.021537	0	royalblue	RBP7
0	1.399964	0.718318	0.128642	0	royalblue	CFP
0	1.397821	1	0.996286	0	royalblue	FTH1

0	1.392322	0.658986	0.054013	0	royalblue	CLEC7A
0	1.378613	0.934332	0.678957	0	royalblue	PSAP
0	1.368363	0.789747	0.343943	0	royalblue	GRN
0	1.367793	0.529378	0.037519	0	royalblue	MAFB
0	1.316251	0.477535	0.032919	0	royalblue	APOBEC3A
0	1.304193	0.641129	0.133924	0	royalblue	CTSD
0	1.287368	0.577765	0.0351	0	royalblue	CDA
0	1.286002	0.578341	0.040211	0	royalblue	FPR1
0	1.285941	0.835253	0.461169	0	royalblue	MCL1
0	1.2701	0.631912	0.167661	0	royalblue	STXBP2
0	1.266115	0.574885	0.077526	0	royalblue	KLF4
0	1.256664	0.50288	0.069927	0	royalblue	MNDA
0	1.240489	0.56106	0.046482	0	royalblue	LILRA5
0	1.23654	0.728111	0.248662	0	royalblue	CSF3R
0	1.235288	0.554147	0.055137	0	royalblue	TREM1
0	1.21422	0.981567	0.818436	0	royalblue	SRGN
0	1.209708	0.50288	0.065156	0	royalblue	ANPEP
0	1.205418	0.572005	0.058068	0	royalblue	NCF2
0	1.187261	0.589862	0.16732	0	royalblue	BCL2A1
0	1.182937	0.698157	0.394411	0	royalblue	NFKBIA
0	1.179126	0.58871	0.095451	0	royalblue	CYBB
0	1.171857	0.718318	0.306594	0	royalblue	FCGRT
0	1.154544	0.492512	0.037076	0	royalblue	TMEM176A
0	1.138847	0.764401	0.418265	0	royalblue	APLP2
0	1.137565	0.987903	0.70213	0	royalblue	FOS
0	1.119331	0.74712	0.447981	0	royalblue	ASAH1
0	1.116868	0.502304	0.06093	0	royalblue	CEBPD
0	1.099707	0.940668	0.799148	0	royalblue	GABARAP
0	1.091936	0.514401	0.106696	0	royalblue	CD36
0	1.089506	0.555876	0.082297	0	royalblue	LILRB2
0	1.08681	0.355415	0.033873	0	royalblue	RETN
0	1.085826	0.660138	0.229443	0	royalblue	NCF1
0	1.072969	0.500576	0.060862	0	royalblue	IGSF6
0	1.066703	0.691244	0.293372	0	royalblue	AGTRAP
0	1.065654	0.84735	0.571205	0	royalblue	ATP6V0B
0	1.055186	0.488479	0.051525	0	royalblue	TNFAIP2
0	1.054438	0.642281	0.232646	0	royalblue	PTPRE
0	1.05438	0.788018	0.465463	0	royalblue	PYCARD
0	1.047497	0.663594	0.350724	0	royalblue	JUND
0	1.046522	0.501728	0.048151	0	royalblue	PILRA
0	1.045603	0.589286	0.215301	0	royalblue	NINJ1

0	1.043221	0.474078	0.059976	0	royalblue	FGL2
0	1.039223	0.436636	0.033703	0	royalblue	CD300E
0	1.031173	0.702189	0.277015	0	royalblue	ANXA2
0	1.016829	0.653802	0.303357	0	royalblue	GNAI2
0	1.013493	0.580645	0.203953	0	royalblue	FMNL1
0	1.01202	0.47235	0.050026	0	royalblue	IFI30
0	1.011876	0.56394	0.112387	0	royalblue	CTSH
0	1.009208	0.440092	0.073164	0	royalblue	SGK1
0	0.996958	0.50576	0.120463	0	royalblue	C19orf38
0	0.992854	0.875576	0.65299	0	royalblue	KLF6
0	0.987557	0.9303	0.719884	0	royalblue	EMP3
0	0.98746	0.550691	0.12946	0	royalblue	TNFRSF1B
0	0.984543	0.734447	0.424774	0	royalblue	VSIR
0	0.981322	0.979263	0.918726	0	royalblue	OAZ1
0	0.979485	0.567972	0.229102	0	royalblue	SPI1
0	0.979085	0.551267	0.144352	0	royalblue	UPP1
0	0.968219	0.665899	0.306969	0	royalblue	ANXA5
0	0.964744	0.989631	0.902402	0	royalblue	VIM
0	0.960025	0.881336	0.625013	0	royalblue	TKT
0	0.947102	0.581797	0.133583	0	royalblue	FGR
0	0.940677	0.438364	0.040007	0	royalblue	LRP1
0	0.938884	0.764977	0.534333	0	royalblue	NPC2
0	0.919259	0.991359	0.967524	0	royalblue	SH3BGRL3
0	0.899251	0.362327	0.055035	0	royalblue	IER3
0	0.894411	0.38076	0.041813	0	royalblue	AC020656.1
0	0.883108	0.415323	0.042903	0	royalblue	SLC7A7
0	0.877915	0.52765	0.201806	0	royalblue	FOSL2
0	0.867867	0.406106	0.058681	0	royalblue	RAB31
0	0.860884	0.455069	0.120225	0	royalblue	PLEC
0	0.83538	0.396889	0.056125	0	royalblue	TGFBI
0	0.83183	0.417051	0.08642	0	royalblue	LILRA2
0	0.828527	0.339862	0.041949	0	royalblue	BASP1
0	0.824272	0.262097	0.032578	0	royalblue	LGALS2
0	0.824145	0.377304	0.062634	0	royalblue	MPEG1
0	0.822074	0.867512	0.60368	0	royalblue	TALDO1
0	0.819248	0.335253	0.029715	0	royalblue	MCEMP1
0	0.811524	0.417627	0.091498	0	royalblue	STX11
0	0.805025	0.982143	0.947282	0	royalblue	ATP5F1E
0	0.797481	0.375576	0.076061	0	royalblue	SLC43A2
0	0.79482	0.334677	0.046447	0	royalblue	DMXL2
0	0.794122	0.870968	0.788209	0	royalblue	ELOB

0	0.790161	0.364631	0.047504	0	royalblue	CXCL16
0	0.790041	0.463134	0.1191	0	royalblue	LY86
0	0.789315	0.351382	0.029102	0	royalblue	SMIM25
0	0.786075	0.321429	0.035781	0	royalblue	TRIB1
0	0.780854	0.315092	0.015846	0	royalblue	CLEC4E
0	0.761534	0.982719	0.951985	0	royalblue	MYL6
0	0.757749	0.335253	0.046856	0	royalblue	ITGAX
0	0.756592	0.360599	0.063793	0	royalblue	MIR22HG
0	0.745618	0.392281	0.088465	0	royalblue	ITGAM
0	0.740325	0.289747	0.059261	0	royalblue	PADI4
0	0.724998	0.363479	0.093133	0	royalblue	GRINA
0	0.718127	0.994816	0.998978	0	royalblue	TMSB10
0	0.71606	0.303571	0.019969	0	royalblue	HK3
0	0.70807	0.288594	0.02992	0	royalblue	STAB1
0	0.691501	0.332373	0.056194	0	royalblue	HCK
0	0.67851	0.331221	0.0748	0	royalblue	CTSZ
0	0.675277	0.993664	0.981462	0	royalblue	SERF2
0	0.67262	0.282258	0.026069	0	royalblue	LILRB3
0	0.668778	0.271889	0.029307	0	royalblue	CKAP4
0	0.663879	0.284562	0.036258	0	royalblue	TMEM170B
0	0.658897	0.934908	0.913103	0	royalblue	ARPC3
0	0.653055	0.256912	0.034997	0	royalblue	CES1
0	0.651718	0.3053	0.063691	0	royalblue	BRI3
0	0.647766	0.260945	0.022218	0	royalblue	OSCAR
0	0.63436	0.25288	0.025626	0	royalblue	LRRK2
0	0.630231	0.292627	0.049105	0	royalblue	CD86
0	0.603521	0.282258	0.036361	0	royalblue	SULF2
0	0.601863	0.259217	0.025967	0	royalblue	QPCT
0	0.597673	0.263825	0.037178	0	royalblue	HMOX1
0	0.590405	0.268433	0.043415	0	royalblue	CLEC4A
0	0.556846	0.261521	0.043278	0	royalblue	LRRC25
0	-0.50403	0.913594	0.987834	0	royalblue	RPL35
0	-0.50564	0.995392	0.999523	0	royalblue	RPL32
0	-0.53546	0.925691	0.99022	0	royalblue	RPL21
0	-0.54014	0.991359	0.999455	0	royalblue	RPL13
0	-0.54227	0.990207	0.999148	0	royalblue	RPL18A
0	-0.56916	0.960253	0.997444	0	royalblue	RPL15
0	-0.60247	0.948157	0.995263	0	royalblue	RACK1
0	-0.60898	0.99712	0.999864	0	royalblue	RPL10
0	-0.61842	0.985023	0.99891	0	royalblue	RPL7A
0	-0.62416	0.993088	0.999148	0	royalblue	RPS15A

0	-0.62595	0.841014	0.973658	0	royalblue	RPL4
0	-0.64386	0.993664	0.999625	0	royalblue	RPS27A
0	-0.67131	0.993088	0.999421	0	royalblue	RPS23
0	-0.69222	0.975806	0.998875	0	royalblue	RPS19
0	-0.69698	0.583525	0.936003	0	royalblue	CIRBP
0	-0.7147	0.99424	0.999693	0	royalblue	RPS12
0	-0.76178	0.959677	0.997751	0	royalblue	RPL14
0	-0.78264	0.949309	0.997581	0	royalblue	RPS25
0	-0.78555	0.885945	0.994445	0	royalblue	RPL23A
0	-0.79067	0.700461	0.927892	0	royalblue	HINT1
0	-0.79214	0.90841	0.995195	0	royalblue	MT-ND4L
0	-0.80674	0.4303	0.833532	0	royalblue	NCL
0	-0.83182	0.8053	0.976214	0	royalblue	EEF2
0	-0.85272	0.987327	0.999489	0	royalblue	RPS3A
0	-0.92051	0.968318	0.998058	0	royalblue	RPS18
0	-0.92259	0.940668	0.995945	0	royalblue	RPL5
0	-0.92356	0.960829	0.997376	0	royalblue	RPLP0
0	-0.93113	0.235599	0.814858	0	royalblue	C12orf57
0	-0.94249	0.156682	0.716749	0	royalblue	6-Sep
0	-0.95222	0.952189	0.997103	0	royalblue	RPS27
0	-0.96237	0.979839	0.99908	0	royalblue	RPS3
0	-0.96359	0.830069	0.987868	0	royalblue	RPL10A
0	-0.98169	0.980415	0.998875	0	royalblue	RPS4X
0	-1.00989	0.995392	0.999864	0	royalblue	EEF1A1
0	-1.02229	0.733871	0.971341	0	royalblue	HNRNPA1
0	-1.02334	0.163018	0.713818	0	royalblue	PEBP1
0	-1.02898	0.927419	0.99741	0	royalblue	RPS6
0	-1.06756	0.414747	0.886454	0	royalblue	HSPA8
0	-1.09015	0.171083	0.711501	0	royalblue	GYPC
0	-1.17165	0.796083	0.976793	0	royalblue	EEF1B2
0	-1.18038	0.826613	0.99022	0	royalblue	RPSA
0	-1.18815	0.849078	0.990629	0	royalblue	RPS5
0	-1.25598	0.895737	0.994241	0	royalblue	RPL3
0	-1.26498	0.507488	0.890373	0	royalblue	HSP90AB1
0	-1.31804	0.047235	0.617448	0	royalblue	EVL
0	-1.33478	0.014401	0.510342	0	royalblue	CD69
0	-1.3793	0.338134	0.83527	0	royalblue	LDHB
0	-1.54835	0.006912	0.596797	0	royalblue	CTSW
0	-1.57833	0.524194	0.942034	0	royalblue	NPM1
0	-1.85465	0.059908	0.603271	0	royalblue	IFITM1
4.11E-306	0.804905	0.604839	0.259499	9.74E-306	royalblue	BLVRB

2.64E-304	0.95478	0.641705	0.34108	6.23E-304	royalblue	CTSB
9.96E-304	-1.27722	0.006336	0.495417	2.34E-303	royalblue	TRBC2
1.94E-301	0.667744	0.293779	0.063793	4.54E-301	royalblue	ASGR1
1.93E-300	-1.73913	0.020161	0.504822	4.48E-300	royalblue	STMN1
1.97E-299	0.581333	0.262673	0.050264	4.56E-299	royalblue	EMILIN2
8.14E-298	0.7556	0.425115	0.128267	1.88E-297	royalblue	JAML
6.34E-295	1.058357	0.702765	0.449514	1.46E-294	royalblue	HIF1A
1.20E-294	-0.73263	0.036866	0.533379	2.75E-294	royalblue	TSTD1
2.86E-293	0.855885	0.737327	0.386199	6.49E-293	royalblue	SLC2A3
3.14E-291	0.799447	0.815668	0.688363	7.11E-291	royalblue	LAMTOR4
1.59E-290	0.994481	0.382488	0.111092	3.58E-290	royalblue	DUSP6
7.91E-290	-0.94877	0.568548	0.926086	1.77E-289	royalblue	SARAF
5.45E-289	-1.05642	0.114055	0.583847	1.22E-288	royalblue	NUCB2
1.30E-284	0.631509	0.291475	0.063759	2.90E-284	royalblue	ODF3B
1.25E-283	0.822906	0.507488	0.195843	2.76E-283	royalblue	THEMIS2
4.52E-283	0.799213	0.410714	0.132322	9.95E-283	royalblue	ZNF385A
8.97E-283	0.842201	0.570853	0.241813	1.97E-282	royalblue	MYO1F
8.56E-280	0.669015	0.895737	0.799284	1.87E-279	royalblue	LSP1
3.96E-279	0.947077	0.551843	0.255546	8.62E-279	royalblue	TNFSF13B
6.59E-277	0.546041	0.285138	0.059976	1.43E-276	royalblue	ALOX5
3.64E-276	0.588621	0.272465	0.058136	7.84E-276	royalblue	RXRA
4.29E-275	0.504392	0.994816	0.993219	9.20E-275	royalblue	MT-ND4
1.53E-273	0.761369	0.361175	0.104277	3.27E-273	royalblue	TLE3
3.76E-272	0.87125	0.721774	0.485977	8.00E-272	royalblue	ARRB2
4.42E-272	-0.76989	0.224078	0.688806	9.38E-272	royalblue	SNHG8
4.62E-271	0.819289	0.474078	0.181837	9.74E-271	royalblue	ZYX
8.35E-271	0.816053	0.743664	0.527517	1.76E-270	royalblue	AP2S1
3.64E-269	0.755368	0.362903	0.100665	7.62E-269	royalblue	CDKN1A
4.83E-262	-0.94005	0.322005	0.741796	1.01E-261	royalblue	CALR
8.13E-260	0.587254	0.259217	0.05558	1.69E-259	royalblue	FCGR2A
1.10E-259	-0.65912	0.245968	0.72687	2.27E-259	royalblue	SOD1
3.94E-259	-1.20841	0.167051	0.620651	8.10E-259	royalblue	HIST1H4C
4.91E-259	-0.66773	0.008065	0.451457	1.01E-258	royalblue	OCIAD2
8.03E-258	0.743508	0.318548	0.08533	1.64E-257	royalblue	NLRP3
2.18E-257	1.001056	0.6947	0.413222	4.44E-257	royalblue	FOSB
1.42E-256	-1.29902	0.236175	0.647913	2.88E-256	royalblue	TUBB
3.25E-255	0.619931	0.263825	0.057591	6.56E-255	royalblue	MS4A7
1.34E-253	-0.7226	0.269585	0.732118	2.70E-253	royalblue	SRSF7
2.34E-253	0.870586	0.669931	0.436429	4.68E-253	royalblue	PGD
7.24E-253	0.919537	0.560484	0.277287	1.44E-252	royalblue	ATP2B1
7.27E-253	0.839007	0.764977	0.647061	1.44E-252	royalblue	ALDOA

2.52E-250	0.68478	0.831797	0.632987	4.99E-250	royalblue	ITGB2
7.49E-250	-0.81311	0.006336	0.43694	1.47E-249	royalblue	RHOH
2.29E-248	-0.70914	0.456221	0.804771	4.49E-248	royalblue	EIF3E
4.08E-248	0.527819	0.972926	0.981053	7.98E-248	royalblue	UBC
1.31E-246	-0.56697	0.5697	0.912114	2.55E-246	royalblue	HNRNPDL
1.63E-246	0.703674	0.816244	0.684205	3.15E-246	royalblue	GNG5
3.75E-246	-1.12811	0.202189	0.628318	7.24E-246	royalblue	CXCR4
1.58E-245	-0.65054	0.266705	0.712251	3.04E-245	royalblue	PTGES3
3.79E-245	0.714868	0.391129	0.128676	7.25E-245	royalblue	EVI2B
1.27E-244	-0.98257	0.088134	0.51266	2.42E-244	royalblue	IMPDH2
2.79E-244	0.854411	0.583525	0.300971	5.30E-244	royalblue	CAPG
2.59E-242	-0.74399	0.005184	0.427364	4.90E-242	royalblue	ITM2A
5.98E-240	-1.87613	0.009793	0.424502	1.13E-239	royalblue	CD3E
1.66E-239	0.767285	0.364055	0.11116	3.11E-239	royalblue	RHOB
4.04E-239	-1.4397	0.016129	0.433191	7.55E-239	royalblue	CD7
5.82E-237	0.723272	0.386521	0.132936	1.09E-236	royalblue	AP1S2
6.62E-234	-0.6751	0.108871	0.562038	1.23E-233	royalblue	ACAP1
5.02E-232	0.549108	0.297235	0.075175	9.29E-232	royalblue	SH3BP5
7.75E-232	0.587092	0.921659	0.726461	1.43E-231	royalblue	GSTP1
1.85E-231	0.873335	0.585253	0.290407	3.39E-231	royalblue	ID2
4.71E-230	0.847167	0.717166	0.471358	8.62E-230	royalblue	GLUL
8.07E-230	-0.88577	0.016129	0.423513	1.47E-229	royalblue	CDK6
1.86E-229	0.777682	0.748848	0.525439	3.38E-229	royalblue	FLNA
6.44E-228	-0.58915	0.13076	0.582109	1.17E-227	royalblue	TECR
6.98E-223	-0.62962	0.081797	0.512626	1.26E-222	royalblue	NOP58
2.44E-222	-0.61742	0.027074	0.435679	4.39E-222	royalblue	ZNF22
3.96E-222	0.841937	0.452189	0.191685	7.09E-222	royalblue	CPVL
3.05E-220	-2.09945	0.019009	0.410019	5.44E-220	royalblue	IL32
6.18E-220	0.701936	0.80818	0.675822	1.10E-219	royalblue	PKM
4.33E-218	-0.61109	0.322005	0.732391	7.68E-218	royalblue	ST13
7.49E-217	0.849062	0.637673	0.42215	1.32E-216	royalblue	RILPL2
1.44E-216	0.782875	0.661866	0.406168	2.53E-216	royalblue	IQGAP1
7.80E-215	-1.58242	0.031682	0.418061	1.37E-214	royalblue	LTB
8.47E-215	-0.70861	0.368088	0.73481	1.48E-214	royalblue	RAN
8.67E-215	-0.6823	0.126728	0.546328	1.51E-214	royalblue	HSPB1
5.99E-213	0.709889	0.345622	0.119169	1.04E-212	royalblue	BST1
2.76E-212	-0.58257	0.388825	0.796524	4.77E-212	royalblue	EIF4B
9.37E-212	-0.60904	0.147465	0.565173	1.61E-211	royalblue	CCT7
2.59E-211	-0.63045	0.065668	0.476231	4.44E-211	royalblue	PARP1
7.14E-210	-0.67517	0.124424	0.534674	1.22E-209	royalblue	CCT2
1.47E-208	-0.58864	0.365207	0.763674	2.52E-208	royalblue	HNRNPA0

2.57E-208	0.653507	0.259217	0.06594	4.37E-208	royalblue	RGCC
2.46E-207	-0.81527	0.16129	0.551951	4.16E-207	royalblue	HSPD1
1.45E-205	-0.58646	0.059908	0.46519	2.44E-205	royalblue	ARHGAP15
1.76E-205	-0.58304	0.285714	0.719918	2.97E-205	royalblue	EIF4A2
9.09E-205	-0.68497	0.209677	0.597649	1.52E-204	royalblue	APEX1
3.16E-204	-0.58735	0.108295	0.516238	5.28E-204	royalblue	CCT3
2.54E-199	0.592381	0.833525	0.767047	4.22E-199	royalblue	SERP1
1.80E-197	0.672382	0.406682	0.161663	2.99E-197	royalblue	SCPEP1
3.03E-197	-0.88013	0.013825	0.380031	5.02E-197	royalblue	ITM2C
9.47E-197	-0.5669	0.099654	0.501005	1.56E-196	royalblue	PRMT1
8.15E-196	-0.58091	0.184908	0.595093	1.34E-195	royalblue	RBMX
1.18E-195	-0.59492	0.198733	0.598296	1.94E-195	royalblue	SRP9
1.21E-195	-0.6275	0.531682	0.875072	1.97E-195	royalblue	RAC2
2.99E-195	-0.53735	0.019585	0.390867	4.87E-195	royalblue	BEX3
1.58E-192	0.706913	0.359447	0.135935	2.57E-192	royalblue	ALDH2
1.63E-190	-0.50753	0.687212	0.92796	2.63E-190	royalblue	HNRNPA2B1
6.89E-190	0.659071	0.845046	0.678037	1.11E-189	royalblue	ANXA1
4.07E-189	0.733292	0.543779	0.285023	6.54E-189	royalblue	TCIRG1
8.70E-189	0.806088	0.553571	0.306696	1.39E-188	royalblue	CARD16
1.30E-187	0.656856	0.28629	0.088635	2.07E-187	royalblue	PPIF
3.21E-187	-0.60696	0.1947	0.595093	5.11E-187	royalblue	NUCKS1
1.12E-186	-1.20036	0.007488	0.355359	1.78E-186	royalblue	PRSS57
4.61E-185	-0.66008	0.005184	0.352701	7.29E-185	royalblue	SLC38A1
6.04E-184	-0.69526	0.084101	0.461067	9.52E-184	royalblue	1-Sep
7.39E-184	-0.65938	0.174539	0.573113	1.16E-183	royalblue	PRDX2
6.22E-183	0.699277	0.387673	0.157028	9.75E-183	royalblue	MYO9B
1.20E-182	-0.55411	0.705069	0.944011	1.87E-182	royalblue	RPS29
1.95E-182	-0.57852	0.138825	0.541796	3.04E-182	royalblue	FOXP1
3.12E-182	-0.57322	0.198733	0.591992	4.84E-182	royalblue	YWHAQ
7.49E-182	-0.51316	0.115207	0.512183	1.16E-181	royalblue	TAF7
4.58E-180	-0.51688	0.072005	0.44563	7.07E-180	royalblue	CCNG1
8.58E-180	-0.60389	0.150922	0.545578	1.32E-179	royalblue	ITGA4
8.86E-180	0.716806	0.414747	0.177884	1.36E-179	royalblue	MIDN
5.09E-179	-0.54885	0.406106	0.786539	7.77E-179	royalblue	PNISR
5.40E-179	-0.52941	0.265553	0.684784	8.23E-179	royalblue	7-Sep
1.65E-176	0.694275	0.428571	0.191344	2.50E-176	royalblue	TOM1
1.65E-176	-1.14348	0.004608	0.338047	2.50E-176	royalblue	CD3D
2.72E-176	-0.52724	0.520737	0.814585	4.11E-176	royalblue	EIF3L
7.93E-176	-0.99848	0.005184	0.33832	1.19E-175	royalblue	LCK
2.05E-175	-0.57971	0.03629	0.38596	3.08E-175	royalblue	CDK4
3.39E-175	-0.69166	0.086406	0.44839	5.07E-175	royalblue	TBC1D10C

4.04E-175	0.62969	0.843894	0.705503	6.03E-175	royalblue	IER2
8.30E-174	-0.58998	0.127304	0.510854	1.23E-173	royalblue	PRMT2
1.26E-173	-0.50736	0.077765	0.451184	1.87E-173	royalblue	BUB3
1.57E-173	-0.81917	0.044355	0.386505	2.31E-173	royalblue	AC084033.3
9.46E-173	-0.67385	0.18606	0.576487	1.39E-172	royalblue	LEPROTL1
3.07E-172	-0.52951	0.308756	0.679025	4.51E-172	royalblue	PHB2
8.72E-171	-0.60947	0.056452	0.409712	1.28E-170	royalblue	CYFIP2
3.38E-170	0.654366	0.746544	0.665599	4.93E-170	royalblue	ATP6V0C
5.39E-170	0.774729	0.437788	0.21404	7.85E-170	royalblue	NUP214
2.36E-169	-0.56006	0.167051	0.539853	3.42E-169	royalblue	RBBP4
1.85E-167	-0.72112	0.198733	0.558085	2.68E-167	royalblue	DUT
2.49E-167	0.670898	0.456221	0.217175	3.60E-167	royalblue	GLIPR2
2.11E-166	-0.66358	0.148041	0.530346	3.03E-166	royalblue	NOSIP
4.21E-166	-0.53671	0.303571	0.666383	6.04E-166	royalblue	HMG1
1.30E-165	-0.9269	0.003456	0.321281	1.86E-165	royalblue	SPOCK2
1.76E-164	0.525494	0.272465	0.084035	2.51E-164	royalblue	HOTAIRM1
1.78E-164	-0.58216	0.047811	0.389095	2.54E-164	royalblue	PBXIP1
3.43E-164	-0.56529	0.582373	0.841404	4.86E-164	royalblue	MIF
6.67E-164	0.672908	0.389401	0.17267	9.43E-164	royalblue	PRAM1
1.11E-163	0.592758	0.305876	0.104617	1.57E-163	royalblue	METRNL
1.71E-163	-0.52934	0.327189	0.677356	2.41E-163	royalblue	SERBP1
5.56E-163	0.619446	0.782834	0.738354	7.80E-163	royalblue	ITM2B
1.60E-162	-1.21872	0.400346	0.677765	2.24E-162	royalblue	TUBA1B
1.58E-161	-0.5066	0.218318	0.586267	2.20E-161	royalblue	CCT4
9.44E-161	0.715406	0.672235	0.441574	1.31E-160	royalblue	AHNAK
1.87E-160	-0.52512	0.204493	0.577407	2.59E-160	royalblue	HSPE1
3.08E-160	-0.6088	0.1803	0.547725	4.26E-160	royalblue	CCND3
2.65E-159	0.702656	0.586982	0.369399	3.66E-159	royalblue	C1orf162
3.07E-159	0.554338	0.794355	0.755393	4.22E-159	royalblue	HIGD2A
3.44E-159	-0.60194	0.009217	0.323462	4.72E-159	royalblue	EGFL7
5.21E-159	0.677804	0.563364	0.351474	7.12E-159	royalblue	RNF130
1.14E-157	0.681519	0.413594	0.19281	1.55E-157	royalblue	UBXN11
1.72E-157	-0.85452	0.004032	0.31116	2.34E-157	royalblue	FCMR
2.69E-157	0.628689	0.383641	0.166672	3.64E-157	royalblue	SAMSN1
2.21E-156	-0.60229	0.09447	0.434486	2.99E-156	royalblue	NASP
2.05E-155	0.546566	0.790323	0.723564	2.77E-155	royalblue	COX8A
1.98E-154	0.717442	0.386521	0.171784	2.66E-154	royalblue	RAB11FIP1
5.12E-154	-0.50224	0.267857	0.626887	6.88E-154	royalblue	FBL
6.29E-154	0.657697	0.368088	0.158392	8.43E-154	royalblue	GNB2
1.02E-153	-1.43625	0.00576	0.306901	1.36E-153	royalblue	IL7R
1.06E-153	-0.57816	0.420507	0.731913	1.41E-153	royalblue	LDHA

1.62E-153	-0.51623	0.221774	0.579008	2.15E-153	royalblue	HNRNPF
1.14E-151	0.550544	0.254032	0.08124	1.51E-151	royalblue	CARS2
1.28E-151	-0.50566	0.103687	0.44839	1.69E-151	royalblue	SPN
3.17E-151	-0.62614	0.002304	0.299267	4.18E-151	royalblue	FAM30A
6.59E-150	0.645284	0.677995	0.537536	8.66E-150	royalblue	PLP2
1.71E-149	0.568014	0.264977	0.09068	2.25E-149	royalblue	CD302
5.97E-149	0.518101	0.309908	0.112523	7.80E-149	royalblue	SH3BP2
2.71E-148	-0.63001	0.00288	0.295621	3.53E-148	royalblue	CD34
1.80E-146	0.785885	0.505184	0.307753	2.34E-146	royalblue	SOD2
1.90E-146	-0.78911	0.00288	0.292145	2.47E-146	royalblue	ZAP70
1.05E-145	-0.57231	0.042051	0.3496	1.36E-145	royalblue	BIN1
1.67E-145	0.555485	0.779954	0.736991	2.15E-145	royalblue	UQCR11
1.12E-144	-0.5937	0.195276	0.551746	1.44E-144	royalblue	RARRES3
1.51E-144	-0.58292	0.029954	0.333549	1.93E-144	royalblue	RNF125
6.51E-144	0.713903	0.505184	0.302777	8.34E-144	royalblue	SAT2
7.64E-144	0.727068	0.516705	0.319748	9.76E-144	royalblue	GRK2
3.31E-141	0.713515	0.525922	0.331027	4.21E-141	royalblue	PTP4A2
3.87E-141	-0.58312	0.038594	0.33999	4.92E-141	royalblue	MCM7
1.92E-140	0.650249	0.346774	0.154132	2.44E-140	royalblue	TNFSF13
5.53E-139	-0.77793	0	0.276367	6.99E-139	royalblue	HOPX
5.12E-138	-0.76432	0.000576	0.275652	6.46E-138	royalblue	SMIM24
7.12E-138	-0.67487	0.22523	0.575464	8.96E-138	royalblue	DNAJB1
1.60E-137	-0.69818	0.004608	0.281274	2.01E-137	royalblue	LBH
2.99E-137	-0.77675	0.024194	0.307207	3.74E-137	royalblue	PIK3IP1
8.16E-136	-0.58925	0.085253	0.394616	1.02E-135	royalblue	P2RY8
8.30E-136	0.535067	0.315092	0.12261	1.03E-135	royalblue	EFHD2
1.96E-135	0.69802	0.512097	0.318589	2.44E-135	royalblue	ARPC1B
4.04E-135	0.70652	0.493664	0.304515	5.00E-135	royalblue	ATP6V0D1
3.11E-134	0.640782	0.362327	0.165139	3.84E-134	royalblue	GPCPD1
7.34E-134	0.637757	0.387673	0.191208	9.05E-134	royalblue	CAPNS1
1.59E-133	0.60926	0.661866	0.516476	1.95E-133	royalblue	CYBA
1.88E-133	0.546317	0.395161	0.176657	2.30E-133	royalblue	GABARAPL1
1.19E-132	0.624715	0.332373	0.145885	1.46E-132	royalblue	PLXDC2
1.52E-132	-1.48547	0.033986	0.312285	1.86E-132	royalblue	CST7
1.76E-132	-0.61215	0.002304	0.270336	2.15E-132	royalblue	ABLIM1
2.74E-132	0.599512	0.717742	0.64931	3.33E-132	royalblue	CD44
1.02E-131	0.598274	0.866935	0.771682	1.23E-131	royalblue	JUN
1.78E-131	-1.40888	0.004032	0.270472	2.16E-131	royalblue	IGLL1
2.46E-131	0.642693	0.614631	0.461782	2.96E-131	royalblue	CD63
4.01E-131	-0.93756	0.001728	0.266144	4.83E-131	royalblue	SPINK2
4.83E-131	-0.89094	0.002304	0.267337	5.79E-131	royalblue	GZMM

2.00E-130	-0.62303	0.012673	0.283081	2.40E-130	royalblue	PRKCH
3.88E-129	-0.79561	0.003456	0.266485	4.63E-129	royalblue	CD3G
3.38E-128	-0.63045	0.803571	0.926972	4.02E-128	royalblue	HMGB1
2.03E-127	0.674182	0.384793	0.198024	2.41E-127	royalblue	MXD1
8.69E-127	-0.61608	0.000576	0.257625	1.03E-126	royalblue	SKAP1
1.58E-126	0.722124	0.440092	0.259772	1.87E-126	royalblue	PLSCR1
2.87E-125	0.562942	0.341014	0.148339	3.38E-125	royalblue	ADA2
4.10E-125	-0.50518	0.319124	0.659499	4.83E-125	royalblue	CNN2
7.68E-125	0.704989	0.402074	0.216255	9.03E-125	royalblue	SLC25A37
1.38E-124	-0.56217	0.096198	0.387425	1.61E-124	royalblue	FABP5
1.27E-123	0.544243	0.256336	0.094156	1.49E-123	royalblue	CBX6
8.03E-123	-0.86246	0.002304	0.253842	9.36E-123	royalblue	CD247
1.41E-122	-0.61535	0.020161	0.281343	1.64E-122	royalblue	LAT
2.27E-122	-0.746	0.574885	0.832987	2.63E-122	royalblue	TSC22D3
1.10E-119	0.658367	0.354839	0.177543	1.27E-119	royalblue	METTL9
2.34E-119	0.518346	0.273618	0.107276	2.70E-119	royalblue	C9orf72
2.13E-116	-0.50916	0.375	0.719339	2.46E-116	royalblue	UCP2
2.40E-115	0.636549	0.633065	0.531539	2.76E-115	royalblue	PGLS
7.16E-115	0.603143	0.65265	0.589981	8.21E-115	royalblue	ATP6V1F
1.10E-114	0.665804	0.371544	0.194514	1.26E-114	royalblue	RAC1
7.16E-114	0.63248	0.31682	0.148816	8.17E-114	royalblue	SULT1A1
7.62E-114	0.58198	0.30818	0.136343	8.68E-114	royalblue	IRS2
8.06E-113	0.516897	0.27765	0.112421	9.16E-113	royalblue	IL17RA
4.03E-112	-0.62928	0.082949	0.34517	4.57E-112	royalblue	ISG20
5.22E-112	0.586529	0.46659	0.278753	5.91E-112	royalblue	CAST
5.79E-112	0.660637	0.400346	0.223309	6.54E-112	royalblue	ZFAND5
2.15E-111	-0.64369	0.025346	0.269825	2.42E-111	royalblue	FLT3LG
3.77E-108	0.519949	0.709677	0.657591	4.24E-108	royalblue	ATP5MPL
9.15E-108	-0.53418	0.194124	0.471562	1.03E-107	royalblue	CAT
3.75E-107	-0.55565	0.018433	0.252718	4.20E-107	royalblue	CDC25B
4.69E-106	0.578437	0.320276	0.153689	5.23E-106	royalblue	LYN
8.58E-106	0.566239	0.645737	0.554234	9.56E-106	royalblue	CNPY3
1.13E-105	0.668342	0.391705	0.225183	1.26E-105	royalblue	AMPD2
4.04E-105	0.528489	0.718894	0.692554	4.48E-105	royalblue	NDUFA1
3.02E-104	0.544362	0.285714	0.125848	3.35E-104	royalblue	MAP2K3
5.90E-96	0.549362	0.654378	0.605486	6.52E-96	royalblue	RHOG
3.53E-95	0.519699	0.304724	0.148714	3.89E-95	royalblue	CHP1
1.25E-94	0.52563	0.27765	0.129324	1.37E-94	royalblue	CD33
1.98E-94	-2.11585	0.087558	0.318283	2.17E-94	royalblue	NKG7
9.51E-94	0.619444	0.565668	0.455989	1.04E-93	royalblue	GRB2
2.77E-92	0.607512	0.343894	0.182859	3.02E-92	royalblue	ANKRD13D

1.45E-91	0.50023	0.270161	0.120327	1.58E-91	royalblue	ARAP1
1.85E-91	0.503269	0.271889	0.12227	2.01E-91	royalblue	PFKFB3
5.69E-91	-0.52756	0.052419	0.282092	6.17E-91	royalblue	CMC1
1.82E-89	0.656839	0.437212	0.289794	1.97E-89	royalblue	IVNS1ABP
1.73E-88	0.596414	0.272465	0.128472	1.86E-88	royalblue	RFLNB
3.24E-88	0.585207	0.326037	0.176146	3.49E-88	royalblue	QSOX1
8.58E-88	0.530608	0.641129	0.580814	9.23E-88	royalblue	LAMTOR1
2.28E-84	0.524563	0.50288	0.336787	2.45E-84	royalblue	PLEK
2.20E-83	0.549038	0.285138	0.144488	2.36E-83	royalblue	CRTAP
2.27E-83	0.528269	0.660714	0.622321	2.43E-83	royalblue	TCF25
1.35E-81	0.534704	0.484447	0.333004	1.44E-81	royalblue	GLIPR1
1.29E-80	-0.57009	0.18318	0.425558	1.37E-80	royalblue	DDIT4
8.51E-80	0.559202	0.583525	0.499642	9.04E-80	royalblue	LRRFIP1
1.71E-79	0.590483	0.527074	0.413904	1.82E-79	royalblue	CD55
3.81E-79	0.508452	0.376152	0.220412	4.02E-79	royalblue	IFNGR1
5.19E-77	0.647634	0.446429	0.322508	5.48E-77	royalblue	CTSA
1.34E-76	0.559416	0.549539	0.43009	1.41E-76	royalblue	MYADM
2.81E-76	-0.56456	0.700461	0.865258	2.96E-76	royalblue	HMG2
5.52E-75	0.568509	0.357143	0.21939	5.79E-75	royalblue	UBR4
2.50E-74	0.58741	0.457949	0.34016	2.61E-74	royalblue	PCBP1
4.56E-74	0.516921	0.285714	0.149225	4.76E-74	royalblue	MAP4K4
1.16E-71	-0.83904	0.131912	0.341898	1.21E-71	royalblue	AREG
8.92E-69	0.529606	0.323733	0.192844	9.28E-69	royalblue	CARD19
1.09E-67	0.541276	0.360023	0.228148	1.14E-67	royalblue	PNPLA2
1.33E-65	0.576995	0.357143	0.236906	1.38E-65	royalblue	TBXAS1
1.41E-64	0.86934	0.273041	0.151303	1.46E-64	royalblue	IL1B
4.65E-64	0.510797	0.325461	0.198671	4.79E-64	royalblue	PRELID1
2.13E-63	0.527507	0.522465	0.436838	2.19E-63	royalblue	RNH1
4.20E-63	-0.58228	0.227535	0.433157	4.31E-63	royalblue	TNFAIP3
1.16E-59	0.653626	0.288594	0.163537	1.19E-59	royalblue	AC020916.1
1.59E-59	0.620798	0.384217	0.267269	1.63E-59	royalblue	NFKBIZ
1.51E-51	0.533635	0.495968	0.43452	1.54E-51	royalblue	GSTO1
4.78E-47	-0.54922	0.464862	0.62365	4.87E-47	royalblue	H2AFZ
5.20E-47	0.518152	0.415323	0.318487	5.29E-47	royalblue	PER1
7.20E-46	0.51985	0.381912	0.289249	7.30E-46	royalblue	POLE4
5.81E-44	0.508348	0.360023	0.269143	5.88E-44	royalblue	SRA1
6.21E-43	0.534252	0.379032	0.296712	6.27E-43	royalblue	CTNNB1
2.18E-41	0.516553	0.427419	0.365071	2.20E-41	royalblue	C20orf27
3.57E-34	0.513768	0.279378	0.200954	3.59E-34	royalblue	GCA
1.11E-31	0.502789	0.41129	0.359891	1.11E-31	royalblue	H2AFJ
1.56E-27	0.571081	0.279954	0.203851	1.56E-27	royalblue	EREG

2.13E-09	-1.09095	0.273618	0.210939	2.13E-09	royalblue	HBB
0	2.087709	0.987138	0.235924	0	black	LYZ
0	1.74077	0.966238	0.396566	0	black	CST3
0	1.702069	0.961415	0.36774	0	black	LGALS1
0	1.126773	0.728296	0.141108	0	black	S100A8
0	1.058361	0.810289	0.135034	0	black	CSTA
0	1.049571	0.631833	0.083128	0	black	MNDA
0	0.910902	0.326367	0.006369	0	black	CLEC10A
0	0.908476	0.493569	0.051906	0	black	AC020656.1
0	0.853644	0.625402	0.074395	0	black	IGSF6
0	0.83892	0.308682	0.01067	0	black	CD1C
0	0.828777	0.453376	0.056568	0	black	NAPSA
0	0.820437	0.77492	0.14357	0	black	S100A9
0	0.789379	0.663987	0.126859	0	black	CTSH
0	0.781603	0.689711	0.127056	0	black	LY86
0	0.712375	0.413183	0.039923	0	black	CES1
0	0.528875	0.461415	0.054565	0	black	CD86
7.42E-300	0.512653	0.472669	0.065465	8.38E-299	black	IFI30
1.08E-299	0.735088	0.792605	0.183952	1.16E-298	black	COTL1
5.92E-298	1.230486	0.601286	0.122066	5.98E-297	black	RNASE2
2.06E-291	1.2452	0.371383	0.045307	1.98E-290	black	RETN
6.18E-291	1.377618	0.836013	0.289832	5.65E-290	black	ANXA2
4.54E-288	0.926222	0.885852	0.244722	3.96E-287	black	FCER1G
8.67E-285	0.861163	0.681672	0.150957	7.24E-284	black	CFP
2.32E-265	0.594284	0.475884	0.075085	1.86E-264	black	FGL2
2.96E-265	0.602983	0.670418	0.139532	2.27E-264	black	TYMP
1.16E-261	0.613147	0.567524	0.110181	8.56E-261	black	RNASE6
6.80E-255	1.080537	0.874598	0.358515	4.84E-254	black	GRN
1.02E-242	0.741094	0.956592	0.31242	7.02E-242	black	TYROBP
1.54E-240	0.748418	0.643087	0.163531	1.02E-239	black	PLD4
5.00E-240	0.583475	0.323151	0.039726	3.20E-239	black	LGALS2
6.80E-233	0.537341	0.456592	0.078007	4.21E-232	black	CEBPD
1.75E-229	1.375075	0.511254	0.114613	1.05E-228	black	FCER1A
5.08E-223	0.728594	1	0.99872	2.96E-222	black	TMSB10
3.72E-219	1.218702	0.948553	0.601005	2.10E-218	black	S100A10
3.07E-216	0.516147	0.498392	0.097278	1.68E-215	black	KLF4
2.22E-214	0.778004	0.889068	0.370071	1.19E-213	black	LST1
1.70E-207	0.823568	0.692926	0.197774	8.84E-207	black	PLAUR
2.74E-207	0.735793	0.881029	0.335927	1.38E-206	black	S100A11
4.34E-204	0.947279	0.776527	0.307364	2.14E-203	black	CAPG
1.48E-201	0.544747	0.525723	0.105322	7.09E-201	black	VCAN

4.93E-199	-0.68689	0.998392	0.999639	2.31E-198	black	EEF1A1
6.64E-198	0.90204	0.990354	0.820381	3.03E-197	black	S100A6
7.30E-197	1.085861	0.773312	0.304442	3.26E-196	black	SAMHD1
4.89E-196	0.582829	0.57074	0.121573	2.13E-195	black	FCN1
7.92E-196	1.616311	0.934084	0.63505	3.38E-195	black	HLA-DRB1
6.59E-193	0.707075	0.707395	0.238649	2.75E-192	black	SPI1
8.45E-188	0.899311	0.770096	0.317968	3.45E-187	black	ANXA5
1.58E-180	0.602099	0.55627	0.156473	6.34E-180	black	PAK1
8.31E-179	0.816616	0.898714	0.532256	3.26E-178	black	AP2S1
1.11E-178	0.875651	0.440514	0.094159	4.25E-178	black	MS4A6A
2.61E-175	0.512992	0.459807	0.102564	9.82E-175	black	STX11
1.06E-174	0.965915	0.980707	0.905775	3.92E-174	black	VIM
4.67E-172	0.84187	0.972669	0.732559	1.69E-171	black	GSTP1
1.96E-170	0.631161	0.998392	0.981812	6.98E-170	black	SERF2
3.63E-170	0.883582	0.985531	0.824321	1.27E-169	black	SRGN
4.92E-170	0.830365	0.983923	0.808201	1.69E-169	black	S100A4
2.41E-169	0.539883	0.524116	0.140188	8.13E-169	black	ZNF385A
2.71E-169	1.233065	0.991961	0.917397	8.97E-169	black	CD74
9.39E-169	1.574156	0.88746	0.575626	3.06E-168	black	HLA-DRB5
1.71E-166	0.578129	0.514469	0.140944	5.46E-166	black	ALDH2
1.61E-164	0.622561	0.525723	0.13707	5.07E-164	black	JAML
1.32E-160	1.5532	0.942122	0.595194	4.10E-160	black	HLA-DRA
5.98E-159	0.620167	0.583601	0.175613	1.82E-158	black	RAB11FIP1
2.27E-158	0.746886	0.826367	0.401392	6.81E-158	black	TIMP1
7.63E-154	0.621254	0.561093	0.176697	2.25E-153	black	GSN
5.47E-153	-0.64788	0.974277	0.989034	1.59E-152	black	RPL3
6.69E-153	0.645898	0.590032	0.186677	1.92E-152	black	HLA-DMB
4.76E-152	0.780252	0.768489	0.360386	1.34E-151	black	C20orf27
9.30E-152	0.596273	0.985531	0.953052	2.59E-151	black	MYL6
1.75E-151	0.818009	0.946945	0.680357	4.80E-151	black	TSPO
4.61E-151	1.58358	0.731511	0.360813	1.25E-150	black	HLA-DQB1
2.41E-148	0.79235	0.863344	0.475721	6.42E-148	black	PYCARD
9.05E-148	0.744033	0.522508	0.147313	2.38E-147	black	GPR183
6.14E-144	0.697059	0.73955	0.321219	1.59E-143	black	FCGRT
3.89E-141	0.546067	0.977492	0.920976	9.95E-141	black	OAZ1
1.79E-139	0.944485	0.559486	0.199022	4.53E-139	black	CPVL
2.83E-139	0.623153	0.938907	0.80436	7.05E-139	black	GABARAP
4.17E-139	0.538496	0.586817	0.185561	1.03E-138	black	STXBP2
7.28E-131	0.700748	0.948553	0.722775	1.77E-130	black	COX8A
1.41E-130	0.596375	0.932476	0.541745	3.37E-130	black	AIF1
4.45E-130	1.042109	0.78135	0.493155	1.05E-129	black	HLA-DMA

2.23E-126	0.511041	0.475884	0.137857	5.23E-126	black	NR4A1
7.39E-126	0.554936	0.672026	0.247021	1.71E-125	black	PTPRE
1.95E-123	-0.71195	0.985531	0.99478	4.47E-123	black	RPS27
3.56E-121	1.460085	0.639871	0.300634	8.03E-121	black	HLA-DQA1
1.06E-119	0.637722	0.720257	0.314817	2.37E-119	black	GNAI2
3.45E-118	0.668385	0.848875	0.517975	7.61E-118	black	CYBA
1.24E-117	1.537151	0.847267	0.64687	2.70E-117	black	HLA-DPA1
1.88E-115	0.717457	0.754019	0.435241	4.06E-115	black	RNH1
2.15E-115	0.6263	0.868167	0.580879	4.59E-115	black	ATP6V0B
1.86E-114	0.624741	0.998392	0.999672	3.93E-114	black	ACTB
1.66E-113	1.44305	0.839228	0.648938	3.46E-113	black	HLA-DPB1
1.81E-109	0.985897	0.300643	0.068978	3.74E-109	black	AZU1
2.88E-108	0.542445	0.638264	0.264618	5.88E-108	black	TNFSF13B
1.07E-107	0.587273	0.827974	0.474999	2.16E-107	black	MCL1
9.36E-107	-0.50403	0.998392	0.997833	1.87E-106	black	RPS4X
9.92E-106	0.502273	0.990354	0.94839	1.96E-105	black	ATP5F1E
5.62E-104	0.578406	0.919614	0.686923	1.10E-103	black	GNG5
2.31E-103	0.59353	0.901929	0.678748	4.47E-103	black	PKM
3.44E-102	0.723686	0.702572	0.374996	6.60E-102	black	C1orf162
6.59E-102	0.613633	0.871383	0.618011	1.25E-101	black	SAT1
3.21E-98	-1.7466	0.165595	0.58124	6.05E-98	black	IFITM1
3.73E-97	0.657694	0.832797	0.604485	6.95E-97	black	DBI
3.01E-95	0.579358	0.914791	0.727897	5.55E-95	black	EMP3
4.08E-95	-0.55882	0.877814	0.968482	7.46E-95	black	EEF2
1.84E-94	0.587285	0.618971	0.295643	3.33E-94	black	CCDC88A
4.98E-91	0.507959	0.673633	0.322368	8.93E-91	black	ARPC1B
6.52E-90	-0.62383	0.998392	0.999212	1.16E-89	black	MALAT1
2.11E-89	-1.15237	0.057878	0.476477	3.71E-89	black	TRBC2
9.04E-89	0.66771	0.890675	0.683214	1.58E-88	black	ANXA1
1.18E-88	0.516774	0.940514	0.856102	2.04E-88	black	TPM3
9.53E-87	-0.86102	0.824759	0.94944	1.63E-86	black	HLA-E
1.50E-86	0.587352	0.471061	0.165764	2.56E-86	black	CFD
1.60E-83	0.557319	0.893891	0.643061	2.70E-83	black	ATP5MF
2.86E-81	0.574701	0.734727	0.428051	4.77E-81	black	RILPL2
7.43E-80	0.828097	0.646302	0.323714	1.23E-79	black	AREG
1.06E-78	0.584935	0.596463	0.309071	1.74E-78	black	BID
5.03E-78	-0.68669	0.868167	0.919728	8.19E-78	black	NPM1
3.39E-77	-0.52565	0.81672	0.918349	5.47E-77	black	CIRBP
8.14E-76	-0.85994	0.172026	0.539184	1.30E-75	black	RARRES3
1.55E-73	-1.73343	0.049839	0.408516	2.45E-73	black	CD3E
4.56E-73	-0.65212	0.57717	0.786697	7.18E-73	black	C12orf57

5.34E-73	-0.68486	0.045016	0.41111	8.34E-73	black	ITM2A
3.63E-72	0.51608	0.823151	0.53137	5.61E-72	black	PGLS
1.31E-69	-0.71134	0.059486	0.420106	2.01E-69	black	RHOH
1.13E-68	-1.9993	0.053055	0.395023	1.72E-68	black	IL32
2.82E-67	-0.58588	0.707395	0.863226	4.27E-67	black	HSPA8
3.11E-66	0.510336	0.78135	0.540563	4.66E-66	black	PLP2
2.11E-64	0.618312	0.442122	0.186743	3.15E-64	black	ANKRD13D
4.76E-64	-0.72328	0.493569	0.685151	7.03E-64	black	GYPC
1.21E-63	-1.33581	0.09164	0.416396	1.78E-63	black	CD7
4.65E-63	-1.01153	0.16881	0.489051	6.76E-63	black	CD69
1.63E-61	-0.76835	0.731511	0.909682	2.35E-61	black	SARAF
4.00E-61	0.500341	0.737942	0.52464	5.73E-61	black	CSTB
1.19E-60	0.544718	0.654341	0.369776	1.69E-60	black	HERPUD1
8.85E-59	0.587698	0.639871	0.367609	1.25E-58	black	MAP3K8
1.14E-57	0.514963	0.847267	0.623297	1.60E-57	black	COX7B
2.63E-56	-0.95487	0.027331	0.325684	3.65E-56	black	LCK
3.61E-56	-1.08058	0.027331	0.325388	4.98E-56	black	CD3D
5.57E-56	-1.10021	0.310289	0.569027	7.63E-56	black	CTSW
2.83E-55	-0.5683	0.786174	0.807939	3.86E-55	black	LDHB
5.22E-55	1.196443	0.435691	0.225155	7.06E-55	black	HLA-DQA2
1.11E-50	0.802809	0.323151	0.123937	1.50E-50	black	MPO
4.03E-50	0.539277	0.636656	0.362717	5.38E-50	black	JUND
9.42E-50	-0.86186	0.03537	0.309006	1.25E-49	black	SPOCK2
3.90E-49	-0.89822	0.382637	0.589744	5.12E-49	black	EVL
1.12E-47	0.588919	0.858521	0.609803	1.46E-47	black	H2AFZ
1.47E-47	-0.74675	0.017685	0.281263	1.90E-47	black	ZAP70
1.95E-46	-0.83837	0.323151	0.560655	2.52E-46	black	DNAJB1
8.70E-46	-0.51684	0.734727	0.858367	1.11E-45	black	RAC2
3.76E-45	0.526953	0.567524	0.325914	4.78E-45	black	GRK2
3.83E-45	-0.55446	0.046624	0.311205	4.84E-45	black	EGFL7
4.56E-45	-0.77369	0.329582	0.559276	5.72E-45	black	LEPROTL1
1.76E-44	-1.33536	0.041801	0.295151	2.20E-44	black	IL7R
3.97E-43	-0.71616	0.019293	0.265866	4.92E-43	black	HOPX
4.94E-43	-0.56678	0.033762	0.284284	6.08E-43	black	CD34
1.17E-42	-0.84651	0.016077	0.257362	1.43E-42	black	GZMM
3.93E-42	-1.27421	0.167203	0.401162	4.78E-42	black	LTB
2.60E-40	-0.70406	0.054662	0.296234	3.14E-40	black	PIK3IP1
5.97E-40	-0.68577	0.05627	0.298861	7.16E-40	black	FCMR
7.30E-40	0.528103	0.364952	0.174004	8.71E-40	black	H1FX
1.51E-39	-0.62645	0.036977	0.271447	1.78E-39	black	LAT
7.14E-39	-0.68132	0.633441	0.790078	8.42E-39	black	CD52

7.42E-39	-0.74994	0.030547	0.256312	8.69E-39	black	CD3G
3.40E-38	-0.59379	0.212219	0.444663	3.96E-38	black	1-Sep
2.63E-36	-0.79779	0.678457	0.795988	3.04E-36	black	TXNIP
5.39E-36	-0.53761	0.996785	0.999737	6.20E-36	black	B2M
1.13E-35	-0.50258	0.141479	0.3747	1.29E-35	black	PBXIP1
2.91E-35	-0.59545	0.051447	0.270199	3.31E-35	black	LBH
7.43E-35	-0.79927	0.041801	0.255655	8.40E-35	black	SPINK2
2.16E-33	-0.60512	0.228296	0.432253	2.43E-33	black	TBC1D10C
5.14E-33	-0.5776	0.065916	0.272103	5.74E-33	black	PRKCH
7.27E-33	-0.50129	0.345659	0.540628	8.07E-33	black	ACAP1
8.95E-33	-0.61386	0.215434	0.404544	9.88E-33	black	CDK6
1.11E-32	-0.54399	0.053055	0.259496	1.22E-32	black	ABLIM1
1.41E-32	-0.64198	0.057878	0.260219	1.53E-32	black	FLT3LG
3.02E-32	-0.55006	0.292605	0.48892	3.27E-32	black	BIN2
2.30E-29	-0.92287	0.257235	0.42503	2.48E-29	black	TNFAIP3
2.53E-28	-0.59408	0.073955	0.264093	2.71E-28	black	SMIM24
3.86E-28	-0.93044	0.064309	0.259496	4.11E-28	black	IGLL1
8.69E-28	-0.50118	0.209003	0.393677	9.22E-28	black	CYFIP2
6.04E-27	-0.52071	0.258842	0.443416	6.37E-27	black	PIK3R1
2.69E-26	-0.55696	0.207395	0.380807	2.83E-26	black	P2RY8
3.07E-26	-0.57807	0.157556	0.334056	3.20E-26	black	ISG20
7.28E-25	-0.5882	0.350482	0.51223	7.56E-25	black	NOSIP
4.62E-24	-0.63211	0.635048	0.779901	4.77E-24	black	JUN
7.43E-23	-0.66923	0.167203	0.339374	7.63E-23	black	PRSS57
2.04E-20	-0.58448	0.755627	0.819856	2.08E-20	black	TSC22D3
6.43E-18	-0.51867	0.678457	0.749401	6.53E-18	black	PTPRC
4.56E-11	-1.32392	0.487138	0.301684	4.61E-11	black	NKG7
0.022167	-0.80856	0.400322	0.294626	0.022283	black	CST7
0	4.601167	1	0.203757	0	purple	HBB
0	3.13059	0.935252	0.058896	0	purple	CA1
0	2.981082	0.997602	0.03359	0	purple	AHSP
0	2.207559	0.98801	0.08479	0	purple	HBD
0	2.128665	1	0.26898	0	purple	BLVRB
0	1.800372	0.995204	0.034144	0	purple	FAM178B
0	1.705627	1	0.058831	0	purple	APOC1
0	1.547588	0.997602	0.039166	0	purple	KCNH2
0	1.477336	0.997602	0.068419	0	purple	KLF1
0	1.406327	1	0.27061	0	purple	SYNGR1
0	1.400413	0.971223	0.069169	0	purple	CA2
0	1.392821	1	0.275894	0	purple	REXO2
0	1.359163	1	0.089356	0	purple	GATA1

0	1.299182	1	0.345617	0	purple	UROD
0	1.245377	0.781775	0.009392	0	purple	HBA1
0	1.226333	0.990408	0.149393	0	purple	HMBS
0	1.163795	0.990408	0.019371	0	purple	PKLR
0	1.159606	1	0.203789	0	purple	NME4
0	1.159356	0.985612	0.070604	0	purple	FN3K
0	1.152697	0.966427	0.048722	0	purple	EPCAM
0	1.145978	0.980815	0.018491	0	purple	RHAG
0	1.13826	0.892086	0.011316	0	purple	NMU
0	1.120595	1	0.178548	0	purple	LMNA
0	1.081356	0.990408	0.176298	0	purple	HEBP1
0	1.050725	0.992806	0.117728	0	purple	CD36
0	1.007185	0.98801	0.211062	0	purple	AKR1C3
0	1.001947	0.980815	0.242662	0	purple	CKS2
0	1.000629	0.992806	0.091834	0	purple	CNRIP1
0	0.981827	0.98801	0.107031	0	purple	FECH
0	0.976242	0.980815	0.109183	0	purple	UBAC1
0	0.974796	0.990408	0.048624	0	purple	ANK1
0	0.973992	0.779376	0.004794	0	purple	ALAS2
0	0.952457	0.985612	0.07243	0	purple	SMIM1
0	0.93103	0.990408	0.196745	0	purple	ALDH1A1
0	0.902101	0.971223	0.09004	0	purple	PVT1
0	0.868276	0.935252	0.037145	0	purple	HBQ1
0	0.863813	0.966427	0.144893	0	purple	SLC29A1
0	0.86188	0.935252	0.072756	0	purple	GFI1B
0	0.851093	0.983213	0.172417	0	purple	LPCAT3
0	0.842562	0.976019	0.068028	0	purple	TFR2
0	0.836004	0.98801	0.15073	0	purple	ENG
0	0.835846	0.952038	0.118836	0	purple	MINPP1
0	0.833599	0.973621	0.229553	0	purple	OAT
0	0.82829	0.769784	0.090334	0	purple	HIST1H1B
0	0.815436	0.901679	0.017415	0	purple	MYL4
0	0.805776	0.964029	0.135729	0	purple	CENPF
0	0.805376	0.976019	0.104455	0	purple	TST
0	0.800551	0.870504	0.079703	0	purple	TUBB2A
0	0.800325	0.966427	0.176167	0	purple	TFRC
0	0.784036	0.983213	0.184549	0	purple	CENPU
0	0.783719	0.781775	0.061342	0	purple	CDC20
0	0.783699	0.964029	0.138729	0	purple	DHFR
0	0.783551	0.992806	0.216541	0	purple	ISOC2
0	0.780173	0.995204	0.244913	0	purple	BOLA3

0	0.768791	0.940048	0.091606	0	purple	CCNB2
0	0.765087	0.968825	0.104716	0	purple	SMIM10
0	0.753462	0.964029	0.097737	0	purple	NFIA
0	0.75316	0.983213	0.180244	0	purple	PCCB
0	0.750836	0.966427	0.17183	0	purple	FEN1
0	0.746693	0.973621	0.191528	0	purple	SNCA
0	0.741162	0.93765	0.188299	0	purple	UNG
0	0.733742	0.959233	0.067082	0	purple	EPOR
0	0.731682	0.822542	0.076376	0	purple	CCNB1
0	0.731317	0.978417	0.193582	0	purple	HNRNPAB
0	0.730673	0.817746	0.01523	0	purple	SELENBP1
0	0.728781	0.983213	0.189897	0	purple	MCM2
0	0.707899	0.942446	0.133903	0	purple	SLC43A3
0	0.706899	0.973621	0.139969	0	purple	HMG5
0	0.698122	0.961631	0.143393	0	purple	GMNN
0	0.683745	0.968825	0.139153	0	purple	SLC38A5
0	0.681361	0.923261	0.021132	0	purple	ADD2
0	0.675105	0.966427	0.186016	0	purple	CENPW
0	0.663213	0.872902	0.02772	0	purple	DNAJA4
0	0.653082	0.973621	0.189082	0	purple	FKBP4
0	0.649902	0.93765	0.135403	0	purple	FADS2
0	0.63684	0.942446	0.113195	0	purple	LXN
0	0.629586	0.954436	0.107031	0	purple	NMNAT3
0	0.6246	0.865707	0.022828	0	purple	SPTA1
0	0.617171	0.604317	0.002348	0	purple	GYPA
0	0.617042	0.956835	0.189212	0	purple	FSCN1
0	0.614876	0.901679	0.091051	0	purple	TUBG1
0	0.611767	0.971223	0.196908	0	purple	DTYMK
0	0.611347	0.966427	0.201311	0	purple	NOP16
0	0.610383	0.918465	0.074909	0	purple	FHL2
0	0.608992	0.81295	0.084399	0	purple	BIRC5
0	0.608984	0.940048	0.103868	0	purple	PYCR1
0	0.600832	0.892086	0.08916	0	purple	UBE2T
0	0.599641	0.942446	0.117206	0	purple	ARV1
0	0.596577	0.961631	0.127739	0	purple	TPM1
0	0.592208	0.918465	0.141371	0	purple	GINS2
0	0.585509	0.877698	0.098356	0	purple	TPX2
0	0.585202	0.892086	0.027296	0	purple	KEL
0	0.584271	0.928058	0.164134	0	purple	MCM4
0	0.569256	0.796163	0.085181	0	purple	TOP2A
0	0.566215	0.582734	0.063788	0	purple	HIST1H3B

0	0.565753	0.911271	0.128196	0	purple	ZWINT
0	0.565497	0.942446	0.124315	0	purple	PLA2G12A
0	0.563269	0.916067	0.125946	0	purple	CENPM
0	0.561178	0.952038	0.177407	0	purple	SMC2
0	0.556145	0.925659	0.127185	0	purple	PCLAF
0	0.55596	0.964029	0.189995	0	purple	AK6
0	0.55499	0.752998	0.059907	0	purple	CCNA2
0	0.553801	0.954436	0.18432	0	purple	MAD2L1
0	0.553376	0.870504	0.032514	0	purple	RFESD
0	0.54861	0.508393	0.005185	0	purple	HBA2
0	0.53878	0.976019	0.198115	0	purple	HBS1L
0	0.537113	0.733813	0.005348	0	purple	EPB42
0	0.536543	0.971223	0.193419	0	purple	MIR4435-2HG
0	0.536004	0.714628	0.088508	0	purple	UBE2C
0	0.531878	0.932854	0.157416	0	purple	RFC4
0	0.524998	0.880096	0.037438	0	purple	MFSD2B
0	0.524393	0.906475	0.149622	0	purple	ALAD
0	0.524381	0.906475	0.143589	0	purple	TRAP1
0	0.522858	0.724221	0.065223	0	purple	CDK1
0	0.521393	0.940048	0.181972	0	purple	ACTL6A
0	0.518579	0.800959	0.09066	0	purple	MKI67
0	0.514077	0.947242	0.185592	0	purple	STK25
0	0.512446	0.841727	0.039721	0	purple	APOBEC3B
0	0.509584	0.834532	0.107064	0	purple	TK1
0	0.50894	0.930456	0.160057	0	purple	SLC1A5
0	0.502416	0.925659	0.144273	0	purple	PRKAB1
0	0.501657	0.925659	0.151024	0	purple	WDR34
0	0.501291	0.923261	0.147469	0	purple	CMBL
4.61E-307	0.697042	0.98801	0.238912	2.30E-306	purple	PSMG1
7.27E-307	0.628862	0.983213	0.21703	3.60E-306	purple	MTHFD1
1.43E-303	0.808027	0.985612	0.227759	7.03E-303	purple	PCNA
4.53E-302	1.433056	1	0.429624	2.21E-301	purple	TMEM14C
9.30E-301	0.673628	0.978417	0.205877	4.50E-300	purple	PLIN2
2.87E-297	1.044702	0.947242	0.210931	1.38E-296	purple	MYC
1.13E-296	0.654742	0.995204	0.239858	5.36E-296	purple	GAR1
8.24E-295	0.901025	0.995204	0.298852	3.90E-294	purple	TPGS2
5.79E-294	2.198922	1	0.544743	2.72E-293	purple	PRDX2
5.28E-293	0.518823	0.954436	0.199322	2.46E-292	purple	PSMD12
7.38E-293	0.502054	0.930456	0.194691	3.41E-292	purple	KEAP1
7.64E-290	0.809507	0.964029	0.216606	3.50E-289	purple	SLC25A37
2.56E-282	0.849334	1	0.293993	1.17E-281	purple	PAICS

3.37E-280	0.659157	0.995204	0.255283	1.52E-279	purple	BLVRA
4.44E-279	0.681316	0.928058	0.205616	1.99E-278	purple	PTTG1
1.13E-276	0.540995	0.973621	0.222998	5.03E-276	purple	MPDU1
1.19E-275	0.509467	0.956835	0.203626	5.27E-275	purple	RRM1
1.11E-274	0.509608	0.935252	0.195637	4.86E-274	purple	NFE2
3.30E-274	0.578279	0.976019	0.227041	1.44E-273	purple	HMGB3
4.80E-274	0.56424	0.961631	0.219736	2.08E-273	purple	MPST
1.12E-273	0.582446	0.968825	0.232879	4.83E-273	purple	ECI2
1.39E-272	0.796464	0.985612	0.255609	5.92E-272	purple	MCM3
3.90E-271	0.518881	0.930456	0.198898	1.65E-270	purple	MCM6
2.96E-267	0.973315	0.997602	0.357846	1.24E-266	purple	CDK4
2.00E-265	0.841396	1	0.279579	8.36E-265	purple	CAST
2.49E-265	0.504739	0.956835	0.218139	1.03E-264	purple	MRT04
1.21E-264	1.412544	1	0.697691	4.97E-264	purple	ATP5IF1
3.23E-263	0.536169	0.973621	0.234738	1.33E-262	purple	MRPL13
7.68E-262	0.542329	0.980815	0.238651	3.13E-261	purple	MRPL27
2.87E-256	0.589927	0.985612	0.252935	1.16E-255	purple	CISD2
3.70E-255	0.552398	0.918465	0.201017	1.49E-254	purple	CKS1B
1.35E-254	-2.90683	0.815348	0.996119	5.41E-254	purple	TMSB4X
3.71E-254	0.722019	0.98801	0.285384	1.47E-253	purple	NARF
4.90E-254	0.694151	0.985612	0.279383	1.93E-253	purple	PSMB5
5.91E-254	0.95765	0.997602	0.313984	2.31E-253	purple	MCM7
1.13E-251	0.881876	0.995204	0.342258	4.40E-251	purple	ATG3
2.64E-251	1.218412	1	0.523741	1.02E-250	purple	HSPD1
7.00E-251	0.533483	0.961631	0.233662	2.69E-250	purple	IARS
1.95E-250	0.53444	0.961631	0.228411	7.45E-250	purple	RIF1
2.24E-248	0.630301	0.985612	0.266208	8.49E-248	purple	UQCC2
4.23E-247	1.082266	1	0.479292	1.60E-246	purple	CCT6A
1.05E-242	0.711868	0.990408	0.292362	3.95E-242	purple	DKC1
6.82E-242	0.748614	0.997602	0.323082	2.54E-241	purple	RUVBL2
1.09E-240	0.761089	0.997602	0.302342	4.02E-240	purple	DNAJC9
1.35E-239	0.624561	0.992806	0.284373	4.98E-239	purple	MTCH2
1.45E-239	0.522352	0.968825	0.243054	5.33E-239	purple	IFRD2
8.48E-239	0.506675	0.973621	0.244293	3.09E-238	purple	FARSA
1.91E-235	0.807614	0.992806	0.292558	6.91E-235	purple	MCM5
1.94E-235	0.588344	0.980815	0.269371	7.00E-235	purple	UROS
2.08E-235	0.963031	1	0.493282	7.43E-235	purple	ATP5MC1
9.25E-234	0.898313	0.997602	0.408133	3.29E-233	purple	FBXO7
1.68E-233	0.7131	0.992806	0.282481	5.94E-233	purple	CYTOR
5.61E-232	1.041553	1	0.710442	1.97E-231	purple	RAN
9.11E-232	0.840354	0.995204	0.339029	3.19E-231	purple	HMGA1

1.45E-231	0.546211	0.983213	0.265914	5.04E-231	purple	PDHA1
7.17E-231	0.551149	0.985612	0.263403	2.48E-230	purple	TMEM141
1.16E-229	0.857578	0.992806	0.373435	3.97E-229	purple	PRDX3
1.55E-229	-2.09197	0.863309	0.970291	5.29E-229	purple	SH3BGRL3
1.85E-229	0.588988	0.98801	0.282481	6.30E-229	purple	MRPS2
3.82E-229	0.576383	0.978417	0.261903	1.29E-228	purple	MGST2
2.46E-228	0.951013	1	0.513599	8.28E-228	purple	TMEM14B
3.15E-228	0.753421	0.992806	0.341834	1.05E-227	purple	MRPL37
5.10E-228	0.527922	0.980815	0.263469	1.70E-227	purple	CHID1
6.15E-227	0.826497	0.997602	0.371413	2.03E-226	purple	METAP2
6.54E-226	0.817342	0.995204	0.376174	2.15E-225	purple	SLIRP
9.46E-226	0.62639	0.992806	0.284927	3.10E-225	purple	SUPT16H
3.50E-225	0.507319	0.966427	0.247358	1.14E-224	purple	SLC39A8
1.54E-224	-2.00582	0.956835	0.986629	5.00E-224	purple	HLA-A
5.64E-222	0.761358	0.980815	0.317245	1.82E-221	purple	SLC25A39
6.56E-222	0.899884	1	0.423265	2.10E-221	purple	MPC2
9.04E-222	-2.02642	0.973621	0.997717	2.88E-221	purple	HLA-B
3.58E-221	0.622031	0.98801	0.295819	1.14E-220	purple	THOC3
8.54E-218	-2.14843	0.613909	0.951474	2.70E-217	purple	HLA-E
9.33E-218	-1.6283	1	0.999674	2.93E-217	purple	B2M
2.78E-217	0.539327	0.978417	0.27498	8.70E-217	purple	SAMM50
1.27E-216	0.939572	1	0.550548	3.94E-216	purple	HSPE1
7.82E-216	0.588268	0.98801	0.295656	2.42E-215	purple	PPA2
9.27E-216	0.507108	0.956835	0.255283	2.86E-215	purple	PSMD1
2.27E-215	-1.35652	0.973621	0.9699	6.95E-215	purple	ARHGDIB
1.23E-214	-2.81287	0.220624	0.916612	3.76E-214	purple	VIM
3.35E-213	-1.91109	0.990408	0.993282	1.02E-212	purple	HLA-C
1.48E-212	1.025321	1	0.659568	4.46E-212	purple	RPL22L1
2.51E-212	0.842648	1	0.706855	7.54E-212	purple	ATP5MC3
3.32E-212	0.578899	0.978417	0.278372	9.92E-212	purple	HADH
4.07E-212	0.718943	0.997602	0.327191	1.21E-211	purple	GLRX
3.75E-211	0.654013	0.992806	0.330257	1.11E-210	purple	TIMM8B
6.51E-211	0.579167	0.978417	0.285514	1.92E-210	purple	PRDX4
1.04E-210	0.752976	1	0.342486	3.05E-210	purple	CD82
2.60E-210	1.288682	1	0.619815	7.59E-210	purple	TUBB
7.48E-209	0.520281	0.978417	0.275861	2.17E-208	purple	EBNA1BP2
1.57E-205	0.648891	1	0.315941	4.55E-205	purple	RPA3
4.42E-203	0.850935	1	0.553809	1.27E-202	purple	PA2G4
6.97E-203	0.799267	1	0.428287	2.00E-202	purple	TIMM13
7.48E-203	0.516885	0.848921	0.205648	2.13E-202	purple	EIF1AY
5.36E-200	0.61577	0.992806	0.323963	1.52E-199	purple	PAFAH1B3

8.55E-200	0.830059	1	0.473519	2.42E-199	purple	NOP10
6.90E-199	0.702184	0.997602	0.35951	1.94E-198	purple	HPRT1
8.23E-199	0.5637	0.990408	0.304396	2.31E-198	purple	LRRC59
1.35E-198	0.605424	1	0.32592	3.76E-198	purple	MPP1
5.78E-198	0.731395	1	0.362771	1.60E-197	purple	RANBP1
9.66E-198	1.028215	0.997602	0.397176	2.67E-197	purple	TUBB4B
1.14E-197	0.753015	1	0.395806	3.15E-197	purple	CCT5
1.59E-196	0.691181	1	0.373793	4.35E-196	purple	STOML2
2.70E-195	0.555972	0.985612	0.306288	7.36E-195	purple	APEH
3.20E-195	0.644962	0.997602	0.351194	8.68E-195	purple	ETFA
3.81E-193	0.62753	0.995204	0.333062	1.03E-192	purple	CENPX
8.50E-193	1.003721	1	0.860455	2.29E-192	purple	HSP90AA1
2.32E-192	0.658014	0.995204	0.335149	6.23E-192	purple	PRKDC
2.84E-192	0.570288	0.992806	0.309549	7.59E-192	purple	ATIC
7.69E-192	0.740506	1	0.423363	2.04E-191	purple	VDAC3
1.58E-191	0.603164	0.995204	0.331888	4.18E-191	purple	MRPL3
1.86E-191	-1.24647	0.973621	0.948539	4.89E-191	purple	FXD5
2.87E-191	-1.46477	1	0.998728	7.53E-191	purple	TMSB10
8.78E-191	0.869754	1	0.918993	2.29E-190	purple	HMGB1
9.14E-191	0.735034	1	0.419319	2.38E-190	purple	MRPS34
1.62E-188	0.650134	0.997602	0.339877	4.19E-188	purple	DNPH1
4.48E-188	0.672091	1	0.391045	1.16E-187	purple	TAF9
1.52E-187	-1.45329	0.992806	0.972672	3.91E-187	purple	ACTG1
7.66E-187	0.571438	0.990408	0.317473	1.96E-186	purple	POLD2
2.08E-186	0.518468	0.985612	0.293178	5.30E-186	purple	NOLC1
2.22E-186	0.800038	1	0.50512	5.63E-186	purple	CCT2
7.15E-186	1.106811	1	0.657677	1.81E-185	purple	TUBA1B
3.87E-185	0.59649	0.995204	0.337921	9.74E-185	purple	PCBP1
5.00E-185	0.795378	1	0.488456	1.25E-184	purple	EIF3A
2.35E-183	0.697916	0.995204	0.368804	5.87E-183	purple	AHCY
3.70E-183	0.719497	1	0.441658	9.19E-183	purple	PHB
4.53E-182	0.976501	1	0.609542	1.12E-181	purple	H2AFZ
1.58E-180	0.618253	0.98801	0.348226	3.90E-180	purple	COPS3
6.71E-179	0.767693	0.992806	0.357879	1.65E-178	purple	TUBA1C
2.98E-176	0.570247	0.978417	0.333942	7.29E-176	purple	ADSL
5.22E-176	0.656735	0.98801	0.351683	1.27E-175	purple	C1QBP
5.74E-176	-1.69955	0.786571	0.908981	1.39E-175	purple	CD37
8.66E-176	0.734737	1	0.653144	2.09E-175	purple	SERBP1
5.87E-175	-1.86583	0.143885	0.829703	1.41E-174	purple	CORO1A
3.81E-174	0.513504	0.985612	0.304559	9.13E-174	purple	SCCPDH
1.29E-173	0.563595	0.995204	0.344541	3.09E-173	purple	SMS

1.33E-173	0.711954	1	0.462888	3.17E-173	purple	SNRPE
1.46E-172	0.821955	1	0.676983	3.47E-172	purple	GYPC
4.09E-172	0.735527	1	0.535514	9.67E-172	purple	SNRPG
4.29E-172	0.567507	0.990408	0.339649	1.01E-171	purple	EIF4EBP1
4.43E-170	0.842903	1	0.609575	1.04E-169	purple	YBX1
6.50E-169	0.566413	0.980815	0.335247	1.52E-168	purple	GADD45GIP1
9.48E-169	0.735418	0.997602	0.358825	2.21E-168	purple	AC084033.3
2.44E-168	0.640855	0.995204	0.403535	5.65E-168	purple	MRPL51
2.75E-168	0.679487	1	0.705061	6.36E-168	purple	NDUFS5
7.56E-167	-0.50195	1	0.999348	1.74E-166	purple	FAU
1.63E-165	0.704245	1	0.54021	3.73E-165	purple	SNRPD1
2.36E-165	0.674486	1	0.688788	5.39E-165	purple	NDUFB9
6.09E-165	0.658551	1	0.47802	1.39E-164	purple	NDUFAB1
7.98E-165	0.689922	1	0.427994	1.81E-164	purple	IDH2
1.12E-164	0.711622	0.997602	0.407579	2.54E-164	purple	NASP
3.02E-163	0.542896	0.995204	0.360031	6.79E-163	purple	C20orf27
3.36E-163	0.690462	1	0.643295	7.55E-163	purple	ATP5MF
5.49E-163	-1.7807	0.194245	0.812973	1.23E-162	purple	LSP1
1.02E-162	0.665392	1	0.457442	2.27E-162	purple	CACYBP
1.41E-162	0.516504	0.992806	0.347541	3.14E-162	purple	BCCIP
5.74E-162	-2.20921	0.105516	0.796211	1.27E-161	purple	CD52
6.05E-161	0.648261	1	0.431385	1.33E-160	purple	NDUFB6
1.44E-160	0.641171	1	0.446224	3.16E-160	purple	NUDC
5.82E-160	0.675981	1	0.631164	1.27E-159	purple	COX5A
3.71E-158	0.513393	0.985612	0.343269	8.08E-158	purple	EIF5B
1.53E-157	0.562216	0.997602	0.369032	3.31E-157	purple	SSRP1
6.01E-157	0.843542	1	0.531731	1.30E-156	purple	DUT
1.26E-156	0.611417	1	0.434483	2.72E-156	purple	MRPL52
8.18E-155	0.595525	0.997602	0.423004	1.76E-154	purple	TXN2
1.41E-154	0.721156	0.997602	0.448702	3.03E-154	purple	CAT
2.86E-154	0.678888	0.997602	0.512099	6.09E-154	purple	SSB
6.06E-154	0.704497	1	0.586225	1.29E-153	purple	BSG
2.92E-151	0.730098	1	0.65122	6.18E-151	purple	EIF5A
6.79E-151	-1.73371	0.153477	0.782285	1.44E-150	purple	IFITM2
7.93E-150	0.630597	1	0.61988	1.67E-149	purple	UQCRQ
1.06E-149	0.504	0.992806	0.366521	2.22E-149	purple	POLR2F
2.13E-149	-2.08117	0.366906	0.824713	4.45E-149	purple	TSC22D3
5.09E-149	0.696578	1	0.80844	1.06E-148	purple	NCL
4.08E-148	0.691253	1	0.538906	8.46E-148	purple	ILF2
4.84E-148	0.67537	1	0.553059	1.00E-147	purple	HNRNPF
5.87E-148	-0.53455	1	0.999543	1.21E-147	purple	RPL30

2.70E-146	0.613311	1	0.69593	5.55E-146	purple	SOD1
2.01E-145	0.701756	1	0.47065	4.13E-145	purple	STMN1
2.13E-145	0.607534	1	0.489434	4.35E-145	purple	NDUFV2
2.65E-145	0.508126	0.985612	0.364108	5.39E-145	purple	DECR1
7.98E-144	0.650232	1	0.821387	1.62E-143	purple	S100A6
9.18E-144	1.352143	0.992806	0.58991	1.85E-143	purple	HIST1H4C
9.18E-144	-0.97122	1	0.992467	1.85E-143	purple	H3F3B
1.02E-143	0.628399	1	0.683114	2.05E-143	purple	PTGES3
1.33E-143	-0.51996	1	0.999185	2.66E-143	purple	RPL39
1.51E-143	-0.63395	1	0.998956	3.02E-143	purple	TPT1
5.74E-143	0.537286	0.997602	0.374837	1.14E-142	purple	HDAC2
6.02E-143	0.617333	0.997602	0.484999	1.19E-142	purple	SRI
8.20E-143	0.539635	0.990408	0.377968	1.62E-142	purple	AK2
1.26E-142	-2.71418	0.889688	0.919286	2.49E-142	purple	CD74
3.77E-142	0.552145	0.992806	0.408622	7.40E-142	purple	TOMM5
1.14E-141	0.560725	0.863309	0.260534	2.24E-141	purple	HIST1H1D
2.16E-141	-0.8022	1	0.996837	4.21E-141	purple	EIF1
1.09E-139	0.502996	0.995204	0.385207	2.12E-139	purple	MRPS15
8.41E-139	0.61963	0.997602	0.486597	1.63E-138	purple	CCT3
2.16E-138	0.569021	0.995204	0.415243	4.17E-138	purple	TCP1
1.30E-137	0.660329	1	0.917591	2.51E-137	purple	NPM1
1.74E-137	0.569622	0.997602	0.459464	3.34E-137	purple	NDUFC1
2.89E-136	0.509009	0.985612	0.387034	5.53E-136	purple	PSMC3
5.43E-136	0.671143	1	0.581953	1.04E-135	purple	TXN
2.17E-134	0.593334	0.997602	0.498793	4.12E-134	purple	RBX1
4.18E-134	0.587734	0.997602	0.635697	7.94E-134	purple	TUFM
5.57E-134	0.593243	1	0.626207	1.05E-133	purple	ERH
1.44E-132	-0.87957	0.990408	0.904513	2.71E-132	purple	COMMD6
1.45E-132	0.625601	1	0.695734	2.73E-132	purple	ATP5F1B
4.42E-129	0.50879	0.992806	0.414525	8.29E-129	purple	PSMD6
6.08E-129	-1.00992	1	0.999185	1.14E-128	purple	MALAT1
1.15E-128	-1.05782	0.961631	0.867728	2.15E-128	purple	ARPC2
6.50E-128	0.529581	1	0.434027	1.21E-127	purple	RNH1
8.44E-127	-1.42025	0.064748	0.691625	1.56E-126	purple	PKM
1.85E-125	0.523372	1	0.471204	3.41E-125	purple	NDUFA6
2.69E-124	-1.14009	0.983213	0.926004	4.95E-124	purple	LAPTM5
3.82E-124	0.505716	0.98801	0.416091	7.01E-124	purple	TXNL1
3.63E-123	0.581293	1	0.45467	6.64E-123	purple	YWHAE
5.54E-123	-1.32099	0.42446	0.777818	1.01E-122	purple	GP3M3
8.71E-123	0.537362	1	0.688951	1.59E-122	purple	SELENOH
1.42E-122	0.572727	1	0.652328	2.58E-122	purple	ATP5F1A

2.51E-122	0.50211	0.992806	0.417167	4.53E-122	purple	ESD
4.52E-122	0.554822	1	0.653698	8.15E-122	purple	PHB2
2.89E-121	0.566926	0.997602	0.53959	5.21E-121	purple	P4HB
3.46E-121	0.524674	1	0.497522	6.21E-121	purple	UQCRC1
4.19E-121	0.555596	1	0.60227	7.50E-121	purple	SNRPB
2.37E-120	-1.05291	0.83693	0.841378	4.23E-120	purple	GMFG
7.10E-120	0.502809	0.992806	0.435494	1.26E-119	purple	PSMB2
1.14E-119	0.536789	1	0.536721	2.02E-119	purple	SNRPC
1.16E-119	0.577973	0.992806	0.457246	2.06E-119	purple	DYNLL1
2.46E-117	-0.92215	1	0.980335	4.34E-117	purple	UBC
4.88E-117	0.517446	1	0.781829	8.59E-117	purple	UQCRH
6.78E-117	-1.55556	0.352518	0.753359	1.19E-116	purple	PTPRC
4.97E-116	0.643114	1	0.677863	8.69E-116	purple	HMGB2
3.27E-115	0.54951	1	0.528568	5.69E-115	purple	CCT8
4.47E-115	0.553662	0.995204	0.543863	7.77E-115	purple	NHP2
6.71E-115	-1.21257	0.757794	0.840073	1.16E-114	purple	LIMD2
7.24E-115	0.538013	0.997602	0.479096	1.25E-114	purple	PPA1
1.34E-114	-1.19454	0.997602	0.904872	2.32E-114	purple	SARAF
3.30E-114	-1.63765	0.081535	0.665373	5.68E-114	purple	HCST
9.02E-114	0.517065	1	0.561179	1.55E-113	purple	POMP
2.59E-113	0.522942	1	0.481607	4.42E-113	purple	NOP58
2.73E-110	0.51509	0.997602	0.525502	4.65E-110	purple	RAD23A
8.17E-109	0.601911	0.997602	0.482031	1.39E-108	purple	IMPDH2
4.13E-108	-2.07956	0.294964	0.713899	7.00E-108	purple	ZFP36
7.40E-107	-0.56352	1	0.98914	1.25E-106	purple	EEF1D
1.59E-106	0.512691	1	0.528437	2.69E-106	purple	BANF1
1.96E-106	0.606363	1	0.867206	3.30E-106	purple	HSP90AB1
8.29E-102	0.517483	1	0.678744	1.39E-101	purple	PEBP1
4.22E-101	0.508088	1	0.601487	7.06E-101	purple	FBL
1.17E-100	0.549266	1	0.736434	1.95E-100	purple	TPI1
3.49E-100	-1.64	0.06235	0.61189	5.80E-100	purple	CXCR4
5.01E-100	0.702428	1	0.858205	8.31E-100	purple	HSPA8
3.32E-99	0.504282	1	0.51249	5.49E-99	purple	RBBP4
2.08E-97	-1.15238	0.110312	0.623206	3.43E-97	purple	PSMB9
7.81E-97	-0.55176	1	0.981574	1.29E-96	purple	PFDN5
7.89E-94	-0.94154	0.959233	0.854487	1.29E-93	purple	RAC2
3.73E-93	-2.01756	0.551559	0.780068	6.10E-93	purple	JUN
6.31E-92	-1.01873	0.98801	0.893067	1.03E-91	purple	MYL12A
6.84E-91	-1.49912	0.230216	0.64972	1.11E-90	purple	ITGB2
9.85E-91	-1.38554	0.064748	0.580127	1.60E-90	purple	SELL
1.46E-85	-1.54256	0.959233	0.825757	2.36E-85	purple	SRGN

7.47E-85	0.607333	1	0.824583	1.21E-84	purple	MIF
1.42E-74	-2.11218	0.7506	0.771524	2.29E-74	purple	JUNB
7.37E-74	-1.19827	0.071942	0.526024	1.19E-73	purple	LITAF
4.15E-73	-0.64414	0.997602	0.902655	6.65E-73	purple	DAZAP2
9.38E-73	-1.078	0.685851	0.729324	1.50E-72	purple	LCP1
1.30E-72	-2.03107	0.17506	0.578333	2.08E-72	purple	IFITM1
2.17E-72	-0.97459	0.047962	0.503685	3.46E-72	purple	ANXA6
1.15E-71	-1.02459	0.458034	0.666612	1.83E-71	purple	ICAM3
1.82E-71	-1.56673	0.148681	0.555016	2.88E-71	purple	AIF1
3.60E-70	-1.32036	0.035971	0.488716	5.68E-70	purple	CD69
4.65E-69	-0.59834	0.980815	0.400176	7.32E-69	purple	CST3
9.46E-69	-0.53594	1	0.913547	1.49E-68	purple	CCNI
2.20E-67	-1.65061	0.46283	0.655329	3.45E-67	purple	HLA-DPB1
2.93E-66	-1.31834	0.270983	0.589877	4.58E-66	purple	EVL
5.49E-65	-0.84142	0.146283	0.529383	8.56E-65	purple	CELF2
1.95E-64	-1.23931	0.052758	0.473748	3.03E-64	purple	TRBC2
5.41E-61	-0.54379	1	0.915177	8.40E-61	purple	CIRBP
6.86E-61	-1.05449	0.045564	0.453072	1.06E-60	purple	CD48
7.91E-60	-0.5351	1	0.913155	1.22E-59	purple	ARPC3
8.74E-60	-1.2421	0.127098	0.5015	1.35E-59	purple	FYB1
9.68E-60	-0.93931	0.647482	0.685984	1.49E-59	purple	6-Sep
1.29E-58	-0.8464	0.261391	0.563136	1.98E-58	purple	WAS
2.06E-57	-1.45231	0.549161	0.667004	3.14E-57	purple	KLF6
2.11E-55	-0.86485	0.033573	0.420428	3.21E-55	purple	CYTIP
5.40E-55	-0.51802	0.992806	0.827452	8.21E-55	purple	ATP6V1G1
1.00E-54	-1.03922	0.352518	0.58466	1.52E-54	purple	9-Sep
7.10E-54	-0.57535	1	0.994521	1.07E-53	purple	RPS27
5.00E-53	-1.09708	0.242206	0.531829	7.55E-53	purple	BTG1
1.59E-52	-1.5742	0.582734	0.651807	2.40E-52	purple	HLA-DPA1
3.86E-52	-1.85995	0.53717	0.642447	5.81E-52	purple	HLA-DRB1
9.31E-52	-1.01239	0.261391	0.535514	1.40E-51	purple	RARRES3
1.16E-51	-0.73135	0.995204	0.779872	1.74E-51	purple	ZFAS1
1.71E-51	-1.12787	0.115108	0.459073	2.55E-51	purple	AHNAK
5.86E-51	-0.94292	0.251799	0.528307	8.72E-51	purple	CYBA
1.10E-50	-1.08075	0.052758	0.410612	1.63E-50	purple	SLC2A3
1.23E-50	-0.72309	0.100719	0.446419	1.83E-50	purple	RASGRP2
1.31E-50	-0.93927	0.086331	0.433896	1.94E-50	purple	HLA-F
2.02E-50	-1.81586	0.047962	0.406144	2.97E-50	purple	CD3E
2.17E-50	-0.86276	0.779376	0.710181	3.20E-50	purple	HCLS1
4.58E-50	-1.61541	0.043165	0.401285	6.72E-50	purple	LTB
4.64E-50	-1.26992	0.7506	0.712725	6.79E-50	purple	IER2

1.03E-49	-1.74532	0.453237	0.610064	1.51E-49	purple	S100A10
2.48E-49	-0.73109	0.968825	0.77997	3.61E-49	purple	C12orf57
2.52E-49	-0.57968	0.997602	0.876565	3.66E-49	purple	YWHAZ
4.30E-49	-0.77229	0.031175	0.386316	6.24E-49	purple	C1orf162
6.99E-49	-1.70846	0.640288	0.719149	1.01E-48	purple	FOS
6.55E-48	-1.02534	0.035971	0.385142	9.45E-48	purple	LST1
7.24E-48	-0.73	0.040767	0.38736	1.04E-47	purple	PPP1R18
1.35E-47	-1.00259	0.184652	0.487966	1.94E-47	purple	IFITM3
1.65E-47	-1.18097	0.155875	0.468986	2.36E-47	purple	CTSS
3.13E-47	-1.65374	0.038369	0.384262	4.48E-47	purple	LGALS1
4.81E-47	-0.5005	1	0.947071	6.86E-47	purple	DDX5
8.74E-46	-1.10391	0.035971	0.37275	1.24E-45	purple	HLA-DQB1
1.80E-45	-2.06893	0.06235	0.39261	2.55E-45	purple	IL32
5.48E-45	-0.72763	0.021583	0.355531	7.77E-45	purple	IL16
6.67E-45	-0.80721	0.508393	0.607781	9.42E-45	purple	PSMB8
9.82E-45	-0.64365	0.026379	0.358401	1.39E-44	purple	SORL1
1.66E-44	-1.27782	0.115108	0.425841	2.34E-44	purple	TNFAIP3
4.79E-44	-0.7264	0.074341	0.394273	6.72E-44	purple	CYFIP2
1.40E-43	-0.58964	0.047962	0.372	1.97E-43	purple	PARVG
1.46E-43	-0.74156	0.071942	0.391371	2.03E-43	purple	TPM4
1.73E-43	-0.84679	0.311751	0.533981	2.41E-43	purple	CD53
9.83E-43	-1.10892	0.143885	0.436212	1.37E-42	purple	GADD45B
1.15E-42	-0.67631	0.98801	0.804592	1.60E-42	purple	GABARAP
4.14E-42	-0.68212	0.045564	0.362216	5.74E-42	purple	MYO1G
4.60E-42	-0.79324	0.033573	0.350313	6.35E-42	purple	PLEK
2.25E-41	-0.67166	0.021583	0.335507	3.11E-41	purple	LAT2
5.11E-41	-0.64839	0.023981	0.336616	7.03E-41	purple	BIN1
9.80E-41	-0.85524	0.153477	0.431907	1.34E-40	purple	TBC1D10C
2.17E-40	-0.68011	0.038369	0.345584	2.97E-40	purple	GLIPR1
3.51E-39	-0.64471	0.019185	0.3208	4.80E-39	purple	CAPG
4.74E-39	-1.52743	0.477218	0.58329	6.46E-39	purple	HLA-DRB5
1.01E-38	-0.55532	1	0.793341	1.37E-38	purple	CLIC1
9.66E-38	-2.19381	0.568345	0.602596	1.31E-37	purple	HLA-DRA
1.03E-37	-0.63209	0.016787	0.310168	1.39E-37	purple	PDE4B
1.45E-37	-1.03868	0.151079	0.415569	1.96E-37	purple	DDIT4
2.18E-37	-1.94752	0.035971	0.329246	2.94E-37	purple	TYROBP
3.18E-37	-0.77026	0.103118	0.381066	4.27E-37	purple	P2RY8
4.08E-37	-0.889	0.431655	0.556222	5.48E-37	purple	STK17B
5.82E-37	-0.82321	0.645084	0.250294	7.80E-37	purple	IGLL1
6.28E-37	-0.82569	0.047962	0.334366	8.40E-37	purple	ISG20
9.87E-37	-0.82022	0.021583	0.308766	1.32E-36	purple	ARL4C

3.53E-36	-0.53349	0.023981	0.308016	4.70E-36	purple	PECAM1
3.86E-36	-0.96857	0.040767	0.323506	5.13E-36	purple	LCK
4.04E-36	-1.11052	0.040767	0.323213	5.36E-36	purple	CD3D
4.20E-36	-0.84988	0.28777	0.48614	5.55E-36	purple	PYCARD
6.77E-36	-1.40011	0.052758	0.333942	8.94E-36	purple	AREG
9.68E-36	-0.60576	0.038369	0.319039	1.27E-35	purple	TRIM22
9.90E-36	-0.84177	0.016787	0.297776	1.30E-35	purple	FCMR
1.56E-35	-1.02836	0.71223	0.687027	2.05E-35	purple	ANXA1
1.69E-35	-0.61436	0.057554	0.335247	2.21E-35	purple	SASH3
1.85E-35	-0.61088	0.059952	0.337692	2.42E-35	purple	ARHGAP30
2.04E-35	-0.67241	0.059952	0.337138	2.66E-35	purple	RCSD1
2.31E-35	-0.62927	0.095923	0.365869	3.00E-35	purple	VAMP5
5.71E-35	-2.25261	0.028777	0.309157	7.41E-35	purple	NKG7
1.15E-34	-0.52496	0.057554	0.330029	1.49E-34	purple	FLI1
1.63E-34	-0.50567	0.045564	0.319691	2.10E-34	purple	ARMH1
1.76E-34	-0.50147	0.045564	0.31943	2.27E-34	purple	FNBP1
4.64E-34	-0.89188	0.035971	0.307168	5.98E-34	purple	SPOCK2
8.45E-34	-1.30889	0.083933	0.350411	1.09E-33	purple	S100A11
1.12E-33	-0.8731	0.338129	0.499772	1.43E-33	purple	PLAC8
1.81E-33	-0.73968	0.213429	0.433049	2.31E-33	purple	IDS
2.16E-33	-0.67007	0.01199	0.279024	2.76E-33	purple	CSF3R
4.63E-33	-0.78012	0.151079	0.394045	5.90E-33	purple	TRAF3IP3
9.20E-33	-0.75066	0.673861	0.650241	1.17E-32	purple	LY6E
2.27E-32	-0.73929	0.004796	0.263762	2.88E-32	purple	SMIM24
2.34E-32	-0.76602	0.019185	0.279481	2.96E-32	purple	ZAP70
4.34E-32	-0.68923	0.194245	0.417786	5.49E-32	purple	CLEC2B
1.32E-31	-0.7495	0.009592	0.264349	1.67E-31	purple	HOPX
4.16E-31	-0.89663	0.206235	0.42333	5.24E-31	purple	BTG2
7.53E-31	-0.84731	0.254197	0.444626	9.45E-31	purple	VSIR
1.04E-30	-0.76112	0.014388	0.263762	1.30E-30	purple	ALOX5AP
1.46E-30	-0.90941	0.007194	0.254696	1.82E-30	purple	SPINK2
1.58E-30	-0.96127	0.779376	0.639969	1.97E-30	purple	TUBA1A
1.63E-30	-0.83348	0.254197	0.442538	2.03E-30	purple	1-Sep
2.51E-30	-0.72972	0.026379	0.27472	3.12E-30	purple	IL10RA
3.70E-30	-0.66507	0.17506	0.396556	4.60E-30	purple	ARHGAP45
1.17E-29	-1.37002	0.047962	0.293373	1.45E-29	purple	IL7R
3.23E-29	-0.8803	0.069544	0.310657	3.99E-29	purple	HLA-DQA1
4.92E-29	-0.86201	0.016787	0.25574	6.07E-29	purple	GZMM
5.03E-29	-0.65322	0.045564	0.285742	6.19E-29	purple	CRIP1
2.14E-28	-0.65286	0.916067	0.738456	2.63E-28	purple	ITM2B
3.74E-28	-0.59705	0.028777	0.263338	4.59E-28	purple	MYO1F

4.99E-28	-0.54826	0.160671	0.373859	6.11E-28	purple	KCNAB2
5.81E-28	-0.76457	0.729017	0.628033	7.09E-28	purple	RNASSET2
9.14E-28	-0.77666	0.023981	0.254892	1.11E-27	purple	CD3G
1.23E-27	-0.67599	0.227818	0.414949	1.50E-27	purple	ARHGAP9
1.26E-27	-1.28916	0.028777	0.260664	1.53E-27	purple	FCER1G
8.64E-27	-0.73406	0.167866	0.372065	1.05E-26	purple	RNF213
1.07E-26	-0.95056	0.153477	0.362379	1.30E-26	purple	NR4A2
1.24E-26	-0.74557	0.038369	0.262914	1.50E-26	purple	KLF2
1.69E-26	-0.93302	0.477218	0.527883	2.03E-26	purple	CCND3
1.96E-26	-0.81161	0.033573	0.25649	2.36E-26	purple	NCF1
4.01E-26	-0.8259	0.100719	0.316723	4.81E-26	purple	SAMHD1
1.55E-25	-0.55721	0.06235	0.280296	1.86E-25	purple	ANKRD44
2.88E-25	-0.67453	0.261391	0.422319	3.44E-25	purple	AKAP13
6.79E-25	-0.63013	0.057554	0.270839	8.09E-25	purple	PRKCH
1.18E-24	-0.59366	0.045564	0.258381	1.41E-24	purple	PTPRE
3.17E-24	-1.06574	0.968825	0.791254	3.76E-24	purple	TXNIP
4.66E-24	-0.58817	0.182254	0.36626	5.53E-24	purple	SYTL1
5.26E-24	-0.78795	0.088729	0.294156	6.23E-24	purple	PIK3IP1
6.01E-24	-0.51596	0.076739	0.283199	7.10E-24	purple	PRKCB
1.33E-23	-0.79921	0.561151	0.547548	1.56E-23	purple	STK4
3.06E-23	-0.77493	0.786571	0.638501	3.60E-23	purple	CNN2
1.02E-22	-0.60009	0.103118	0.298656	1.20E-22	purple	AKNA
1.62E-22	-1.11394	0.796163	0.607292	1.90E-22	purple	SERPINB1
2.53E-22	-0.72457	0.848921	0.65047	2.96E-22	purple	CD44
8.27E-22	-0.5752	0.088729	0.281861	9.66E-22	purple	CD34
2.56E-21	-0.72081	0.42446	0.48689	2.98E-21	purple	WIPF1
3.08E-21	-0.61547	0.992806	0.883838	3.58E-21	purple	CALM1
4.32E-21	-1.32953	0.280576	0.411655	5.01E-21	purple	CD7
1.17E-20	-0.73446	0.568345	0.536297	1.35E-20	purple	ACAP1
2.49E-20	-0.76383	0.441247	0.485586	2.89E-20	purple	BIN2
3.76E-19	-0.50905	0.079137	0.253816	4.34E-19	purple	PDE4D
7.64E-19	-0.56699	0.251799	0.379207	8.81E-19	purple	RABAC1
1.47E-18	-0.52874	0.976019	0.723226	1.70E-18	purple	ENO1
3.34E-18	-0.599	0.115108	0.279807	3.84E-18	purple	MGAT4A
5.17E-18	-0.65514	0.422062	0.468465	5.93E-18	purple	PTPN6
8.10E-18	-0.56738	0.860911	0.652068	9.27E-18	purple	MSN
1.62E-17	-0.52517	0.208633	0.3464	1.85E-17	purple	HSH2D
1.73E-17	-0.7325	0.330935	0.417428	1.98E-17	purple	RIPOR2
6.39E-17	-0.5348	0.997602	0.807657	7.27E-17	purple	CD99
9.89E-17	-0.79802	0.242206	0.361173	1.12E-16	purple	ITM2C
1.34E-16	-0.57987	0.196643	0.332246	1.51E-16	purple	TMEM243

1.41E-16	-0.73576	0.517986	0.498891	1.60E-16	purple	ARRB2
1.64E-16	-0.75979	0.64988	0.550678	1.85E-16	purple	ARHGEF1
2.52E-16	-0.59225	0.179856	0.318452	2.84E-16	purple	RNF125
2.65E-16	-1.48588	0.151079	0.298722	2.98E-16	purple	CST7
2.80E-16	-0.62059	0.848921	0.627902	3.15E-16	purple	CAP1
1.84E-15	-0.51209	0.980815	0.66446	2.07E-15	purple	VAMP8
1.91E-15	-0.66396	0.11271	0.25812	2.13E-15	purple	FLT3LG
2.46E-15	-2.45324	0.103118	0.252968	2.75E-15	purple	LYZ
2.56E-15	-0.56951	0.11271	0.257305	2.86E-15	purple	ABLIM1
1.27E-14	-0.60303	0.628297	0.53721	1.41E-14	purple	TMEM123
1.46E-14	-0.73677	0.41247	0.440093	1.62E-14	purple	PIK3R1
1.54E-14	-0.60925	0.280576	0.37125	1.71E-14	purple	PBXIP1
1.74E-14	-0.57355	0.290168	0.376728	1.93E-14	purple	DDAH2
3.37E-14	-0.87046	0.676259	0.553026	3.73E-14	purple	LEPROTL1
1.29E-13	-0.74795	0.690647	0.555309	1.43E-13	purple	YPEL5
2.89E-13	-0.61729	0.839329	0.605922	3.18E-13	purple	DBI
4.26E-13	-0.50669	0.376499	0.415112	4.69E-13	purple	TWF2
4.43E-13	-0.61531	0.191847	0.304037	4.86E-13	purple	TAGAP
5.96E-13	-0.79273	0.419664	0.444919	6.53E-13	purple	IRF1
6.59E-13	-0.54302	0.906475	0.649198	7.21E-13	purple	KMT2E
7.35E-13	-0.69193	0.815348	0.611825	8.02E-13	purple	MYH9
1.00E-12	-0.58453	0.839329	0.617043	1.09E-12	purple	TAPBP
1.10E-12	-0.58802	0.357314	0.406829	1.20E-12	purple	LCP2
1.50E-12	-0.51389	0.925659	0.641762	1.63E-12	purple	ARHGDI1
3.36E-12	-0.58744	0.781775	0.582051	3.64E-12	purple	ARPC5
3.89E-11	-0.64149	0.390887	0.413188	4.21E-11	purple	RHOH
4.22E-11	-0.53354	0.244604	0.325365	4.56E-11	purple	RHOF
6.05E-11	-0.57758	0.580336	0.497913	6.53E-11	purple	ARHGAP4
1.03E-10	-0.85717	0.601918	0.497522	1.11E-10	purple	HLA-DMA
5.55E-10	-0.99242	0.707434	0.561897	5.97E-10	purple	CTSW
9.16E-10	-0.60275	0.436451	0.424406	9.82E-10	purple	VAMP2
9.75E-10	-0.75429	0.223022	0.30182	1.04E-09	purple	ANXA2
1.73E-09	-0.69343	0.681055	0.522208	1.85E-09	purple	SLC9A3R1
4.40E-09	-0.60437	0.268585	0.327811	4.69E-09	purple	ANXA5
6.96E-09	-0.82363	0.357314	0.373272	7.42E-09	purple	MAP3K8
9.79E-09	-0.80634	0.681055	0.535971	1.04E-08	purple	FLNA
1.40E-08	-0.59437	0.434053	0.410644	1.48E-08	purple	TNFRSF14
1.72E-08	-0.73576	0.434053	0.428874	1.83E-08	purple	FOSB
4.00E-08	-0.52314	0.477218	0.425874	4.24E-08	purple	MAX
4.40E-08	-0.59953	0.788969	0.547776	4.64E-08	purple	BST2
4.59E-08	-0.92245	0.438849	0.422939	4.84E-08	purple	DUSP1

1.04E-07	-0.57784	0.285372	0.322463	1.09E-07	purple	CYTH1
1.07E-07	-0.53346	0.297362	0.333779	1.13E-07	purple	SLC38A1
2.31E-07	-0.55439	0.429257	0.39998	2.43E-07	purple	POLD4
3.46E-07	-0.60838	0.292566	0.323278	3.62E-07	purple	ADGRE5
4.55E-07	-0.51394	0.503597	0.435886	4.75E-07	purple	CMTM6
4.58E-07	-0.51799	0.354916	0.359673	4.78E-07	purple	TMC8
1.69E-06	-0.51936	0.863309	0.586942	1.76E-06	purple	CCNL1
1.88E-06	-0.65865	0.582734	0.46204	1.95E-06	purple	HIF1A
2.66E-06	-0.52596	0.527578	0.292786	2.76E-06	purple	NAMPT
1.26E-05	-0.52463	0.606715	0.477726	1.31E-05	purple	PNRC1
2.17E-05	-0.77693	0.64988	0.479781	2.25E-05	purple	MCL1
5.00E-05	-0.57917	0.470024	0.402785	5.17E-05	purple	ADD3
9.76E-05	-0.54385	0.709832	0.501533	0.000101	purple	LRRFIP1
0.000125	-0.54853	0.647482	0.479455	0.000129	purple	PPP1R2
0.000152	-0.72613	0.306954	0.306875	0.000156	purple	ID2
0.00019	-0.58729	0.247002	0.267023	0.000195	purple	LAT
0.000912	-0.53581	0.386091	0.345976	0.000935	purple	AC007952.4
0.001896	-0.82812	0.872902	0.603411	0.00194	purple	NEAT1
0.002113	-0.56984	0.647482	0.466345	0.002158	purple	REL
0.007977	-0.60622	0.553957	0.418634	0.008134	purple	IQGAP1
0.009329	-0.51244	0.772182	0.515849	0.009498	purple	FOXP1
0.010527	-0.53748	0.609113	0.365575	0.0107	purple	GRN
0.015377	-1.071	0.935252	0.618836	0.015603	purple	SAT1
0.015975	-0.6747	0.7506	0.492467	0.016184	purple	AES
0	2.259244	0.993002	0.215196	0	yellow	LYZ
0	2.080966	0.96501	0.090348	0	yellow	FCN1
0	2.044011	0.975507	0.116721	0	yellow	S100A9
0	2.025906	0.993002	0.379772	0	yellow	CST3
0	1.936294	0.976907	0.113146	0	yellow	S100A8
0	1.897291	0.9986	0.292864	0	yellow	TYROBP
0	1.745022	0.825752	0.074093	0	yellow	SERPINA1
0	1.716375	0.996501	0.815459	0	yellow	S100A6
0	1.665832	0.955913	0.607042	0	yellow	SAT1
0	1.66248	0.895731	0.386483	0	yellow	TIMP1
0	1.654976	0.949615	0.317786	0	yellow	S100A11
0	1.612957	0.841847	0.078646	0	yellow	VCAN
0	1.608166	0.953114	0.351983	0	yellow	LGALS1
0	1.599767	0.937719	0.224774	0	yellow	FCER1G
0	1.582227	0.987404	0.589674	0	yellow	S100A10
0	1.566111	1	0.993828	0	yellow	FTL
0	1.550698	0.827852	0.11092	0	yellow	LGALS3

0	1.524895	0.892232	0.444186	0	yellow	CTSS
0	1.52399	0.811057	0.133718	0	yellow	CD68
0	1.508412	0.857943	0.11436	0	yellow	CSTA
0	1.506251	0.745276	0.063975	0	yellow	CD14
0	1.489057	0.960112	0.590011	0	yellow	NEAT1
0	1.47802	0.943317	0.681168	0	yellow	PSAP
0	1.461079	0.920224	0.354445	0	yellow	LST1
0	1.455244	0.968509	0.529374	0	yellow	AIF1
0	1.452401	0.792162	0.119216	0	yellow	TYMP
0	1.439969	0.849545	0.164643	0	yellow	COTL1
0	1.422204	0.53394	0.063706	0	yellow	G0S2
0	1.420074	0.995101	0.80288	0	yellow	S100A4
0	1.412522	0.70049	0.057365	0	yellow	TMEM176B
0	1.398331	0.783065	0.142419	0	yellow	CFD
0	1.391188	0.892932	0.400513	0	yellow	DUSP1
0	1.390727	0.770469	0.132234	0	yellow	CFP
0	1.383207	0.804759	0.178909	0	yellow	PLAUR
0	1.381328	0.961512	0.6724	0	yellow	TSPO
0	1.352444	0.754374	0.075206	0	yellow	S100A12
0	1.348817	0.836949	0.346284	0	yellow	GRN
0	1.338102	0.69839	0.072305	0	yellow	MS4A6A
0	1.335237	0.452064	0.038749	0	yellow	APOBEC3A
0	1.319738	0.9993	0.996358	0	yellow	FTH1
0	1.281248	0.955913	0.62586	0	yellow	HLA-DRB1
0	1.253646	0.771169	0.273034	0	yellow	NAMPT
0	1.244562	0.915325	0.565797	0	yellow	HLA-DRB5
0	1.24165	0.730581	0.216714	0	yellow	ATP2B1-AS1
0	1.218637	0.646606	0.060873	0	yellow	CLEC7A
0	1.211638	0.622113	0.186193	0	yellow	CPVL
0	1.176892	0.806158	0.276406	0	yellow	ANXA2
0	1.17656	0.850945	0.532578	0	yellow	NPC2
0	1.157352	0.53464	0.042358	0	yellow	MAFB
0	1.155181	0.76627	0.308546	0	yellow	FCGRT
0	1.127173	0.424073	0.027148	0	yellow	LGALS2
0	1.113794	0.490553	0.075003	0	yellow	MNDA
0	1.088624	0.955213	0.585121	0	yellow	HLA-DRA
0	1.074533	0.588523	0.082018	0	yellow	KLF4
0	1.068482	0.853744	0.464151	0	yellow	MCL1
0	1.065584	0.321903	0.038817	0	yellow	RETN
0	1.059464	0.547936	0.03912	0	yellow	TMEM176A
0	1.052317	0.982505	0.82008	0	yellow	SRGN

0	1.04913	0.644507	0.11318	0	yellow	CTSH
0	1.045348	0.601819	0.094361	0	yellow	SLC11A1
0	1.042936	0.738279	0.307197	0	yellow	ANXA5
0	1.040795	0.512246	0.062424	0	yellow	FGL2
0	1.032983	0.63471	0.172332	0	yellow	STXBP2
0	1.025284	0.596221	0.085256	0	yellow	LILRB2
0	1.023902	0.547936	0.063132	0	yellow	IGSF6
0	1.023488	0.474458	0.036052	0	yellow	CD300E
0	1.020773	0.961512	0.720558	0	yellow	EMP3
0	1.01723	0.650805	0.228619	0	yellow	SPI1
0	1.012024	0.948216	0.80025	0	yellow	GABARAP
0	1.010652	0.581526	0.142048	0	yellow	CTSD
0	1.00771	0.538139	0.051228	0	yellow	IFI30
0	0.993005	0.771868	0.449885	0	yellow	ASAH1
0	0.992857	0.522043	0.054431	0	yellow	TNFAIP2
0	0.990497	0.395381	0.033185	0	yellow	HMOX1
0	0.987321	0.507348	0.049575	0	yellow	C5AR1
0	0.97729	0.575927	0.101174	0	yellow	CYBB
0	0.971387	0.829251	0.466815	0	yellow	PYCARD
0	0.9665	0.716585	0.303959	0	yellow	GNAI2
0	0.966024	0.527642	0.051599	0	yellow	PILRA
0	0.964494	0.713086	0.340753	0	yellow	CTSB
0	0.952621	0.50035	0.096756	0	yellow	CDKN1A
0	0.943658	0.53464	0.06519	0	yellow	NCF2
0	0.928604	0.515045	0.054027	0	yellow	LILRA5
0	0.920923	0.496151	0.049744	0	yellow	FPR1
0	0.914542	0.679496	0.255969	0	yellow	CSF3R
0	0.913014	0.76697	0.421725	0	yellow	APLP2
0	0.911571	0.595521	0.201032	0	yellow	RGS2
0	0.908819	0.619314	0.205989	0	yellow	FMNL1
0	0.908521	0.596221	0.218839	0	yellow	NINJ1
0	0.907943	0.578027	0.132504	0	yellow	TNFRSF1B
0	0.907092	0.847446	0.574059	0	yellow	ATP6V0B
0	0.90668	0.785164	0.425536	0	yellow	VSIR
0	0.904	0.480056	0.066572	0	yellow	CEBPD
0	0.899209	0.475857	0.042324	0	yellow	LRP1
0	0.897983	0.571029	0.117463	0	yellow	LY86
0	0.897318	0.440868	0.076926	0	yellow	SGK1
0	0.894609	0.496151	0.063099	0	yellow	TREM1
0	0.893558	0.353394	0.043336	0	yellow	THBS1
0	0.892755	0.489153	0.043201	0	yellow	SLC7A7

0	0.885273	0.981805	0.705382	0	yellow	FOS
0	0.875128	0.993702	0.967658	0	yellow	SH3BGRL3
0	0.863041	0.396081	0.044584	0	yellow	AC020656.1
0	0.861546	0.981106	0.919263	0	yellow	OAZ1
0	0.848032	0.602519	0.137225	0	yellow	FGR
0	0.847538	0.473058	0.11291	0	yellow	CD36
0	0.837358	0.627712	0.237589	0	yellow	PTPRE
0	0.831897	1	0.998685	0	yellow	TMSB10
0	0.830492	0.490553	0.131357	0	yellow	ZNF385A
0	0.822931	0.505248	0.124477	0	yellow	C19orf38
0	0.816522	0.990203	0.903278	0	yellow	VIM
0	0.815796	0.378586	0.057433	0	yellow	IER3
0	0.800559	0.424073	0.048125	0	yellow	CDA
0	0.799636	0.442267	0.05342	0	yellow	PLBD1
0	0.780763	0.422673	0.04799	0	yellow	CXCL16
0	0.773139	0.358293	0.019392	0	yellow	PID1
0	0.75874	0.529741	0.149602	0	yellow	UPP1
0	0.754182	0.991603	0.947187	0	yellow	ATP5F1E
0	0.752798	0.396081	0.064987	0	yellow	MPEG1
0	0.74546	0.473058	0.122825	0	yellow	PLEC
0	0.744751	0.377187	0.075745	0	yellow	ANPEP
0	0.7434	0.43177	0.057972	0	yellow	TGFBI
0	0.74283	0.368789	0.0316	0	yellow	SMIM25
0	0.731862	0.418474	0.045562	0	yellow	CD86
0	0.718012	0.405878	0.073857	0	yellow	CTSZ
0	0.706047	0.426172	0.089404	0	yellow	LILRA2
0	0.701528	0.391183	0.07841	0	yellow	SLC43A2
0	0.697225	0.398181	0.06266	0	yellow	RAB31
0	0.670937	0.996501	0.915149	0	yellow	CD74
0	0.669561	0.373688	0.04799	0	yellow	ITGAX
0	0.669521	0.422673	0.094631	0	yellow	STX11
0	0.647633	0.355493	0.063031	0	yellow	ODF3B
0	0.647609	0.959412	0.912148	0	yellow	ARPC3
0	0.640571	0.988104	0.952044	0	yellow	MYL6
0	0.636714	0.9986	0.98135	0	yellow	SERF2
0	0.636373	0.361791	0.066808	0	yellow	MIR22HG
0	0.634722	0.29881	0.039559	0	yellow	RBP7
0	0.633247	0.335899	0.042493	0	yellow	CLEC4A
0	0.616571	0.318404	0.057096	0	yellow	MS4A7
0	0.60464	0.315605	0.054971	0	yellow	FCGR2A
0	0.602563	0.314906	0.027148	0	yellow	LILRB3

0	0.595815	0.343597	0.058512	0	yellow	HCK
0	0.589898	0.297411	0.032173	0	yellow	STAB1
0	0.578533	0.256823	0.036659	0	yellow	MCEMP1
0	0.577062	0.302309	0.043572	0	yellow	LRRC25
0	0.562814	0.321204	0.060333	0	yellow	FBP1
0	0.55606	0.257523	0.021719	0	yellow	CLEC4E
0	0.542978	0.289713	0.038547	0	yellow	SULF2
0	-0.52227	0.9993	0.99973	0	yellow	RPL10
0	-0.52833	0.996501	0.999191	0	yellow	RPS23
0	-0.54124	0.997201	0.999393	0	yellow	RPS27A
0	-0.54557	0.988104	0.998617	0	yellow	RPL7A
0	-0.58149	0.995101	0.998988	0	yellow	RPS15A
0	-0.58566	0.941218	0.990658	0	yellow	RPL23A
0	-0.60518	0.981106	0.996324	0	yellow	RPL14
0	-0.62015	0.9993	0.999393	0	yellow	RPS12
0	-0.62084	0.979006	0.99565	0	yellow	RPS25
0	-0.67584	0.937719	0.992884	0	yellow	MT-ND4L
0	-0.70484	0.864941	0.97157	0	yellow	EEF2
0	-0.7371	0.996501	0.998921	0	yellow	RPS3A
0	-0.74374	0.984605	0.996965	0	yellow	RPS18
0	-0.76428	0.909727	0.982396	0	yellow	RPL10A
0	-0.8196	0.979006	0.994199	0	yellow	RPS6
0	-0.82063	0.96641	0.994132	0	yellow	RPL5
0	-0.82766	0.969209	0.995818	0	yellow	RPS27
0	-0.83361	0.997901	0.999696	0	yellow	EEF1A1
0	-0.88707	0.990903	0.998347	0	yellow	RPS3
0	-0.88861	0.988104	0.998314	0	yellow	RPS4X
0	-0.92689	0.89853	0.98506	0	yellow	RPSA
0	-0.96211	0.909727	0.98624	0	yellow	RPS5
0	-0.9659	0.284815	0.806489	0	yellow	C12orf57
0	-0.98152	0.871938	0.971267	0	yellow	EEF1B2
0	-1.01825	0.927222	0.991704	0	yellow	RPL3
0	-1.26225	0.442267	0.825105	0	yellow	LDHB
0	-1.31054	0.689293	0.929752	0	yellow	NPM1
0	-1.51629	0.021693	0.589977	0	yellow	CTSW
5.40E-304	0.525356	0.262421	0.041582	1.29E-303	yellow	TRIB1
6.41E-300	0.779909	0.893632	0.627074	1.53E-299	yellow	TKT
4.31E-298	0.863017	0.614416	0.255598	1.02E-297	yellow	TNFSF13B
5.45E-296	-0.75658	0.850245	0.963274	1.29E-295	yellow	HNRNPA1
8.93E-293	0.587538	0.286214	0.051767	2.09E-292	yellow	DMXL2
4.60E-292	-1.08464	0.212736	0.703899	1.07E-291	yellow	GYPC

5.44E-291	0.500574	0.26522	0.044955	1.26E-290	yellow	CSF1R
1.32E-288	0.734476	0.457663	0.129772	3.04E-288	yellow	JAML
4.72E-285	0.845747	0.662001	0.298901	1.08E-284	yellow	AGTRAP
4.14E-279	-0.86321	0.547936	0.875152	9.43E-279	yellow	HSPA8
2.61E-278	0.685255	0.961512	0.726561	5.93E-278	yellow	GSTP1
5.30E-278	-0.65961	0.983205	0.995919	1.20E-277	yellow	RPLP0
6.86E-277	0.506315	0.278516	0.050486	1.54E-276	yellow	FAM49A
1.15E-276	1.011451	0.736179	0.395724	2.57E-276	yellow	NFKBIA
2.14E-276	-1.8508	0.083975	0.596486	4.74E-276	yellow	IFITM1
9.08E-276	-0.74504	0.759272	0.922703	2.01E-275	yellow	HINT1
9.56E-275	0.559674	0.26592	0.047821	2.10E-274	yellow	HBEGF
3.36E-274	0.762802	0.517145	0.182787	7.35E-274	yellow	ZYX
5.83E-273	0.757432	0.864941	0.687306	1.27E-272	yellow	LAMTOR4
2.86E-271	0.635463	0.374388	0.095407	6.19E-271	yellow	GRINA
5.73E-270	0.827487	0.776067	0.485802	1.23E-269	yellow	ARRB2
7.51E-269	-0.87293	0.23373	0.707237	1.61E-268	yellow	6-Sep
4.97E-266	-1.0029	0.660602	0.87903	1.06E-265	yellow	HSP90AB1
5.05E-266	0.511605	0.273618	0.051936	1.07E-265	yellow	EMILIN2
5.69E-265	0.588454	0.351994	0.086132	1.20E-264	yellow	NLRP3
2.03E-258	0.782989	0.818055	0.524417	4.27E-258	yellow	FLNA
2.24E-258	0.965577	0.643107	0.290672	4.69E-258	yellow	ID2
1.35E-256	0.783396	0.786564	0.527688	2.81E-256	yellow	AP2S1
4.55E-255	0.511271	0.288314	0.059591	9.42E-255	yellow	RXRA
2.92E-254	0.751526	0.50035	0.176211	6.01E-254	yellow	MIDN
7.35E-250	0.519822	0.259622	0.048901	1.51E-249	yellow	BASP1
1.53E-249	0.672189	0.887334	0.632369	3.12E-249	yellow	ITGB2
2.95E-248	0.549588	0.314206	0.073385	5.98E-248	yellow	PLXNB2
3.73E-248	-1.15938	0.129461	0.607581	7.54E-248	yellow	EVL
8.33E-248	0.730425	0.537439	0.204708	1.67E-247	yellow	FOSL2
1.95E-243	0.709526	0.615815	0.262546	3.90E-243	yellow	BLVRB
6.01E-243	-1.2574	0.012596	0.490051	1.20E-242	yellow	TRBC2
1.98E-241	0.570269	0.322603	0.077971	3.92E-241	yellow	RELT
3.53E-238	-0.64637	0.685794	0.927425	6.96E-238	yellow	CIRBP
1.08E-237	-1.28831	0.03219	0.50435	2.13E-237	yellow	CD69
4.10E-237	0.704186	0.395381	0.112269	8.00E-237	yellow	RHOB
8.36E-237	0.807428	0.689293	0.366721	1.63E-236	yellow	C1orf162
1.14E-236	0.718839	0.592022	0.244199	2.20E-236	yellow	MYO1F
5.00E-234	0.813271	0.76627	0.486038	9.64E-234	yellow	HLA-DMA
3.66E-232	0.859762	0.616515	0.302307	7.01E-232	yellow	CAPG
1.79E-231	-0.80629	0.30091	0.70147	3.42E-231	yellow	PEBP1
5.15E-230	-0.71879	0.051085	0.527553	9.78E-230	yellow	TSTD1

3.29E-228	0.875957	0.862141	0.642655	6.22E-228	yellow	HLA-DPB1
5.03E-222	0.843528	0.6669	0.353804	9.47E-222	yellow	JUND
5.83E-219	0.53427	0.287614	0.067044	1.09E-218	yellow	BRI3
5.70E-218	0.814625	0.73268	0.414306	1.06E-217	yellow	FOSB
8.09E-217	0.536498	0.282715	0.066707	1.50E-216	yellow	ASGR1
1.27E-216	0.734376	0.481456	0.176919	2.36E-216	yellow	BCL2A1
4.92E-215	0.675261	0.509447	0.198975	9.07E-215	yellow	THEMIS2
5.36E-214	0.663841	0.404479	0.134696	9.83E-214	yellow	AP1S2
2.09E-213	0.793649	0.582225	0.279172	3.83E-213	yellow	ATP2B1
5.58E-211	0.60887	0.893632	0.787974	1.02E-210	yellow	ELOB
2.58E-210	-0.90327	0.643107	0.918791	4.68E-210	yellow	SARAF
1.56E-208	0.639726	0.439468	0.15692	2.82E-208	yellow	MYO9B
7.48E-206	-0.66126	0.015395	0.446513	1.34E-205	yellow	OCIAD2
2.16E-205	0.635565	0.40098	0.130919	3.85E-205	yellow	EVI2B
1.40E-204	-1.53231	0.072778	0.497268	2.50E-204	yellow	STMN1
1.59E-204	0.714441	0.601819	0.284905	2.82E-204	yellow	TCIRG1
3.81E-204	-0.81257	0.006998	0.43245	6.74E-204	yellow	RHOH
3.17E-203	0.608551	0.318404	0.089134	5.58E-203	yellow	PPIF
2.06E-202	0.623675	0.855143	0.683698	3.60E-202	yellow	GNG5
5.67E-201	-0.7508	0.002799	0.423108	9.88E-201	yellow	ITM2A
2.50E-198	-0.9481	0.170749	0.576251	4.35E-198	yellow	NUCB2
6.42E-198	0.81578	0.697691	0.452381	1.11E-197	yellow	HIF1A
1.74E-192	-0.70262	0.572428	0.869553	3.00E-192	yellow	RAC2
1.87E-191	-1.84936	0.016795	0.41987	3.21E-191	yellow	CD3E
1.38E-190	0.66534	0.758572	0.513321	2.36E-190	yellow	CYBA
5.76E-190	0.833013	0.838348	0.641845	9.80E-190	yellow	HLA-DPA1
3.16E-189	0.599338	0.419174	0.146567	5.35E-189	yellow	ADA2
2.05E-188	-1.41935	0.025892	0.428403	3.46E-188	yellow	CD7
5.30E-188	0.593365	0.862141	0.752529	8.91E-188	yellow	HIGD2A
1.22E-187	-0.69149	0.123863	0.556623	2.05E-187	yellow	ACAP1
6.57E-186	0.767948	0.6662	0.423007	1.10E-185	yellow	RILPL2
5.45E-184	0.553139	0.90063	0.800047	9.05E-184	yellow	LSP1
7.89E-183	0.564772	0.342197	0.107851	1.31E-182	yellow	TLE3
1.20E-179	-2.09762	0.019594	0.405942	1.99E-179	yellow	IL32
3.24E-179	-0.97117	0.217635	0.613517	5.33E-179	yellow	HIST1H4C
2.25E-178	0.541552	0.355493	0.11237	3.67E-178	yellow	SH3BP2
5.98E-178	-0.68821	0.317705	0.679482	9.74E-178	yellow	SNHG8
9.84E-178	0.698204	0.736179	0.440881	1.60E-177	yellow	AHNAK
9.81E-177	0.607648	0.379286	0.137293	1.59E-176	yellow	ALDH2
2.43E-176	-0.85054	0.030791	0.418589	3.91E-176	yellow	CDK6
2.97E-175	-0.62651	0.582925	0.822002	4.77E-175	yellow	NCL

3.78E-175	0.512469	0.304409	0.089539	6.03E-175	yellow	SH2B3
5.50E-175	0.734305	0.586424	0.307669	8.75E-175	yellow	CARD16
6.40E-174	-0.51039	0.678796	0.903312	1.01E-173	yellow	HNRNPDL
4.80E-172	-0.59709	0.344997	0.717119	7.58E-172	yellow	SOD1
4.82E-172	0.725931	0.686494	0.459902	7.58E-172	yellow	CD63
2.52E-171	0.67614	0.643807	0.354951	3.95E-171	yellow	HLA-DQB1
2.89E-170	0.631435	0.459762	0.192871	4.52E-170	yellow	UBXN11
3.52E-169	0.593419	0.453464	0.182281	5.48E-169	yellow	HLA-DMB
1.13E-168	0.584791	0.850245	0.721368	1.75E-168	yellow	COX8A
6.87E-167	0.655437	0.776767	0.647713	1.06E-166	yellow	ALDOA
2.60E-165	0.653984	0.442267	0.192938	4.01E-165	yellow	RAC1
1.38E-163	0.699044	0.864241	0.655841	2.12E-163	yellow	KLF6
3.99E-161	-0.57338	0.361092	0.703089	6.10E-161	yellow	PTGES3
1.62E-160	-0.59711	0.074178	0.460306	2.46E-160	yellow	ARHGAP15
5.05E-160	0.721546	0.43317	0.190105	7.67E-160	yellow	WARS
2.16E-159	-0.58757	0.020994	0.386955	3.27E-159	yellow	BEX3
3.39E-159	-1.11699	0.324703	0.639384	5.11E-159	yellow	TUBB
9.94E-159	0.58504	0.387684	0.154155	1.49E-158	yellow	TNFSF13
1.11E-157	0.989385	0.458362	0.218333	1.66E-157	yellow	HLA-DQA2
1.22E-157	0.623163	0.535339	0.239916	1.83E-157	yellow	NCF1
3.69E-157	0.608687	0.488453	0.218097	5.48E-157	yellow	GLIPR2
5.08E-157	0.587114	0.386284	0.152233	7.52E-157	yellow	LYN
1.17E-156	0.671681	0.464661	0.215061	1.72E-156	yellow	NUP214
2.44E-156	0.567184	0.410777	0.164002	3.59E-156	yellow	SCPEP1
1.44E-155	-0.62006	0.36529	0.722717	2.11E-155	yellow	SRSF7
3.28E-155	-1.51216	0.064381	0.412485	4.79E-155	yellow	LTB
1.60E-153	0.501329	0.378586	0.134763	2.33E-153	yellow	CD4
3.08E-153	0.58732	0.883835	0.699818	4.47E-153	yellow	ZFP36
3.48E-153	0.637984	0.603219	0.351747	5.02E-153	yellow	RNF130
9.56E-153	-0.85934	0.169349	0.50435	1.38E-152	yellow	IMPDH2
1.64E-151	0.671462	0.56683	0.317955	2.36E-151	yellow	ARPC1B
1.84E-151	0.569521	0.610917	0.299508	2.63E-151	yellow	SAMHD1
2.65E-151	-0.84719	0.025892	0.375658	3.78E-151	yellow	ITM2C
1.62E-150	0.630337	0.393982	0.159315	2.30E-150	yellow	GNB2
1.79E-150	-0.65929	0.006998	0.349015	2.53E-150	yellow	SLC38A1
6.95E-150	-0.72045	0.092372	0.456765	9.81E-150	yellow	1-Sep
3.17E-149	0.750738	0.330301	0.116417	4.46E-149	yellow	DUSP6
3.94E-149	-0.53119	0.064381	0.429651	5.52E-149	yellow	ZNF22
1.23E-147	-1.17459	0.013996	0.351443	1.72E-147	yellow	PRSS57
4.85E-147	0.622829	0.810357	0.737488	6.76E-147	yellow	ITM2B
5.77E-147	0.583655	0.369489	0.146027	8.01E-147	yellow	PLXDC2

1.97E-146	0.601333	0.869839	0.705686	2.73E-146	yellow	IER2
2.27E-146	0.657711	0.573828	0.330737	3.13E-146	yellow	PTP4A2
1.51E-144	0.61748	0.662701	0.408775	2.08E-144	yellow	IQGAP1
2.81E-144	-0.99281	0.004199	0.334918	3.84E-144	yellow	LCK
6.74E-144	-0.54179	0.135759	0.505565	9.21E-144	yellow	NOP58
7.11E-143	-1.13593	0.006998	0.33448	9.68E-143	yellow	CD3D
7.20E-143	-0.66271	0.20084	0.567719	9.77E-143	yellow	PRDX2
1.61E-142	-0.53261	0.488453	0.787502	2.18E-142	yellow	EIF4B
1.64E-142	0.642929	0.540238	0.304229	2.21E-142	yellow	ATP6V0D1
2.31E-142	-0.54753	0.349895	0.71233	3.10E-142	yellow	EIF4A2
4.72E-142	0.701247	0.356193	0.134426	6.32E-142	yellow	NR4A1
1.75E-141	-0.5439	0.462561	0.77988	2.33E-141	yellow	PNISR
9.57E-141	-0.55351	0.242127	0.592068	1.27E-140	yellow	SRP9
3.98E-140	-0.57376	0.116865	0.469513	5.29E-140	yellow	PARP1
4.18E-140	-0.71187	0.09937	0.444017	5.54E-140	yellow	TBC1D10C
5.48E-140	0.612656	0.421274	0.191623	7.22E-140	yellow	CAPNS1
7.27E-138	-0.51564	0.137159	0.507015	9.55E-138	yellow	TAF7
1.04E-137	0.617699	0.421274	0.195366	1.36E-137	yellow	PRELID1
1.35E-137	0.561569	0.776767	0.66498	1.76E-137	yellow	ATP6V0C
1.08E-136	-0.73352	0.209237	0.571327	1.40E-136	yellow	LEPROTL1
4.84E-136	0.602901	0.715185	0.551835	6.28E-136	yellow	CNPY3
9.23E-136	-0.5185	0.426872	0.723088	1.20E-135	yellow	ST13
4.57E-135	-0.54935	0.585724	0.794921	5.90E-135	yellow	EIF3E
1.31E-134	0.522819	0.848845	0.607311	1.69E-134	yellow	TALDO1
7.66E-134	-0.78876	0.054584	0.38247	9.83E-134	yellow	AC084033.3
1.00E-133	-0.91566	0.005598	0.317887	1.28E-133	yellow	SPOCK2
3.82E-133	0.589716	0.720084	0.58738	4.87E-133	yellow	ATP6V1F
5.66E-133	0.644986	0.687194	0.52128	7.19E-133	yellow	CSTB
1.44E-132	-0.59985	0.471659	0.726022	1.83E-132	yellow	RAN
5.11E-132	0.609718	0.635409	0.432281	6.46E-132	yellow	RNH1
1.25E-131	-0.59348	0.069279	0.405436	1.58E-131	yellow	CYFIP2
2.78E-131	-0.51883	0.242127	0.588088	3.49E-131	yellow	RBMX
8.42E-131	0.655478	0.545836	0.320383	1.05E-130	yellow	GRK2
1.57E-130	-0.71106	0.241428	0.544044	1.96E-130	yellow	HSPD1
1.08E-129	0.54145	0.327502	0.125489	1.35E-129	yellow	MAP2K3
1.26E-129	0.55217	0.816655	0.676784	1.56E-129	yellow	PKM
1.49E-129	-0.71535	0.448565	0.73135	1.84E-129	yellow	CALR
3.79E-129	0.623916	0.644507	0.453325	4.68E-129	yellow	GRB2
1.49E-128	-0.56839	0.205038	0.526541	1.83E-128	yellow	CCT2
2.07E-127	-0.51163	0.321204	0.677762	2.54E-127	yellow	7-Sep
1.29E-126	-0.85306	0.008397	0.30777	1.57E-126	yellow	FCMR

1.55E-124	-0.60164	0.016095	0.319877	1.89E-124	yellow	EGFL7
7.71E-124	-0.63553	0	0.292729	9.38E-124	yellow	CD34
1.35E-123	-0.62686	0.002799	0.296169	1.64E-123	yellow	FAM30A
5.04E-123	0.664127	0.563331	0.359166	6.10E-123	yellow	C20orf27
1.36E-122	-0.90822	0.326802	0.617901	1.64E-122	yellow	CXCR4
9.83E-122	0.612335	0.689993	0.529846	1.18E-121	yellow	PGLS
1.11E-121	0.623206	0.435269	0.224808	1.33E-121	yellow	AMPD2
3.24E-120	0.62967	0.394682	0.182079	3.87E-120	yellow	ANKRD13D
5.13E-120	0.566541	0.708188	0.537535	6.12E-120	yellow	PLP2
8.89E-120	-1.40257	0.013996	0.303386	1.06E-119	yellow	IL7R
9.53E-120	0.600526	0.689293	0.475246	1.13E-119	yellow	GLUL
2.26E-119	-0.54306	0.06788	0.384595	2.67E-119	yellow	PBXIP1
8.92E-119	0.599161	0.386984	0.173985	1.05E-118	yellow	RAB11FIP1
4.39E-118	0.556846	0.326102	0.122285	5.16E-118	yellow	RNASE2
4.90E-116	-0.5356	0.297411	0.589404	5.75E-116	yellow	APEX1
1.47E-115	0.529324	0.413576	0.194523	1.72E-115	yellow	TOM1
5.26E-115	-0.61184	0.218334	0.542088	6.13E-115	yellow	CCND3
7.90E-115	-0.63369	0.186844	0.524518	9.18E-115	yellow	NOSIP
1.80E-114	-0.76648	0.009797	0.288817	2.08E-114	yellow	ZAP70
1.46E-113	0.560861	0.720784	0.602792	1.68E-113	yellow	RHOG
2.24E-111	-0.75015	0.002099	0.27273	2.58E-111	yellow	SMIM24
3.56E-111	-0.76229	0.002799	0.273371	4.09E-111	yellow	HOPX
8.64E-110	-0.68514	0.008397	0.278227	9.91E-110	yellow	LBH
8.80E-110	0.50373	0.303009	0.123567	1.01E-109	yellow	BST1
5.27E-109	0.516642	0.371589	0.166734	6.01E-109	yellow	GPCPD1
3.41E-107	0.587517	0.659902	0.49683	3.88E-107	yellow	LRRFIP1
1.56E-106	0.519206	0.373688	0.175671	1.77E-106	yellow	PRAM1
2.67E-106	-0.92557	0.002799	0.263355	3.02E-106	yellow	SPINK2
6.35E-106	-0.79727	0.003499	0.26376	7.16E-106	yellow	CD3G
7.32E-106	-0.57253	0.049685	0.329455	8.24E-106	yellow	RNF125
7.86E-106	-0.6058	0.005598	0.267402	8.83E-106	yellow	ABLIM1
1.01E-105	-1.39359	0.006298	0.267604	1.13E-105	yellow	IGLL1
1.02E-105	-0.87905	0.004199	0.264502	1.14E-105	yellow	GZMM
1.92E-105	0.567966	0.426172	0.223897	2.13E-105	yellow	ZFAND5
2.35E-104	0.536605	0.356893	0.1638	2.61E-104	yellow	PHACTR1
4.37E-104	-1.46679	0.040588	0.309085	4.84E-104	yellow	CST7
1.17E-103	-0.50401	0.186144	0.504047	1.30E-103	yellow	PRMT2
1.73E-103	-0.69318	0.256123	0.570349	1.91E-103	yellow	DNAJB1
5.26E-103	-0.60943	0.0014	0.254924	5.78E-103	yellow	SKAP1
8.14E-103	0.536991	0.513646	0.304465	8.93E-103	yellow	SAT2
1.10E-102	-0.61665	0.018894	0.279981	1.20E-102	yellow	PRKCH

2.01E-102	-0.55158	0.057383	0.335964	2.20E-102	yellow	MCM7
1.95E-101	-0.60885	0.263821	0.551228	2.12E-101	yellow	DUT
1.38E-98	-0.85066	0.004899	0.251113	1.50E-98	yellow	CD247
1.92E-98	0.569209	0.463961	0.282241	2.08E-98	yellow	LGALS9
3.64E-97	-0.7282	0.047586	0.30315	3.93E-97	yellow	PIK3IP1
4.28E-97	-0.6422	0.025892	0.278362	4.61E-97	yellow	LAT
9.38E-97	0.58101	0.442967	0.2615	1.01E-96	yellow	PLSCR1
1.00E-95	0.58783	0.414976	0.235364	1.07E-95	yellow	TBXAS1
1.64E-95	0.502306	0.740378	0.648928	1.76E-95	yellow	CD44
4.66E-94	0.511979	0.347096	0.168353	4.97E-94	yellow	CPPED1
4.68E-94	0.546166	0.517845	0.338493	4.97E-94	yellow	PCBP1
7.42E-92	0.547696	0.514346	0.327634	7.87E-92	yellow	KLF10
1.40E-91	0.522588	0.481456	0.279981	1.49E-91	yellow	CAST
1.09E-90	-0.54677	0.118964	0.389788	1.15E-90	yellow	P2RY8
1.90E-88	-0.70376	0.623513	0.827971	2.00E-88	yellow	TSC22D3
2.76E-86	0.536402	0.595521	0.442432	2.90E-86	yellow	PGD
9.51E-80	-0.54779	0.230931	0.466916	9.96E-80	yellow	CAT
4.93E-77	0.508352	0.648705	0.513321	5.15E-77	yellow	DDX21
7.23E-74	0.504478	0.359692	0.201167	7.54E-74	yellow	MXD1
3.82E-73	0.500648	0.447166	0.285546	3.97E-73	yellow	MGAT1
1.52E-72	-0.56422	0.118265	0.340753	1.57E-72	yellow	ISG20
6.12E-72	-0.60149	0.057383	0.265749	6.33E-72	yellow	FLT3LG
7.40E-69	0.522298	0.477957	0.316471	7.63E-69	yellow	PER1
9.46E-69	0.516479	0.451365	0.308242	9.74E-69	yellow	BID
1.19E-68	-0.51583	0.860042	0.922973	1.22E-68	yellow	HMGB1
2.79E-63	-0.50128	0.069979	0.278868	2.86E-63	yellow	CMC1
6.18E-62	0.508194	0.453464	0.312289	6.32E-62	yellow	SOD2
2.33E-61	-0.55766	0.174948	0.403177	2.37E-61	yellow	SOX4
3.51E-61	-0.69875	0.223233	0.431236	3.57E-61	yellow	TNFAIP3
9.74E-55	0.743117	0.571728	0.479664	9.88E-55	yellow	IFITM3
1.71E-49	-0.85212	0.559132	0.66724	1.73E-49	yellow	TUBA1B
5.01E-47	0.514916	0.468859	0.361594	5.06E-47	yellow	JPT1
3.27E-46	0.695697	0.26802	0.152806	3.30E-46	yellow	IL1B
8.17E-34	-1.87091	0.174948	0.311682	8.21E-34	yellow	NKG7
1.87E-32	-0.55993	0.190343	0.336908	1.87E-32	yellow	AREG
5.76E-12	-0.99234	0.296011	0.210509	5.76E-12	yellow	HBB
0	2.575127	0.982857	0.103702	0	cyan	SERPINA1
0	2.416669	0.954286	0.071798	0	cyan	FCGR3A
0	2.239602	0.925714	0.064259	0	cyan	MS4A7
0	2.132165	0.965714	0.103896	0	cyan	LILRB2
0	2.080588	0.948571	0.065651	0	cyan	C5AR1

0	1.957825	0.891429	0.042322	0	cyan	SMIM25
0	1.742946	0.874286	0.068951	0	cyan	PILRA
0	1.719064	0.902857	0.070536	0	cyan	LILRA5
0	1.616546	0.811429	0.050799	0	cyan	CSF1R
0	1.609073	0.817143	0.045493	0	cyan	HMOX1
0	1.554489	0.817143	0.067398	0	cyan	HCK
0	1.540148	0.851429	0.050961	0	cyan	LRRC25
0	1.53102	0.337143	0.000226	0	cyan	LYPD2
0	1.494511	0.788571	0.061121	0	cyan	CXCL16
0	1.428068	0.828571	0.069339	0	cyan	IFI30
0	1.257167	0.754286	0.059794	0	cyan	SLC7A7
0	1.209395	0.662857	0.039636	0	cyan	CTSL
0	1.178165	0.577143	0.00948	0	cyan	CDKN1C
0	1.167978	0.291429	0.002394	0	cyan	VMO1
0	1.055527	0.622857	0.029768	0	cyan	LILRA1
0	0.966424	0.611429	0.03255	0	cyan	HK3
0	0.838954	0.48	0.018249	0	cyan	GPBAR1
0	0.775717	0.434286	0.016405	0	cyan	CDH23
0	0.741448	0.405714	0.003365	0	cyan	LINC02432
0	0.672961	0.365714	0.012651	0	cyan	C3AR1
0	0.59978	0.354286	0.005662	0	cyan	ZNF703
0	0.557395	0.354286	0.008898	0	cyan	TPPP3
1.23E-289	1.332743	0.828571	0.078884	2.29E-288	cyan	FGL2
1.83E-287	1.269809	0.862857	0.083414	3.28E-286	cyan	CLEC7A
1.69E-285	1.162677	0.64	0.049667	2.93E-284	cyan	SIGLEC10
5.86E-285	1.339712	0.765714	0.068951	9.83E-284	cyan	LILRB1
2.48E-277	0.567668	0.4	0.018249	4.02E-276	cyan	SLC24A4
1.73E-256	0.830271	0.497143	0.030933	2.73E-255	cyan	SCIMP
7.67E-243	1.374071	0.897143	0.113279	1.17E-241	cyan	SLC11A1
1.87E-236	2.012569	0.977143	0.16026	2.78E-235	cyan	CD68
4.98E-228	1.174796	0.76	0.082961	7.20E-227	cyan	NCF2
5.74E-221	0.921381	0.64	0.059438	8.07E-220	cyan	CD86
4.48E-215	0.982049	0.571429	0.050476	6.12E-214	cyan	OAS1
2.06E-210	0.71672	0.502857	0.03776	2.75E-209	cyan	LILRB3
4.27E-209	1.239885	0.748571	0.083188	5.56E-208	cyan	TMEM176B
3.73E-207	0.847129	0.6	0.053129	4.73E-206	cyan	CD300E
1.04E-203	1.389213	0.594286	0.054714	1.29E-202	cyan	APOBEC3A
5.77E-202	0.860752	0.605714	0.057885	6.97E-201	cyan	FAM49A
1.08E-201	1.447125	0.931429	0.126027	1.27E-200	cyan	FCN1
3.74E-200	1.503375	0.92	0.145797	4.32E-199	cyan	TYMP
4.90E-200	1.505122	0.931429	0.154242	5.53E-199	cyan	FGR

1.41E-197	1.230974	0.685714	0.08445	1.56E-196	cyan	TCF7L2
5.96E-196	1.318515	0.84	0.118941	6.46E-195	cyan	CYBB
6.90E-192	0.992136	0.68	0.076814	7.32E-191	cyan	MPEG1
9.17E-192	0.61914	0.377143	0.02417	9.53E-191	cyan	MS4A4A
2.14E-190	0.564799	0.394286	0.025691	2.18E-189	cyan	CHST15
4.08E-188	0.568458	0.422857	0.029962	4.08E-187	cyan	SIRPB1
5.44E-187	0.908883	0.64	0.067042	5.34E-186	cyan	FPR1
3.21E-186	1.625535	0.931429	0.167573	3.09E-185	cyan	CFD
1.58E-185	1.122658	0.742857	0.101275	1.49E-184	cyan	LILRA2
2.84E-185	0.901652	0.525714	0.048825	2.64E-184	cyan	SLC2A6
3.97E-182	0.990636	0.594286	0.063968	3.62E-181	cyan	FCGR2A
7.44E-182	2.406136	0.994286	0.253381	6.67E-181	cyan	FCER1G
5.16E-172	1.471875	0.874286	0.157542	4.54E-171	cyan	CFP
3.02E-168	1.025107	0.668571	0.08212	2.61E-167	cyan	IGSF6
8.88E-168	1.307532	0.857143	0.139843	7.57E-167	cyan	LGALS3
6.44E-165	1.752678	0.902857	0.189575	5.40E-164	cyan	STXBP2
7.53E-161	1.173354	0.794286	0.13829	6.21E-160	cyan	C19orf38
2.54E-160	0.500854	0.325714	0.02087	2.06E-159	cyan	ADAP2
3.19E-159	1.472882	0.931429	0.191969	2.56E-158	cyan	COTL1
1.01E-157	1.401347	0.897143	0.186922	7.99E-157	cyan	BCL2A1
9.21E-157	1.217481	0.84	0.149097	7.15E-156	cyan	TNFRSF1B
2.11E-155	1.486899	0.788571	0.140976	1.62E-154	cyan	NR4A1
1.73E-153	1.034059	0.674286	0.090824	1.31E-152	cyan	MNDA
3.41E-152	0.887328	0.531429	0.061671	2.54E-151	cyan	SLC31A2
4.49E-152	0.647849	0.428571	0.038213	3.29E-151	cyan	CD300C
3.89E-149	0.620033	0.451429	0.040931	2.81E-148	cyan	CX3CR1
3.98E-149	0.777899	0.56	0.062609	2.83E-148	cyan	CDA
7.77E-147	1.657159	0.851429	0.197599	5.46E-146	cyan	WARS
5.74E-144	2.21545	0.988571	0.343202	3.98E-143	cyan	S100A11
1.01E-143	0.541914	0.382857	0.031644	6.94E-143	cyan	LILRA6
7.00E-142	2.641973	0.982857	0.377047	4.73E-141	cyan	LST1
3.05E-141	0.845651	0.565714	0.06976	2.03E-140	cyan	ALOX5
7.52E-141	0.670664	0.537143	0.059827	4.95E-140	cyan	TMEM176A
5.54E-137	0.547098	0.36	0.029897	3.60E-136	cyan	SNX18
5.15E-136	0.951926	0.571429	0.079143	3.30E-135	cyan	CLEC12A
6.06E-136	1.008672	0.68	0.109267	3.84E-135	cyan	MTSS1
7.85E-133	0.988179	0.554286	0.077234	4.92E-132	cyan	FAM110A
1.51E-132	1.797834	0.994286	0.321523	9.34E-132	cyan	TYROBP
6.95E-131	0.871044	0.565714	0.077008	4.25E-130	cyan	RHOC
1.71E-130	0.912843	0.662857	0.106581	1.03E-129	cyan	STX11
1.06E-121	0.701789	0.514286	0.062447	6.31E-121	cyan	MAFB

1.35E-120	0.732701	0.485714	0.06303	7.98E-120	cyan	ADGRE2
3.04E-120	0.549367	0.314286	0.026014	1.78E-119	cyan	MTMR11
4.00E-120	0.808814	0.548571	0.075422	2.31E-119	cyan	ABI3
6.92E-119	2.007942	0.988571	0.46182	3.95E-118	cyan	CTSS
6.93E-118	1.630229	0.902857	0.300815	3.91E-117	cyan	PECAM1
1.21E-117	0.737609	0.485714	0.060571	6.76E-117	cyan	ITGAX
2.81E-117	0.744982	0.52	0.075131	1.55E-116	cyan	CD300LF
1.72E-114	1.930099	0.988571	0.547078	9.44E-114	cyan	AIF1
5.48E-113	2.020141	0.971429	0.406717	2.97E-112	cyan	TIMP1
3.66E-110	2.218449	1	0.620947	1.96E-109	cyan	SAT1
6.25E-110	2.250676	0.988571	0.691549	3.32E-109	cyan	PSAP
8.43E-109	2.235159	0.96	0.481201	4.43E-108	cyan	IFITM3
1.00E-108	1.068186	0.857143	0.204006	5.21E-108	cyan	PLAUR
1.31E-106	1.02887	0.708571	0.159904	6.75E-106	cyan	LYN
4.61E-106	1.461871	0.971429	0.46182	2.35E-105	cyan	ASAH1
1.06E-103	0.851165	0.485714	0.069986	5.34E-103	cyan	FBP1
4.26E-103	1.401065	0.537143	0.082767	2.13E-102	cyan	G0S2
6.94E-101	0.787938	0.485714	0.074387	3.44E-100	cyan	RNF144B
8.56E-101	0.808475	0.502857	0.07772	4.20E-100	cyan	TNFSF10
2.29E-100	1.761748	0.994286	0.994111	1.11E-99	cyan	FTL
2.88E-100	0.968984	0.714286	0.173526	1.39E-99	cyan	CPPED1
5.98E-99	0.746324	0.508571	0.082055	2.85E-98	cyan	PLXNB2
1.47E-98	1.365979	0.988571	0.544716	6.95E-98	cyan	NPC2
1.70E-98	1.266331	0.897143	0.323788	7.95E-98	cyan	ANXA5
2.72E-98	1.012355	0.691429	0.150294	1.26E-97	cyan	CD83
3.55E-98	1.504481	1	0.996473	1.64E-97	cyan	FTH1
3.92E-97	0.744045	0.56	0.099075	1.79E-96	cyan	GNS
1.51E-95	0.695834	0.377143	0.048437	6.85E-95	cyan	CKB
2.87E-95	-1.21356	0.982857	0.998091	1.29E-94	cyan	RPS3
4.91E-95	1.296033	0.874286	0.292662	2.18E-94	cyan	NAMPT
1.70E-93	0.971795	0.702857	0.163852	7.47E-93	cyan	POU2F2
7.55E-93	1.427448	0.977143	0.404743	3.30E-92	cyan	CST3
4.45E-92	1.08865	0.748571	0.198473	1.93E-91	cyan	CASP1
6.00E-92	0.654895	0.474286	0.074225	2.58E-91	cyan	SIDT2
4.54E-91	1.15	0.857143	0.311752	1.93E-90	cyan	BID
5.52E-91	0.948238	0.771429	0.196984	2.34E-90	cyan	LYST
6.61E-91	1.121345	0.994286	0.921698	2.77E-90	cyan	OAZ1
1.21E-90	-0.95575	0.994286	0.999029	5.05E-90	cyan	RPL13
1.34E-90	1.128592	0.794286	0.244936	5.54E-90	cyan	SPI1
5.06E-90	0.593589	0.451429	0.067948	2.07E-89	cyan	RXRA
1.64E-88	0.943362	0.714286	0.180806	6.68E-88	cyan	UNC119

2.59E-88	0.766911	0.605714	0.120818	1.05E-87	cyan	SH3BP2
4.47E-88	-1.32584	0.954286	0.988934	1.79E-87	cyan	RPL3
5.17E-87	1.386974	0.92	0.439365	2.05E-86	cyan	VSIR
6.38E-87	1.430675	0.994286	0.604834	2.51E-86	cyan	NEAT1
9.41E-87	1.424655	0.994286	0.810684	3.68E-86	cyan	S100A4
9.48E-86	-1.22222	0.977143	0.996506	3.68E-85	cyan	RPS18
1.70E-85	1.445525	0.988571	0.772633	6.54E-85	cyan	IFITM2
2.82E-85	1.002823	0.742857	0.219569	1.08E-84	cyan	MYD88
3.20E-85	0.668425	0.514286	0.090403	1.22E-84	cyan	SLC43A2
1.15E-84	0.950362	1	0.999644	4.33E-84	cyan	ACTB
1.37E-84	-0.75477	0.994286	0.999321	5.14E-84	cyan	RPS27A
1.52E-84	1.096935	0.857143	0.296318	5.64E-84	cyan	TCIRG1
2.12E-84	0.666584	0.445714	0.073384	7.81E-84	cyan	SMCO4
2.83E-84	-1.21039	0.977143	0.993593	1.04E-83	cyan	RPS6
4.23E-83	-0.82897	0.994286	0.999321	1.54E-82	cyan	RPL32
1.17E-82	-1.19797	0.925714	0.981395	4.24E-82	cyan	RPSA
1.54E-82	-0.65146	0.994286	0.999482	5.53E-82	cyan	RPL19
4.04E-81	1.371698	0.902857	0.431081	1.44E-80	cyan	CTSC
1.39E-80	1.2874	0.902857	0.465379	4.92E-80	cyan	PTPN6
4.13E-80	0.574061	0.462857	0.075908	1.45E-79	cyan	RAB31
6.65E-80	1.002629	0.971429	0.37627	2.32E-79	cyan	LGALS1
8.89E-80	-0.81114	0.994286	0.999418	3.08E-79	cyan	RPS12
9.31E-80	-1.20889	0.977143	0.995438	3.21E-79	cyan	RPLP0
1.20E-79	0.971945	0.748571	0.240762	4.11E-79	cyan	TBXAS1
1.32E-79	0.881159	0.748571	0.210218	4.49E-79	cyan	THEMIS2
2.24E-79	0.889596	0.68	0.181971	7.56E-79	cyan	PRAM1
3.94E-79	0.928676	0.982857	0.913933	1.32E-78	cyan	ARPC3
1.04E-78	-0.74445	1	0.997573	3.45E-78	cyan	RPL37
1.41E-78	-0.69872	0.994286	0.998835	4.69E-78	cyan	RPS15A
2.50E-78	-0.61585	0.994286	0.999094	8.24E-78	cyan	RPS15
3.72E-78	0.902123	0.994286	0.953472	1.22E-77	cyan	MYL6
4.67E-78	1.155728	0.845714	0.297677	1.52E-77	cyan	ANXA2
5.72E-78	1.038213	0.942857	0.480877	1.85E-77	cyan	PYCARD
1.08E-77	-0.84845	0.971429	0.988481	3.48E-77	cyan	RPL23A
2.90E-77	0.904286	0.68	0.177118	9.24E-77	cyan	SMAP2
3.07E-77	1.011898	0.76	0.233223	9.75E-77	cyan	NINJ1
6.44E-77	1.290808	0.994286	0.822818	2.03E-76	cyan	S100A6
1.04E-76	-0.76659	0.988571	0.999126	3.26E-76	cyan	RPS23
1.35E-76	0.537414	0.411429	0.062544	4.20E-76	cyan	NAPSA
1.97E-75	-0.64334	0.994286	0.998738	6.10E-75	cyan	RPS7
5.81E-75	-0.96229	0.994286	0.997864	1.79E-74	cyan	RPS4X

1.43E-74	-0.79504	0.982857	0.994952	4.37E-74	cyan	RPS25
1.76E-74	0.537328	0.445714	0.07306	5.35E-74	cyan	TGFBI
2.57E-74	1.173607	0.977143	0.730247	7.78E-74	cyan	EMP3
2.63E-74	1.049886	0.834286	0.317576	7.92E-74	cyan	CARD16
3.75E-74	-0.66066	1	0.999353	1.12E-73	cyan	RPS14
4.57E-74	-0.83949	1	0.998803	1.36E-73	cyan	RPS3A
6.17E-74	-1.1006	0.948571	0.982916	1.82E-73	cyan	RPS5
2.76E-73	1.204719	0.828571	0.36391	8.10E-73	cyan	JPT1
6.65E-73	1.039744	0.948571	0.60629	1.94E-72	cyan	RHOG
3.59E-71	0.521601	0.325714	0.044296	1.04E-70	cyan	MARCKS
9.82E-71	0.894608	0.531429	0.112955	2.84E-70	cyan	CDKN1A
1.01E-70	-0.75661	0.988571	0.995276	2.90E-70	cyan	RPS21
1.10E-70	-0.69987	1	0.998123	3.14E-70	cyan	RPL7A
1.34E-70	-0.88165	0.965714	0.980392	3.81E-70	cyan	RPL37A
2.53E-70	1.143235	0.92	0.526694	7.14E-70	cyan	CSTB
2.97E-70	1.04757	0.96	0.668479	8.33E-70	cyan	ATP6V0C
4.39E-70	-0.63345	1	0.998609	1.23E-69	cyan	RPL35A
5.47E-70	-0.79465	0.982857	0.993949	1.52E-69	cyan	RPL9
9.41E-70	0.512775	0.657143	0.145668	2.60E-69	cyan	CSTA
9.81E-70	0.792605	0.657143	0.18443	2.70E-69	cyan	CD300A
1.20E-69	0.819077	1	0.993658	3.29E-69	cyan	TMSB4X
2.60E-69	-0.69284	0.988571	0.998706	7.08E-69	cyan	RPL18A
3.33E-69	-0.72041	1	0.999838	9.02E-69	cyan	RPLP1
3.63E-69	0.550882	0.382857	0.060733	9.77E-69	cyan	DMXL2
4.57E-69	-0.93985	0.954286	0.979195	1.23E-68	cyan	RPL10A
8.01E-69	-0.70275	0.994286	0.999515	2.14E-68	cyan	RPS8
8.70E-69	-0.64972	0.988571	0.99835	2.31E-68	cyan	RPL29
1.27E-68	0.815198	0.68	0.203553	3.35E-68	cyan	CPVL
3.47E-68	-0.59336	0.994286	0.999029	9.11E-68	cyan	RPL18
4.73E-68	0.647519	0.605714	0.134958	1.24E-67	cyan	CTSH
4.68E-67	-0.57778	1	0.99835	1.22E-66	cyan	RPL6
6.79E-67	0.581992	0.474286	0.092409	1.76E-66	cyan	HOTAIRM1
6.98E-67	0.761162	0.971429	0.906038	1.80E-66	cyan	RHOA
1.51E-66	1.031885	0.902857	0.496861	3.86E-66	cyan	ARRB2
3.89E-66	1.09301	0.754286	0.27108	9.91E-66	cyan	NFKBIZ
5.01E-66	1.00257	0.931429	0.627677	1.27E-65	cyan	RNASSET2
5.14E-66	0.992606	0.851429	0.378891	1.30E-65	cyan	C1orf162
7.49E-66	0.909843	0.8	0.298906	1.88E-65	cyan	RNF149
1.11E-65	-0.85655	0.988571	0.992882	2.78E-65	cyan	RPL5
3.34E-65	0.980264	0.925714	0.538342	8.30E-65	cyan	SYNGR2
3.86E-65	-0.67659	0.994286	0.995632	9.56E-65	cyan	RPL14

4.56E-65	0.672079	0.508571	0.114347	1.12E-64	cyan	C9orf72
9.60E-65	-0.58681	1	0.999094	2.35E-64	cyan	RPS28
3.85E-64	1.052493	0.965714	0.649097	9.39E-64	cyan	HLA-DPA1
9.13E-64	-0.72332	0.982857	0.995438	2.22E-63	cyan	RPL15
1.88E-62	0.822522	0.697143	0.23057	4.56E-62	cyan	ZFAND5
2.59E-62	1.016978	0.977143	0.605869	6.23E-62	cyan	S100A10
3.07E-62	0.509453	0.371429	0.060506	7.36E-62	cyan	LRP1
3.47E-62	0.781248	0.84	0.3267	8.28E-62	cyan	FCGRT
4.18E-62	1.064649	0.788571	0.320229	9.93E-62	cyan	ADGRE5
9.68E-62	-1.38372	0.754286	0.919627	2.29E-61	cyan	NPM1
1.56E-61	0.891638	0.92	0.420339	3.67E-61	cyan	DUSP1
3.17E-61	0.915451	0.811429	0.325633	7.42E-61	cyan	SELPLG
3.32E-61	0.828122	0.988571	0.683977	7.75E-61	cyan	TSPO
8.91E-61	0.983808	0.862857	0.439235	2.07E-60	cyan	RNH1
2.83E-60	-1.44529	0.182857	0.813758	6.55E-60	cyan	CD99
6.31E-60	0.743268	0.56	0.140005	1.45E-59	cyan	GBP2
7.70E-60	0.998307	0.965714	0.579693	1.76E-59	cyan	HLA-DRB5
1.87E-59	-1.56941	0.354286	0.810069	4.26E-59	cyan	LDHB
2.14E-59	0.996107	0.931429	0.652074	4.85E-59	cyan	ALDOA
3.79E-59	0.719036	0.548571	0.145603	8.57E-59	cyan	ZNF385A
3.93E-59	-0.5555	1	0.999223	8.86E-59	cyan	RPL34
1.53E-58	0.576782	0.411429	0.083123	3.44E-58	cyan	SLC16A3
8.80E-58	-0.65103	0.988571	0.993852	1.96E-57	cyan	RPL36
1.87E-57	-0.98932	0.942857	0.966835	4.15E-57	cyan	EEF1B2
4.32E-57	0.7776	0.982857	0.806057	9.57E-57	cyan	GABARAP
7.77E-57	0.853482	0.811429	0.355303	1.71E-56	cyan	CTSB
1.08E-56	0.525775	0.422857	0.088429	2.36E-56	cyan	NADK
2.44E-56	0.879156	0.954286	0.637546	5.33E-56	cyan	TKT
5.36E-56	0.70279	0.497143	0.121756	1.17E-55	cyan	CDC42EP3
5.97E-56	0.77823	0.8	0.328092	1.29E-55	cyan	GRK2
6.28E-56	0.511412	0.394286	0.074128	1.36E-55	cyan	TNFAIP2
8.15E-56	-0.53888	1	0.999547	1.75E-55	cyan	RPL30
9.67E-56	-0.72054	0.937143	0.977318	2.07E-55	cyan	RPL13A
1.50E-55	0.578696	0.388571	0.07471	3.19E-55	cyan	ODF3B
1.72E-55	0.749139	0.634286	0.213551	3.66E-55	cyan	AP2A1
4.06E-55	1.188788	0.737143	0.353232	8.59E-55	cyan	CUX1
1.17E-54	-0.74312	0.88	0.967191	2.47E-54	cyan	RPL31
1.68E-54	1.498243	0.868571	0.472691	3.52E-54	cyan	MT2A
1.86E-54	0.763412	0.588571	0.177862	3.88E-54	cyan	NAAA
1.96E-54	0.642928	0.508571	0.123115	4.07E-54	cyan	RHOB
3.97E-54	-0.63351	0.988571	0.999029	8.23E-54	cyan	TPT1

1.03E-53	1.003188	0.817143	0.434641	2.13E-53	cyan	CMTM6
1.86E-53	0.541961	0.411429	0.087394	3.82E-53	cyan	RELT
1.90E-53	-0.65065	0.977143	0.983725	3.89E-53	cyan	RPL35
2.07E-53	0.706115	0.994286	0.968712	4.22E-53	cyan	SH3BGRL3
2.16E-53	0.797602	1	0.826571	4.39E-53	cyan	SRGN
3.24E-53	-0.66503	0.628571	0.150165	6.56E-53	cyan	S100A8
5.44E-53	0.518856	0.44	0.100692	1.10E-52	cyan	PIK3AP1
5.66E-53	0.592723	0.502857	0.126577	1.14E-52	cyan	ARAP1
7.68E-53	0.753645	0.577143	0.182715	1.54E-52	cyan	C15orf39
1.40E-52	0.835671	0.737143	0.302854	2.80E-52	cyan	RGS19
2.05E-52	0.59739	1	0.979616	4.07E-52	cyan	PFN1
2.29E-52	0.665585	0.474286	0.117356	4.53E-52	cyan	DPEP2
3.24E-52	-0.51518	0.8	0.247848	6.37E-52	cyan	LYZ
5.90E-52	-0.67166	0.914286	0.969715	1.16E-51	cyan	RPL27
7.45E-52	0.879559	0.72	0.304213	1.46E-51	cyan	VASP
7.49E-52	0.81665	0.971429	0.639164	1.46E-51	cyan	HLA-DRB1
7.96E-52	-0.55765	0.982857	0.993367	1.55E-51	cyan	RPL22
1.13E-51	-0.85122	0.988571	0.994629	2.19E-51	cyan	RPS27
1.85E-51	-0.91899	0.914286	0.958325	3.56E-51	cyan	HNRNPA1
2.40E-51	0.772391	0.954286	0.868504	4.60E-51	cyan	ARPC2
6.56E-51	0.852928	0.651429	0.241086	1.25E-50	cyan	INSIG1
3.01E-50	-0.56526	0.971429	0.99314	5.73E-50	cyan	RPS16
8.30E-50	0.769511	0.925714	0.584708	1.58E-49	cyan	ATP6V0B
1.01E-49	-0.936	0.811429	0.915777	1.90E-49	cyan	HINT1
1.11E-49	0.804538	0.908571	0.646897	2.10E-49	cyan	FKBP1A
3.15E-49	0.628567	0.617143	0.179221	5.91E-49	cyan	DOK2
6.45E-49	0.606979	0.731429	0.257523	1.21E-48	cyan	MYO1F
1.02E-48	0.749872	0.925714	0.690254	1.90E-48	cyan	GNG5
1.98E-48	0.695415	0.702857	0.269656	3.67E-48	cyan	TNFSF13B
3.41E-48	-0.51147	0.988571	0.994046	6.31E-48	cyan	RPL24
3.59E-48	0.761183	0.72	0.300621	6.62E-48	cyan	RAB24
8.38E-48	0.843468	0.88	0.583058	1.54E-47	cyan	ARPC5
1.99E-47	0.583535	0.994286	0.99877	3.64E-47	cyan	TMSB10
3.08E-47	0.654081	0.651429	0.216722	5.61E-47	cyan	RGS2
3.20E-47	0.553675	0.445714	0.117291	5.81E-47	cyan	NAGA
8.94E-47	0.761408	0.794286	0.343526	1.62E-46	cyan	PLEK
4.67E-46	0.757181	0.76	0.339546	8.43E-46	cyan	PTP4A2
6.26E-46	0.731135	0.948571	0.756487	1.13E-45	cyan	HIGD2A
1.32E-45	0.697948	0.874286	0.530835	2.37E-45	cyan	SEC11A
1.84E-45	0.697273	0.628571	0.237559	3.30E-45	cyan	SEC14L1
2.30E-45	0.746822	0.948571	0.642367	4.09E-45	cyan	ITGB2

1.06E-44	0.69601	0.714286	0.31282	1.88E-44	cyan	ATP6V0D1
1.54E-44	0.56148	0.514286	0.142755	2.72E-44	cyan	JAML
1.89E-44	0.776675	0.765714	0.355659	3.34E-44	cyan	MYO1G
3.43E-44	0.725608	0.514286	0.161878	6.02E-44	cyan	CNIH4
3.87E-44	0.62798	0.748571	0.268686	6.77E-44	cyan	IL10RA
6.65E-44	-0.65875	0.965714	0.966253	1.16E-43	cyan	RPL4
8.68E-44	0.538119	0.417143	0.111402	1.51E-43	cyan	ARRB1
8.69E-44	0.796706	0.828571	0.428622	1.51E-43	cyan	ZEB2
9.75E-44	0.555977	0.422857	0.108361	1.68E-43	cyan	PTPN18
2.78E-43	0.55571	0.497143	0.141332	4.79E-43	cyan	EVI2B
4.73E-43	0.606015	0.582857	0.195981	8.13E-43	cyan	ZYX
4.82E-43	0.756193	0.965714	0.706821	8.25E-43	cyan	ZFP36
2.13E-42	0.771403	0.668571	0.298874	3.64E-42	cyan	RAB10
3.03E-42	0.566212	0.462857	0.132401	5.14E-42	cyan	RARA
4.05E-42	-0.54075	0.982857	0.992688	6.86E-42	cyan	RACK1
5.73E-42	0.74346	0.691429	0.328642	9.68E-42	cyan	MAPKAPK3
5.98E-42	0.849268	0.731429	0.360157	1.01E-41	cyan	VAMP5
1.13E-41	0.684945	0.708571	0.307416	1.89E-41	cyan	CSK
2.10E-41	0.757755	0.914286	0.614638	3.52E-41	cyan	PSMB9
2.35E-41	0.553619	0.588571	0.18841	3.91E-41	cyan	ITGAL
1.71E-40	-0.5985	0.977143	0.97075	2.84E-40	cyan	RPL7
2.34E-40	0.618133	0.514286	0.157089	3.87E-40	cyan	ADA2
3.83E-40	0.746756	0.748571	0.39261	6.32E-40	cyan	HSBP1
5.62E-40	-0.52666	0.982857	0.986637	9.25E-40	cyan	RPL21
1.23E-39	-1.45876	0.017143	0.566945	2.02E-39	cyan	CTSW
1.28E-39	0.71715	0.977143	0.785867	2.10E-39	cyan	CD52
4.47E-39	0.621825	0.72	0.320682	7.28E-39	cyan	GNAI2
4.80E-39	0.587674	0.548571	0.195205	7.80E-39	cyan	IMPDH1
2.01E-38	0.670504	0.92	0.709927	3.25E-38	cyan	HCLS1
2.02E-38	0.585354	0.977143	0.980619	3.26E-38	cyan	UBC
2.09E-38	0.584113	0.485714	0.158869	3.37E-38	cyan	NOTCH2
3.76E-38	-0.98481	0.245714	0.68553	6.04E-38	cyan	PEBP1
3.81E-38	0.603853	0.382857	0.10286	6.10E-38	cyan	MBD2
6.69E-38	0.849767	0.874286	0.649291	1.07E-37	cyan	LY6E
1.07E-37	0.666115	0.925714	0.694169	1.71E-37	cyan	LAMTOR4
1.23E-37	0.533127	0.405714	0.113926	1.94E-37	cyan	SNX10
2.58E-37	0.589071	0.971429	0.857147	4.08E-37	cyan	TPM3
3.19E-37	-1.33074	0.285714	0.779784	5.03E-37	cyan	JUN
8.71E-37	0.66095	0.971429	0.700835	1.37E-36	cyan	NAP1L1
1.33E-36	0.743965	0.68	0.316735	2.08E-36	cyan	SOD2
1.64E-36	0.568168	0.708571	0.31337	2.57E-36	cyan	AGTRAP

2.02E-36	0.619237	0.405714	0.124862	3.15E-36	cyan	ICAM4
2.75E-36	0.528536	0.394286	0.113117	4.27E-36	cyan	NUDT16
5.60E-36	0.58167	0.48	0.163107	8.67E-36	cyan	TNFSF13
5.78E-36	0.511003	0.468571	0.14845	8.91E-36	cyan	C11orf21
1.13E-35	0.654175	0.868571	0.536045	1.74E-35	cyan	FLNA
3.74E-35	0.737544	0.754286	0.418333	5.74E-35	cyan	CD55
3.82E-35	0.587748	0.782857	0.373164	5.84E-35	cyan	HERPUD1
5.12E-35	0.593528	0.742857	0.311396	7.81E-35	cyan	SAMHD1
1.47E-34	0.509193	0.565714	0.206724	2.23E-34	cyan	TSPAN14
1.91E-34	0.578093	0.502857	0.185045	2.90E-34	cyan	CD151
2.52E-34	-0.73027	0.828571	0.931243	3.82E-34	cyan	RPS29
3.11E-34	0.699769	0.628571	0.29085	4.69E-34	cyan	VMP1
5.11E-34	0.633563	0.594286	0.263347	7.67E-34	cyan	BLVRA
1.00E-33	0.699175	0.805714	0.502621	1.50E-33	cyan	LRRFIP1
4.67E-33	-0.85901	0.045714	0.539507	6.97E-33	cyan	ACAP1
7.54E-33	0.618979	0.64	0.291011	1.12E-32	cyan	MGAT1
9.07E-33	0.555863	0.565714	0.212548	1.35E-32	cyan	MVP
1.59E-32	0.58768	0.902857	0.738336	2.36E-32	cyan	CAPZB
1.90E-32	0.614438	0.96	0.803792	2.81E-32	cyan	LSP1
2.26E-32	0.618511	0.457143	0.162816	3.33E-32	cyan	PAK1
2.55E-32	0.526116	0.942857	0.749563	3.74E-32	cyan	PRR13
3.09E-32	0.560913	0.965714	0.819679	4.52E-32	cyan	CORO1A
3.10E-32	0.71049	0.88	0.640491	4.53E-32	cyan	TUBA1A
3.60E-32	0.58531	0.577143	0.244904	5.24E-32	cyan	RNF13
3.61E-32	0.653905	0.931429	0.651168	5.24E-32	cyan	HLA-DPB1
5.44E-32	0.711706	0.725714	0.398531	7.88E-32	cyan	POLD4
9.66E-32	0.519399	0.737143	0.366757	1.40E-31	cyan	GRN
1.05E-31	0.553599	0.577143	0.222999	1.51E-31	cyan	FMNL1
1.08E-31	0.692187	0.908571	0.689704	1.55E-31	cyan	PSME2
1.13E-31	0.632247	0.868571	0.605966	1.62E-31	cyan	DRAP1
2.02E-31	0.503301	0.514286	0.198829	2.88E-31	cyan	FAM45A
2.14E-31	0.629226	0.902857	0.739921	3.05E-31	cyan	ITM2B
3.14E-31	0.566423	0.68	0.327412	4.46E-31	cyan	ARPC1B
4.87E-31	-1.1173	0.125714	0.560053	6.90E-31	cyan	NUCB2
4.94E-31	0.512748	0.965714	0.795153	6.98E-31	cyan	CLIC1
5.68E-31	0.675692	0.862857	0.629554	8.01E-31	cyan	CAP1
9.41E-31	0.507294	0.514286	0.189284	1.32E-30	cyan	MIDN
1.34E-30	-0.96171	0.302857	0.68346	1.88E-30	cyan	GYPC
2.10E-30	0.592576	0.874286	0.653627	2.93E-30	cyan	MSN
2.13E-30	0.563439	0.445714	0.160131	2.97E-30	cyan	PDLIM5
5.40E-30	0.662517	0.754286	0.413318	7.51E-30	cyan	CYTIP

9.65E-30	0.562643	0.554286	0.22727	1.34E-29	cyan	IFNGR1
1.29E-29	0.58281	0.685714	0.366757	1.78E-29	cyan	C20orf27
1.44E-29	-0.55492	0.754286	0.881803	1.99E-29	cyan	SNRPD2
1.60E-29	0.536672	0.502857	0.201191	2.20E-29	cyan	HK1
1.88E-29	0.553539	0.925714	0.727626	2.57E-29	cyan	LCP1
2.17E-29	0.651309	0.834286	0.48311	2.98E-29	cyan	GLUL
2.23E-29	-1.25089	0.034286	0.485181	3.05E-29	cyan	CD69
2.43E-29	-0.88415	0.885714	0.920274	3.30E-29	cyan	HMGB1
2.79E-29	-0.60911	0.834286	0.889698	3.79E-29	cyan	RPL27A
5.58E-29	0.527216	0.942857	0.738821	7.56E-29	cyan	TPI1
1.08E-28	-1.11261	0.182857	0.575422	1.46E-28	cyan	SELL
1.14E-28	0.609475	0.817143	0.535624	1.54E-28	cyan	PGLS
1.17E-28	-1.25444	0.177143	0.597683	1.57E-28	cyan	HIST1H4C
1.19E-28	0.620262	0.765714	0.487543	1.60E-28	cyan	MTPN
1.28E-28	-1.6909	0.051429	0.480166	1.70E-28	cyan	STMN1
1.32E-28	0.619746	0.834286	0.557529	1.76E-28	cyan	WAS
1.53E-28	-0.55031	0.868571	0.922216	2.03E-28	cyan	RPL38
2.50E-28	0.683777	0.64	0.326733	3.32E-28	cyan	BLOC1S1
2.75E-28	0.580698	0.594286	0.288876	3.64E-28	cyan	LGALS9
3.02E-28	-0.73523	0.674286	0.8278	3.98E-28	cyan	MIF
5.29E-28	0.554362	0.822857	0.522908	6.96E-28	cyan	CYBA
8.43E-28	0.601154	0.474286	0.197308	1.11E-27	cyan	P2RX1
1.12E-27	0.622877	0.742857	0.459975	1.47E-27	cyan	LTA4H
1.74E-27	0.5306	0.737143	0.40429	2.27E-27	cyan	LCP2
1.97E-27	-1.08752	0.034286	0.470556	2.57E-27	cyan	TRBC2
2.11E-27	-0.83324	0.12	0.553291	2.75E-27	cyan	PRDX2
3.00E-27	0.56373	0.822857	0.44548	3.90E-27	cyan	CD48
3.25E-27	0.606553	0.525714	0.232835	4.21E-27	cyan	AMPD2
4.60E-27	0.610693	0.897143	0.748269	5.94E-27	cyan	PGK1
4.84E-27	-0.66544	0.005714	0.429075	6.23E-27	cyan	OCIAD2
7.03E-27	0.562301	0.382857	0.134569	9.02E-27	cyan	IRAK3
7.52E-27	-0.71403	0.497143	0.78412	9.63E-27	cyan	C12orf57
8.83E-27	0.56404	0.542857	0.23785	1.13E-26	cyan	RABGAP1L
2.08E-26	0.553551	0.645714	0.324274	2.65E-26	cyan	REEP5
3.22E-26	0.618742	0.902857	0.738659	4.10E-26	cyan	CALM2
3.24E-26	-0.51169	0.937143	0.966835	4.11E-26	cyan	EEF2
4.64E-26	0.511231	0.937143	0.74691	5.87E-26	cyan	PTPRC
6.54E-26	0.560486	0.668571	0.365948	8.26E-26	cyan	PARVG
1.85E-25	0.53114	0.76	0.418527	2.33E-25	cyan	IQGAP1
1.93E-25	0.508872	0.674286	0.362324	2.42E-25	cyan	OSTF1
2.01E-25	-0.93186	0.937143	0.965444	2.52E-25	cyan	RPS26

2.99E-25	-0.79168	0.011429	0.415162	3.74E-25	cyan	RHOH
3.71E-25	0.524332	0.48	0.200608	4.62E-25	cyan	CAPNS1
6.05E-25	-0.85556	0.04	0.442277	7.52E-25	cyan	1-Sep
6.47E-25	-0.83513	0.794286	0.86941	8.03E-25	cyan	HSP90AB1
7.30E-25	0.618498	0.514286	0.225458	9.04E-25	cyan	ISG15
8.73E-25	0.553624	0.605714	0.305701	1.08E-24	cyan	ERICH1
9.41E-25	-0.80472	0.822857	0.892966	1.16E-24	cyan	RPS2
2.02E-24	0.640058	0.617143	0.349511	2.48E-24	cyan	ATG3
4.13E-24	0.523497	0.662857	0.339643	5.06E-24	cyan	GLIPR1
4.64E-24	0.513255	0.411429	0.161522	5.67E-24	cyan	ATP6V1B2
8.13E-24	0.538853	0.577143	0.268847	9.93E-24	cyan	UTRN
9.72E-24	0.535617	0.834286	0.576458	1.18E-23	cyan	ATP6V0E1
1.09E-23	-1.35574	0.022857	0.412088	1.32E-23	cyan	CD7
2.47E-23	-0.69354	0.017143	0.405973	2.99E-23	cyan	ITM2A
3.42E-23	0.603902	0.588571	0.291432	4.13E-23	cyan	ATP2B1
9.28E-23	-0.64161	0	0.372225	1.12E-22	cyan	BEX3
1.12E-22	0.502682	0.788571	0.53818	1.35E-22	cyan	AP2S1
1.54E-22	-0.92787	0	0.369475	1.85E-22	cyan	AC084033.3
2.00E-22	0.565319	0.617143	0.334595	2.40E-22	cyan	GLRX
5.61E-22	-1.74984	0.045714	0.403352	6.70E-22	cyan	CD3E
8.26E-22	-0.50374	0.794286	0.888598	9.85E-22	cyan	PCBP2
1.45E-21	0.515449	0.697143	0.436582	1.72E-21	cyan	VPS29
2.96E-21	0.536719	0.8	0.553161	3.52E-21	cyan	STK17B
5.82E-21	-0.6008	0.565714	0.766421	6.89E-21	cyan	PNISR
7.29E-21	-0.86833	0.011429	0.361548	8.62E-21	cyan	ITM2C
8.57E-21	0.505939	0.542857	0.276063	1.01E-20	cyan	PCGF5
1.28E-20	-0.59471	0.731429	0.811461	1.51E-20	cyan	NCL
2.09E-20	-0.61967	0.36	0.647738	2.45E-20	cyan	HMGN1
3.78E-20	-0.69327	0.308571	0.577493	4.43E-20	cyan	APEX1
6.84E-20	0.527691	0.788571	0.582411	7.99E-20	cyan	ARL6IP5
1.08E-19	-0.71682	0.148571	0.499547	1.26E-19	cyan	ANXA6
1.49E-19	-0.72368	0.142857	0.497929	1.74E-19	cyan	AES
3.41E-19	-1.16849	0.011429	0.337766	3.96E-19	cyan	PRSS57
3.64E-19	-1.93615	0.068571	0.389989	4.22E-19	cyan	IL32
8.37E-19	-0.63175	0.468571	0.663949	9.67E-19	cyan	SNHG8
1.30E-18	-0.52232	0	0.317802	1.50E-18	cyan	ARMH1
1.32E-18	-0.527	0.531429	0.746845	1.52E-18	cyan	RPL17
1.64E-18	-0.55979	0.685714	0.785867	1.89E-18	cyan	EIF3E
2.47E-18	-0.58555	0.451429	0.686792	2.83E-18	cyan	6-Sep
2.83E-18	-0.6262	0.017143	0.335081	3.24E-18	cyan	SLC38A1
4.36E-18	0.530064	0.691429	0.45276	4.98E-18	cyan	SDCBP

5.17E-18	-1.10582	0.011429	0.321167	5.88E-18	cyan	CD3D
8.12E-18	-0.50708	0.08	0.414741	9.22E-18	cyan	ZNF22
9.34E-18	-0.57436	0.177143	0.490326	1.06E-17	cyan	NOP58
1.13E-17	0.503843	0.714286	0.47926	1.27E-17	cyan	NOP10
1.35E-17	-0.92199	0.011429	0.321459	1.52E-17	cyan	LCK
1.58E-17	0.537535	0.497143	0.238886	1.78E-17	cyan	ATP2B1-AS1
1.66E-17	-0.55208	0.331429	0.608393	1.87E-17	cyan	FBL
5.48E-17	-0.82259	0.234286	0.49039	6.15E-17	cyan	IMPDH2
7.61E-17	0.575832	0.697143	0.43655	8.51E-17	cyan	ZFP36L1
7.83E-17	0.541034	0.697143	0.494305	8.74E-17	cyan	WSB1
1.75E-16	-0.80747	0.011429	0.305183	1.95E-16	cyan	SPOCK2
2.90E-16	-0.55032	0.051429	0.353006	3.22E-16	cyan	CD82
2.90E-16	-0.61147	0	0.284281	3.22E-16	cyan	FAM30A
2.92E-16	-0.51309	0.205714	0.511454	3.23E-16	cyan	ABHD14B
4.95E-16	-0.61626	0	0.280852	5.46E-16	cyan	CD34
6.07E-16	-0.56444	0.291429	0.574322	6.69E-16	cyan	NUCKS1
1.06E-15	-0.81826	0.017143	0.295574	1.16E-15	cyan	FCMR
2.10E-15	-0.52551	0.062857	0.356889	2.30E-15	cyan	ATF7IP2
3.56E-15	-1.49398	0.022857	0.298292	3.89E-15	cyan	CST7
5.39E-15	-1.37733	0.022857	0.291594	5.89E-15	cyan	IL7R
9.06E-15	-0.73818	0	0.261761	9.88E-15	cyan	SMIM24
9.82E-15	-0.64934	0.125714	0.402317	1.07E-14	cyan	CDK6
1.01E-14	-0.51941	0.182857	0.454831	1.10E-14	cyan	PARP1
1.16E-14	-0.56035	0.057143	0.33398	1.26E-14	cyan	BIN1
1.72E-14	-0.64152	0.097143	0.372711	1.86E-14	cyan	FABP5
2.84E-14	-0.57609	0.04	0.307416	3.07E-14	cyan	EGFL7
6.28E-14	-0.65919	0.508571	0.683168	6.76E-14	cyan	HMGB2
6.43E-14	-0.65145	0.594286	0.719051	6.91E-14	cyan	CALR
7.82E-14	-0.73448	0.011429	0.262344	8.38E-14	cyan	HOPX
1.02E-13	-0.89878	0.005714	0.252766	1.09E-13	cyan	SPINK2
1.49E-13	-0.7132	0.011429	0.261826	1.59E-13	cyan	ALOX5AP
1.76E-13	-0.52975	0.28	0.513072	1.88E-13	cyan	CCT2
2.08E-13	-0.61875	0.022857	0.269365	2.21E-13	cyan	PRKCH
2.23E-13	-1.33335	0.011429	0.256973	2.37E-13	cyan	IGLL1
3.46E-13	-0.55854	0.011429	0.256746	3.66E-13	cyan	ABLIM1
4.84E-13	-0.61378	0.12	0.378794	5.12E-13	cyan	P2RY8
7.03E-13	-1.20169	0.08	0.331586	7.42E-13	cyan	AREG
7.19E-13	-0.83175	0.017143	0.253867	7.57E-13	cyan	GZMM
1.04E-12	-0.67255	0.034286	0.277357	1.09E-12	cyan	ZAP70
1.13E-12	-0.73218	0.017143	0.253122	1.19E-12	cyan	CD3G
1.20E-12	-0.61408	0.028571	0.267165	1.25E-12	cyan	LBH

1.30E-12	-0.56461	0.44	0.588397	1.36E-12	cyan	TXN
2.48E-12	-0.63617	0.514286	0.674465	2.58E-12	cyan	HSPA5
4.29E-12	-0.54007	0.074286	0.317964	4.46E-12	cyan	RNF125
9.30E-12	-0.63562	0.062857	0.296124	9.65E-12	cyan	CLEC11A
1.48E-11	-0.54833	0.051429	0.278878	1.53E-11	cyan	MGAT4A
1.67E-11	-0.53912	0.091429	0.324468	1.72E-11	cyan	MCM7
2.26E-11	-0.607	0.36	0.531094	2.33E-11	cyan	HSPD1
8.04E-11	-0.54181	0.051429	0.267974	8.28E-11	cyan	LAT
2.16E-10	-0.67215	0.331429	0.557173	2.22E-10	cyan	DNAJB1
3.10E-10	-0.73143	0.422857	0.605546	3.18E-10	cyan	CXCR4
3.70E-10	-0.85887	0.217143	0.422831	3.78E-10	cyan	TNFAIP3
1.17E-09	-0.52166	0.08	0.292726	1.19E-09	cyan	HIST1H1C
4.53E-09	-0.74356	0.194286	0.393807	4.62E-09	cyan	SOX4
6.04E-09	-0.66539	0.217143	0.413124	6.14E-09	cyan	DDIT4
7.42E-09	-0.57968	0.4	0.538795	7.54E-09	cyan	DUT
2.40E-08	-0.58875	0.268571	0.477189	2.43E-08	cyan	HIST1H1E
6.36E-08	-0.97457	0.451429	0.57361	6.44E-08	cyan	IFITM1
9.38E-08	-0.5736	0.222857	0.406847	9.47E-08	cyan	SLC2A3
3.66E-06	-0.55504	0.16	0.292144	3.69E-06	cyan	PIK3IP1
5.33E-06	-0.58673	0.285714	0.446904	5.36E-06	cyan	AL138963.3
0.00546	-0.92755	0.405714	0.396428	0.005482	cyan	LTB
0.013491	-1.73299	0.245714	0.305734	0.013517	cyan	NKG7

Sup. Tab. 5: DE genes bone marrow