Supplementary Information

а



Supplementary Fig. 1 KDM6B is highly expressed in human neuroblastoma. a The expression of KDM6B from different cancer lineages. The RNA-seq data was downloaded from https://portals.broadinstitute.org/ccle. Y-axis represents the Fragment Per Kilobase of transcript per Million (FPKM) mapped reads. Sample size for each type of cancer lineage is indicated in bracket of xaxis. Data are represented as mean \pm SD. **b** The expression of *KDM6B* from different cancer lineages. The RNA-seq data was downloaded from https://pecan.stjude.cloud. Y-axis represents the Fragment Per Kilobase of transcript per Million (FPKM) mapped reads. Each dot represents one tumor sample. X-axis indicates the tumor types. N=20 for ACT (Adrenocortical tumor), n=306 for AML (Acute myeloid leukemia), n=531 for BALL(B-cell acute lymphoblastic leukemia), n=27 for CPC (Choroid plexus carcinoma), n=82 for HGG (High-grade glioma), n=78 for LGG (Low-grade glioma), n=9 for MB (Medulloblastoma), n=8 for MEL (Merkel cell carcinoma), n=24 for MLL (Mixed-lineage leukemia),

n=160 for NBL (Neuroblastoma), n=107 for OS (Osteosarcoma), n=45 for RHB (Rhabdomyosarcoma), n=264 for TALL (T-cell acute lymphoblastic leukemia), n=125 for WML (Wilm's tumor). Data are represented as mean \pm SD.

	HH DNAH2			
		TMEMSS -	KDM6A(>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	
RNA POLII BRD4		An and the second se		
H3K27Ac		And the second second		
H3K9/K14Ac H3K4me1				
H3K4me2				
H3K4me3				
H3K27me3	N			
H3K9me3			nna ann ann ann ann ann aite dhaon a' much ain dhun nà much ann an ann ann ann ann ann ann ann ann	
Input				
				(0)
RNA Pol II				
BRD4 H3K27Ac				
H3K9/K14Ac				
H3K4me1 H3K4me2			k	
H3K4me3	11-11-14			
H3K36me3		A LANK OF AMERICAN AND A LANK OF A L	a na ann an a	
H3K9me3			and all a second s	
CTCF				
mpar				P
			1	0 ₀₂ Г
BRD4	Tech full (tech in addition ())			
H3K27Ac		and the second s		Ξ50 ^μ
H3K9/K14Ac H3K4me1				$ 150 \frac{9}{20} $
H3K4me2		Abilità Alaithti		
H3K4me3 H3K36me3				
H3K27me3				
H3K9me3 CTCF	de s			
Input				20 ਵੱ
				2 so S
BRD4		and a state of the	anna annana ao shara ana an anna an anna anna anna anna	→ 50 Z □ 50 Z
H3K27Ac		AND A AND A AND A AND A	1	150 0
H3K9/K14AC H3K4me1	, lu			120 3 150 7
H3K4me2				
H3K4me3 H3K36me3				
H3K27me3				····· · · · · · · · · · · · · · · · ·
H3K9me3 CTCF			талканан алганалык кызгаларын бараталарын жарарын көлүнөн көлүнөн каларын каларын каларын каларын калары. Алган	
Input				
		and the second		130 <u>2</u>
H3K27Ac		n han a na hanna talaka kana alaka kana ana ana ana ana ana ana ana ana		
H3K9/K14Ac		A Man A AL MA AL	<u>i</u> i	120 047
H3K4me2		All the Bark Bark		
H3K4me3		MALL MALL AA		
H3K27me3	and the second of	n a tao ao aminina mandrida ao aminina dia 2008 Milanda aminina dia kaominina dia kaominina dia kaominina dia k Mandrida dia mampina dia kaominina dia kaominina dia kaominina dia kaominina dia kaominina dia kaominina dia kao		
H3K9me3		A		
Input		an an ann an tha an tha an an tha an an tha an an an an an an an an		· · · · · □20 –

Supplementary Fig. 2 Epigenetic landscape of KDM6A, KDM6B and UTY. The epigenetic landscapes consisting of histone marks and transcription factor binding distinguish KDM6B from KDM6A and UTY in primary neuroblastoma tissues with *MYCN* amplification (SJNBL046, SKNBL013762, SJNBL013763), without *MYCN* amplification (SJNBL013761), or with *ATRX* mutation (SJNBL047443).



Supplementary Fig. 3 KDM6B regulates MYC expression. a, b The DEMETER2 score of an RNAi screen across 25 cancer lineages. DEMETER2 is a model that scores gene dependencies in 712 cancer cell lines that have been evaluated in three different large-scale pooled RNAi screens (DepMap.org). The y-axis represents DEMETER2 score. The x-axis indicates cancer lineages. Each dot represents one cancer cell line. N= 15 for bone, n=55 for brain, n=77 for breast, n=3 for cervical, n=46 for colorectal, n=20 for uterine, n=24 for esophagus, n=3 for eye, n= 26 for gastric, n=19 for head and neck, n=28 for kidney,

n=34 for leukemia, n=18 for liver, n=134 for lung, n=11 for lymphoma, n=16 for myeloma, n=9 for neuroblastoma, n=37 for ovarian, n=32 pancreatic, n=7 for prostate, n=10 for rhabdoid, n=14 for sarcoma, n=46 for skin, n=5 for thyroid. The red bar represents the mean \pm SD value of DEMETER2 score. **c-f** Western blot analysis with indicated antibodies to assess MYCN or C-MYC expression after 3-day transfection of 2 different siRNAs to knockdown KDM6B in neuroblastoma cell lines. **g** Western blot analysis with indicated antibodies after BE2C cells are transduced with MSCV-KDM6B. **h** BE2C cells and KDM6B overexpressing cells were seeded at equal numbers in a 6-well plate. 5 days later, cells were stained with crystal violet. **i-l** Western blot analysis with indicated antibodies to assess MYCN or C-MYC expression after 3-day transfection of 2 different siRNA to knockdown KDM6B in lung adenocarcinoma A549 (**i**), osteosarcoma U2OS (**j**), colorectal HCT116 (**k**) and p53 null isogenic HCT116 cells (**l**). The blots are representative of three independent experiments in **c**, **d**, **e-g**, **i-l**.



Supplementary Fig. 4 GSEA analyses for KELLY, SK-N-FI and SK-N-AS cells. (**a**, **c**, **e**) Quantitative comparison of all chemical and genetic perturbation gene sets from the MSigDB by gene set enrichment analysis (GSEA) for reduced (left) and increased (right) expression of global genes caused by KDM6B knockdown in KELLY (**a**), SK-N-FI (**c**) and SK-N-AS (**e**) cell lines. Data are presented as a scatterplot of normalized p value (right y-axis)/false discovery q value (left y-axis) vs normalized enrichment score

(NES))(x-axis) for each evaluated gene set. The gene sets circled in red color indicate cell cycle, pRB-E2F and MYC pathway gene sets. P value calculated by one-sided Fisher's exact test. The FDR is calculated by comparing the distribution of normalized enrichment scores from many different genesets. (**b**, **d**, **f**) Representative GSEA samples for Kelly (**b**), SK-N-FI (**d**) and SK-N-AS (**f**). P value calculated by one-sided Fisher's exact test. The FDR is calculated by comparing the distribution of normalized enrichment scores from many different genesets.



Supplementary Fig. 5 Profiling of GSK-J1 and GSK-J4 against KDMs. a GSK-J1, as a selective KDM6 inhibitor, is unable to penetrate cells. To make a cell-permeable inhibitor, GSK-J1 was modified by adding an ester (named as GSK-J4) specifically to enable efficient intracellular delivery of the compound. Once entering cells, GSK-J4 converts to GSK-J1 for inhibiting KDM6. **b**, **c** AlphasLISA applied to tests the inhibitory activity of GSK-J1 and GSK-J4 against purified KDMs in vitro, to validate the GSK-J1 selectivity against KDMs. 0.1 μ M of GSK-J1 for KDM6A and KDM5A, and 0.3 μ M of GSK-J1 for KDM6B. n=2 for each KDM. Data are represented as mean \pm SD. **d** SK-N-AS cells were treated with GSK-J4 at 2.5 μ m for 48 hours. Cell lysates were subject to immunoblotting with indicated antibodies. The blots are representative of three independent experiments. **e** SK-N-AS, SK-N-SH and NB-1691 cells treated with 40 μ M of KDM5-C70 for 72 hours were subject to immunoblotting with indicated antibodies. The blots are representative of three independent experiments.



Supplementary Fig. 6 GSK-J4 targets MYC expression. a Crystal violet staining of colonies after neuroblastoma cell lines and human normal fibroblast HS68 cells were treated with different concentrations of GSK-J4 for 7 days. **b-d** Western blot analysis with indicated antibodies to assess MYCN or C-MYC and H3K27me3 expression after 48-hour treatment with GSK-J4 of BE2C (**b**), CHLA20 (**c**) and SKNAS cells (**d**). The blots are representative of three independent experiments.



Supplementary Fig. 7 GSK-J4 inhibits E2F pathways. GSEA scores for the significant differentially expressed genes (downregulated and upregulated) induced by GSK-J4 in LAN5 and SK-N-FI cells⁴¹ that were analyzed using GSEA online program (https://www.gsea-msigdb.org/gsea/msigdb/annotate.jsp) for pathway enrichment in database CGP: chemical and genetic perturbations. Red color indicates the gene sets of Rb1-E2F and cell cycle. P value calculated by one-sided Fisher's exact test.



Supplementary Fig. 8 E2F signature is associated with GSK-J4 sensitivity. a The GSEA heatmap shows the top 50 genes highly expressed in GSK-J4 sensitive (group A) vs resistant (group B), after analysis of data which was extracted from The Cancer Therapeutics Response Portal (CTRP). **b-d** GSEA show that genes highly expressed in GSK-J4 sensitive (group A) cells are enriched with MYC gene sets. P value calculated by one-sided Fisher's exact test. The FDR is calculated by comparing the distribution of normalized enrichment scores from many different genesets. **e-g** The Pearson correlation (two-tailed) of GSK-J4 with expression of E2F target genes, ASF1B(**e**), CDK2 (**f**), E2F1 (**g**), analyzed by using the online program https://discover.nci.nih.gov/cellminercdb/.



Supplementary Fig. 9. GSEA analysis of differentially altered chromatin accessibility regions against the gene expression data based on RNA-seq at 48h treatment by GSK-J4. P value calculated by one-sided Fisher's exact test. The FDR is calculated by comparing the distribution of normalized enrichment scores from many different genesets.



Supplementary Fig. 10. The ATAC-seq analysis of *MYCN* and cell cycle genes (*CCNE1*, *BUB1*, *BIRC5*, *AURKB*, *CDKN1A*) shows the alterations of DNA accessibility at their promoter and distal enhancer regions by GSK-J4 treatment for 24h and 48h. RNA-seq data analysis shows the RNA reads effected by GSK-J4 treatment for 24h and 48h.



Supplementary Fig. 11. Impact of epigenetic marks by KDM6B inhibition. a, b Volcano plot showing differential peaks of H3K27me3 (**a**) and H3K4me1 (**b**) induced by KDM6B knockdown and GSK-J4 treatment of BE2C cells. The yellow color highlights the super-enhancer region of *MYCN*, GACAT3 locus. The y-axis indicates p value. The x-axis indicates fold change. The p-value is obtained from the limma moderated t-statistic, two-sided. **c** Pie plot showing the percentage of H3K27me3 upregulated by KDM6B inhibition and global H3K4me1 at distinct genomic regions.

DMSO GSK-J4 DMSO GSK-J4 Kd Kd MYCN EZH2 98 50 β-Actin 37 β-Actin 37 SUZ12 H3K27Ac 15 75 37β-Actin 15 H3K27me3 H3K4me3 15 EED 50 15 H3K4me1 β-Actin 37 50 Total H3 DMSO GSK-J4 b С NID2 STARD8 Enrichment plot: STEGMAIER_EZH2_37GENE_JCI NPR1 NEK6 0.0 Enrichment score (ES) TCF7 -0.1 PRKC -0.2 PRRX1 MAPKAPK -0.3 CAMK2N2 -0.4 TRH -0.5 JPH3 p=0.01 -0.6 RAB3: ZNF46 -0.7 WASF3 IGFBP3 STX7 FBX044 Ranked list metric (Signal2Noise) NRIP3 ETNK2 4 GSK-J4 (48h) DMSO CD33 2 ARNTI 0 ro cross at 4875 PRNP -2 S100A1 STX3 -4 '2' (negatively correlated) CRLF: 10,000 20,000 30,000 40,000 50,000 KCTD1 Rank in Ordered Dataset HCN4 Enrichment profile — Hits Ranking metric scores KIRRE

a

Supplementary Fig. 12 GSK-J4 downregulates the expression of PRC2 complex. a Western blot analysis with indicated antibodies to assess PRC2 complex, MYCN and histone modification mark expression after 48-hour treatment with 2.5µM of GSK-J4 of BE2C. The blots are representative of three independent experiments. b GSEA analysis of EZH2 signature against the gene expression data based on RNA-seq at 48h treatment by GSK-J4. P value calculated by one-sided Fisher's exact test. **c** Heatmap of the 37-gene signature from **c**.

16



Supplementary Fig. 13 Common genes done regulated and upregulated by palbociclib. Four neuroblastoma cells lines were treated with palbociclib for RNA-seq. The differentially expressed genes in each cell line were analyzed by using Venn program to find the commonly upregulated (a) or downregulated genes (b)



Supplementary Fig. 14 KDM6 inhibition is synergistic with non-CDK4/6 inhibitors. a BE2C cells were seeded with low numbers in 6-well plate and treated with different concentrations of GSK-J4 or/and 17-DMAG for 7 days. The cell colonies were stained with crystal violet. **b** Bliss index for combination of GSK-J4 and 17-DMAG in BE2C cells. Positive scores indicate synergy, negative scores indicate antagonism. **c** BE2C cells were seeded with low numbers in 6-well plate and treated with different concentrations of GSK-J4 or/and JQ-1 for 7 days. The cell colonies were stained with crystal violet. **d** Bliss index for combination of GSK-J4 and JQ-1 in BE2C cells. Positive scores indicate synergy, negative scores indicate antagonism. **f** Bliss index for combination of

GSK-J4 and 17-DMAG in SK-N-AS cells. Positive scores indicate synergy, negative scores indicate antagonism. **g** Bliss index for combination of GSK-J4 and JQ-1 in SK-N-AS cells. Positive scores indicate synergy, negative scores indicate antagonism.



Supplementary Fig. 15 Kaplan-Meier curve using Log-Rank method shows the event-free survival and overall survival of clusters 3 and 4 with stage 4 disease.

Supplementary Table 1. Cell lines related to Fig. 3b.

	KYSE30_OESOPHAGUS
	TUHR14TKB_KIDNEY
	BICR56_UPPER_AERODIGESTIVE_TRACT
	HS940T_FIBROBLAST
	HS688AT_FIBROBLAST
	KMRC3_KIDNEY
	KG1C_CENTRAL_NERVOUS_SYSTEM
Resistant cells	HS822T_FIBROBLAST
	KASUMI2_HAEMATOPOIETIC_AND_LYMPHOID_TISSUE
	HGC27_STOMACH
	KYM1_SOFT_TISSUE
	COV434_OVARY
	DMS53_LUNG
	A204_SOFT_TISSUE
	KMBC2_URINARY_TRACT
	T84_LARGE_INTESTINE
	MDAMB453_BREAST
	DMS114_LUNG
	KE39_STOMACH
	SKNBE2_AUTONOMIC_GANGLIA
Sensitive cells	SNU216_STOMACH

Supplementary Table 2. Transcription factor motif (TFT) for group A cells in Fig. 3b.

Gene set enrichment scores analyzed by GSEA program. ES= enrichment score, NES = normalized enrichment score, NOM P-val = nominal p value. FDR =false discovery rate. P value calculated by one-sided Fisher's exact test. The FDR is calculated by comparing the distribution of normalized enrichment scores from many different genesets.

	Gene sets	ES	NES	NOM p-val	FDR q-val
1	E2F_Q3	-0.73	-2.27	0	0
2	E2F_Q4_01	-0.74	-2.24	0	0
3	E2F_Q6_01	-0.71	-2.24	0	0
4	E2F1_Q6	-0.77	-2.23	0	0
5	E2F1_Q3	-0.76	-2.23	0	0
6	E2F1_Q4_01	-0.72	-2.23	0	0
7	E2F1_Q6_01	-0.76	-2.22	0	0
8	E2F_Q3_01	-0.72	-2.22	0	0
9	SGCGSSAAA_E2F1DP2_01	-0.78	-2.21	0	0
10	E2F1DP1_01	-0.75	-2.21	0	0
11	E2F1DP2_01	-0.75	-2.21	0	0
12	E2F4DP2_01	-0.75	-2.21	0	0
13	E2F4DP1_01	-0.75	-2.21	0	0
14	E2F_03	-0.72	-2.21	0	0
15	E2F_Q6	-0.76	-2.21	0	0
16	E2F_02	-0.75	-2.2	0	0
17	E2F_Q4	-0.75	-2.19	0	0
18	E2F1DP1RB_01	-0.73	-2.19	0	0
19	KTGGYRSGAA_UNKNOWN	-0.71	-2.17	0	0
20	E2F_01	-0.76	-2.15	0	0
21	E2F1_Q4	-0.66	-2.11	0	0

Supplementary Table 3. Transcription factor binding motif enrichment for neuroblastoma cells sensitive to GSK-J4. Gene set enrichment scores analyzed by GSEA program. ES= enrichment score, NES = normalized enrichment score, NOM P-val = nominal p value. FDR =false discovery rate. P value calculated by one-sided Fisher's exact test. The FDR is calculated by comparing the distribution of normalized enrichment scores from many different genesets.

	Gene Sets	NES	NOM p-val	FDR q-val
1	E2F_Q6	1.89019	0.00000	0.00000
2	E2F_Q4	1.86916	0.00000	0.00112
3	E2F4DP2_01	1.84061	0.00000	0.00075
4	E2F_02	1.83652	0.00000	0.00112
5	E2F1DP1_01	1.83527	0.00000	0.00090
6	E2F1_Q6	1.83142	0.00000	0.00075
7	E2F1DP2_01	1.83124	0.00000	0.00064
8	E2F1_Q3	1.82484	0.00000	0.00056
9	E2F1DP1RB_01	1.80926	0.00000	0.00050
10	E2F4DP1_01	1.80680	0.00000	0.00045
11	E2F_Q3_01	1.80364	0.00000	0.00041
12	E2F_03	1.79745	0.00000	0.00064
13	SGCGSSAAA_E2F1DP2_01	1.79145	0.00000	0.00076
14	E2F1_Q4_01	1.77454	0.00000	0.00125
15	E2F_Q4_01	1.77275	0.00000	0.00117
16	E2F_Q6_01	1.71608	0.00000	0.00258
17	E2F1_Q6_01	1.67011	0.00000	0.00468
18	E2F_Q3	1.66943	0.00000	0.00448
19	KRCTCNNNNMANAGC_UNKNOWN	1.63733	0.00184	0.00603
20	NRF1_Q6	1.55445	0.00000	0.01859
21	NRSF_01	1.54447	0.00000	0.01968
22	TMTCGCGANR_UNKNOWN	1.52952	0.00000	0.02146
23	CAGNWMCNNNGAC_UNKNOWN	1.52403	0.00000	0.02186
24	ACTAYRNNNCCCR_UNKNOWN	1.51553	0.00000	0.02396
25	MCAATNNNNNGCG_UNKNOWN	1.51439	0.00372	0.02336

Supplementary Table 4. Genes downregulated by KDM6B KD related to Fig. 6a.

	log 2 (FC)	Description	log 2 (FC)	Description	log 2 (FC)	Description	log 2 (FC)	Description	log 2 (FC)	Description	log 2 (FC)
DBH	2.321632	TK1	1.137371	ASAP1	0.964286	HMBS	0.864758	B3GALT2	0.783497	HPRT1	0.732571
FAM111B	2.211132	NCS1	1.137318	BNIP3	0.9637785	COL6A6	0.8639975	DLL3	0.7830965	CAMKK1	0.731661
ADGRG2	2.060494	TAGLN2	1.1365735	RFK	0.963643	ST3GAL4	0.86233	KCNA3	0.782769	SLC2A6	0.7314655
RTL1	1.950828	PPP1R16B	1.135968	LRRTM1	0.9628975	PSMD11	0.8599885	ZFP36	0.782336	CIART	0.7305685
CD9	1.925528	NETO2	1.135297	LGR5	0.96257	SLC2A6	0.859512	GTSE1	0.782211	CBWD6	0.7292315
OAS1	1.8900065	MID1	1.1349535	RHOB	0.9624545	EBAG9	0.859349	GP1BB	0.781957	RFC2	0.7288095
GNL2	1.836948	S1PR1	1.133851	SLIT3	0.9622515	SYT9	0.859347	CCP110	0.781763	ITGA9	0.7288065
KDM6B	1.8246645	ESCO2	1.1333755	MYB	0.9621145	HJURP	0.8593015	SMCO4	0.781604	NUSAP1	0.727813
ASS1	1.7042745	CDK2	1.133259	PFN2	0.960925	SLC6A17	0.858509	KCNH4	0.7806445	POLA1	0.7273485
ACE	1.7006315	GSTT2	1.1321125	CLVS1	0.9587585	MIF4GD	0.8575665	TCF3	0.780139	TCF7L2	0.7271315
CACNG4	1.667475	EXOSC1	1.1308815	AS3MT	0.9583305	ATAD2	0.856628	MIR6809	0.779837	DNAAF5	0.727124
CCNE2	1.6435515	ARHGAP29	1.125485	TLCD1	0.9577255	OSBPL3	0.85603	FAM105A	0.7789145	BORA	0.7269125
OLFM1	1.6381345	CEP295NL	1.124688	B3GALNT1	0.9570825	HMBS	0.855616	C11orf24	0.7782945	SYN2	0.7268225
C1QL1	1.6323405	PAPOLA	1.122019	ISYNA1	0.9567885	POLD3	0.8555495	PLEKHA6	0.778292	IDH2	0.726172
SH3BGRL3	1.5694855	NIAN1	1.11968	HIST1H4I	0.9552375	STK1/B	0.853299	NDC80	0.7782305	EIF2B2	0.7258495
ADGRG1	1.550942	MTMR6	1.111176	MYBL2	0.954745	FABP5	0.8517465	ARHGAP42	0.7780475	NR2C2AP	0.725077
CLSPN	1.5505425	BEGAIN	1.1093	DHFR	0.954631	PWP2	0.849862	ZWINT	0.777092	CD3EAP	0.722806
ZMA14	1.548271	IT PRIPL1	1.106137	CARHSP1	0.954499	DLGAP5	0.8496545	AIFM2	0.776263	FANCI	0.722727
CHRM1	1.546421	TUBB3	1.1050985	RAD51	0.9543475	RNASEH2B	0.8493805	CENPA	0.774866	SLCO3A1	0.722494
ASCL1	1.504814	CENPW DBB11	1.1012415	KD3	0.953663	HIST 1H2BJ	0.8477665	FUXRED2	0.7724025	DUAH1	0.720853
ISM6	1.3000303	CDC428PA	1.0977845	CENIDI	0.553404	TRMII	0.847708	EECAB10	0.7734933	CD151	0.7203333
	1.4939803	PAB30	1.093031	SLC2A6	0.5551245	HIST1H2BE	0.847354	MIR17HG	0.772691	HAUS1	0.7195635
S100A11	1.4847433	TDM1	1.092287	51C2A0	0.552745	HIST1H2BL	0.8440505	CCNA2	0.7723315	IPCAT2	0.7193033
BELL1	1.4630283	DEEL	1.08858		0.932128	CC10	0.8440303	NUDCD1	0.7723313	EADD1	0.7194903
PCDH19	1.4581215	CRorf88	1.0848885		0.551354	CDKN2C	0.844034	NODCD1	0.7723255	IDAD3	0.7192203
FCDH15	1.458081	P PH3A	1.0848885	KCNH5	0.5301383	OGERI 1	0.843317	EBY033	0.7721333	CCNR2	0.7187045
TSPAN18	1.452157	GUPP2	1.08308	HIST1H2AB	0.94807	LIBE 2T	0.8421725	HIST1HAD	0.771535	DHRS11	0.718/735
TRPA1	1.442992	PLCB3	1.0823785	CASP7	0.9458635	THAP10	0.841529	MCM4	0.771309	ACTN4	0.7183585
CYB561	1,4197795	HIST1H1D	1.080605	CHAC2	0.9443185	KCNH2	0.841467	FOXM1	0.7705755	HDGFRP3	0.718223
EGR1	1.4148115	SFXN3	1.080087	SLC29A1	0.9430425	ENDOG	0.8396315	CSRP1	0.770482	FAM103A1	0.7156825
DDC	1.4067025	PPP2R2B	1.0777015	SLC20A1	0.9411075	LIFR	0.8396285	KLF6	0.769967	ADRA2C	0.7155855
ADAMTS1	1.401651	LOXL1	1.0775	NCKAP1	0.940983	MZT1	0.8384925	MED15	0.7687735	THSD7A	0.7143555
ATE3	1.39639	DSF	1.076164	Clorf21	0.939349	GATA2	0.8363735	SYNPO	0.767908	EMC8	0.7114695
FXYD6	1.391147	VGF	1.074699	LTA4H	0.9381635	ODAM	0.835778	CDCA7	0.767407	CENPK	0.7112845
HGF	1.3783205	CORO1A	1.0743285	E2F7	0.9378295	PRIM1	0.835587	CNTER	0.767388	ITGA6	0.710897
LPGAT1	1.377573	MMD	1.0737455	HIST1H3I	0.937742	FAM72A	0.835125	MSH6	0.7673295	MYCN	0.71007
PARM1	1.358232	NCAPG	1.071829	EXOSC7	0.9374075	MASTL	0.835066	CDC20	0.767083	H2AFX	0.710038
RIMS3	1.355447	NR1D2	1.0714375	MARCH4	0.934672	LRR1	0.8343785	GEMIN5	0.7666695	LIG1	0.7099835
E2F8	1.354234	FEN1	1.071426	CENPE	0.934277	ALCAM	0.8316485	TRIM29	0.7662365	ST8SIA2	0.7099395
CHST11	1.3470885	ADCYAP1	1.0713965	VTI1B	0.9326895	HES1	0.8299475	RNF138	0.7661765	ENPP2	0.7097335
SLC18A1	1.3455875	KIF20A	1.0709125	CNN3	0.931465	MSI2	0.8297345	SLC2A6	0.7645365	SH3RF1	0.7094135
HTR3A	1.344718	FBXO5	1.0696375	CDKN3	0.931385	VARS	0.8282165	KDELR 3	0.764033	SYT4	0.708528
GRIK3	1.3440255	HIST1H2BI	1.069534	EAF1	0.930857	PTGER2	0.828158	HACD1	0.763019	DNA2	0.7078805
GABRA4	1.340389	HIST2H3A	1.068472	CAMKV	0.9292875	MAGI1	0.827905	CALM3	0.7626735	SYNPO2	0.7058915
CORO2A	1.3199035	WDR76	1.0669695	FUNDC1	0.928694	GPATCH4	0.827681	ETS2	0.7612885	ANP32E	0.705295
SPRY4	1.313135	NRG1	1.066745	HIST1H3G	0.9280345	KCNT1	0.8274855	CRABP2	0.7610885	CHGA	0.7040255
ENTPD3	1.312376	CLN6	1.057853	HEG1	0.9273205	DUSP7	0.8273865	COL10A1	0.7608495	NR2F2	0.70384
CRIPT	1.3078695	GPR3	1.0517225	DSN1	0.926089	PCBP4	0.827072	5-Mar	0.760535	CRABP1	0.703754
PPEF1	1.306663	HIST1H3B	1.0510495	PHLDA1	0.925801	SPIN4	0.8262735	RPA3	0.760497	SHC1	0.702837
HIG D1C	1.3061335	KCNQ2	1.0509405	HS6ST1	0.924628	LAMP5	0.82597	PLAT	0.760285	HIST1H2AJ	0.702205
DGKK	1.3045375	HIST1H2AE	1.0494565	CREB5	0.924266	FAM26E	0.8254605	KCN H6	0.7583625	TMED5	0.701647
TFDP1	1.302833	CHAF1B	1.0485785	CDC25A	0.918888	HSPB1	0.8247935	TNFRSF19	0.7582825	NPY2R	0.7012725
SLILE2	1 3026105										
50112	1.5020105	GSTT2	1.045235	PCSK1	0.917031	FLT1	0.824592	ABCB6	0.758199	ERI1	0.7004865
CDC7	1.2951595	GSTT2 DPY19L1	1.045235 1.0440825	PCSK1 DDX21	0.917031 0.9158435	FLT1 EMP3	0.824592 0.8238225	ABCB6 RAB33A	0.758199 0.758004	ERI1	0.7004865
CDC7 SQLE	1.2951595 1.295074	GSTT2 DPY19L1 CAPN6	1.045235 1.0440825 1.0422875	PCSK1 DDX21 ARHGAP36	0.917031 0.9158435 0.913221	FLT1 EMP3 MCM10	0.824592 0.8238225 0.823391	ABCB6 RAB33A ATP6V1E2	0.758199 0.758004 0.7579695	ERI1	0.7004865
CDC7 SQLE HIST1H2BM	1.2951595 1.295074 1.293814	GSTT2 DPY19L1 CAPN6 GALNT6	1.045235 1.0440825 1.0422875 1.0419675	PCSK1 DDX21 ARHGAP36 CRIP1	0.917031 0.9158435 0.913221 0.912751	FLT1 EMP3 MCM10 GNAZ	0.824592 0.8238225 0.823391 0.822219	ABCB6 RAB33A ATP6V1E2 MKI67	0.758199 0.758004 0.7579695 0.7579305	ERI1	0.7004865
CDC7 SQLE HIST1H2BM FAM107B	1.2951595 1.295074 1.293814 1.290697	GSTT2 DPY19L1 CAPN6 GALNT6 TH	1.045235 1.0440825 1.0422875 1.0419675 1.040307	PCSK1 DDX21 ARHGAP36 CRIP1 BORCS7-ASM	0.917031 0.9158435 0.913221 0.912751 10.90979	FLT1 EMP3 MCM10 GNAZ CXXC5	0.824592 0.8238225 0.823391 0.822219 0.820824	ABCB6 RAB33A ATP6V1E2 MKI67 DSCC1	0.758199 0.758004 0.7579695 0.7579305 0.757059	ERI1	0.7004865
CDC7 SQLE HIST1H2BM FAM107B LGALS1	1.2951595 1.295074 1.293814 1.290697 1.2886055	GSTT2 DPY19L1 CAPN6 GALNT6 TH DCLRE1A	1.045235 1.0440825 1.0422875 1.0419675 1.040307 1.034652	PCSK1 DDX21 ARHGAP36 CRIP1 BORCS7-ASM UCP2	0.917031 0.9158435 0.913221 0.912751 0.90979 0.908605	FLT1 EMP3 MCM10 GNAZ CXXC5 ALDH1B1	0.824592 0.8238225 0.823391 0.822219 0.820824 0.819841	ABCB6 RAB33A ATP6V1E2 MKI67 DSCC1 G6PC3	0.758199 0.758004 0.7579695 0.7579305 0.757059 0.756923	ERI1	0.7004865
CDC7 SQLE HIST1H2BM FAM107B LGALS1 SERTAD4	1.2951595 1.295074 1.293814 1.290697 1.2886055 1.287473	GSTT2 DPY19L1 CAPN6 GALNT6 TH DCLRE1A HIST2H3A	1.045235 1.0440825 1.0422875 1.0419675 1.040307 1.034652 1.034609	PCSK1 DDX21 ARHGAP36 CRIP1 BORCS7-ASM UCP2 DNPEP	0.917031 0.9158435 0.913221 0.912751 70.90979 0.908605 0.907702	FLT1 EMP3 MCM10 GNAZ CXXC5 ALDH1B1 FAM72B	0.824592 0.8238225 0.823391 0.822219 0.820824 0.819841 0.819841 0.819915	ABCB6 RAB33A ATP6V1E2 MKI67 DSCC1 G6PC3 DPP7	0.758199 0.758004 0.7579695 0.7579305 0.757059 0.756923 0.7560065	ERI1	0.7004865
CDC7 SQLE HIST1H2BM FAM107B LGALS1 SERTAD4 GAL	1.2951595 1.295074 1.295074 1.293814 1.290697 1.2886055 1.287473 1.28564 1.2840055	GSTT2 DPY19L1 CAPN6 GALNT6 TH DCLRE1A HIST2H3A HPCAL1	1.045235 1.0440825 1.0422875 1.0419675 1.040307 1.034652 1.034609 1.031487	PCSK1 DDX21 ARHGAP36 CRIP1 BORCS7-ASM UCP2 DNPEP SLC25A43	0.917031 0.9158435 0.913221 0.912751 0.908605 0.907702 0.907002	FLT1 EMP3 MCM10 GNAZ CXXC5 ALDH1B1 FAM72B PWP2 MADEGID1	0.824592 0.8238225 0.823391 0.822219 0.820824 0.819841 0.8189115 0.818265 0.817370	ABCB6 RAB33A ATP6V1E2 MKI67 DSCC1 G6PC3 DPP7 CDK2AP1	0.758199 0.758004 0.7579695 0.7579305 0.757059 0.756923 0.7560065 0.753725	ERI1	0.7004865
CDC7 SQLE HIST1H2BM FAM107B LGALS1 SERTAD4 GAL P2RY6 P2RY6 P2RY6	1.2951595 1.295074 1.295074 1.293814 1.290697 1.2886055 1.287473 1.28564 1.2848965	GSTT2 DPY19L1 CAPN6 GALNT6 TH DCLRE1A HIST2H3A HPCAL1 PTP4A2 PD5C3	1.045235 1.0440825 1.0422875 1.0419675 1.040307 1.034652 1.034609 1.031487 1.029474 1.029474	PCSK1 DDX21 ARHGAP36 CRIP1 BORCS7-ASM UCP2 DNPEP SLC25A43 HIST2H2AB	0.917031 0.9158435 0.913221 0.912751 0.90979 0.908605 0.907702 0.907002 0.9066315	FLT1 EMP3 MCM10 GNAZ CXXC5 ALDH1B1 FAM72B PWP2 MAPK8IP1 PAPK2	0.824592 0.8238225 0.823391 0.822219 0.820824 0.819841 0.8189115 0.818265 0.817379 0.9160045	ABCB6 RAB33A ATP6V1E2 MKI67 DSCC1 G6PC3 DPP7 CDK2AP1 RABEPK ATD1D1	0.758199 0.758004 0.7579695 0.7579305 0.757059 0.756923 0.7560065 0.753725 0.75363 0.75305	ERI1	0.7004865
CDC7 SQLE HIST1H2BM FAM107B LGALS1 SERTAD4 GAL P2RY6 RPL22L1 KCNUP	1.2951595 1.295074 1.293814 1.290697 1.2886055 1.287473 1.28564 1.2848965 1.2824695 1.2824695	GSTT2 DPY19L1 CAPN6 GALNT6 TH DCLRE1A HIST2H3A HPCAL1 PTP4A2 PRSS3 ALIBYP	1.045235 1.0440825 1.0422875 1.0419675 1.040307 1.034652 1.034609 1.031487 1.029474 1.0262955	PCSK1 DDX21 ARHGAP36 CRIP1 BORCS7-ASM UCP2 DNPEP SLC25A43 HIST2H2AB MYO19 VA	0.917031 0.9158435 0.913221 0.912751 0.90979 0.908605 0.907702 0.907602 0.9066315 0.9066315 0.906319	FLT1 EMP3 MCM10 GNAZ CXXC5 ALDH1B1 FAM72B PWP2 MAPK8IP1 DARS2 CEDEE	0.824592 0.8238225 0.823391 0.822219 0.820824 0.819841 0.8189115 0.818265 0.817379 0.8169945 0.8169945	ABCB6 RAB33A ATP6V1E2 MKI67 DSCC1 G6PC3 DPP7 CDK2AP1 RABEPK ATP1B1 VE56A	0.758199 0.758004 0.7579695 0.7579305 0.757059 0.756023 0.7560065 0.753725 0.75363 0.7533895 0.7533895	ERI1	0.7004865
CDC7 SQLE HIST1H2BM FAM107B LGAL51 SERTAD4 GAL P2RY6 RPL22L1 KCNJ8 HC25T0	1.2951595 1.295074 1.295074 1.290697 1.2886055 1.287473 1.28564 1.2848965 1.2824695 1.2824695 1.2717995	GSTT2 DPY19L1 CAPN6 GALNT6 TH DCLRE1A HIST2H3A HPCAL1 PTP4A2 PRSS3 AURKB UBE2C	1.045235 1.0440825 1.0422875 1.0419675 1.040007 1.034652 1.034609 1.031487 1.029474 1.0262955 1.023682 1.023682	PCSK1 DDX21 ARHGAP36 CRIP1 BORCS7-ASM UCP2 DNPEP SLC25A43 HIST2H2AB MYO19 LYN MELK	0.917031 0.9158435 0.913221 0.912751 0.90979 0.908605 0.907702 0.9066315 0.906319 0.906319 0.903675 0.90273	FLT1 EMP3 MCM10 GNAZ CXXC5 ALDH1B1 FAM72B PWP2 MAPK8IP1 DARS2 CEP55 UICT147201	0.824592 0.8238225 0.823391 0.822219 0.820824 0.819841 0.8189115 0.818265 0.817379 0.8169945 0.8161995	ABCB6 RAB33A ATP6V1E2 MKI67 DSCC1 G6PC3 DPP7 CDK2AP1 RABEPK ATP1B1 KIF26A LDP2	0.758199 0.758004 0.7579695 0.7579305 0.757059 0.7560065 0.753725 0.75363 0.7533895 0.7531245 0.7531245	ERI1	0.7004865
CDC7 SQLE HIST1H2BM FAM107B LGALS1 SERTAD4 GAL P2RY6 RPL22L1 KCNJ8 HS3ST2 CDCA3	1.2951595 1.295074 1.293814 1.290697 1.2886055 1.287473 1.28564 1.2848965 1.2824695 1.2824695 1.2717995 1.2673875 1.2654	GSTT2 DPY19L1 CAPN6 GALNT6 TH DCLRE1A HIST2H3A HIPCAL1 PTP4A2 PTP4A2 PTP4A2 PRSS3 AURKB UBE2C EAM27E2	1.045235 1.0440825 1.0422875 1.0419675 1.040307 1.034609 1.031487 1.029474 1.022955 1.023682 1.022596 1.022956	PCSK1 DDX21 ARHGAP36 CRIP1 BORCS7-ASM UCP2 DNPEP SLC25A43 HIST2HZAB MYO19 LYN MELK TDBGI	0.917031 0.9158435 0.913221 0.9132751 0.90979 0.908605 0.907702 0.907002 0.9066315 0.906319 0.903675 0.902073 0.9018405	FLT1 EMP3 MCM10 GNAZ CXXC5 ALDH1B1 FAM72B PWP2 MAPK8IP1 DARS2 CEP55 HIST1H2BL MTEP2	0.824592 0.8238225 0.823391 0.822219 0.820824 0.819841 0.8189415 0.818265 0.817379 0.8169945 0.8161995 0.815815 0.81566	ABCB6 RAB33A ATP6V1E2 MKI67 DSCC1 GGPC3 DPP7 CDK2AP1 RABEPK ATP1B1 KIF26A LDB2 SUC25A19	0.758199 0.758004 0.7579695 0.7579305 0.757059 0.756923 0.756065 0.753725 0.75363 0.7533895 0.7531245 0.752315 0.752315		0.7004865
CDC7 SQLE HIST1H2BM FAM107B LGALS1 SERTAD4 GAL P2RY6 RPL22L1 KCNJ8 HS3ST2 CDCA3 PPM2	1.2951595 1.295074 1.293814 1.290697 1.2886055 1.287473 1.28564 1.2848965 1.2824695 1.2717995 1.2673875 1.2673875 1.26694 1.747935	GSTT2 DPY19L1 CCAPN6 GALNT6 TH DCLRE1A HIST2H3A HPCAL1 PTP4A2 PRSS3 AURKB UBE2C FAM27E3 MC/BP1	1.045235 1.0440825 1.0422875 1.040307 1.034652 1.034609 1.031487 1.029474 1.0262955 1.023682 1.022596 1.022596 1.0228725	PCSK1 DDX21 ARHGAP36 CRIP1 BORCS7-ASM UCP2 DNPEP SLC25A43 HIST2H2AB MYO19 LYN MELK TPBGL CDKN1A	0.917031 0.9158435 0.913221 0.903751 0.908605 0.907702 0.9066315 0.9066315 0.9066315 0.9066315 0.9066315 0.9066319 0.903675 0.902073 0.9018495 0.908585	FLT1 EMP3 MCM10 GNA2 CXXC5 ALDH1B1 FAM72B PWP2 MAPK8IP1 DARS2 CEP55 HIST1H2BL MTFR2 CLGN	0.824592 0.8238225 0.8238219 0.822824 0.819841 0.8189115 0.818265 0.81779 0.8169945 0.8161995 0.815815 0.815646 0.81457	ABCB6 RAB33A ATP6V1E2 MKI67 DSCC1 G6PC3 DPP7 CDK2AP1 RABEPK ATP1B1 KIF26A LDB2 SLC25A19 UKP1	0.758199 0.758004 0.7579695 0.7579305 0.757059 0.756923 0.756065 0.753725 0.75363 0.7533895 0.7531245 0.752315 0.752212 0.752212 0.752212 0.752005		0.7004865
CDC7 SQLE HIST1H2BM FAM107B LGAL51 SERTAD4 GAL P2RY6 RPL22L1 KCNJ8 HS3ST2 CDCA3 RRM2 CDC47FP3	1.2951595 1.295074 1.293814 1.290697 1.2886055 1.287473 1.28564 1.2848965 1.2824695 1.2824695 1.2673875 1.2673875 1.26694 1.2647935	GSTT2 DPY19L1 CAPN6 GALNT6 TH DCLRE1A HIST2H3A HPCAL1 PTP4A2 PRSS3 AURKB UBE2C FAM27E3 MCHR1 IFT57	1.045235 1.0440825 1.042875 1.0419675 1.043007 1.034652 1.034609 1.031487 1.029474 1.022474 1.0226955 1.022856 1.0228725 1.0228725 1.016883	PCSK1 DDX21 ARHGAP36 CRIP1 BORC57-ASM UCP2 DNPEP SLC25A43 HIST2H2AB MY019 LYN MELK TPBGL CDKN1A TOB1	0.917031 0.9158435 0.913221 0.90751 0.908605 0.907702 0.9066315 0.9066315 0.906315 0.903675 0.902073 0.902073 0.8985085 0.8985085	FLT1 EMP3 MCM10 GNA2 CXXC5 ALDH1B1 FAM72B PWP2 MAPK8IP1 DARS2 CEP55 HIST1H2BL MTFR2 CLGN LMNB1	0.824592 0.8238225 0.823391 0.822824 0.820824 0.818841 0.818945 0.818265 0.817379 0.8169945 0.8169945 0.815815 0.815846 0.813457 0.813918	ABCB6 RAB33A ATP6V1E2 MKI67 DSCC1 G6PC3 DPP7 CDK2AP1 RABEPK ATP1B1 KIF26A LDB2 SLC25A19 USP1 KLHL23	0.758199 0.758004 0.7579695 0.7579305 0.756923 0.7560065 0.753725 0.75363 0.7533895 0.7531245 0.752315 0.752212 0.7519085 0.7505		0.7004865
CDC7 SQLE HIST1H2BM FAM107B LGAL51 SERTAD4 GAL P2RY6 RPL22L1 KCNI8 H53ST2 CDCA3 RRM2 CDC42EP3 LMNA	1.2951595 1.295074 1.293814 1.293814 1.286055 1.287473 1.28564 1.2848955 1.2874955 1.2717995 1.26694 1.2667935 1.26694 1.2647935 1.2616845 1.251905	GSTT2 DPY19L1 CAPN6 GALNT6 TH DCLRE1A HIST2H3A HIST2H3A HIST2H3A PRSS3 AURK8 UBE2C FAM27E3 MCHR1 IFT57 KPNA3	1.045235 1.0440825 1.042875 1.0419675 1.040307 1.034609 1.034609 1.0346409 1.029474 1.022955 1.022682 1.022896 1.022896 1.0228725 1.01287285 1.016883 1.016815	PCSK1 DDX21 ARHGAP36 CRIP1 BORCS7-ASM UCP2 DNPEP SLC25A43 HIST2H2AB MY019 LYN MELK TPBGL CDKN1A TOB1 CDK1	0.917031 0.9138435 0.913221 0.90979 0.908605 0.907702 0.9066315 0.9066315 0.906319 0.903675 0.902073 0.9018495 0.8985085 0.8985085	FLT1 EMP3 MCM10 GNA2 CXXC5 ALDH1B1 FAM72B PWP2 MAPK8IP1 DARS2 CEP55 HIST1H2BL MTFR2 CLGN LMNB1 PRSS2	0.824592 0.8238225 0.823821 0.822391 0.820824 0.819841 0.8189115 0.818265 0.817379 0.8169945 0.8169945 0.8161995 0.815846 0.8134457 0.813918 0.8138965	ABCB6 RAB33A ATP6V1E2 MKI67 DSCC1 G6PC3 DPP7 CDK2AP1 RABEPK ATP1B1 KIF26A LDB2 SLC25A19 USP1 KLHL23 DTL	0.758199 0.758004 0.7579305 0.7579305 0.756920 0.756920 0.756920 0.753205 0.753205 0.753215 0.752212 0.752215 0.752205 0.7502055		0.7004865
CDC7 SQLE HIST1H2BM FAM107B LGAL51 SERTAD4 GAL P2RY6 RPL22L1 KCNJ8 HS3ST2 CDC43 RRM2 CDC42EP3 LMNA \$100A10	1.2951595 1.295074 1.293814 1.290697 1.2886055 1.287473 1.28564 1.2824695 1.2824695 1.2874695 1.2673875 1.2673875 1.26694 1.2647935 1.2616845 1.251905 1.243042	GSTT2 DPY19L1 CAPN6 GALNT6 TH DCLRE1A HIST2H3A HPCAL1 PTP4A2 PRSS3 AURKB UBE2C FAM27E3 MCHR1 IFT57 KPNA3 PSRC1	1.045235 1.0440825 1.042875 1.0419675 1.034052 1.034652 1.034652 1.03469 1.031487 1.029474 1.0262955 1.023682 1.022596 1.0208725 1.0187285 1.016883 1.016815 1.0144755	PCSK1 DDX21 ARHGAP36 CRIP1 BORCS7-ASM UCP2 DNPEP SLC25A43 HIST2H2AB MYO19 LYN MELK TPBGL CDKN1A TOB1 CDK1 FAM83D	0.917031 0.9158435 0.913221 0.9032751 0.90979 0.908605 0.907702 0.90702 0.906315 0.906319 0.9036319 0.902673 0.902673 0.902673 0.9018495 0.8985085 0.8985085 0.8985285	FLT1 EMP3 MCM10 GNAZ CXXC5 ALDH1B1 FAM72B PWP2 MAPK8IP1 DAR52 CEP55 HIST1H2BL MTFR2 CLGN LIMNB1 PRS52	0.824592 0.8238225 0.823391 0.822219 0.820824 0.819841 0.8189415 0.8188265 0.8161995 0.8161995 0.815815 0.815846 0.813918 0.813918 0.813905 0.813307	ABCB6 RAB33A ATP6V1E2 MKI67 DSCC1 G6PC3 DPP7 CDK2AP1 RABEPK ATP1B1 KIF26A LDB2 SLC25A19 USP1 KLHL23 DTL TIMP3	0.758199 0.759069 0.7579059 0.7579059 0.757059 0.7560065 0.75325 0.753215 0.753215 0.752315 0.752315 0.752212 0.752105 0.752025 0.750125		0.7004865
CDC7 SQLE HIST1H2BM FAM1078 LGALS1 SERTAD4 GAL P2RY6 RPL22L1 KCNI8 HS3ST2 CDC43 RRM2 CDC42EP3 LMNA S100A10 CYSLTR2	1.2951595 1.295074 1.293814 1.290897 1.2886055 1.287473 1.28564 1.2848965 1.2824695 1.2824695 1.2673875 1.2673875 1.26694 1.2647935 1.2616845 1.261905 1.243042 1.2321625	GSTT2 DPY19L1 CAPN6 GALNT6 TH DCLRE1A HIST2H3A HPCAL1 PTP4A2 PRSS3 AURKB UBE2C FAM27E3 MCHR1 IFT57 KPNA3 PSRC1 SUZ12	1.045235 1.0440825 1.042875 1.0419675 1.040307 1.034652 1.034609 1.031487 1.022474 1.02262955 1.022596 1.022596 1.022596 1.01883 1.016815 1.0144755 1.0142565	PCSK1 DDX21 ARHGAP36 CRIP1 BORCS7-ASM UCP2 DNPEP SLC25A43 HIST2HZAB MY019 LYN MELK TPBGL CDKN1A TOB1 CDK1 FAM83D HTR38	0.917031 0.9158435 0.913221 0.913221 0.912251 0.908605 0.907702 0.907702 0.907002 0.9076319 0.906319 0.903675 0.9026315 0.903675 0.90273 0.9018495 0.8985085 0.8985085 0.8985305	FLT1 EMP3 MCM10 GNAZ CXXCS ALDH1B1 FAM728 PWP2 MAPK8IP1 DAR52 CEP55 HIST1H28L MTFR2 CLGSN LMNB1 PRSS2 PLXNA2 CRH	0.824592 0.823892 0.823391 0.822219 0.822219 0.820824 0.8189415 0.8189415 0.818945 0.818945 0.8163995 0.815815 0.815845 0.813948 0.813948 0.813948 0.813947	ABCB6 RAB33A ATF6V1E2 MKI67 DSCC1 G6PC3 DPP7 CDK2AP1 RABEPK ATP1B1 KIF26A LDB2 SLC25A19 USP1 KLHL23 DTL TIMP3 TUB88	0.758199 0.7579695 0.7579695 0.757059 0.757059 0.750025 0.753025 0.753025 0.753125 0.753125 0.752115 0.752125 0.752025 0.7502055 0.7502055 0.749785		0.7004865
CDC7 SQLE HIST1H2BM LGALS1 SERTAD4 GAL P2RY6 RPL22L1 KCNJ8 HS3ST2 CDCA3 RRM2 CDCA3 RRM2 CDC42EP3 S100A10 CYSLTR2 HELLS	1.2951595 1.295074 1.293674 1.293614 1.290697 1.2886055 1.287473 1.28564 1.2848965 1.2717995 1.2673875 1.2679375 1.26694 1.2647935 1.2616845 1.251905 1.251905 1.2243042 1.2295655	GSTT2 DPY19L1 CAPN6 GALNT6 TH DCLRE1A HIST2H3A HIPCAL1 PTP4A2 PRSS3 AURK8 UBE2C FAM27E3 MCHR1 IFT57 KPNA3 PSRC1 SUZ12 CSRP2	1.045235 1.0440825 1.042875 1.042875 1.04307 1.034562 1.034609 1.031487 1.02474 1.0262955 1.023682 1.022596 1.022596 1.0208725 1.016883 1.016818 1.016815 1.016815 1.0164255 1.0142565 1.013496	PCSK1 DDX21 ARHGAP36 CRIP1 BORCS7-ASM UCP2 DNPEP SLC25A43 HIST2H2AB MYO19 LYN MELK TDBGL COKN1A TOB1 COK1 FAM83D HTR3B SCOC	0.917031 0.9158435 0.913221 0.913221 0.912751 0.909702 0.90702 0.90702 0.90702 0.906315 0.906315 0.906319 0.906355 0.902073 0.9018495 0.898085 0.898082 0.898526 0.895520 0.88555 0.883171	FLT1 EMP3 MCM10 GNAZ OXXC3 ALDH1B1 FAM728 PWP2 DARS2 CEP55 HIST1H2BL MTFR2 CLGN LMN81 PMS22 PLXNA2 CRH HIST1H3A	0.824592 0.8238225 0.823391 0.822391 0.820824 0.819841 0.8189115 0.818945 0.8163945 0.8163945 0.815815 0.815815 0.815846 0.8134457 0.813946 0.8138965 0.8133196 0.813256	ABCB6 RAB33A ATF6V1E2 MKI67 DSCC1 G6PC3 DPP7 CDK2AP1 RABEPK ATP1B1 KIF26A LDB2 SIC25A19 USP1 KLHL23 DTL TIMP3 TUBB8	0.758199 0.7590695 0.7579069 0.7579059 0.757059 0.750025 0.753025 0.753025 0.7531245 0.752125 0.752125 0.752025 0.750125 0.750125 0.750125 0.750125 0.750125		
CDC7 SQLE HIST1H2BM FAM107B LGAL51 SERTAD4 GAL P2RY6 RPL22L1 KCNI8 HS3ST2 CDC42EP3 LMNA CDC42EP3 LMNA CV5LTR2 HELL5 S100A10 CY5LTR2	1.2951395 1.295074 1.295074 1.298005 1.2886055 1.2845055 1.2845055 1.2845055 1.2845055 1.2845055 1.2845055 1.284505 1.2647935 1.2667935 1.2647935 1.26467935 1.26467935 1.2616845 1.251005 1.243042 1.243042 1.243042 1.2241625 1.2297656	GSTT2 DPY19L1 CAPNG GALNT6 TH DCLRE1A HIST2H3A HIST2H3A HIPCAL1 PTP4A2 PR5S3 AURK8 UBE2C FAM27E3 MCHR1 IFT57 KPNA3 PSRC1 SUZ12 CSR2	1.042235 1.0408255 1.042875 1.042875 1.042875 1.042875 1.034675 1.034609 1.03467 1.024674 1.02595 1.02596 1.02596 1.026875 1.016815 1.0148755 1.0144755 1.013496 1.01341	PCSK1 DDX21 ARHGAP36 CRIP1 BORG57-ASM UCP2 DNPEP S1C25A43 HIST2H2AB MYO19 LYN MELK TPBGL CDKN1A TOB1 CDK1 FAM83D HTR3B SCOC GNR4	0.917031 0.9158435 0.913221 0.913221 0.912751 0.9098605 0.9098605 0.90702 0.9066315 0.906315 0.906315 0.906315 0.903675 0.902073 0.9018495 0.8985085 0.8985085 0.8985085 0.8895203 0.889523 0.889523 0.8895121	FLT1 EMP3 MCM10 GNA2 OXXC5 ALDH1B1 FAM72B PWP2 MAPK8IP1 DARS2 CEP55 HIST1H2BL MTFR2 CGN LMNB1 PRS52 PLXNA2 CRH HIST1H3B1 EIF4EBP2	0.824592 0.8238225 0.823891 0.822391 0.820824 0.819841 0.818265 0.817379 0.816395 0.815815 0.815815 0.815845 0.815815 0.815845 0.813918 0.813965 0.813307 0.81247	ABCB6 RAB33A ATF6V1E2 MKIG7 DSCC1 GGPC3 DPP7 CDK2AP1 RABEPK ATP1B1 KIF2GA LDB2 SLC25A19 USP1 KLHL23 DTL TIMP3 TUBB8 CHML FAM57A	0.758109 0.7579095 0.7579095 0.7579030 0.750923 0.756023 0.753024 0.7531245 0.7531245 0.7531245 0.7531245 0.7531245 0.7531245 0.752122 0.752125 0.75215 0.7		
CDC7 SQLE HISTH/2BM FAM107B LGALS1 SERTAD4 GAL P2RY6 GAL RP122L1 KCN/8 HS35T2 CDC42EP3 LMNA S100A10 CCYSLTR2 CVSLTR2 KIAA0125 BMP2K	1.2951395 1.295074 1.293074 1.293074 1.2930897 1.2880605 1.287473 1.28546 1.2848965 1.2717995 1.26594 1.264894 1.2648945 1.2648945 1.2648945 1.264995 1.243095 1.243042 1.2321625 1.22396565 1.2217075	GSTT2 GPV19L1 CAPN6 GALNT6 TH DCLRE1A HIST2H3A HIST2H3A HIST2H3A AURK8 UB22C AURK8 UB22C KPAA2 FSAA27E3 MCRR1 IFT57 KFNA3 PSRC1 SU212 CSRP2 HNRNPH3 DIAPH3	1.045235 1.042825 1.042825 1.042825 1.0419675 1.040307 1.034652 1.034609 1.034639 1.024652 1.023682 1.022596 1.0262955 1.023682 1.022596 1.0262955 1.016815 1.016815 1.016815 1.0142565 1.0142565 1.014296 1.01424 1.014246 1.014246 1.014247 1.0146 1.01467 1.01467 1.01467 1.01467 1.01467 1.01467 1.01467 1.01467 1.01467 1.01467 1.01467 1.01467 1.01467 1.01467 1.01467 1.01467 1.01467 1.02467 1.01467 1.01467 1.01467 1.01467 1.01467 1.01467 1.01467 1.01467 1.01467 1.01467 1.01467 1.01467 1.01467 1.01467 1.01467 1.0147 1.01467	PCSK1 DDX21 DXX21 ARHGAP36 CRIP1 BR0R57-ABM UCP2 DNPEP SLC25A43 SLC25A43 SLC25A43 SLC25A43 VM7019 LYN MELK MY019 LYN MELK TOB1 CDK11 FAM83D HTR38 SCOC GNR4 JUN	0.917031 0.9158435 0.913221 0.913221 0.902751 0.90979 0.908605 0.907702 0.907002 0.9066315 0.9066315 0.9066315 0.9066315 0.9066315 0.9066315 0.9066315 0.9066315 0.9066315 0.805526 0.889526 0.889526 0.88948555 0.88948555 0.8894851 0.8894851 0.8894851 0.8894851 0.8894851 0.8894851 0.8894851 0.8894851 0.8894851 0.8894851 0.8894851 0.8894855 0.899455 0.8994855 0.8994555 0.8994555555 0.899455555555555555555555555555555555555	FLT1 EMP3 MCM10 GNA2 CXXC5 ALDH1B1 FAM72B PWP2 MAPK8IP1 DAR52 CEP55 HIST1H2BL MTFR2 CLGR LIMNB1 HISTS2 PLXNA2 CRH HISTIH2AL HINRNPDL	0.824592 0.8238225 0.823391 0.822391 0.822819 0.820824 0.818941 0.818945 0.815815 0.815815 0.815815 0.815845 0.815845 0.813948 0.813948 0.813940 0.81394 0.8159 0.8	ABCB6 RAB33A ATF6V1E2 MKI67 DSCC1 GGPC3 DPP7 CDK2AP1 RABEPK ATP1B1 KIF26A LDB2 SLC25A19 USP1 KLHL23 DTL TIMP3 TUB88 CHML FAM57A CD58	0.758199 0.759695 0.7576950 0.7576950 0.756923 0.756923 0.756923 0.753025 0.753125 0.753125 0.753215 0.753215 0.752215 0.752025 0.751025 0.751025 0.751025 0.750205 0.749729 0.749725 0.749425		0.7004865
CDC7 SQLE FAM107B LGAL51 SERTAD4 GAL P2RY6 RPL22L1 KCNJ8 HS3ST2 CDC43 CDC43 CDC42EP3 LMNA S100A10 CY5LTR2 HELLS KIAA0125 BMP2K	1.2951595 1.295074 1.293814 1.290804 1.2886055 1.2846055 1.2846055 1.2848055 1.2848055 1.2848055 1.2848055 1.2848055 1.2717995 1.2667835 1.26594 1.243042 1.247085 1.227768 1.21005 1.2105	GSTT2 GPV19L1 CAPN6 GALNT5 TH DCLRE1A HIS72H3A HPCAL1 PTP4A2 PRS33 AURK8 MCHR1 IFT57 KFNA3 PSRC1 SU212 SU212 GKP2 HNRNPH3 DIAPH3 DIAPH3 CMNN	1.042235 1.0428275 1.0428275 1.0428275 1.042675 1.034652 1.034652 1.034652 1.03469 1.031487 1.0262955 1.0262955 1.0262955 1.0262955 1.026827 1.026823 1.026823 1.016815 1.0144755 1.0144755 1.0144755 1.01349 1.01341 1.01349 1.01341 1.0103285	PCSK1 D0X21 ARHGAP36 CRIP1 BORC57-ASM UCP2 DNPEP S1C25A43 HIST2H2AB MYO19 LVN MELK TPBGL COKN1A TOB1 COKN1A TOB1 COK1 FAM83D HTR3B SCOC GNB4 JUN	0.917031 0.9158435 0.913221 0.913221 0.92751 0.90979 0.908605 0.907702 0.9066315 0.906315 0.906315 0.903675 0.90273 0.903645 0.903675 0.90273 0.9038455 0.8895085 0.88953035 0.88953035 0.8895321 0.8893137	FLT1 EMP3 MCM10 GNA2 CXXC5 ALDH181 FAM728 PWP2 MAPK8IP1 DAR52 CLP55 HIST1H28L MTFR2 CLGN LMN81 PRS52 PLXNA2 CRH HIST1H3A EIF4E8P2 HNRNPDL GRAMD1A	0.824592 0.8238225 0.823391 0.822219 0.822024 0.819841 0.819841 0.8188415 0.818265 0.817379 0.8163995 0.8185646 0.816395 0.815845 0.813918 0.813918 0.813945 0.813945 0.813945 0.813945 0.813945 0.813945 0.813247 0.81252	ABCB6 RAB33A ATP6V1E2 MKI67 DSCC1 G6PC3 DPP7 CDK2AP1 RABEPK ATP1B1 KIF26A LDB2 SLC25A19 USP1 KLHL23 DTL TIUBB8 CHML FAM57A CDS8	0.758094 0.7579695 0.7579695 0.7579590 0.750291 0.756204 0.753205 0.753215 0.752315 0.752315 0.752315 0.75215 0.752015 0.752015 0.752015 0.752015 0.752015 0.752015 0.752015 0.742015 0.749208 0.7482015		
CDC7 SQLE HISTH/2BM FAM1078 LGALS1 SERTAD4 GAL P2RY6 RPL22L1 KCNJ8 RRM2 CDCA3 RRM2 CDCA32EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 S1	1.2951395 1.295074 1.293814 1.290807 1.2886055 1.2842955 1.2842955 1.2842955 1.2642955 1.264295 1.2642935 1.2642935 1.2642935 1.2642935 1.2642935 1.2642935 1.2642935 1.2642935 1.2642935 1.2642935 1.2642935 1.2642935 1.2642935 1.2642935 1.2642935 1.2642935 1.2642935 1.2642935 1.2642935 1.264295 1.224605 1.224605 1.224605 1.224605 1.224605 1.224605 1.224605 1.224605 1.224605 1.224605 1.224605 1.224605 1.224605 1.264295 1.224695 1.224765 1.224765 1.224695 1.224765 1.224765 1.224765 1.224695 1.224765 1.224695 1.224765 1.224765 1.224695 1.224765 1.224695 1.224765 1.224765 1.224695 1.224765 1.224695 1.224765 1.224695 1.224695 1.224765 1.224695 1.224695 1.224765 1.224695 1.24695 1.24695 1.24695 1.24695 1.24695 1.24695 1.24695 1.24695 1.24695 1.24695 1.24695 1.24695 1.24695 1.24695 1.246	GSTT2 GPV19L1 CAPN6 GALNT6 TH DCLRELA HIST2H3A HPCAL1 PTPA42 PRS53 AURK8 UBE2C FAM27E3 MCHR1 LIFT57 KFNA3 PSRC1 GSRP2 HNRNPH3 DIAPH3 GMNN	1.045235 1.0420825 1.0420875 1.0410675 1.0400307 1.034652 1.034682 1.034697 1.034682 1.024699 1.032482 1.0262955 1.026825 1.026825 1.0268925 1.0268925 1.016883 1.016815 1.0146815 1.0144755 1.013496 1.013496 1.01349 1.01341 1.01348 1.003481 1.003481 1.003481 1.007485	PCSK1 DDX21 DXX21 ARHGAP36 CRIP1 BORC57-ASM UCP2 DNPEP SLC25A43 HIST2HZAB MYO19 LYM MELK TPBGL CDKN1A TOB1 CDK1 FAM83D HTR3B SCOC GNB4 JUN RM11 SNRNP27	0.917031 0.9158435 0.913221 0.913221 0.902751 0.90979 0.908605 0.907022 0.9066315 0.906315 0.906315 0.903675 0.902073 0.903675 0.902073 0.903645 0.903675 0.8985085 0.8885085 0.8895085 0.889311 0.890321 0.8890321 0.8890321	FLT1 EMP3 MCM10 GNA2 CXXC5 ALDH1B1 FAM728 PWP2 MAPK8IP1 DAR52 CEP55 HIST1H28L MTFR2 CLGN LMN61 PRS52 CRH HIST1H3A CRH HIST1HA H	0.824592 0.8238225 0.8238215 0.822824 0.820824 0.81896115 0.8189615 0.816965 0.816995 0.816995 0.816995 0.816995 0.815845 0.815845 0.813945 0.813945 0.813947 0.81047 0.81070707 0.81070707 0.81070707070707070000000000000	ABCB6 RAB33A ATP6V1E2 MKI67 DSCC1 G6PC3 DPP7 CDK2AP1 RABEPK ATP1B1 KIF26A LDB2 SLC25A19 USP1 KIHL23 DTL TUBP3 TUBP8 CHML FAM57A CDS8 PAQR8 PAQR8	0.758199 0.7579095 0.7579095 0.7579305 0.757039 0.750205 0.753235 0.753235 0.753245 0.752315 0.752245 0.752245 0.7520205 0.7510205 0.7502055 0.7492085 0.7492085 0.7492085 0.7492085		0.7004865
CDC7 SQLE HISTH/2BM FAM107B LGALS1 SERTAD4 GAL P2RY6 GAL RPU22L1 KCN/8 HSJST2 CDC42EP3 LMNA S100A10 CCYSLTR2 CDC42EP3 LMNA S100A10 CCYSLTR2 FGF1 TYMS CDC45	1.2951395 1.295074 1.293614 1.293614 1.293697 1.286055 1.287473 1.28544 1.2848955 1.2717995 1.26594 1.261845 1.251905 1.243045 1.251905 1.243045 1.2217075 1.2217075 1.2150285 1.2151295	GSTI2 GPV19L1 CAPN6 GALNT6 TH DCLRE1A HIST2H3A HIST2H3A AURK8 UBE2C AURK8 UBE2C GRN2 HINRNPH3 DIAPH3 GMNN BAALC MPHOSPH6	1.045235 1.0420825 1.0420825 1.0420875 1.0419675 1.040307 1.034632 1.034609 1.034639 1.024695 1.023682 1.022596 1.0262955 1.016815 1.016815 1.016815 1.0142565 1.013496 1.013496 1.01349 1.010338 1.0079265 1.007225	PCSK1 DDX21 DX21 ARHGAP36 CRIP1 BR0R57-A81 UCP2 DNPEP SLC25A43 SLC25A43 NYO19 LYN MELK DK12A2 DK14 TOB1 CDK11 FAM83D HTR38 SCOC GNB4 SCOC GNB4 JUN RM11 SNRNP27 IER2	0.917031 0.9158435 0.913221 0.9122751 0.90979 0.908605 0.907702 0.906702 0.906702 0.906315 0.9003675 0.9026315 0.9026315 0.9026315 0.902632 0.9036455 0.8985085 0.8985085 0.889526 0.889526 0.8895213 0.88948555 0.8893171 0.8892213 0.8890327 0.8890327 0.8890327	FLT1 EMP3 MCM10 GNA2 CXXC5 ALDH1B1 FAM72B PWP2 MAPK8IP1 DAR52 CEP55 HIST1H2BL MTFR2 CLGN LMNB1 EMS2 PXNA2 CRH HIST1H3A EIF4EP2 HNRNPDL GRAMD1A TTYH3 SLC18A2	0.824592 0.8238225 0.823921 0.822391 0.822219 0.820824 0.818941 0.818941 0.818941 0.818265 0.817379 0.8165945 0.8165945 0.8165945 0.81595 0.81594 0.813918 0.813918 0.813926 0.81397 0.81157 0.810976	ABCB6 RAB33A ATP6V1E2 MKI67 DSCC1 G6PC3 DPP7 CDK2AP1 KIF26A LDB2 CDK2AP1 KIF26A LDB2 SIC25A19 USP1 KLHL23 DTL TIMP3 TUB88 CHML FAM57A CDS8 PAQR8 CCN81 RET	0.758199 0.7579695 0.7579695 0.7579305 0.757930 0.75021 0.75021 0.753212 0.753212 0.753212 0.753212 0.752125 0.752125 0.752105 0.752025 0.7549265 0.7497825 0.7497825 0.749265 0.748415 0.748265 0.748275		
CDC7 SQLE HISTH12BM FAMI078 LGALS1 SERTAD4 GAL P2RY6 RPL22L1 KCNJ8 HS3ST2 CDC43 EP32 CDC432EP3 LMNA S100A10 CYSLTR2 HELLS S100A10 CYSLTR2 HELLS SM02K1 GFB1 TYMS CDC43 EP3MC3IP	1.2951395 1.295074 1.293814 1.293814 1.293814 1.2986055 1.284695 1.2844955 1.2844965 1.2844965 1.2844965 1.2844965 1.2647935 1.266844 1.251095 1.243042 1.2321625 1.221768 1.221768 1.221708 1.2216085 1.2151295 1.2160825	GSTI2 GPV19L1 CAPN6 GALNT6 TH DCLRE1A HIS72H3A HPCAL1 PTP4A2 PRS33 AURK8 UBE2C FAM27E3 MCR1 IFT57 KFNA3 PSRC1 SU212 SU212 GKP2 HNRNPH3 DIAPH3 BAALC MPHOSPH6 NPTN	1.042235 1.042825 1.042825 1.042825 1.042875 1.042875 1.034652 1.034652 1.034652 1.034652 1.03487 1.029474 1.029872 1.029872 1.028725 1.028725 1.0187285 1.0144755 1.0144755 1.0144755 1.01349 1.01341 1.01349 1.01341 1.003825 1.007485 1.004275	PCSK1 D0X21 ARHGAP36 CRIP1 BORC57-ASM UCP2 DNPEP SIC25A43 HIST2H2A8 MYO19 LVN MELK TPBGL COKN1A TOB1 COKN1A TOB1 COKN1A TOB1 COK1 FAM83D HTR3B SCOC GNB4 JUN SNRNP27 IER2 FAM72C	0.917031 0.9158435 0.913221 0.913221 0.90279 0.908605 0.907702 0.9066315 0.906315 0.906315 0.903675 0.90273 0.903675 0.90273 0.9038455 0.8895085 0.889510 0.889317 0.889113 0.8891137 0.8889145	FLT1 EMP3 MCM10 GNA2 CXCS ALDH1B1 FAM728 PWP2 MAPK8IP1 DAR52 CEP55 HIST1H2B4 MTFR2 CLGN LIMNB1 HIST1H2B4 CRH HIST1H3B4 CRH HIST1H3B4 CRH HIST1H3B4 CRH HIST1H3B4 CRH HIST1H3B4 CRH HIST1H3B4 CRH HIST1H3B4 CRH HIST1H3B4 CRH HIST1H3B4 CRH HIST1H3B4 CRH HIST1H3B4 CRH HIST1H3B4 CRH HIST1H3B4 CRAMD1A CRH HIST1H3B4 CRAMD1A C	0.824592 0.8238225 0.823391 0.822219 0.820824 0.819841 0.819841 0.8188415 0.818265 0.818265 0.8161995 0.8161995 0.815646 0.813966 0.813966 0.81396 0.81396 0.81396 0.813262 0.813262 0.812847 0.81396 0.812847 0.810521 0.811521 0.8	ABCB6 RAB33A ATP6V1E2 MKI67 DSCC1 G6PC3 CDK2AP1 RABEPK ATP1B1 KIF26A LDB2 SIC25A19 USP1 KLH123 DTL TIMP3 TUBB8 CHML FAM57A CDS8 CCM51 RET DEK	0.758199 0.759004 0.7579059 0.757059 0.757059 0.75029 0.75029 0.75323 0.75323 0.753235 0.753235 0.753235 0.752315 0.752315 0.752315 0.752315 0.75235 0.752315 0.75235 0.74235 0.74255 0.74255 0.742555		
CDC7 SQLE HIST1H2BM FAM107B LGALS1 SERTAD4 GAL P2RY6 GAL P2RY6 GAL P2RY6 GAL P2RY6 CDCA3 RRM2 CDCA3 RRM2 CDCA3 S100A17 CDCA3 S100A17 CDCA3 S100A17 CDCA3 S10A17 CDCA3	1.2951395 1.295074 1.293814 1.290697 1.288055 1.287473 1.2845965 1.2845965 1.2717995 1.26694 1.2479875 1.26694 1.246945 1.266945 1.243042 1.231025 1.231025 1.2217075 1.2217075 1.2151295 1.201815	GSTIZ GPV19L1 CAPN6 GALNT6 TH PCRE1A HPCAL1 PTPA2 PRS33 AURK8 UBE2C FAM27E3 MCRR1 UT57 KPNA3 PSRC1 GKRP3 DIAPH3 GMNN DIAPH3 GMNN PSRA2 CSRP2 HNRNPH3 DIAPH3 GMNN PTN HIST3H2BB	1.045235 1.042825 1.042825 1.042825 1.0419675 1.040307 1.034652 1.034487 1.024693 1.024699 1.025956 1.025956 1.025956 1.025956 1.0142555 1.0142555 1.0144755 1.0144755 1.013481 1.0142455 1.013496 1.01341 1.01338 1.007485 1.007485 1.007485 1.0074875	PCSK1 DDX21 DXX21 ARHGAP36 CRIP1 SBOR57-ASM UCP2 SIC25A43 HIST2HZAB WYO19 LYN MELK TPBGL CDKN1A TOB1 CDK1 FAM83D HTR3B SCOC GNB4 JUN RM11 JUN RM11 JUN RM11 FAM827 IER2 FAM72C	0.917031 0.9158435 0.9158435 0.9152435 0.90279 0.908605 0.907702 0.906702 0.906319 0.906319 0.906319 0.906319 0.906319 0.906349 0.906345 0.89526 0.89526 0.889526 0.889526 0.889526 0.889526 0.88948555 0.8894811 0.8890321 0.8890321 0.8890321 0.8890345 0.8890345 0.8896345 0.888045 0.888045 0.889045 0.890505 0.890505 0.890505 0.890505 0.890505 0.890505	FLT1 EMP3 MCM10 GNAZ OXXCS ALDH1B1 FAM72B PWP2 MARKBIP1 DAR52 CEP55 HIST1H2BL MTFR2 CLGN LIMNB1 PSS2 PLXNA2 CRH HIST1H3A EIF4EBP2 EIF4EBP2 ANGPTL2 DF1	0.824592 0.8238225 0.8238215 0.822824 0.812841 0.8182615 0.818941 0.8182615 0.816945 0.816945 0.816945 0.816945 0.815845 0.815845 0.815845 0.813945 0.813945 0.813947 0.81394 0.81397 0.81397 0.81287 0.81287 0.81027 0.81097 6.81097 0.809966 0.80998675	ABCB6 RAB33A ATP6V1E2 MKI67 DSCC1 GGPC3 DPP7 CDK2AP1 CDK2AP1 KIF26A LDB2 SIC25A19 USP1 KIF26A LDB2 SIC25A19 USP1 KIH23 DTL TIMP3 TUB88 CHML FAM57A CD58 PAQR8 CCN81 RET DEK RND3	0.758199 0.759004 0.757905 0.757059 0.757059 0.75029 0.753205 0.753205 0.753215 0.753215 0.752125 0.752125 0.752125 0.752025 0.750255 0.7492795 0.7492795 0.7492415 0.7492415 0.7492415 0.749245 0.749245 0.749245 0.742925 0.74925		
CDC7 SQLE CDC7 SQLE HISTH/2BM LGALS1 SERTAD4 GAL P2RY6 GAL RP2RY6 CDC42EP3 LMNA S100A10 CCVSLTR2 CDC42EP3 LMNA S100A10 CCVSLTR2 FR11 TYMS CDC45 PSMC31P FRMD3 DCK	1.2951395 1.295074 1.293614 1.293614 1.293697 1.286055 1.287473 1.2848965 1.2717995 1.2648945 1.2648945 1.264945 1.251905 1.243042 1.2217075 1.223655 1.227768 1.2217075 1.2150885 1.21510885 1.21510885 1.21510885 1.2056455 1.2056455 1.205485	GSTT2 GPV19L1 CAPN6 GALNT6 TH DCLRE1A HIST2H3A HIFA21 HVGA11 PTFA2 AURKB UBE2C FAM27E3 AURKB UBE2C GKP2 HNRNPH3 DIAPH3 GMNN BAALC MPHOSPH6 NPTN HIST3H2BB KNTC1	1.042235 1.0420825 1.0420825 1.0420875 1.0419675 1.040307 1.034632 1.034609 1.034632 1.024695 1.023682 1.022596 1.0262955 1.028725 1.0187285 1.016815 1.0142565 1.0142565 1.0142565 1.0142455 1.0104285 1.00072265 1.0007265 1.0001207	PCSK1 DDX21 DX21 ARHGAP36 CRIP1 BR0R57-ABM UCP2 DNPEP SIC25A43 SIC25A43 SIC25A43 HIST2HZAB HIST2HZAB HIST2HZAB COK1 FAM830 HITR38 SCOC GNR4 JUN RM12 SIRNP27 IER2 FAM72C PFIBP2 PFIBP2 HIST1H2BF	0.917031 0.913241 0.913221 0.913221 0.913221 0.90379 0.908605 0.907702 0.906702 0.906702 0.906315 0.903675 0.903675 0.902673 0.903645 0.9036455 0.898526 0.898526 0.889526 0.889526 0.889121 0.889121 0.889121 0.889145 0.888145 0.8	FLT1 EMP3 MCM10 GNA2 CXXC5 ALDH1B1 FAM728 PWP2 MAPK8IP1 DAR52 CEP55 HIST1H2BL MTFR2 CGN LMNB1 PKS52 PKS52 PKS52 CRH HIST1H3A EIF4EBP2 MNRMD1A TTYH3 SICI8A2 PKF12 PF1 PH1D1	0.824592 0.8238225 0.823921 0.822391 0.822219 0.820824 0.818941 0.818941 0.818265 0.817379 0.8165945 0.8165945 0.8165945 0.81546457 0.815451 0.815454 0.813946 0.813946 0.813946 0.813947 0.813947 0.81394 0.81326 0.81357 0.810821 0.81077 0.809766 0.8093625 0.8089575	ABCB6 RAB33A ATP6V1E2 MKI67 DSCC1 G6PC3 DPP7 OKZAP1 RABEPK ATP181 KIF26A LDB2 SCC25A19 USP1 KIF26A LDB2 USP1 TIMP3 TUB88 CHML FAM57A CDS8 PAQR8 CCN81 RET DEK RND3 MCM6	0.758199 0.759004 0.757905 0.757059 0.757059 0.757059 0.753205 0.753205 0.753205 0.753205 0.753215 0.753215 0.752120 0.752120 0.752120 0.752120 0.752120 0.742075 0.7424705 0.744975 0.7448015 0.7448015 0.747075 0.743075 0.743075		
CDC7 SQLE HISTH/2BM FAMI078 LGAL51 SERTAD4 GAL P2RY6 RPL22L1 KCN/8 RM22 CDCA3 RRM2 CDC42EP3 LMNA CO542EP3 LMNA CY5LTR2 HELL5 S100A10 CY5LTR2 HELS5 S100A10 CY5LTR2 HELS5 BMP2K TYMS CDC45 P5MC3IP FRMD3 DCK NSG1	1.2951395 1.295074 1.293814 1.290807 1.2848055 1.2848055 1.2848965 1.2848965 1.2848965 1.2848965 1.2848965 1.2849965 1.2647935 1.266784 1.251905 1.243042 1.231625 1.2217058 1.2217075 1.2207685 1.2217075 1.2207685 1.2217075 1.2207685 1.2217075 1.2207685 1.2217075 1.2207685 1.2217075 1.2207685 1.2217075 1.2026625 1.2021815 1.2026815 1.2021815 1.2026815	GSTI2 GPV19L1 CAPN6 GALNT6 TH DCLRELA HIST2H3A HPCAL1 PTPA42 PRS53 AURK8 UBE2C FAM27E3 MCHR1 UBE2C FAM27E3 MCHR1 UIF27 KENA3 PSRC1 GMNN GMNN GMNN GMNN GMNN GMAC GMNN HIST3H2B8 KNTC1 ENC1	1.045235 1.042825 1.042825 1.042825 1.043007 1.034652 1.03469 1.034487 1.024974 1.024974 1.022956 1.0208725 1.0128725 1.0128725 1.0142565 1.01341 1.01349 1.00381 1.0074255 1.00348 1.007425 1.001475 1.0018175 1.0018175	PCSK1 DDX21 DXX21 ARHGAP36 CRIP1 BDRC57-ASM UCP2 SL025A43 HIST2H2AB MY019 LVN MY019 LVN MY019 LVN MY019 LVN MFLK TPBGL CDKN1A TOB1 CDK1 FAM83D HTR3B SCOC GNB4 JUN SNRNP27 IER2 FAM72C PPFIBP2 HIST1H2BF MCUR1	0.917031 0.9158435 0.9158435 0.9152435 0.90790 0.908605 0.907702 0.907002 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.80850 0.838064 0.838504 0.8885445 0.8887442 0.887642 0.887642	FLT1 EMP3 MCM10 GNAZ CXXCS ALDH1B1 FAM72B PWP2 MAPK8IP1 DAR52 CEP55 HIST1H2BL MTFR2 CIGN PK52 PLXNA2 CRH HIST1H2BL GRAMD1A TTYH3 SIC18A2 ANGPTL2 PP11 PH1D1 RELN	0.824592 0.8238225 0.8238215 0.822824 0.820824 0.818941 0.8189415 0.8189415 0.818945 0.816945 0.816945 0.816945 0.816945 0.816945 0.816945 0.815815 0.813945 0.813945 0.813945 0.813945 0.813945 0.813945 0.813945 0.813945 0.813945 0.812845 0.813945 0.812845 0.810871 0.810871 0.810875 0.8039655 0.80398575 0.8053735	ABCB6 RAB33A ATF6V1E2 MKI67 DSCC1 G6PC3 DPP7 CDK2AP1 CDK2AP1 CDK2AP1 CDK2AP1 CDK2AP1 CDK2AP1 CDK2AP1 CDF2 CDK2AP1 CDF2 SLC25A19 USP1 CDF2 CDK2AP1 CDF2 SLC25A19 CDF2 CDF2 CDF2 CDF2 CDF2 CDF2 CDF2 CDF2	0.758199 0.759094 0.7579059 0.757059 0.757059 0.757059 0.753235 0.753235 0.753235 0.753235 0.753235 0.753235 0.753235 0.752315 0.752325 0.752325 0.752325 0.752325 0.7492055 0.7490555 0.7		
CDC7 SQLE CDC7 SQLE HISTH/EMR FAM107B LGALS1 SERTAD4 GAL P2RY6 GAL P2RY6 GAL P2RY6 GAL P2RY6 CDC3 CDC3 CDC3 CDC3 CDC3 CDC3 CDC3 CDC	1.2951395 1.295074 1.293814 1.293814 1.293814 1.293814 1.293897 1.28545 1.2848965 1.2848965 1.217995 1.26694 1.2673875 1.26694 1.2673875 1.26594 1.251905 1.243045 1.251905 1.243045 1.2217075 1.2205655 1.227768 1.2217075 1.205685 1.2217075 1.205685 1	GSTIZ GPV19L1 CAPN6 GALNT6 TH PCRL1 HIST2H3A AURX8 UBE2C UBE2C UBE2C KPNA3 AURX8 UBE2C KPNA3 HNRNP3 DIAPH3 GMNN BAALC MPHOSPH6 NPTN HIST3H2B8 KNTC1 ENC	1.045235 1.0428275 1.0428275 1.0419675 1.0409307 1.034652 1.034609 1.03467 1.024974 1.022954 1.022955 1.023682 1.022956 1.024525 1.0142565 1.0142565 1.013481 1.0142565 1.013496 1.01341 1.010388 1.007485 1.001429 1.001429 1	PCSK1 DDX21 DX21 ARHGAP36 CRIP1 BR0R57-ASM UCP2 DNPEP SIC25A43 HIST2H2A8 MYO19 LYM MELK TPBGL CDK11 FAM83D HTR3B CDK1 CDK1 CDK1 CDK1 CDK1 CDK1 CDK1 CDK1	0.917031 0.9152435 0.913221 0.9122751 0.90979 0.908605 0.907702 0.9067192 0.906315 0.906319 0.906319 0.906319 0.906319 0.903675 0.902637 0.9026375 0.9026375 0.8985085 0.8985085 0.893521 0.8948555 0.889119 0.8889445 0.888769 0.888769 0.888769	FLT1 EMP3 MCM10 GNAZ OXXCS ALDH1B1 FAM728 PWP2 MARK8IP1 DAR52 CEP55 HIST1H2BL MTFR2 CLGN LIMNB1 PKS2 PLXNA2 CRH HIST1H3A EIF4EBP2 ANGPU2 DPF1 PH101 RELN MCCM2	0.824592 0.8238225 0.8238215 0.822821 0.822824 0.8189115 0.818265 0.8189115 0.818265 0.8163945 0.8163945 0.8163945 0.8163945 0.815846 0.813948 0.8138965 0.813918 0.81394 0.813276 0.81226 0.81247 0.81027 0.810576 0.8089575 0.8089575 0.8089575 0.8089575	ABCB6 RAB33A ATP6V1E2 MKI67 DSCC1 G6PC3 DPP7 CDK2AP1 RABEPK ATP181 KIF26A LD82 SIC25A19 USP1 KIF26A LD82 USP1 KIH123 DTL TIMP3 CKIH123 DTL TIMP3 CKIH123 CCS8 CHML FAM57A CD58 PAQR8 CCN81 RET DEK RND3 MCM6 ADAMT57 PNP	0.758199 0.759004 0.757059 0.757059 0.757059 0.757059 0.753205 0.753126 0.753126 0.753126 0.753126 0.753126 0.753212 0.753205 0.752125 0.752025 0.745279 0.749279 0.749205 0.748205 0.742295 0.743295 0.743295 0.743295 0.743295 0.743295		
COC-7 SQLE CDC-7 SQLE HISTH12BM FAMI07B LGAL51 SERTAD4 GAL P2RY6 GAL P2RY6 RPL22L1 KCNJ8 HS3ST2 CDCA3 RRM2 CDCA2EP3 LMNA CV5LTR2 HELLS KIAA0125 BMP2K TGFB1 TYMS SI00A10 CY5LTR2 HELLS KIAA0125 BMP2K TGFB1 TYMS SI00A10 CY5LTR2 HELLS KIAA0125 BMP2K TGFB1 TYMS SI00A10 CY5LTR2 HELLS KIAA0125 BMP2K KIAA0125 BMP2K KIAA0125 BMP2K KIAA0125 BMP2K KIAA0125 BMP2K KIAA0125 SI00A10 CY5LTR2 HISTH2A0 CHAS SI00A10 CY5LTR2 FRM03 DCK KIAS SIC25A32 SI00A10 CY5LTR2 FRM03 SIC25A32 SI00A10 CY5LTR2 FRM03 SIC25A32 SI00A10 CY5LTR2 FRM03 SIC25A32 SI00A10 CY5LTR2 FRM03 SIC25A32 SIC35A32 SIC35A33 SIC35A33 SIC35A33 SIC35A33 SIC35A33 SIC35A33 SIC35A33 SIC35A33 SIC35A33 SIC35A33 SIC35A33 SIC35A33 SIC35A33 SIC35A33 SIC35A33 SIC35A33 SIC35A33 SIC35A33 SIC35A33 SIC3	1.2951395 1.295074 1.293814 1.290804 1.2986055 1.2846055 1.2848055 1.2848055 1.2848055 1.2848055 1.2848055 1.2848055 1.284805 1.2717995 1.2667395 1.2667395 1.2647395 1.2647395 1.2647395 1.2647395 1.2647395 1.2647395 1.264935 1.221768 1.221768 1.221768 1.221768 1.221765 1.2208625 1.201815 1.2005485 1.2005485 1.20181681 1.179775 1.205845	GSTT2 GPV19L1 CAPN6 GALNT6 TH DCLRE1A HIST2H3A HVGA11 PTFA2 AURK8 UBE2C FAM27E3 MORR1 IFT57 SUZ12 CGRP2 HNRNPH3 DIAPH3 GMNN BAALC GMNN BAALC MPHOSPH6 NPTN HIST3H288 KNTC1 ENC1 SUZ12 CGRP2 HNRNPH3 DIAPH3 GMNN BAALC MPHOSPH6 NPTN HIST3H288 KNTC1 ENC1 SUZ12 CGRP2 GMNN BAALC MPHOSPH6 NPTN HIST3H288 KNTC1 ENC1 SUZ12 CGRP2 GMNN BAALC MPHOSPH6 NPTN HIST3H288 KNTC1 ENC1 SUZ12 CGRP3 GMNN BAALC MPHOSPH6 NPTN HIST3H288 KNTC1 ENC1 SUZ12 GMNN BAALC MPHOSPH6 NPTN HIST3H288 KNTC1 ENC1 SUZ12 GMNN BAALC MPHOSPH6 NPTN HIST3H288 KNTC1 ENC1 SUZ12 GMNN BAALC MPHOSPH6 NPTN HIST3H288 KNTC1 ENC1 SUZ12 GMNN BAALC MPHOSPH6 NPTN HIST3H288 KNTC1 ENC1 SUZ12 GMNN BAALC MPHOSPH6 NPTN HIST3H288 KNTC1 ENC1 SUZ12 GMNN BAALC MPHOSPH6 NPTN HIST3H288 KNTC1 ENC1 SUZ12 GMNN BAALC MPHOSPH6 NPTN HIST3H288 KNTC1 ENC1 SUZ12 GMNN BAALC	1.042235 1.0420825 1.0420825 1.0420875 1.0419675 1.040307 1.034609 1.034609 1.034632 1.024625 1.03487 1.022462 1.022596 1.022596 1.0262955 1.0187285 1.0187285 1.0187285 1.0184265 1.0144755 1.0144755 1.01442565 1.014345 1.013438 1.0079265 1.004295 1.004295 1.004295 1.004295 1.004295 1.004295 1.004295 1.004295 1.0042175 1.004295 1.0042175 1.004295 1.0042175 1.004295 1.0042175 1.004295 1.0042175 1.004295 1.0042175 1.004295 1.0042175 1.004295 1.0042175 1.004295 1.004295 1.0042175 1.004295	PCSK1 DDX21 DX21 ARHGAP36 CRIP1 BR0R57-AB4 NF2P DNPEP SLC25A43 VICP4P SLC25A43 VICP4P SLC25A43 VICP4P VICP4 VICP4 VICP4 CDK1 FAM830 HTR38 COK1 COK1 FAM830 HTR38 SCOC GN84 JUN RM1 SNRNP27 IER2 FAM72C PPFIBP2 FAM72C PPFIBP2 SM12BFF MCUR1 RM12 SM12BFF MCUR1 SM12BFF SM12B	0.917031 0.913241 0.913221 0.913221 0.913221 0.90379 0.908605 0.907702 0.906315 0.903675 0.903675 0.903675 0.903675 0.9036475 0.9036475 0.9036475 0.8985085 0.8985085 0.889520 0.889521 0.889521 0.8891375 0.88901375 0.88901375 0.88901375 0.88901375 0.88901375 0.88901375 0.88901375 0.88901375 0.88901375 0.88901375 0.88901375 0.88901375 0.88901375 0.88901375 0.88901375 0.88901375 0.88901375 0.88901375 0.889139 0.8886445 0.887542 0.887542 0.887542 0.887542 0.887542 0.887542	FLT1 EMP3 MCM10 GNA2 CXXC5 ALDH181 FAM728 PWP2 MAPK8IP1 DAR52 CEP55 HIST1H28L MTFR2 CGN LMNB1 PK322 CRH HIST1H3A EIF4EP2 MIRNNPDL GRAMD1A TTYH3 SIC18A2 PNCP12 POF11	0.824592 0.8238225 0.823921 0.822391 0.822219 0.820824 0.818941 0.818941 0.818941 0.818265 0.817379 0.8163945 0.8163945 0.8163945 0.81584 0.815846 0.81396 0.81396 0.81398 0.813926 0.81392 0.81327 0.810821 0.810821 0.81077 0.809766 0.8099255 0.8098255 0.8068015 0.805226 0.805226 0.805226 0.805226	ABCB6 RAB33A ATP6V1E2 MKI67 DSCC1 GGPC3 DPP7 CDK2AP1 KIF26A LDB2 CDK2AP1 KIF26A LDB2 SIC25A19 USP1 TUB88 SIC25A19 USP1 TUB88 CIML FAM57A CDS8 PAQR8 CCM81 RET DEK RND3 MCM6 ADAMTS7 PNP	0.758199 0.759004 0.757905 0.7579305 0.757059 0.757059 0.753205 0.753205 0.753215 0.753215 0.753215 0.752122 0.752122 0.752122 0.752125 0.749279 0.749279 0.7494795 0.7494795 0.749405 0.749527 0.749527 0.749525 0.749527 0.749525 0.749527 0.749525 0.749527 0.749525 0.7495555 0.7495555 0.7495555 0.749555555555555555555555555555555555555		
CDC7 SQLE CDC7 SQLE HISTH/EMR FAMI078 LGALS1 SERTAD4 GAL P2RY6 RPL22L1 KCN/8 HS3ST2 CDCA3 RRM2 CDC42EP3 LMNA CV5LTR2 HELLS S100A10 CV5LTR2 HELS5 S100A10 CV5 S10 CV5 S10 CV5 CV5 CV5 CV5 CV5 CV5 CV5 CV5 CV5 CV5	1.2951395 1.295074 1.293814 1.290807 1.2886055 1.2845055 1.2845055 1.2845055 1.2845055 1.2845055 1.2845055 1.2845055 1.2647935 1.205655 1.227768 1.2151295 1.205665 1.22151295 1.205665 1.22151295 1.205665 1.2021815 1.205665 1.2021815 1.2026825 1.2021815 1.2026825 1.2021815 1.2026825 1.2021815 1.2026825 1.2021815 1.2026825 1.2021815 1.2026825 1.2021815 1.2026825 1.2021815 1.2026825 1.2021815 1.2026825 1.2021815 1.2026825 1.2021815 1.2026825 1.2021815 1.2026825 1.202785 1.2026825 1.2026825 1.2026825 1.202785 1.2026825 1.202785 1.2026825 1.2026825 1.2026825 1.2026825 1.202785 1.2026825 1.202685 1.202685 1.202685 1.2	GSTIZ GPV19L1 CAPN6 GALNT6 TH DCLRELA HIST2H3A HPCAL1 PTPA2 PRS33 AURK8 UBE2C FAM27E3 MCHR1 UBE7C IFT57 KFNA3 PSRC1 GMNN BAALC MPHOSH6 MPHOSH6 MPHOSH6 NPTN HIST3H2BB KNTC1 ENC1 NRM SH2BB CALL SH2BB CALL SH2BB CALL	1.045235 1.0428275 1.0428275 1.0419675 1.040307 1.034652 1.03469 1.034487 1.024675 1.024629 1.03482 1.0262955 1.023682 1.0262955 1.023682 1.0262955 1.0142755 1.0142755 1.0142755 1.01349 1.0142755 1.01349 1.00381 1.0074855 1.00349 1.0074855 1.0014275 1.001207 1.00117 1.00117 1.000114 0.0997209 0.9997209 0.9997209	PCSK1 DDX21 DXX21 ARHGAP36 CRIP1 BDRC57-ASM UCP2 SLC25A43 HIST2H2A8 MYO19 LYN MELK TPBGL CDKN1A TOB1 CDK1 FAM83D HTR38 SCOC GNR4 JUN RMI1 SNRNP27 IER2 FAM72C PFIBP2 HIST1H2BF MCUR1 RM12 SINRP27 IER2 FAM72C	0.917031 0.9158435 0.9158435 0.9158435 0.91582435 0.907702 0.908605 0.907702 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906315 0.80856 0.895035 0.889645 0.889645 0.888644 0.888644 0.888644 0.888742 0.888742 0.888742 0.888742 0.888742 0.888742 0.888742 0.888742 0.888745 0.88875 0.888745 0.888745 0.88875 0.8875 0.88875 0.88875 0.88875 0.88875 0.88875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8875 0.8975 0.9975 0.9975 0.9975 0.9975 0.9975 0.9975 0.9975 0.9975 0.9975 0.99	FLT1 EMP3 MCM10 GNAZ CXXCS ALDH1B1 FAM728 PWP2 MAFK8IP1 DAR52 CEP55 HIST1H28L MTFR2 CGN LMNB1 PK522 VLMAR CGN LMNRD GRAMD1A TTYH3 SIC18A2 ANGPTL2 PF1 PH1D1 EK0PH1 EK0PH2	0.824592 0.8238225 0.8238215 0.8238215 0.820824 0.818941 0.818265 0.8189415 0.8189415 0.8189415 0.818945 0.816945 0.816945 0.816945 0.816945 0.816945 0.815845 0.813945 0.813947 0.813947 0.813947 0.813947 0.813947 0.813947 0.813947 0.813947 0.813947 0.813947 0.813947 0.813947 0.813947 0.813947 0.813947 0.813947 0.813947 0.813947 0.810947 0.8059375 0.8055325 0.805535 0.8055555 0.8055555 0.8055555555555555	ABCB6 RAB33A ATF6V1E2 MKI67 DSCC1 GSC1 GPP7 CDK2AP1 CDK2AP1 CDK2AP1 CDK2AP1 CDK2AP1 CDF2 CDK2AP1 CDF2 CDF2 CDF2 CDF2 CDF2 CDF2 CDF2 CDF2	0.758199 0.759004 0.7579030 0.757059 0.750590 0.750590 0.750293 0.753205 0.753205 0.753215 0.752315 0.752315 0.752315 0.752315 0.752315 0.752315 0.752315 0.752315 0.752315 0.752315 0.752315 0.752315 0.752315 0.752315 0.7424785 0.7442485 0.744295 0.743975 0.743975 0.743975 0.743975 0.743975 0.743975 0.743975 0.743975		
CDC7 SQLE CDC7 SQLE HISTH/EMR FAM107B LGALS1 SERTAD4 GAL P2RY6 GAL P2RY6 GAL P2RY6 GAL P2RY6 CDC3 CDC3 CDC3 CDC3 CDC3 CDC3 CDC3 CDC	1.2951395 1.295074 1.293814 1.293814 1.293814 1.293814 1.293814 1.293814 1.283747 1.28545 1.2848965 1.2848965 1.217995 1.2678875 1.26694 1.241095 1.241095 1.241095 1.241095 1.24105 1.221768 1.221768 1.221768 1.221765 1.222768 1.222768 1.2217075 1.2205655 1.2217075 1.205655 1.205655 1.205655 1.2217075 1.205655 1	GSTIZ GPV19L1 CAPN6 GALNT6 TH DCLRE1A HIST2H3A HIVA2 PTRA2 PTRA3 AURK8 UBE2C KPRA3 AURK8 UBE2C KPRA3 AURK8 UBE2C KPRA3 FSRC1 SUZ12 CSRP2 HNRNPH3 DIAPH3 GMNN BAALC MPHOSPH6 NPTN HIST3H2B8 KNTC1 ENC1	1.045235 1.042825 1.042825 1.042825 1.0419675 1.040307 1.034632 1.034609 1.034632 1.024695 1.023682 1.022596 1.022596 1.022596 1.024525 1.014256 1.0142565 1.0142565 1.0142565 1.0142565 1.0142475 1.014255 1.014295 1.0104295 1.001292 1.00127 1.000174 1.00127 1.00127 1.000174 1.0000174 1.0000174 1.0000174 1.0000174 1.0000174 1.0000174 1.000000000	PCSK1 DDX21 DX21 ARHGAP36 CRIP1 BORC57-ASM UCP2 DNPEP SIC25A43 SIC25A43 SIC25A43 HIST2H2A8 MYO19 LYN MELK TPBGL CDK11 COK11 COK11 COK1 COK1 COK1 COK1 COK1	0.917031 0.9158435 0.913221 0.913221 0.90279 0.908605 0.907702 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.903675 0.902073 0.9026319 0.903849 0.898082 0.889082 0.889526 0.889213 0.8894855 0.889119 0.888044 0.887842 0.887842 0.887845 0.887845 0.887845 0.887842 0.887845 0.897845 0.897845 0.897845 0.897845 0.897845 0.897845 0	FLT1 EMP3 MCM10 GNA2 CXXC5 ALDH1B1 FAM728 PW2 MAPK8IP1 DAR52 CFP55 HIST1H28L MTFR2 CLGN HIST1H28L MTFR2 CLGN EKNR2 PXN22 CRH HIST1H3A EIF4EBP2 CRH HIST1H3A EIF4EBP2 GRAMD1A TTVH3 SLC18A2 ANGPTL2 DPF1 PHID1 RELN MCM2 ENOPH1 EXOSC5 TUB848 HIST1H3A	0.824592 0.8238225 0.823921 0.822391 0.822219 0.820824 0.818941 0.818941 0.818941 0.818941 0.818941 0.818941 0.818945 0.816945 0.816945 0.816945 0.816945 0.816945 0.81584 0.813918 0.813918 0.813918 0.813918 0.813926 0.81397 0.8039756 0.8039756 0.8039755 0.8069375 0.8069375 0.805226 0.805275 0.805575 0.805575 0.805575 0.805575 0.805575 0.805575 0.805575 0.805575 0.805575 0.805575 0.805575 0.805575 0.805575 0.805575 0.805575 0.805575 0.805575	ABCB6 RAB33A ATP6V1E2 MKI67 DSCC1 G6PC3 DPP7 CDK2AP1 KIF26A LDB2 CDK2AP1 KIF26A LDB2 USP1 KIF26A LDB2 USP1 KIF26A LDB2 USP1 KIH123 DTL TIMP3 CTL BB8 CHML FAM57A CDS8 CHML FAM57A CDS8 PAQR8 CCN81 RET DEK RND3 MCM6 ADAMT57 PNP HIST1H1B NCCA3 FLOD2 CCS5	0.758199 0.759004 0.757059 0.757059 0.757059 0.75029 0.753205 0.753205 0.7532125 0.7532125 0.7532125 0.7532125 0.752212 0.752025 0.752025 0.742795 0.7424815 0.742945 0.742945 0.742925 0.74295 0.742925 0.74295 0.74595 0.74595 0.74595 0.74595 0.74595 0.74595 0.74595 0.74595		
CDC7 SQLE CDC7 SQLE HISTH12BM FAMI078 LGALS1 SERTAD4 GAL P2RY6 RPL22L1 KCNJ8 FASST2 CDC43 EP32C CDC45 EP32C CDC45	1.2951395 1.295074 1.293814 1.293814 1.293814 1.293814 1.293814 1.28486055 1.2848905 1.2848905 1.2848905 1.2848905 1.2647935 1.2616845 1.251905 1.2647935 1.2616845 1.2216684 1.2216684 1.2216684 1.2216685 1.221768 1.2216685 1.221625 1.2206825 1.206855 1.20685	GSTT2 GPV19L1 CAPN6 GALNT6 TH DCLRE1A HIST2H3A HIFX2H3A HIFX2H3A AURK8 UB22C FAM27E3 AURK8 MCHR1 IFT57 KFNA3 PSRC1 SU212 CSRP2 GMNN BAALC MPHOSPH6 NPTN HIST3H2BB KNTC1 ENCL ENCL ENCL SU228 SU212 S	1.045235 1.0428275 1.0428275 1.0419675 1.040907 1.034652 1.034609 1.031487 1.023682 1.02595 1.023629 1.022595 1.023682 1.012595 1.01262955 1.0147265 1.0144755 1.0144755 1.0144755 1.0144755 1.0144755 1.0144755 1.0144755 1.0144755 1.0144755 1.0144755 1.0144755 1.0144755 1.0144755 1.0144755 1.0142955 1.001427 1.000127 1.000127 1.000114 0.997209 0.995569 0.999512 0	PCSK1 DDX21 DX21 ARHGAP36 CRIP1 BORC57-ASM UCP2 DNPEP SIC25A43 HIST2H2A8 MYO19 LIVN MELK TPRGL CDK1 FAM83D HTR3B COK1 FAM83D HTR3B SCOC GNB4 JUN RM11 SNRNP27 IER2 FAM72C PPFIBP2 FIBP2 FAM72C PPFIBP2 FIBP3 FIBP3	0.917031 0.913241 0.913221 0.913221 0.913221 0.90379 0.908605 0.907702 0.9066315 0.903675 0.903675 0.903675 0.903675 0.9036475 0.9036475 0.9036475 0.898505 0.898505 0.89948555 0.89948555 0.89943175 0.8991375 0.8891375 0.8891375 0.8891375 0.8891375 0.8891375 0.8891375 0.8891375 0.88914375 0.889445 0.888445 0.887842 0.88769 0.883749 0.883749 0.883749 0.8819025 0.881912 0.881912 0.88255 0.89555 0.89555 0.89555 0.895555 0.895555 0.895555 0.895555 0.89555	FLT1 EMP3 MCM10 GNAZ CXCS CXCS ALDH1B1 FAM72B PWP2 MAPK8IP1 DAR52 CEP55 HIST1H2BL MTFR2 CLGN LIMNB1 PKSS2 PLXNA2 CRH HIST1H2BL EIF4EBP2 HNRNPDL GRAMD1A TYH3 SLC18A2 ANGPTL2 PUPL10 ELNOPH1 PUH2D1 TUB4B TUBN4	0.824592 0.8238225 0.823821 0.822391 0.822219 0.820824 0.819841 0.8188415 0.818265 0.817379 0.8163995 0.815846 0.815846 0.815846 0.815846 0.815846 0.813896 0.813896 0.813896 0.813896 0.8138976 0.813896 0.81397 0.810821 0.809766 0.809526 0.805975 0.805192 0.80345 0.803455 0.805325 0.805355 0.8055555 0.8055555	ABCB6 RAB33A ATP6V1E2 MKI67 DSCC1 G6PC3 DPP7 CNK2AP1 RABEPK ATP181 KIH23 USP1 KIH23 USP1 KIH23 USP1 KIH23 USP1 TUBB8 CCN81 FAMS7A CMB1 RET DEK RND3 MCM6 ADAMTS7 PNP HIST1H1B NCOA3 PNOD2 CCR4	0.758199 0.759094 0.7579095 0.757093 0.757093 0.750293 0.750293 0.7532125 0.753215 0.7532125 0.753215 0.752121 0.752121 0.752125 0.752125 0.752125 0.7492815		
CDC7 SQLE CDC7 SQLE HISTH/EMR FAM1078 LGALS1 SERTAD4 GAL P2RY6 RPL22L1 KCN/8 HSST2 CDCA3 RRM2 CDC42EP3 LMNA CDC42EP3 LMNA CDC42EP3 LMNA COC42E	1.2951395 1.295074 1.293814 1.290807 1.2886055 1.284695 1.284695 1.284695 1.2717995 1.264695 1.2673875 1.26694 1.247935 1.2616845 1.251095 1.2217075 1.2616845 1.2217075 1.205655 1.2217075 1.205655 1.2217075 1.205655 1.2217075 1.205655 1.2217075 1.205655 1.2217075 1.205655 1.2217075 1.205655 1.201815 1.205785 1.205845 1.205785 1.205845 1.2	GSTIZ GPV19L1 CAPN6 GALNT6 TH PCRE1A HPCAL1 PTPA2 PRS33 AURK8 UBE2C FAM27E3 MCRR1 UBE7 KPNA3 PSRC1 GKRP SU212 CSRP2 KPNA3 DIAPH3 GMNN PSRC1 DIAPH3 GMNN PSRC1 NPTN HIST3H2BB KNTC1 ENC1 SH283 TLE3 PCNA MBNL3 NDUFAF6	1.045235 1.042825 1.042825 1.042825 1.0419675 1.040307 1.034652 1.034487 1.034487 1.024699 1.031487 1.024695 1.025956 1.025956 1.025956 1.025956 1.016883 1.016815 1.0142555 1.013481 1.0142555 1.013481 1.013481 1.01338 1.007485 1.00349 1.007485 1.007487 1.007485 1.0018175 1.0018175 1.0018175 1.0012956 1.001274 1.000174 1.0000174 1.000000000000000000000000000000000000	PCSK1 DDX21 DX21 ARHGAP36 CRIP1 SBOR57-ASM UCP2 SIC25A43 HIST2H2A8 MYO19 LYN MELK TPBGL CDKN1A TOB1 CDK1 CDK1 CDK1 CDK1 CDK1 CDK1 CDK1 CDK	0.917031 0.9158435 0.9158435 0.9158435 0.90790 0.908605 0.907702 0.906702 0.90702 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.902073 0.902073 0.902073 0.902073 0.902073 0.902073 0.902073 0.902073 0.902073 0.902073 0.902073 0.902073 0.902073 0.902073 0.898052 0.889032 0.8880445 0.888045 0.888015 0.8829455 0.882045 0.882945 0.882045	FLT1 EMP3 MCM10 GNAZ OXXCS ALDH1B1 FAM728 PWP2 MARK8IP1 DARS2 CEP55 HIST1H28L MTFR2 CGN LIMNB1 PKS22 PLXNA2 CRH HIST1H3A EIF4EBP2 EIF4EBP2 ANGPTL2 DF1 PHLD1 REUN MCM2 ENOPF1 TUBB48 TUPIN TCF12	0.824592 0.8238225 0.8238215 0.8238215 0.8220824 0.818941 0.8182615 0.8189415 0.8189415 0.8189415 0.816945 0.816995 0.816995 0.816995 0.815846 0.813948 0.813948 0.813948 0.813948 0.813948 0.813947 0.81394 0.81394 0.81394 0.81394 0.81397 0.81027 0.80093625 0.80037515 0.80037515 0.8003745 0.800375 0.	ABCB6 ARAB33A ATP6V1E2 MKI67 DSCC1 GOP7 CDK2AP1 RABERK ATP181 KIFZGA LDB2 SIC25A19 USP1 KLHL23 DT TIMP3 CDS8 PAQR8 CCN81 RET DEK RND3 MCM6 ADAMT57 PNP HIST1H1B NCCA3 PACR4 GRAM04	0.758199 0.759004 0.757905 0.757059 0.757059 0.75029 0.753293 0.753215 0.753215 0.753215 0.753215 0.752125 0.752125 0.752125 0.752125 0.752125 0.7492795 0.7492795 0.7492795 0.7492415 0.7492415 0.7482455 0.7482455 0.7482455 0.7482455 0.7482455 0.7482455 0.7482455 0.7482455 0.7482455 0.7482455 0.7482455 0.742925 0.740245 0.74025 0.740245 0.74025 0.74025 0.74025 0.74025 0.74025 0.7		
COC-7 SQLE CDC-7 SQLE HISTH12BM FAM107B LGAL51 SERTAD4 GAL GAL51 SERTAD4 GAL P2RY6 GAL P2RY6 RPL22L1 KCNI8 HS3ST2 CDCA3 RRM2 CDCA2EP3 LMNA SI00A10 CYSLTR2 HELLS KIAA0125 BMP2K TGFB1 TYMS SI00A10 CYSLTR2 HELLS KIAA0125 BMP2K TGFB1 TYMS SI00A10 CYSLTR2 HELLS KIAA0125 BMP2K TGFB1 TYMS SI00A10 CYSLTR2 HELLS KIAA0125 BMP2K TGFB1 TYMS SI00A10 CYSLTR2 HELLS CYSLTR2 CYSLTR2 CYSLTR2 HELLS CYSLTR2 CYSLT	1.2951395 1.295074 1.293814 1.290804 1.293814 1.290807 1.28486055 1.28486055 1.28486055 1.2848605 1.2848965 1.2848965 1.2848965 1.284895 1.266934 1.2673875 1.261845 1.2217075 1.2217075 1.2217075 1.2217075 1.2217075 1.2217075 1.2217075 1.2217075 1.2217075 1.2208675 1.2217075 1.2008645 1.2217075 1.2008645 1.201815 1.2008645 1.201815 1.2008645 1.201815 1.2008845 1.1704935 1.159782 1.159782 1.15978	GSTI2 GPV19L1 CAPN6 GALNT6 TH DCLRE1A HIST2H3A HVFCA11 PTFA2 AURK8 UB22C AURK8 UB22C CRP2 FAM27E3 MCRR1 IFT57 KFNA3 GMNN BAALC GRP2 GMNN BAALC GRP2 GMNN BAALC GMNN GMNN BAALC GMNNN BAALC GMNNN BAALC GMNNN BAALC GMNNN BAALC GMNNN BAALC GMNNN BAALC GMNNN BAALC GMNNN BAALC GMNNN BAALC GMNNN BAALC GMNNN BAALC GMNNNN BAALC	1.045235 1.0428275 1.0428275 1.0419675 1.040927 1.034637 1.034639 1.034639 1.024652 1.023682 1.022596 1.0262955 1.023682 1.022596 1.0262955 1.016815 1.016815 1.0142565 1.0142565 1.0142565 1.01424755 1.014285 1.0142475 1.014245 1.01445 1.0145 1.01	PCSK1 DDX21 DX21 ARHGAP36 CRIP1 BORC57-ASM UCP2 DNPEP SIC25A43 SIC25A43 SIC25A43 HIST2H2A8 MYO19 LYN MELK DXPEP LYN MELK TOB1 CDK11 FAM83D HTR38 SCOC GNB4 SICCC GNB5 SICCC GNB5 SICCC GNB5 SICCC GNB5 SICCC GNB5 SICCC GNB5 SICCC GNB5 SICCC GNB5 SICCC GNB5 SICCC GNB5 SICCC GNB5 SICCC GNB5 SICCCC GNB5 SICCC GNB5 SICCCC GNB5 SICCCC GNB5 SICCCC GNB5 SICCCC GNB5 SICCCC GNB5 SICCCC GNB5 SICCCC GNB5 SICCCCC GNB5 SICCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	0.917031 0.9158435 0.913221 0.913221 0.90279 0.908605 0.907702 0.906702 0.906702 0.906319 0.906319 0.906319 0.906319 0.906319 0.9018495 0.898062 0.898062 0.898062 0.889526 0.889121 0.88924 0.889241 0.889241 0.889241 0.889241 0.889241 0.889241 0.889241 0.889241 0.889241 0.889241 0.889241 0.889241 0.889241 0.889241 0.889241 0.889241 0.889241 0.887842 0.887843 0.887843 0.887842 0.887843 0.887844 0.887842 0.887843 0.887843 0.887843 0.887844 0.887842 0.887843 0.887844 0.887842 0.887844 0.887842 0.887842 0.887844 0.887842 0.887842 0.887842 0.887842 0.887842 0.887842 0.887842 0.887842 0.887842 0.887842 0.887842 0.887842 0.887842 0.887842 0.887842 0.887842 0.887843 0.887843 0.887843 0.887843 0.887843 0.897844 0.8978444 0.897844444444444444444444444444444444444	FLT1 EMP3 MCM10 GNA2 CXXC5 ALDH1B1 FAM72B PWP2 MAPK8IP1 DAR52 CEP55 HIST1H2BL MTFR2 CLGN MTFR2 CLGN CLMNB1 FMS22 PLXNA2 CRH HIST1H3A EIF4EBP2 HINRNPDL GRAMD1A TTYH3 SLC18A2 ANGFTL2 DPF1 PH1D1 RELN PH1D1 RELN PCP12 ENOPH1 EXOSC5 SLC18A2 ENOPH1 EXOSC5 SLC18A2 ENOPH1 EXOSC5 SLC18A2 ENOPH1 EXOSC5 SLC18A2 ENOPH1 EXOSC5 TUBB48 TIPIN	0.824592 0.8238225 0.8238215 0.82391 0.822219 0.820824 0.818941 0.818941 0.818941 0.818945 0.818265 0.8163945 0.8163945 0.8163945 0.8163945 0.815846 0.813918 0.813918 0.813918 0.813918 0.81394 0.81394 0.81394 0.81394 0.81394 0.813976 0.809575 0.800345 0.800345 0.800345 0.800345 0.803425 0.803425 0.8014205 0.801405 0.801405 0.801405 0.801405 0.8015	ABCB6 RAB33A ATP6V1E2 MKI67 DSCC1 G6PC3 DPP7 C0K2AP1 KIF26A L0B2 C0K2AP1 KIF26A L0B2 SIC25A19 USP1 KIHL23 DTL TIMP3 TUB88 CHML FAM57A CDS8 PAQR8 CCNB1 RET DEK RET RET RET RET RET RET RET RET	0.758199 0.759004 0.757905 0.7579305 0.757059 0.757059 0.75326 0.753215 0.753215 0.753215 0.753215 0.753215 0.752125 0.752125 0.752125 0.749279 0.749245 0.74925 0.74955 0.74955 0.74955 0.74955 0.74955 0.749555 0.749555 0.7495555 0.74955555555555555555555		
CDC7 SQLE CDC7 SQLE HISTH/28M FAMI078 LGALS1 SERTAD4 GAL P2RY6 RPL22L1 KCN/8 RM22 CDCA3 RRM2 CDC42EP3 LMNA CYSLTR2 HELLS CDC42EP3 LMNA CYSLTR2 HELS S100A10 CYSLTR2 HELS S10 CYSLTR2 HELS S10 CYSLTR2 HELS S10 CYSLTR2 HELS S10 CYSLTR2 HELS S10 CYSLTR2 HELS S10 CYSLTR2 HELS S10 CYSLTR2 HELS S10 CYSLTR2 HELS S10 CYSLTR2 HELS S10 CYSLTR2 HELS S10 CYSLTR2 HELS S10 CYSLTR2 HELS S10 CYSLTR2 HELS S10 CYSLTR2 HELS S10 CYSLTR2 HELS S10 CYSLTR2 HELS S10 CYSLTR2 HELS CYSLTR2 HELS S10 CYSLTR2 HELS CY	1.2951395 1.295074 1.293814 1.293814 1.293814 1.293814 1.293814 1.293814 1.293814 1.293814 1.293814 1.2845965 1.2845965 1.2845965 1.2647935 1.2647935 1.2616845 1.251905 1.243042 1.2316645 1.221668 1.221768 1.221768 1.221768 1.221768 1.221768 1.221768 1.221768 1.221768 1.221685 1.2026875 1.2026875 1.2026875 1.2026875 1.2026875 1.2026875 1.2026875 1.2026875 1.2026875 1.2026875 1.2026875 1.2026875 1.159785 1.159785 1.159874 1.159874 1.159847 1.159874 1.159875 1.1598	GSTI2 GPV19L1 CAPN6 GALNT6 TH DCLRELA HIST2H3A HPCAL1 PTPA22 PRS33 AURK8 UBE2C FAM27E3 MCHR1 LIFT57 UBE2C FAM27E3 MCHR1 LIFT57 KENA3 PSRC1 GMNN BAALC GMNN HIST3H28B KNTC1 ENC1 HIST3H28B KNTC1 ENC1 HIST3H28B KNTC1 ENC1 HIST3H28B KNTC1 ENC1 HIST3H28B KNTC1 ENC1 HIST3H28B KNTC1 ENC1 HIST3H28B KNTC1 ENC1 HIST3H28B KNTC1 ENC1 HIST3H28B KNTC1 ENC1 HIST3H28B KNTC1 ENC1 HIST3H28B KNTC1 ENC1 HIST3H28B KNTC1 ENC1 HIST3H28B KNTC1 ENC1 HIST3H28B KNTC1 HIST3H28B KNTC1 ENC1 HIST3H28B KNTC1 HIST3H28B KNTC1 HIST3H28B KNTC1 ENC1 HIST3H28B KNTC1 HIST3H20	1.045235 1.042825 1.042825 1.042825 1.0419675 1.040307 1.034652 1.03469 1.034487 1.024675 1.024629 1.024629 1.024629 1.024629 1.02459 1.02459 1.02459 1.0142565 1.0144755 1.0144755 1.0144755 1.0144755 1.01340 1.004295 1.00348 1.007485 1.004475 1.00144 1.00014 0.097209 0.99512 0.9938415 0.9938415 0.993845 0.99	PCSK1 DDX21 DXX21 ARHGAP36 CRIP1 BDRC57-ASM UCP2 SLC25A43 HIST2HZABA WYO19 LVN MELK TDBGL CDKN1A TOB1 CDK1 FAMB3D CDK1 FAMB3D HIRT3B SCOC GNB4 JUN RM11 SNRNP27 IER2 FAMP3C COKNA HIST1HZBF MCUR1 RM12 SKNP27 IER2 FAM72C SH11 SKNP27 IER2 FAM72C SH11 SKNP27 IER2 FAM72C SKNP27 IER2 FAM72C SKNP27 IER2 FAM72C SKNP27 IER2 FAM73C SKNP27 FAM73C SKNP7 FAM73C SKNP7 FAM73C SKNP7 FAM73C SKNP7 FAM73C SKNP7 FAM73C SKNP7 FAM73C SKNP7 FAM73C F	0.917031 0.9158435 0.9158435 0.9158435 0.9158435 0.907702 0.9007002 0.907702 0.907002 0.907002 0.906319 0.9036315 0.902073 0.902073 0.902073 0.902073 0.902073 0.902073 0.902073 0.902073 0.89854 0.8885445 0.889540 0.889545 0.8890321 0.889645 0.889545 0.889645 0.8885445 0.888749 0.88749 0.88749 0.88749 0.88749 0.88749 0.888745 0.888745 0.888745 0.882955 0.8810325 0.8820325 0.8810325 0.88743 0.87874 0.8787	FLT1 EMP3 MCM10 GNA2 CXXCS ALDH1B1 FAM728 PWP2 MARK8IP1 DAR52 CEP55 HISTH2BL MTFR2 CGN PKS52 PLXNA2 CRH HISTH2BL GRAMD1A TTYH3 SIC18A2 ANGFTL2 DPF1 PH1D1 RELN MCM2 ENOPH1 FENOPH1 PKD848 TUBB48 EXOSCS TUBR48 FNF8	0.824592 0.8238225 0.8238215 0.8238215 0.820824 0.818941 0.8189415 0.8189415 0.8189415 0.818945 0.816945 0.816945 0.816945 0.816945 0.816945 0.816945 0.815845 0.815845 0.813945 0.813945 0.81394 0.81394 0.81394 0.81394 0.81394 0.81394 0.81394 0.81394 0.81394 0.81394 0.81394 0.81394 0.81027 0.8005975 0.8005975 0.8005192 0.801521 0.801521 0.801521 0.801521 0.80154 0.	ABCB6 RAB33A ATF6V1E2 MKI67 DSCC1 GSC1 GFC3 DPP7 CDK2AP1 CDK2AP1 CDK2AP1 CDK2AP1 CDK2AP1 CDF2 CDK2AP1 CDF2 CDF2 CDF2 SLC25A19 USP1 CDF2 CDF2 CDF2 CDF2 CDF2 CDF2 CDF2 CDF2	0.758199 0.759004 0.759095 0.757059 0.750595 0.750595 0.753295 0.753295 0.753215 0.752315 0.752315 0.752315 0.752315 0.752315 0.752215 0.752215 0.742785 0.742785 0.7449785 0.7429785 0.7428455 0.7428455 0.7428455 0.7428455 0.7428455 0.7428455 0.7428455 0.7428455 0.7428455 0.7428455 0.7428275 0.743856 0.7428257 0.742857 0.742905 0.742857 0.742957 0.745757 0.745757 0.745757 0.74575		
CDC7 SQLE CDC7 SQLE HISTH/EBM FAM107B LGALS1 SERTAD4 GAL P2RY6 GAL P2RY6 GAL P2RY6 GAL P2RY6 CDC32 CDC32 RRM2 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC43 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S10C42EP3 LMNA LMNA LMNA LMNA LMNA LMNA LMNA LMNA	1.2951395 1.295074 1.293814 1.293814 1.293814 1.293814 1.293814 1.293814 1.293814 1.283478 1.284795 1.284895 1.264985 1.264984 1.247985 1.266845 1.251005 1.23105 1.243042 1.231025 1.23105 1.243042 1.2217075 1.2217075 1.2205655 1.2217075 1.2205655 1.2217075 1.205655 1.2217075 1.205655 1.2217075 1.205655 1.2217075 1.205655 1.2217075 1.205655 1.22076825 1.205655 1.207845 1.2151295 1.205655 1.207845 1.2151295 1.205655 1.207845 1.2151295 1.207845 1.1569782 1.1569782 1.1569782 1.15497 1.1569845 1.149945 1.149945	GSTIZ GPV19L1 CAPN6 GALNT6 TH PPU2L1 HIST2H3A AURK8 UB2C FAM27E3 AURK8 UB2C GRN7E3 KPNA3 PSRC1 SU212 CSRP2 HNRNPH3 DIAPH3 GMNN BAALC NPTN HIST3H2B8 KNTC1 NRM SH283 TLE3 PCNA MBNL3 NUJFAF6 EX01 DUSP4 KIA0101 BREUM CANDA SH283 CSRP2	1.045235 1.042825 1.042825 1.042825 1.0419675 1.040307 1.03467 1.03467 1.03467 1.024695 1.02595 1.02362 1.02595 1.02595 1.02595 1.02595 1.016815 1.014255 1.014255 1.014255 1.014815 1.014255 1.0142475 1.001247 1.000174 1.0000174 1.0000174 1.0000174 1.0000174 1.0000174 1.0000174 1.0000174 1.0000174 1.0000174 1.0000174 1.0000174 1.0000174 1.0000174 1.0000174 1.0000174 1.0000174 1.000000000000000000000000000000000000	PCSK1 DDX21 DX21 ARHGAP36 CRIP1 BR0R57-ASM UCP2 DNPEP SIC25A43 HIST2HZAB MYO19 LYN MELK TPBGL CDK11 FAM83D HIST3HZ CDK11 CDK1 CDK1 CDK1 CDK1 CDK1 CDK1 CDK	0.917031 0.9158435 0.913221 0.913221 0.90279 0.908605 0.907702 0.906702 0.906719 0.906315 0.902073 0.906319 0.9036315 0.902073 0.9018495 0.898062 0.895026 0.89526 0.89526 0.89526 0.895321 0.8948555 0.893211 0.8848455 0.883241 0.8836445 0.8859815 0.8859815 0.8829855 0.883129 0.8829845 0	FLT1 EMP3 MCM10 GNAZ OXXCS ALDH1B1 FAM72B PWP2 MARK8IP1 DAR52 CEP55 HIST1H2BL MTFR2 CGN LIMNB1 PXXA2 CRH HIST1H3A EIF4EBP2 ANGPTL2 DF1 PHID11 RELN MCM2 ENOPF1 EXOSC5 TUBB48 TIPIN TIPIN SISLR SISLR GNF2	0.824592 0.8238225 0.8238215 0.822391 0.822219 0.820824 0.8189115 0.8182615 0.8182615 0.8182615 0.8163945 0.8163945 0.8163945 0.8163945 0.8163945 0.815846 0.813948 0.8138965 0.813918 0.8138965 0.813918 0.8138965 0.813917 0.81027 0.80093751 0.80093751 0.8003275 0.80014205 0.8014205 0.80014205 0.80014205 0.80014205 0.800197 0.80014205 0.80014205 0.80014205 0.800197 0.80014205 0.800197 0.80014205 0.800197 0.80014205 0.800197 0.800197 0.8001975 0.800197 0.8001975 0.800197 0.8001975 0.800197 0.8001975 0.800197 0.8001975 0.800197 0.80	ABCB6 ARAB33A ATP6V1E2 MKI67 DSCC1 GEPC3 DPP7 CDK2AP1 RABERK ATP181 KIFZ6A LDB2 SIC25A19 USP1 KIH23 DTL TIMP8 CHML FAM57A CDS8 PAQR8 CCN81 RET DEK RND3 MCM6 ADAMT57 PNP HISTIHLB NCCA3 PLOD2 CXCR4 GRAMD4 CHK1 CDCA5	0.758199 0.759004 0.7570059 0.757059 0.757059 0.757059 0.753205 0.7531245 0.7531245 0.7531245 0.7531245 0.7531245 0.7532125 0.752125 0.752125 0.742797 0.749205 0.749279 0.749205 0.749279 0.744815 0.742295 0.742295 0.74285 0.74585 0.74585 0.74585 0.74585 0.74585 0.74585 0.74585 0.74585 0.745855 0.74585		
CDC7 SQLE CDC7 SQLE HISTH12BM FAMI07B LGALS1 SERTAD4 GAL P2RY6 GAL P2RY6 RPL22L1 KCNI8 GAL P2RY6 RPL22L1 KCNI8 CDC43 RRM2 CDC42EP3 LMNA CDC42EP3 LMNA CDC42EP3 LMNA CDC42EP3 LMNA SI00A10 CYSLTR2 HELLS KIAA0125 BMP2K TGFB1 TYMS CDC45 PSMC3IP FRMD3 DCK NSG1 ELAVL3 SIC25A32 CORO1C UHRF1 NXT2 GFRA2 GFRA2 GFRA2 GFRA2 FAMC32A	1.2951395 1.295074 1.293814 1.293814 1.2908097 1.2846055 1.2847473 1.28564 1.2243955 1.22717995 1.2667495 1.267395 1.2667495 1.221505 1.227768 1.2216845 1.221768 1.2216845 1.221768 1.2216845 1.2216845 1.2216845 1.2216845 1.2216845 1.2216845 1.2216845 1.2216845 1.2216845 1.2016845 1.2016854 1.176584 1.1508545 1.1508545 1.1608545 1.1608545 1.1448787 1.448787	GSTIZ GPV19L1 CAPN6 GALNT6 TH DCLRELA HIST2H3A HIFX2H3A HIFX2H3A AURK8 UBE2C AURK8 UBE2C GMCR1 IFT57 KFNA3 GMNN BAALC GMNN BAALC GMNN BAALC MPHOSPH6 KNTC1 ENC1 SH2B3 TLE3 FCNA FCNA FCNA FCNA SH2B3 TLE3 FCNA MBNL3 NDUFAF6 EX01 DUSP4 KIAA0101 PREL01 FCT1	1.045235 1.0428275 1.0428275 1.0419675 1.040927 1.034609 1.034609 1.034632 1.0262955 1.023682 1.022695 1.0262955 1.0262955 1.0262955 1.0262955 1.0262955 1.016883 1.012683 1.012683 1.012683 1.012683 1.012683 1.012683 1.012683 1.012683 1.012683 1.012683 1.012683 1.012683 1.0142565 1.014265 1.014265 1.014265 1.014265 1.014265 1.014265 1.014265 1.014265 1.014265 1.0104295 1.00142 1.000174 1.	PCSK1 DDX21 DX21 DX21 DX21 DX21 DX2F DX2F DX2F DX2F DX2F DX2F DX2F DX2F	0.917031 0.9158435 0.913221 0.913221 0.913221 0.90379 0.908605 0.907702 0.906702 0.906702 0.906315 0.903675 0.902073 0.902673 0.902673 0.902675 0.889052 0.889052 0.889052 0.889152 0.889152 0.889152 0.889152 0.889152 0.889213 0.889213 0.889213 0.889213 0.88924 0.88948555 0.8882445 0.887542 0.887542 0.887542 0.887542 0.882955 0.8819025 0.8819025 0.8819025 0.8819025 0.8819025 0.88195 0.881955 0.881955 0.881955 0.881955 0.881955 0.8819	FLT1 EMP3 MCM10 GNA2 CXXC5 ALDH1B1 FAM728 PWP2 MARK8IP1 DAR52 CEP55 HIST1H28L MTFR2 CGN LIMN81 PXXA2 CRH HIST1H3A EIF4EP2 HINRNPDL ORH MCM2 SCL38A2 ANGPTL2 DPF1 PH1D1 RELN MCM2 ENOPH1 EXOSC5 FOPDC2 RNF8 ISLR	0.824592 0.8238225 0.823821 0.822391 0.822391 0.822219 0.820824 0.818941 0.818941 0.818941 0.818265 0.817379 0.8165945 0.8165945 0.8165945 0.81546 0.81546 0.81546 0.81396 0.81396 0.813946 0.813946 0.813946 0.813947 0.809376 0.809375 0.805226 0.805226 0.805275 0.805375 0.805375 0.805375 0.805375 0.805375 0.805375 0.805122 0.805122 0.805122 0.805122 0.805122 0.805122 0.805122 0.805122 0.805122 0.805125 0.805122 0.805125 0.80515 0.80515 0.80515 0.805155 0.805155 0.805155 0.80515	ABCB6 RAB33A ATP6V1E2 MKI67 DSCC1 GSPC3 DPP7 CDK2AP1 KIF26A LDB2 CDK2AP1 KIF26A LDB2 SC125A19 USP1 KIF123 DTL TIMP3 TUB88 CHML FAM57A CDS8 PACR8 CCN81 RET DEK RET DEK RET DEK RET DEK RET DEK RCM3 MCM6 ADAMTS7 PNP HISTIH1B NCOA3 PIOD2 CCR4 C	0.758199 0.759004 0.757093 0.757059 0.757059 0.757059 0.753205 0.753205 0.753205 0.753205 0.753215 0.753215 0.753215 0.752125 0.752125 0.752125 0.742075 0.742075 0.742075 0.742075 0.742075 0.74205		
CDC7 SQLE CDC7 SQLE HISTH/EMR FAMI078 LGALS1 SERTAD4 GAL P2RY6 RPL22L1 KCNI8 HS3ST2 CDCA3 RRM2 CDC42EP3 LMNA CV5LTR2 HELL5 SI00A10 CV5LTR2 HELS5 SI00A10 CV5 SICTS3 SICTS3 SICTS	1.2951395 1.295074 1.293814 1.290807 1.2886055 1.2845055 1.2845055 1.2845055 1.2845055 1.2845055 1.2845055 1.2845055 1.2647935 1.2647935 1.2647935 1.2151295 1.2205655 1.22151295 1.2056655 1.22151295 1.2056655 1.220788 1.2151295 1.2056655 1.2057855 1.2058655 1.2058655 1.2058655 1.2058655 1.2058655 1.205885 1.2151295 1.2058855 1.2058855 1.2058855 1.2058855 1.2058855 1.1597825 1.1597825 1.1597825 1.1597825 1.1597825 1.1489475 1.1489455 1.1487485 1.1487455 1.14874855 1.1487455 1.	GSTIZ GPV19L1 CAPN6 GALNT6 TH DCLRELA HIST2H3A HIST2H3A UBE2C FAM27E3 AURK8 UBE2C FAM27E3 MCHR1 UT57 KFNA3 PSRC1 OKP13 DIAPH3 GMNN HIST3H28B KNTC1 ENC1 NRM HIST3H28B KNTC1 ENC1 DIAPH3 TLE3 PCNA NDUFAF6 EX01 DUSP4 KIA0101 PRELID1 CT12 CT2 CT	1.045235 1.042825 1.042825 1.042825 1.0419675 1.040307 1.034652 1.034682 1.034687 1.024695 1.024695 1.025956 1.025956 1.025956 1.025956 1.025956 1.025956 1.025956 1.012595 1.012595 1.012595 1.0142555 1.0144755 1.01344 1.013481 1.0142555 1.013496 1.01349 1.00341 1.003481 1.003481 1.003481 1.0034295 1.004295 1.001207 1.000174 1.000127 1.000174 1.000127 1.000174 1.000127 1.000174 1.000127 1.000174 1.000127 1.000174 1.000127 1.000174 1.000127 1.000174 1.000127 1.000174 1.000127 1.000174 1.000127 1.000174 1.000174 1.000127 1.000174 1.000127 1.000174 1.000127 1.000174 1.000127 1.000174 1.000127 1.000174 1.000127 1.000174 1.000127 1.000174 1.000127 1.000174 1.000127 1	PCSK1 DDX21 DX21 ARHGAP36 CRIP1 BR0R57-ASM UCP2 SIL25A43 HIST2H2A8 MY019 LYN MELK TP8GL CDKN1A TOB1 CDK1 FAM83D HTR3B SCOC GNR84 JUN RM11 SNRNP27 IER2 FAM73C SNRNP27 IER2 FAM72C PFIBP2 HIST1H2BF MCUR1 SRSF1 CDK1 SIL125 HIST1H2BF MCUR1 SSF11 CDK1 PIEKHA6 PIEKHA6 PIEKHA6 PIEKHA6 PIEST1H1L CDK4 PIEKHA6 PIEST1H1L CDK4 PIEKHA6 PIEST1H1L CDK4 PIEKHA6 PIEST1H1L CDK4 PIES	0.917031 0.9158435 0.9158435 0.9158435 0.9158435 0.907702 0.908605 0.90702 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.902073 0.889645 0.888043 0.8876442 0.8820321 0.8820321 0.8820321 0.8820321 0.8820321 0.8820321 0.8820321 0.8820321 0.8820321 0.8820321 0.8820321 0.8820325 0.882034 0.8820325 0.882032 0.8820325 0.882032 0.8820321 0.8820321 0.8820325 0.882035 0.	FLT1 EMP3 MCM10 GNAZ OXXCS ALDH1B1 FAM728 PWP2 MARK8IP1 DAR52 CEP55 HIST1H28L MTFR2 CGN LMNB1 PK52 PLXNA2 CRH HIST1H28L MTFR2 CGN MNRNPDL GRAMD1A TTYH3 SIC18A2 ANGPTL2 DPF1 PH1D1 EKDNPH1 ENOPH1 ENOPH1 ENOPH2 TUB484 TIPIN TGF12 POPDC2 RNF8 ISLR CTNNAL1 LRP8 CEVN4	0.824592 0.8238225 0.8238215 0.8238215 0.820824 0.81896115 0.8189615 0.8189615 0.816945 0.816945 0.816945 0.816945 0.816945 0.816945 0.816945 0.816945 0.815815 0.813945 0.813945 0.81394 0.81394 0.81394 0.813947 0.81394 0.813947 0.81394 0.81394 0.81394 0.812826 0.813947 0.81027 0.800375 0.8003575	ABCB6 RAB33A ATF6V1E2 MKI67 DSCC1 GOFC3 DPP7 CDK2AP1 KIF26A LDB2 SIC25A19 USP1 KIF26A LDB2 SIC25A19 USP1 KIH23 DTL TIMP3 TUB88 CHML FAM57A CDS8 PAQR8 CHML FAM57A ADAMT57 PNP HIST1H1B NCOA3 PLOD2 CKCR4 GRAMD4 CHEK1 CMCA5 MCM8 CCDC748 	0.758199 0.759004 0.759095 0.757059 0.75059 0.75059 0.753293 0.732125 0.733285 0.732125 0.732125 0.752312 0.752312 0.752312 0.752312 0.752312 0.752312 0.752312 0.742785 0.742785 0.742785 0.742845 0.742845 0.742845 0.742845 0.742845 0.742845 0.742845 0.742845 0.742845 0.742845 0.742845 0.742845 0.742845 0.742845 0.742845 0.742845 0.742845 0.742845 0.742845 0.743845 0.738866 0.737845 0.737845 0.737845 0.737845 0.737845		
COC7 SQLE CDC7 SQLE LGAC51 CGAC7 CGA	1.2951595 1.295074 1.293814 1.293814 1.293814 1.293814 1.293814 1.293814 1.293814 1.293814 1.293814 1.2848955 1.2848955 1.2848955 1.2848955 1.2848955 1.2647935 1.2647935 1.2647935 1.2647935 1.26494 1.243042 1.240865 1.2150865 1.205684 1.143785 1.143785 1.143785 1.143785 1.143785 1.143785 1.143785 1.143785 1.143785 1.1447	GSTIZ GYT2L GALNT6 TH PV19L1 CAPN6 GALNT6 TH PUCRE1A HIST2H3A HVFAL1 PTFAA2 PTFAA2 AURK8 UBE2C AURK8 UBE2C GKR7 FAM27E3 AURK8 UBE2C GKR7 KPNA3 PSRC1 SUZ12 GKR7 KPNA3 PSRC1 SUZ12 GKR7 HNRNPH3 DIAPH3 GMNN BAALC MPHOSPH6 KNTC1 ENC1	1.042235 1.0420875 1.0420875 1.0420875 1.040307 1.034675 1.034609 1.034632 1.03469 1.024695 1.023682 1.022596 1.022596 1.022596 1.0208725 1.016815 1.0142565 1.0142565 1.0142565 1.0142565 1.0142565 1.0142565 1.0142565 1.0104295 1.001207 1.000174 1.000174 1.000174 1.000174 1.000174 1.000174 1.000174 1.000174 1.00127 1.	PCSK1 DDX21 DX21 ARHGAP36 CRIP1 BORC57-ASM UCP2 DNPEP SIC25A43 SIC25A43 SIC25A43 SIC25A43 HIST2H2A8 MYO19 LYN MELK TOB1 COKN1A SINNP27 FAM72C PFFIBP2 LSM1 SINNP27 FAM72C PFFIBP2 COCN SINNP27 HIST1H2BF MCUR1 COCN SINNP27 FAM72C PFFIBP2 COCN SINNP27 FAM72C FA	0.917031 0.9158435 0.913221 0.913221 0.90379 0.908605 0.907702 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.902631 0.898062 0.898062 0.889062 0.889052 0.889031 0.889042 0.899042 0.8	FLT1 EMP3 MCM10 GNAZ OXXCS ALDH1B1 FAM728 PWP2 MARK8IP1 DAR52 CEP55 HIST1H2BL MTFR2 CLGN LIMNB1 PKS2 PLXNA2 CRH HIST1H3A EIF4EBP2 MARMD1A TTYH3 SLC18A2 ANGPTL2 DPF1 PHD1 RELN MCM2 ENOPH1 EXOSC5 TUBB48 TIPIN TIPIN TGF12 POPDC2 RNF8 SISLR CTNNAL1 LRP8 SFXN4	0.824592 0.8238225 0.823821 0.822391 0.822391 0.822024 0.819841 0.818941 0.818941 0.818941 0.818941 0.818941 0.81895 0.8163945 0.8163945 0.8163945 0.81584 0.813918 0.813918 0.813918 0.813918 0.813918 0.813918 0.81394 0.81394 0.81394 0.813976 0.803975 0.8089575 0.8063751 0.805226 0.805375 0.805375 0.805122 0.805122 0.8014205 0.8014205 0.8014205 0.8014205 0.8014210 0.8014205 0.8014205 0.8014210 0.8014205 0.8014210 0.8014205 0.8014210 0.8014205 0.8014205 0.8014210 0.8014205 0.8014205 0.8014205 0.8014210 0.8014205 0.801420 0.805420 0.80540000000000000000000000000000000000	ABCB6 ABCB6 ARAB33A ATP6V1E2 MKI67 DSC1 GGPC3 DPP7 CDK2AP1 KIF26A LDB2 CDK2AP1 KIF26A LDB2 SIC25A19 USP1 KIF26A LDB2 USP1 KIF26A LDB2 USP1 KIF26A CDK2A19 USP1 CKR1 RET DEK ADAMTS7 PNP HIST1HJB NCCA3 PLOD2 CKCR4 GRAMD4 CHCA5 CCA5 S-RAM57 CKCA5	0.758094 0.759004 0.757059 0.757059 0.75059 0.75059 0.753205 0.753205 0.753205 0.753205 0.753205 0.753205 0.753205 0.752212 0.752212 0.7520205 0.7520205 0.749209 0.749209 0.749209 0.749205 0.749209 0.749205 0.739542 0.739555 0.739555555555555555555555555555555555555		
CDC7 SQLE CDC7 SQLE HISTH/28M FAMI078 LGALS1 SERTAD4 GAL P2RY6 RPL22L1 KCNI8 HSST2 CDCA3 RRM2 CDC42EP3 LMNA CDC42EP3 LMNA CS100A10 CYSLTR2 HELLS S100A10 CYSLTR2 HELS S100A10 CYSLTR2 HELS S100A10 CYSLTR2 HELS S100A10 CYSLTR2 HELS S100A10 CYSLTR2 CDC43 FRM2 CDC45 FRM03 DCK NSG1 ELAV13 SLC25A32 COR01C UHRF1 URSC1 FRM03 DCK NSG1 ELAV13 SLC25A32 COR01C UHRF1 RGS16 LRRC34 MRAP2 FFAM222A KLHL23 SPAG5 FFAM222A	1.2951395 1.295074 1.293814 1.293814 1.293814 1.293814 1.2938055 1.284595 1.284595 1.284595 1.284595 1.2647935 1.2616845 1.251905 1.2647935 1.2616845 1.251005 1.243042 1.2321625 1.221768 1.221768 1.21075 1.2216085 1.2151295 1.2066625 1.2021815 1.2026625 1.2021815 1.2026625 1.2021815 1.2026625 1.2021815 1.2026825 1.1505845 1.159782 1.1567385 1.159782 1.1508545 1.1508545 1.1508545 1.1487785 1.14877	GSTI2 GPV19L1 CAPN6 GALNT6 TH DCLRELA HIST2H3A HPCAL1 PTPA42 PFRS3 AURK8 UBE2C FAM27E3 MCHR1 UBE2C FAM27E3 MCHR1 LIT57 KENA3 PSRC1 GMNN BAALC GMNN BAALC GMNN HIST3H2B8 KNTG1 HIST3H2B8 KNTG1 HIST3H2B8 KNTG1 HIST3H2B8 KNTG1 HIST3H2B8 KNTG1 HIST3H2B8 KNTG1 HIST3H2B8 KNTG1 HIST3H2B8 KNTG1 HIST3H2B8 KNTG1 HIST3H2B8 KNTG1 HIST3H2B8 KNTG1 HIST3H2B8 KNTG1 HIST3H2B8 KNTG1 HIST3H2B8 FIC1 HIST3H2B8 FIC1 HIST3H2B8 FIC1 HIST3H2B8 FIC1 HIST3H2B8 FIC1 HIST3H2B8 FIC1 HIST3H2B8 FIC1 HIST3H2B8 FIC1 HIST3H2B8 FIC1 HIST3H2B8 FIC1 HIST3H2B8 FIC1 HIST3H2B8 FIC1 FIC1 FIC1 FIC1 FIC1 FIC1 FIC1 FIC1	1.045235 1.042825 1.042825 1.042825 1.042825 1.043007 1.034652 1.03469 1.034487 1.02474 1.02474 1.02295 1.02382 1.022596 1.023862 1.024755 1.014755 1.014755 1.014755 1.014755 1.0144755 1.01341 1.00381 1.007425 1.00341 1.007425 1.00147 1.00147 1.00114 0.079269 1.000174 1.000174 1.000174 0.0997209 0.99542 1.009384 0.999542 0.9938415 0.9938415 0.993843 0.9852385 0.983726 0	PCSK1 DDX21 DXX21 ARHGAP36 CRIP1 BDRC57-ASM UCP2 SLC25A43 HIST2H2A8 MYO19 LVN MYO19 LVN MYO19 LVN MFLK TPBGL CDKN1A TDB1 CDK1 TDB1 CDK1 FAM83D HTR38 SCOC GNB4 HTR38 SCOC GNB4 HTR38 SCOC GNB4 HTR38 SCOC GNB4 HTR38 SCOC GNB4 HTR38 SCOC GNB4 HTR38 SCOC GNB4 HTR38 SCOC GNB4 HTR38 SCOC HTR38 SCOC HTR38 SCOC GNB4 HTR38 SCOC HTTS3 SCOC	0.917031 0.9158435 0.9158435 0.9158435 0.913221 0.902790 0.908605 0.907702 0.907002 0.906319 0.9036319 0.9036319 0.9036319 0.9036319 0.9036319 0.9036319 0.80365 0.838064 0.838064 0.838064 0.839503 0.839261 0.839261 0.839261 0.839261 0.839261 0.839261 0.839261 0.839261 0.839261 0.839261 0.839261 0.839261 0.839261 0.8382642 0.8382642 0.838749 0.83749 0.8	FLT1 EMP3 MCM10 GNA2 CXXCS ALDH1B1 FAM72B PWP2 MARK8IP1 DARS2 CEP55 HIST1H2BL MTFR2 CLGN UMNB1 PRSS2 PLXNA2 CRH HIST1H2BL CRH HISTBAPC GRAMD1A TTYH3 SLCIBA2 ANGPTL2 DPF1 PH1D1 TGF12 POPDC2 RNF8 ISLR CTNNAL1 LP88 SFXN4 MAMU2	0.824922 0.8238225 0.8238215 0.8238215 0.820824 0.818941 0.8189415 0.8189415 0.8189415 0.818945 0.816945 0.816945 0.816945 0.816945 0.816945 0.816945 0.816945 0.816945 0.813945 0.813945 0.813945 0.813945 0.81394 0.812826 0.81394 0.812826 0.812847 0.81097 0.8003675 0.8005192 0.8005192 0.8005192 0.8005195 0	ABCB6 RAB33A ATF6V1E2 MKI67 DSCC1 GOFC3 DPP7 CDK2AP1 CDK2AP1 CDK2AP1 CDK2AP1 CDK2AP1 CDK2AP1 CDF2 SLC25A19 USP1 USP1 USP2 USP1 USP1 TUB88 CHML TUB88 CHML TUB88 CHML TUB88 CHML FAM57A CDS8 PAM57A CNS1 PAM57A CNS1 COS2	0.758199 0.759004 0.7579030 0.757059 0.750595 0.750293 0.750293 0.753295 0.753215 0.753215 0.752315 0.752315 0.752315 0.752315 0.752315 0.752315 0.752315 0.752315 0.752315 0.752315 0.752315 0.752315 0.752315 0.752315 0.743975 0.743975 0.743025 0.745025 0.750505 0.750505 0.750505 0.750505 0.750505 0.750505 0.750		
CDC7 SQLE CDC7 SQLE HIST1H2BM FAM107B LGALS1 SERTAD4 GAL P2RY6 RPL22L1 KCNJ8 HS3ST2 CDCA3 RRM2 CDC42EP3 LMNA LMNA	1.2951395 1.295074 1.293814 1.290807 1.2886055 1.284795 1.284595 1.284595 1.284595 1.2717995 1.2647935 1.2647935 1.2647935 1.2647935 1.2647935 1.2647935 1.2217075 1.264595 1.2217075 1.225055 1.2217075 1.225055 1.2217075 1.265655 1.2217075 1.265655 1.2217075 1.2151295 1.2021815 1.2021815 1.2021815 1.2021815 1.1567382 1.1567382 1.1567382 1.1567385 1.1493455 1.1493455 1.1493455 1.1493455 1.1493455 1.1493455 1.1493455 1.1493455 1.149345 1.1447348 1.144537 1.144537	GSTIZ GYP19L1 CAPN6 GALNT6 TH PUP19L1 HIST2H3A HPCAL1 PTPA42 PPS53 AURK8 UBE2C FAM27E3 MCRR1 IFT57 KPNA3 DIAPH	1.045235 1.0428275 1.0428275 1.0419675 1.0409307 1.034652 1.031487 1.024699 1.031487 1.024699 1.025956 1.023682 1.025956 1.023682 1.025956 1.012595 1.012595 1.012595 1.01341 1.0142565 1.0142565 1.013496 1.0142565 1.013496 1.0142565 1.013496 1.0142565 1.013496 1.0142565 1.013496 1.0142565 1.013496 1.0142565 1.013496 1.0142555 1.01341 1.007485 1.0018175 1.0018175 1.0018175 1.000174 1.000174 1.000174 1.000174 0.999549 0.995523 0.99854295 0.9856795 0.9857335 0.9857335 0.983783 0.983726 0.983728	PCSK1 DDX21 DX21 ARHGAP36 CRIP1 SBOR57-ASM UCP2 SIC25A43 HIST2HZAB WYO19 UYN MELK TDFBGL CDKN1A TOB1 CDK1 CDK1 CDK1 CDK1 CDK1 CDK1 CDK1 CDK	0.917031 0.9152435 0.9152435 0.913221 0.9122751 0.90379 0.908605 0.907702 0.906319 0.906319 0.906319 0.906319 0.906319 0.902073 0.902073 0.902073 0.902073 0.902073 0.902073 0.902073 0.902073 0.902073 0.902073 0.902073 0.902073 0.902073 0.902073 0.902073 0.902073 0.902073 0.889645 0.889645 0.8880445 0.887645 0.8829455 0.887645 0.887942 0.8829455 0.887942 0.8829455 0.887945 0.887945 0.887945 0.887945 0.887945 0.887945 0.887945 0.887945 0.887945 0.887945 0.887945 0.887945 0.887945 0.887945 0.887945 0.887945 0.879645 0.877946 0.8775156 0.877515 0.877545 0.877	FLT1 EMP3 MCM10 GNAZ OXXCS ALDH1B1 FAM728 PWP2 MARK8IP1 DARS2 CEP55 HIST1H28L MTFR2 CGN LIMNB1 PKS22 PLXNA2 CRH HIST1H28L MTFR2 CGN HINTNPD GRAMDIA TTYH3 SLC18A2 ANGPTL2 DF1 PHID1 RELN MCM2 ENOPF1 TUB848 TUPIN TCF12 POPDC2 RNF8 SFXN4 MAML2 AMD1 TUP	0.824592 0.8238225 0.8238215 0.8238215 0.822824 0.812841 0.8182615 0.8182615 0.8182615 0.816945 0.816945 0.8161995 0.815846 0.81461995 0.815846 0.813958 0.815846 0.813948 0.813958 0.813918 0.813926 0.813918 0.81394 0.813926 0.81391 0.812926 0.81397 0.8093625 0.8093625 0.8093625 0.8093625 0.8093751 0.8003751 0.800375 0.8003751 0.8003751 0.800375 0.8003275 0.800375 0.80014205 0.80014000000000000000000000000000000000	ABCB6 ARB33A ATP6V1E2 MKI67 DSCC1 GDF7 CDK2AP1 RABERK ATP181 KIFZGA LDB2 SIC25A19 USP1 KIH23 DTU TIMP3 CDS8 PAQR8 CCN81 RET DEK RND3 MCM6 PAQR8 CCN81 NCM3 PLO2 CXCR4 GRAMD4 GHK1 DD2 CXCR4 GRAMD4 GHAS1 CDCAS MCM6 JUNB UAP1L1 SEQ240	0.758199 0.759004 0.757905 0.757059 0.757059 0.757059 0.753212 0.753124 0.753124 0.7531245 0.7531245 0.752122 0.752125 0.752125 0.752125 0.752125 0.742705 0.742026 0.742705 0.744205 0.744205 0.744285 0.744285 0.744285 0.74285 0.744285 0.74395 0.74395 0.738521 0.73855555555555555555555555		
CDC7 SQLE CDC7 SQLE GALS1 CDC7 SQLE CDC7 SQLE CDC3 SERTAD4 CD3 SERTAD4 CD3 CD3 CD3 CD3 CD3 CD3 CD3 CD3 CD3 CD3	1.2951195 1.295074 1.293814 1.290804 1.293814 1.290805 1.2848055 1.2848055 1.284805 1.2848955 1.2848955 1.2717995 1.2667835 1.267395 1.2647935 1.2647935 1.2647935 1.2647935 1.2647935 1.2216845 1.221768 1.221768 1.221768 1.221768 1.2216845 1.2216845 1.2216845 1.2216845 1.2216845 1.2216845 1.2216845 1.210885 1.205485 1.205485 1.205485 1.205685 1.20685 1.20	GSTI2 GPV19L1 CAPN6 GALNT6 TH PUCRE1A HIST2H3A HIFA21 PTFA2 AUR8 UB22C KNR8 UB22C GRP2 HNRNPH3 DIAPH3 GMNN BAALC GMNN BAALC GMNN BAALC CSRP2 HNRNPH3 DIAPH3 GMNN BAALC SH283 TLE3 PCNA MBNL3 PCNA PCNA MBNL3 PCNA PCNA MBNL3 PCNA PCNA PCNA MBNL3 PCNA P	1.045235 1.0428275 1.0428275 1.0419675 1.040927 1.034637 1.034639 1.034639 1.024652 1.023682 1.022596 1.0262955 1.023682 1.022596 1.0262955 1.016815 1.016815 1.016815 1.016815 1.0142565 1.013496 1.0142565 1.0142565 1.0142565 1.0142565 1.014295 1.0104295 1.00127 1.000174 1.000174 1.000174 1.000174 1.000174 1.000174 1.000174 1.000174 1.000174 1.000174 1.000174 1.000174 1.00127 1.00	PCSK1 DDX21 DX21 ARHGAP36 CRIP1 BORC57-ASM UCP2 DNPEP SIC25A43 SIC25A43 SIC25A43 VTPEG LYN MELK TOB1 CDK1 FAM83D HIST2 CDK11 COK11 COK11 COK11 COK11 COK11 COK11 COK11 COK11 SIC25A1 SIC25A1 SIC25A1 SIC25A1 SIC25A1 COK11 SIC25A1 SIC	0.917031 0.9158435 0.913221 0.913221 0.90279 0.908605 0.907702 0.906702 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.90264 0.895802 0.898082 0.889082 0.889321 0.889321 0.8894855 0.889317 0.8894855 0.889341 0.889485 0.889344 0.887842 0.887844 0.8859815 0.8829455 0.8819025 0.887944 0.877968 0.877968 0.877968 0.877965 0.877965 0.877565 0.877565 0.877565 0.875435 0.875435 0.875435 0.875435	FLT1 EMP3 MCM10 GNA2 CXXCS ALDH1B1 FAM728 PWP2 MARK8IP1 DAR52 CEP55 HIST1H2BL MTFR2 CLGN LMNB1 PXS2 PLXNA2 CRH HIST1H2BL MTFR2 CLGN GRAMD1A TTYH3 SLC18A2 ANGPT12 DPF1 PHID101 RELN MCM2 ENOPF12 DPF1 SLC18A2 ANGPT2 DPF1 SLSOR TUBB48 TIPIN TICF12 POPDC2 RNF8 SLRP SFXN4 AMD1 TUBG1 ABMC172*/	0.824592 0.8238225 0.823821 0.822391 0.822391 0.822219 0.820824 0.818961 0.818265 0.818265 0.818265 0.818545 0.8163945 0.8163945 0.8163945 0.815846 0.813918 0.813918 0.813918 0.813918 0.813918 0.813918 0.813918 0.813918 0.813918 0.813918 0.813918 0.813918 0.813918 0.813918 0.813918 0.803925 0.803925 0.805226 0.805226 0.805226 0.805255 0.805215 0.8051921 0.8051921 0.8014205 0.8014205 0.8014205 0.8014205 0.8014215 0.80145 0.80145 0.80145 0.80145 0.80145 0.80145 0.80145 0.80145 0.80145 0.80526 0.80526 0.805275 0.80145 0.80145 0.80145 0.80145 0.80145 0.80145 0.80145 0.80145 0.80145 0.80526 0.80526 0.805275 0.80145 0.80	ABCB6 ARAB33A ATP6V1E2 MKI67 DSCC1 GEPC3 DPP7 CNK2AP1 RABERK ATP181 KIF26A LD82 LD82 SIC25A19 USP1 KLHL23 DTI TIMP3 TUB88 CMML FAM57A CD58 PAGR8 CCNB1 RET DEK MK06 ADAMTS7 PNP HISTIH1B NCC03 PLOD2 CXCR4 GRAMD4 HEK11 CDCA5 MCM8 CDC45 MCM8 CDC45 ANAPC15	0.758199 0.759004 0.757093 0.757059 0.757059 0.750293 0.753205 0.753205 0.753205 0.753215 0.753215 0.753215 0.752121 0.752125 0.752212 0.752025 0.749249 0.749249 0.74924815 0.7392481 0		
CDC7 SQLE CDC7 SQLE HISTH/EMR FAMI078 LGALS1 SERTAD4 GAL HSST12 CDCA3 RRM2 CDC42EP3 LMNA CVSLTR2 CDCA3 RRM2 CDC42EP3 LMNA CVSLTR2 HELLS SI00A10 CVSLTR2 HELS SI00A10 CVS SI0 SI0 SI0 SI0 SI0 SI0 SI0 SI0 SI0 SI	1.2951395 1.2951395 1.295074 1.293814 1.293814 1.293814 1.293814 1.28486055 1.2847955 1.2847965 1.2847965 1.2647935 1.2647935 1.2647935 1.2647935 1.2647935 1.2647935 1.2217075 1.2217075 1.2217075 1.2217075 1.2217075 1.2217075 1.2217075 1.2217075 1.2217075 1.2217075 1.2217075 1.2217075 1.2217075 1.2217075 1.2217075 1.201815 1.201845 1.159782 1.159782 1.159782 1.159782 1.159782 1.159782 1.159782 1.159782 1.159782 1.159782 1.159782 1.159782 1.159782 1.159782 1.159782 1.159782 1.159782 1.159782 1.159782 1.14877 1.14847 1.14847 1.14429 1.14429 1.14429 1.14429 1.14429 1.14297 1.14297 1.14297 1.14297 1.14297 1.14297 1.14297 1.14297 1.14297 1.14297 1.14297 1.14429 1.14429 1.14297	GSTI2 GPV19L1 CAPN6 GALNT6 TH DCLRELA HIST2H3A HPCAL1 PTPA42 PRS53 AURK8 UBE2C FAM27E3 MCRR1 UBE2C GNC	1.045235 1.0428275 1.0428275 1.0419675 1.040307 1.034652 1.034697 1.034682 1.024692 1.034847 1.02474 1.0262955 1.023682 1.0262955 1.023682 1.0262955 1.023682 1.0262955 1.016883 1.016815 1.0142565 1.013447 1.013481 1.0142455 1.013447 1.013481 1.013481 1.00381 1.003481 1.003481 1.003485 1.004295 1.003174 1.0001207 1.000174 1.0001207 1.000174 1.0001207 1.000174 1.0001207 1.000174 1.0001207 1.000174 1.000120 0.995669 0.995240 0.99569 0.995240 0.995240 0.9852385 0.9852375 0.9852375 0.9852325 0.982525 0.982525 0.9721825 0.9721825 0.9721825	PCSK1 DDX21 DXX21 ARHGAP36 CRIP1 BDRC57-ASM UCP2 DNPEP SLC25A43 HIST2HZA8 MY019 LYN MELK TPBGL CDKN1A TOB1 CDK1 FAM83D HTR3B SCOC GNR84 JUN RM11 SNRNP27 IER2 FAM72C SNRNP27 IER2 FAM72C PFFIBP2 HIST1H2BF MCUR1 SRSF1 CDK1 SRSF1 S	0.917031 0.9158435 0.9158435 0.9158435 0.9158435 0.907702 0.908605 0.907702 0.906319 0.906319 0.906319 0.906319 0.906319 0.90263 0.90263 0.90263 0.90263 0.90263 0.90263 0.898062 0.898062 0.898062 0.898062 0.898062 0.899503 0.898042 0.889645 0.888043 0.889645 0.888043 0.888645 0.888645 0.888645 0.888764 0.8887645 0.882955 0.882955 0.882955 0.882955 0.881295 0.882955 0.881295 0.887874 0.887874 0.887874 0.8783415 0.8785415 0.877568 0.8775156 0.877568 0.877545 0	FLT1 EMP3 MCM10 GNAZ OXKCS ALDH1B1 FAM728 PWP2 MARK8IP1 DAR52 CEP55 HISTH28L MTFR2 CGN UMNB1 PK52 PUX0A2 CRH HISTH28L MTFR2 CRH HISTH20L GRAMD1A TTYH3 SIC18A2 ANGPTL2 PP1 PH101 EKD0PH1 ENOPH1 ENOPH1 EXOSCS TUB848 TIPIN TGF12 POPDC2 RNF8 SFXN4 MAML2 AMD1 TUB01 REV2	0.824592 0.8238225 0.8238215 0.8238215 0.820824 0.8189115 0.8189115 0.8189115 0.816945 0.816945 0.816945 0.816945 0.816945 0.816945 0.816945 0.816945 0.816945 0.816945 0.815815 0.813945 0.813945 0.813945 0.813947 0.813947 0.813947 0.813947 0.813947 0.813947 0.813947 0.813947 0.813947 0.813947 0.813947 0.81027 0.80037515 0.8003275 0.800157 0.7995744 0.7995168 0.799564 0.793564 0.793564	ABCB6 ARB33A ATF6VIE2 MKI67 DSCC1 DSCC1 GEP7 CDK2AP1 RABERK ATF181 KIF26A LDB2 SICL5A19 USP1 KIH23 DTL TIMP3 CMML FAM57A CD88 PAQ88 CCM1 NCM6 CCN81 RET DEK RND3 MCM6 CACA4 MCM6 CCN31 PNP HISTH1B NCOA3 PLOD2 CXCR4 GRAMD4 OHEK1 JUNB UAP111 SEC40 ANAPC15 PP11428	0.758199 0.759004 0.759090 0.757059 0.750599 0.750599 0.753293 0.753293 0.753293 0.753293 0.753212 0.752312 0.752312 0.752312 0.752312 0.752312 0.752312 0.752312 0.742705 0.749705 0.749705 0.749205 0.749205 0.748245 0.738666 0.7356215 0.7356215 0.7356215 0.7356215		
CDC7 SQLE CDC7 SQLE HISTH/EMR FAM107B LGALS1 SERTAD4 GAL P2RY6 RPL22L1 KCN/8 HSST2 CDCA3 RRM2 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 CDC42EP3 LMNA S100A10 S10C45 P5MC3IP FRMD3 DCK CDC45 P5MC3IP FRMD3 DCK CDC45 P5MC3IP FRMD3 CDC45 P5MC3IP FRMD3 CDC45 FRMD3 F	1.2951395 1.295074 1.293814 1.293814 1.293814 1.293814 1.293814 1.293814 1.293814 1.293814 1.287473 1.28564 1.2844965 1.2717995 1.2647935 1.2647935 1.2647935 1.2647935 1.2647935 1.243042 1.2321625 1.2217075 1.243042 1.2321625 1.2217075 1.243042 1.2217075 1.2217075 1.2217075 1.205655 1.2217075 1.205655 1.2217075 1.205655 1.2217075 1.205655 1.2217075 1.205655 1.2217075 1.205655 1.2021815 1.20021815 1.20021815 1.1705982 1.1567385 1.15497 1.1567385 1.149345 1.149345 1.149345 1.149345 1.149345 1.149345 1.149345 1.144219 1.140819 1.139895 1.138787 1.138895 1.13898 1.138985 1.13995 1.13995 1.13995 1.13995 1.13995 1.13995 1.13995 1.13995 1.13995	GSTI2 GPV19L1 CAPN6 GALNT6 TH DPU18L1 HIST2H3A AURK8 UB22 FAM27E3 AURK8 UB22 GRN7 FAM27E3 AURK8 UB22 GRN7 FAM27E3 KPNA3 GMNN BK7 GMNN BKALC GMNN BKALC MPH05PH6 NPTN HIST3H28B KNTC1 ENC1 NPTN HIST3H28B KNTC1 ENC1 NPTN HIST3H28B KNTC1 ENC1 NPTN HIST3H28B KNTC1 ENC1 NPTN HIST3H28B KNTC1 ENC1 NPTN HIST3H28B KNTC1 ENC1 NPTN HIST3H28B KNTC1 ENC1 NPTN HIST3H28B CNA MBNL3 SH283 TLE3 PCNA MBNL3 SH283 TLE3 PCNA MBNL3 CN1 FTS1 ICC7 CN1 FTS1 ICC7 CN1 CN1 CN1 CN1 CN1 CN1 CN1 CN1 CN1 CN1	1.045235 1.0428275 1.0428275 1.0419675 1.0409307 1.03467 1.03467 1.03467 1.03467 1.025956 1.025956 1.025956 1.025956 1.025956 1.025956 1.025956 1.025956 1.025956 1.0142505 1.0142505 1.0142505 1.0142505 1.0142505 1.0142475 1.0142505 1.0142475 1.0142505 1.0142475 1.001475 1.001475 1.001475 1.001475 1.001475 1.001475 1.001475 1.001475 1.001475 1.001475 1.001475 1.001475 1.001475 1.001475 1.001475 1.001475 1.001475 1.001475 1.00147 1.00	PCSK1 DDX21 DX21 ARHGAP36 CRIP1 BR0R57-ASM UCP2 DNPEP SIC25A43 SIC25A43 SIC25A43 HIST2HZAB WYO19 LYN MELK TPBGL CDK11 FAM83D HIST1HZA CDK1 CDK1 CDK1 CDK1 CDK1 CDK1 CDK1 CDK1	0.917031 0.9152435 0.913221 0.913221 0.90379 0.908605 0.907702 0.9067192 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.906319 0.898062 0.898062 0.898062 0.898062 0.898062 0.898062 0.8948555 0.8810125 0.8880445 0.887542 0.887542 0.8829815 0.8829815 0.8829815 0.8829815 0.8829815 0.8829815 0.8829815 0.8829815 0.8829815 0.8829815 0.883942 0.887842 0.887842 0.887842 0.879645 0.8775555 0.8775555 0.8775555 0.8775555 0.87755555555 0.87755555555555555555555555555555555555	FLT1 EMP3 MCM10 GNAZ OXXCS ALDH1B1 FAM72B PWP2 MARK8IP1 DAR52 CEP55 HIST1H2BL MTFR2 CGN LIMNB1 PKS22 PLXNA2 CRH HIST1H2BL MTFR2 GRAMDIA TTVH3 SLC1RA2 ANGPTL2 DFF1 PHID11 RELN MCM2 ENOPF1 EXOSC5 TUBB4B TIPIN TGF12 POPDC2 RNF8 SFXN4 MAML2 AMD1 TUBG1 ARHGEF28 TBLLRR1	0.824592 0.8238225 0.8238215 0.8238215 0.822824 0.812865 0.818265 0.818265 0.818265 0.818265 0.816395 0.816395 0.816395 0.816395 0.815846 0.813951 0.815846 0.813951 0.813918 0.8138965 0.813918 0.8138965 0.813918 0.8138965 0.813918 0.813926 0.81391 0.812526 0.81247 0.8009375 0.8009375 0.8005275 0.8005275 0.800129 0.8014205 0.8014205 0.800127 0.799644 0.799546 0.	ABCB6 ARB33A ATP6V1E2 MKI67 DSCC1 GEPC3 DPP7 CDK2AP1 RABERK ATP181 KIFZGA LDB2 SIC25A19 USP1 KIH23 DTL TIMP3 CKH123 DTL TIMP3 COS8 PAGR8 CCN81 RET DEK RND3 MCM6 ADAMT57 PNP HISTIH1B NCCA3 NCOA3 PCD2 CXCR4 GCM45 CDC74B STMAT STEGAL1 PSAT1	0.758199 0.759004 0.757059 0.757059 0.757059 0.75029 0.7532125 0.753125 0.753125 0.753125 0.753125 0.753125 0.753125 0.752125 0.752125 0.752125 0.7520255 0.742795 0.742925 0.743925 0.743925 0.73926 0.7		

Supplementary Table 5. Genes downregulated by GSK-J4 related to Fig. 6b.

Description	log2 (FC)	Description	log2 (FC)	Description	log2 (FC)	Description	log2 (FC)
GABRA4	2.002878	CETN3	0.980721	IFIT5	0.8291315	HOMER1	0.7665685
GPR22	1.960247	EEF2KMT	0.9802005	VSTM4	0.82664	ANXA6	0.7662745
CDCA3	1.7204595	PPEF1	0.9784665	HSD17B7	0.8264445	CAPN6	0.7662495
CDK15	1 6739825	TUBB8	0 9718005	DIFU2	0.825846	DEPDC1B	0 765342
EAM72B	1 6477365	KIA A 10241	0.0716115	784N82	0.824302	LCMT2	0.765181
FAN1720	1.0477305		0.067060		0.024002	KIEAA	0.764956
FAIVI7ZA	1.5706995	HISTINSA	0.967069		0.82302	NIF4A	0.704850
UAS1	1.5681005	ISOCI	0.96462	TIAM1	0.822294	HIST1H4D	0.7637735
HS3ST2	1.54878	NABP1	0.962395	DCTPP1	0.8213435	HIST1H2BB	0.763099
ARHGEF39	1.5020165	LRRC34	0.9586415	PRMT6	0.821043	CBR4	0.763014
FAM72D	1.4797305	KIF14	0.9562595	UCP2	0.820882	BORCS7-ASMT	0.7629915
BUB1	1.4796205	GNB4	0.956252	WDR46	0.820758	ALG1	0.7595085
CEP55	1.473713	SELENBP1	0.953799	KIFC1	0.820184	MKI67	0.758077
FAM72C	1 446828	MCM10	0 9522335	MARVEI D1	0 8201745	7NF287	0 7579165
ABCA12	1 3088565	GLA	0.9469565	CARSOL	0.8201555	HVI S1	0 757493
ABCAIZ	1.3500303	GLA SDX042	0.9409303	CAB35L	0.8201333	DUDAD	0.737493
CENPA	1.3631	FBXU43	0.946167	CD47	0.819867	BOBIB	0.755509
PIGW	1.3570155	RMI1	0.9404065	MAGI1	0.8197065	CENPW	0.755419
CHAC2	1.355461	TNFAIP8	0.9389385	C3orf14	0.8196045	SCARA3	0.754553
DHCR24	1.3536805	S1PR1	0.9381585	CCDC167	0.8191785	RBPMS2	0.7528355
CDKN3	1.3530515	MPHOSPH6	0.9378775	METTL7A	0.81756	GTSE1	0.752401
POP5	1.3423625	CROT	0.9375545	HIST1H2BG	0.8138175	CTPS1	0.752385
ADAMTS1	1.3422115	NEFH	0.934242	Clorf131	0.8110815	FAM111B	0.751711
KIE20A	1 330638	ESCO2	0.020226	I P DR	0.8110585	DI K1	0.751675
	1.333038	LJCOZ	0.0202520	CONF1	0.8110365	CONF	0.751075
SLCZ/AD	1.29907		0.9232585	CONEL	0.8109765	DNO1	0.751412
LKK I M1	1.294278	COL6A6	0.9227425	CDCA2	0.810786	PNO1	0.7513895
ADAMTS4	1.290066	LHX9	0.9222	E2F8	0.8105455	FAM173B	0.750627
FABP5	1.2832225	HIST1H4L	0.922108	LRR1	0.809842	CCDC121	0.7488295
TTF2	1.2813805	CENPI	0.9201795	HIST2H3A	0.809542	SLC35E3	0.746751
HMMR	1.269343	TIPIN	0.917628	ABCD2	0.8094315	KIAA0125	0.7460965
HIST1H2BI	1.250498	BCKDHB	0.915872	EHD4	0.8092155	WDR35	0.7456365
SCGN	1 250291	AOX1	0.9152305	PALMD	0.8088365	FDPS	0 744777
DCDC1	1.230231	TURD1	0.0000015	FALIND	0.0000303	ANUN	0.744777
PSRCI	1.232345	TOBDI	0.9009015	SUSTDUE	0.8083645	AINLIN	0.7432525
SSPN	1.2238975	КРНЗА	0.900191	LMNB1	0.8081145	CCNE2	0.7426865
FAM83D	1.2079625	POPDC2	0.8983815	MTERF3	0.8054075	ELAC2	0.740663
CCNB1	1.205968	PON2	0.8967725	POLE2	0.8049455	NUDT19	0.739674
PCDH18	1.202608	AURKA	0.896661	TTC38	0.8024935	CDC20	0.737603
SHOX2	1.18655	MTUS2	0.896244	SEMA3A	0.8014545	MCCC2	0.73455
HIST1H2AB	1.182082	RBM45	0.894017	KDM8	0.8010355	CBLN1	0.734272
56012	1 1751515	GATS	0.8922285	C10orf128	0.8008925	LPCAT3	0 7335965
W/DR77	1 172651	CDV1	0.0522205	SIC2EAE2	0.0000325	CTEA	0.7333505
TDIMEO	1.175051	TURDAR	0.890077	SLCZSASS	0.7969455	CNG12	0.735505
TRIN59	1.1730225	108848	0.889865	ENTPD3	0.798145	GNG12	0.7326305
DLGAP5	1.1710225	PIK3R3	0.887125	DCAF6	0.798085	DPYSL5	0.731481
ADAM12	1.1449395	OIP5	0.8831055	AS3MT	0.797713	NEXN	0.7314255
TRMU	1.143721	CD3EAP	0.8818075	HIST2H4A	0.7970625	GRWD1	0.731416
HSPA2	1.140671	HIST1H1B	0.881675	EID1	0.795116	NUDCD2	0.7312255
DKK1	1.139863	RNF145	0.8802055	LIG4	0.7949885	BCCIP	0.7305175
ACE	1 1212455	FLK3	0 879889	RBM14	0 7941745	MTERE2	0 7303635
DOLDOC	1 1100425	ECTO	0.974101	STOM	0.7029505	EIV1	0.720259
MADADO	1.1100425	NOLG	0.874101		0.75385555	CCDC71	0.730238
IVIRAP2	1.1010955	NOLO	0.870601	TPRIPLI	0.793301		0.7290725
ZC3H4	1.094208	HSPA4L	0.869473	IIGA9	0.793001	KNOP1	0.7270215
HMGN5	1.0824625	CRYZ	0.868288	POLR3H	0.792142	NUSAP1	0.726642
POP1	1.077091	SRSF2	0.867641	C1QL1	0.791371	CLC	0.7237075
FRZB	1.0750525	GTF2H2	0.866721	ALDH4A1	0.7908575	HN1L	0.7234235
FABP5	1.0652625	NRP2	0.8664605	TMPO	0.7905385	TIMM8B	0.72046
RNF26	1.059643	ADI1	0.866282	ZDHHC16	0,7896755	CHCHD7	0,719318
TMFM19	1 0553845	NT5E	0.8653925	NDUFA10	0 7894015	7NF480	0 7186005
TACC2	1.0533043	TRIDIO	0.8617065	DDDV1	0.7000045	MPDIEO	0.7101005
MOD 4	1.051/55	111123	0.001/905	FRUX1	0.7890845	IVINPLOU	0.7101995
WDK4	1.049956	EFHC2	0.8588445	UBE25	0.7886335	KHUB	0.71/16
CPT2	1.0412195	HELLS	0.858723	DCN	0.787255	GLRX2	0.7168405
HIST1H2BM	1.02962	RGS2	0.858473	GCH1	0.7869755	HIST1H2BJ	0.7135355
LCP1	1.0275845	AURKB	0.858079	INCENP	0.785728	CHTF8	0.7134925
C8orf48	1.024732	HIST2H3A	0.8557945	SEMA3E	0.7843485	UTP20	0.7129835
PTTG1	1.024696	POLR2L	0.85529	GMNN	0.782422	SLC2A6	0.712346
SI C46A3	1 0245685	RTI 1	0.8526685	LIBE2T	0 7808795	HRH3	0 710794
CENDE	1 0200005	KIE22	0.8524205	CD248	0.780722	GPSM2	0.710105
MDOATA	1.0209985		0.0524295	0248	0.700732		0.710195
IVIBUAT4	1.0162175	551	0.850459	KGLI	0.7800075	KBIVI14-KBM4	0.7094855
HTATIP2	1.012118	BEX1	0.8476705	SPDL1	0.779799	PUS7	0.709147
ACAT2	1.011124	RNFT1	0.8471105	DBI	0.7794305	CCNB2	0.7089505
IGFBP7	1.0103975	MAP2K6	0.8454915	P2RY6	0.7791215	GTF3C6	0.708847
PPP1R10	1.0065005	CLMP	0.841766	NLRP14	0.7779535	UBE2C	0.708718
SNRPG	1.0051075	RARG	0.8412255	FKBP7	0.777402	FAM217B	0.707986
SDHAE3	1.0047995	RAB29	0.838671	7C2HC1C	0.7767285	CDK5	0.705987
EARDE	1 004217	METTI 10	0 836373	NDC80	0.7740205	NDUEAE2	0.705017
FABPO	1.004217		0.0303/2	NDC80	0.7749395	NDUFAF3	0.705917
HIST1H3G	1.0029625	ASPIN	0.83573	DOLK	0.774007	FAM86C1	0.705856
DARS2	0.9981075	PEBP1	0.835273	ACADSB	0.773414	CAMKV	0.7043205
TIGAR	0.9933485	CYB561	0.835042	C12orf66	0.7729535	SPA17	0.703667
GABRB1	0.9921695	MGST2	0.834794	GSTA4	0.7719455	PLBD1	0.7035385
LPCAT1	0.9898065	ANAPC15	0.8332625	NXPH2	0.7708635	UMPS	0.7030695
HIST1H1D	0.9867075	RELLI	0.8310645	ROPA	0.7702045	CTSE	0 7027555
COorfCA	0.9007975	CEO-f120	0.0310003	COAF	0.7702905	NDE1	0.702/333
01104	0.964354	0001120	0.630514	CUAS	0.7082175	NUEL	0.70091
CETNIA	0.000724	LUDE:	0.0201115	MAD DI 10	0 7676005	A 1/4	0 7000007
CETN3	0.980721	UHRF1	0.8301445	MRPL40	0.7676895	AK1	0.7006635

Common 89 genes			
HS3ST3A1	PALM3	SEPT4	TNFAIP8
KLHL14	CDT1	PIM1	PAQR5
PCSK1	RNASEH2B	CDCA7L	DLX5
DDB2	PMAIP1	OAS3	ABCB4
ZNF385B	BHLHE40	NEMP2	MXD3
ORC1	NHS	DDX60	KIF15
AURKB	GPC3	XKR5	METTL7A
MIR503HG	CCBE1	ARHGEF39	HJURP
BARD1	RP11-214O1.2	KIF2C	HHIP
IMPA2	BHLHE41	HIRIP3	CTNNAL1
FAM72D	SOX2	CDCA7	KIF20A
KANK4	SPC24	FOXN4	CEP152
E2F7	RDM1	CDC20	TRIM59
PSRC1	LBR	C8orf88	FAM72C
GPM6A	E2F8	EXOSC8	ANP32B
MEGF6	NID1	PRR11	C21orf58
CRNDE	CTB-193M12.5	HMGB2	PDGFC
C2orf48	KDELC2	H1F0	
NDE1	TGM2	ITGA4	
CD302	TEX19	PRIM1	
ANKRD18B	BORA	CDCA3	
KIAA1644	MBOAT1	RARRES2	
SERTAD4	SKP2	NQO1	
ERFE	FAM72B	TOP2A	

Supplementary Table 6. Genes downregulated by palbociclib related to Fig. 6c and d.

Su	pplementary	Table 7	7. A 149	gene signature	related to F	ig. 7.
\sim -			• • • • • • • • • • • • • • • • • • • •	Serre Signmente		

CCNB1	DDX28	WDR77
CCNE1	NOP56	CTPS1
FUS	RRM2	SNRNP25
CLCN4	FEN1	SPA17
UNG	NCAPD2	POP1
ARMC6	MRPL40	RPA3
KIF4A	FAM83D	DLGAP5
MCM10	CHAF1B	MKI67
KLRG1	MCM6	ZC3H4
HN1	POP5	CDKN2C
NDC80	PIGW	TUBB4B
CCNA2	ZNF326	POLA2
MAGI1	TRIM59	SPC24
PSRC1	UHRF1	E2F8
UCP2	COA3	HMGB3
KIF23	FGD6	NDUFAF3
PTCD2	CENPF	SFXN2
BRI3BP	SLC25A53	PLK1
LMNB1	SLC35B4	MRPL24
CCNB2	CDCA8	PIK3R3
MCM2	UTP20	MAP2K6
MCM4	TPX2	ALDH1B1
RPUSD2	ANP32E	LRRC34
CKAP2L	GINS1	KDM8
DTD2	KPNA2	PRMT6
CDCA2	BIRC5	FAM86C1
JMJD8	FABP5	MANEAL
GJC1	SUV39H2	CBLN1
CCNF	AURKA	RMI1
ALG1	AURKB	ASPM
GEMIN5	TIPIN	PNRC2
EEF2KMT	GRWD1	TMSB15A
LBR	RANBP1	ACAD9
DARS2	KCTD17	CDCA3
ESPL1	GEMIN4	ACAT2
FKBP7	C1orf131	HNRNPM
GTF2E1	LCMT2	SRSF1
TTF2	GTSE1	NOL6
SFPQ	KNOP1	SPC25
KIF11	PTTG1	BUB1B
KNSTRN	PFAS	POLR3H
KIFC1	CENPE	HMMR
TMPO	MRM1	FAM217B
MRPS7	HN1L	GMNN
ARHGEF39	HNRNPA2B1	KIF20A
RUVBL1	TACC3	CCDC121
WDR4	NAE1	FDPS
CENPA	ICMT	AMD1
H2AFX	SLC2A6	NUSAP1
UROS	CEP55	

Supplementary Table 8. The gene list differentially expressed in high-risk and low-risk neuroblastomas related to Fig. 7.

Gene symbol	Class
RPA3	High-risk
KIF20A	High-risk
SFXN2	High-risk
MCM6	High-risk
RPUSD2	High-risk
MKI67	High-risk
NUSAP1	High-risk
PTTG1	High-risk
DAK52	High-risk
MCM2	High-rick
GMNN	High-risk
LMNB1	High-risk
UNG	High-risk
BUB1B	High-risk
POLA2	High-risk
HNRNPM	High-risk
SUV39H2	High-risk
WDR//	High-risk
CONF1	High-risk
KIF23	High-risk
MCM4	High-risk
MCM10	High-risk
GINS1	High-risk
TPX2	High-risk
SNRNP25	High-risk
TMPO	High-risk
NCAPD2	High-risk
CHAF1R	High-rick
TTF2	High-risk
DDX28	High-risk
AURKA	High-risk
DLGAP5	High-risk
ANP32E	High-risk
RRM2	High-risk
LENPA	High-risk
CCNA2	High-risk
TUBB4B	High-risk
FEN1	High-risk
PLK1	High-risk
HN1	High-risk
TIPIN	High-risk
RANBP1	High-risk
CCNB1	High-risk
MRPS7	High-risk High-risk
CENPE	High-risk
H2AFX	High-risk
KIFC1	High-risk
KPNA2	High-risk
KIF11	High-risk
SPC25	High-risk
TRIM59	High-risk
DOD1	High-risk
GRWD1	High-risk
CDCA8	High-risk
SPC24	High-risk
TMSB15A	High-risk
NDC80	High-risk
E2F8	High-risk
GISE1	High-risk
CBIN1	High-risk
HMGB3	High-risk
UHRF1	High-risk
BRI3BP	High-risk
ESPL1	High-risk
U1P20	
C IC1	High-risk
GJC1	High-risk High-risk High-risk
GJC1 KNSTRN CKAP2I	High-risk High-risk High-risk High-risk
GJC1 KNSTRN CKAP2L ASPM	High-risk High-risk High-risk High-risk High-risk
GJC1 KNSTRN CKAP2L ASPM CEP55	High-risk High-risk High-risk High-risk High-risk High-risk
GJC1 KNSTRN CKAP2L ASPM CEP55 RUVBL1	High-risk High-risk High-risk High-risk High-risk High-risk High-risk
GJC1 KNSTRN CKAP2L ASPM CEP55 RUVBL1 BIRC5	High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk
GJC1 KNSTRN CKAP2L ASPM CEP55 RUVBL1 BIRC5 HMMR REAC1	High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk
GJC1 KNSTRN CKAP2L ASPM CEP55 RUVBL1 BIRC5 HMMR PSRC1 IBR	High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk
GJC1 KNSTRN CKAP2L ASPM CEP55 RUVBL1 BIRC5 HMMR PSRC1 LBR KIFAA	High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk
GJC1 KNSTRN CKAP2L ASPM CEP55 RUVBL1 BIRC5 HMMR PSRC1 LBR KIF4A CCNB2	High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk
GJC1 KNSTRN CKAP2L ASPM CEP55 CUVBL1 BIRC5 HMMR PSRC1 LBR KIF4A CCNB2 DTD2	High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk
GIC1 KNSTRN CKAP2L ASPM CEP55 RUVBL1 BIRC5 HMMR PSRC1 LBR KIF4A CCNB2 DTD2 ARHGEF39	High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk Ligh-r
GIC1 KNSTRN CKAP2L ASPM CEP55 RUVBL1 BIRC5 HMMR PSRC1 LBR KIF4A CCN82 DTD2 ARHGEF39 ICMT	High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk Low risk Low risk Low risk
GIC1 KNSTRN (KAP2L ASPM CEP55 RUVBL1 BIRC5 HMMR PSRC1 LBR KIF4A CCNB2 DTD2 ARHGEF39 ICMT PNRC2	High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk Low risk Low risk Low risk
GJC1 KNSTRN CKAP2L ASPM CEP55 RUVBL1 BIRC5 HMMR PSRC1 LBR KIF4A CCNB2 DTD2 ARHGEF39 ICMT PNRC2 POP5 SEP0	High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk Low risk Low risk Low risk Low risk Low risk
GJC1 KNSTRN CKAP21 ASPM CCEP55 RUV8L1 BIRC5 HMMR PSRC1 LBR KIF4A CCN82 DTD2 ARHGEF39 ICMT PNRC2 POP5 SFPQ SIC45R4	High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk Low risk Low risk Low risk Low risk Low risk Low risk Low risk
GJC1 KNSTRN CKAP21 ASPM CEP55 RUVBL1 BIRC5 HMMM PSRC1 LBR KIF4A CCN82 CD82 ARHGEF39 CTD2 ARHGEF39 CTD2 SPQ SPQ SPQ SIC3584 POLR3H	High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk Low risk Low risk Low risk Low risk Low risk Low risk Low risk Low risk Low risk
GJC1 KNSTRN CKAP2L ASPM CEP55 RUV8L1 BIRC5 HMMR PSRC1 LBR KIF4A CR082 DTD2 ARHGEF39 ICMT PNRC2 PNRC2 PNRC2 SIC2584 POLR3H MANEAL	High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk Low risk Low risk
GJC1 KNSTRN CKAP2L ASPM CCPP55 CCP55 RUV8L1 BIRC5 HMMR PSRC1 LBR KIF4A CCNB2 DTD2 ARHGEF39 ICMT PNRC2 POP5 SFPQ SLC38B4 POIR3H MANEAL COKN2C	High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk Low risk Low risk
GJC1 KNSTRN CKAP2L CKAP2L CSP25 CPP55 RUVBL1 BIRC5 HMMM PSRC1 LBR KIF4A CCNB2 DTD2 ARHGFF39 CTD2 ARHGFF39 SLC3584 PODF5 SLC3584 POLR3H MANEAL CDKN2C CDK122 CDKN2C CDCL212	High-risk Low risk
GJC1 KNSTRN KXSTRN CXAP2L ASPM CCPP55 RUV8L1 BIRC5 HMMR PSRC1 LBR KIF4A CCNB2 DTD2 ARHGEF39 ICMT PNRC2 POP5 SFPQ POP5 SFPQ POP5 SFPQ AG24 MANEAL CCMN2C CCMC121 ALG1	High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk Low risk Low risk
GJC1 KNSTRN KXSTRN CXAP2L ASPM CCPP55 CPP55 RUV8L1 BIRC5 HMMR PSRC1 LBR KIF4A CCNB2 DTD2 ARHGEF39 ICMT PNRC2 POP5 SCR3584 POP5 SLC3584 POP183H MANEAL CCDC121 ALG1 KOM8 CCDC121	High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk Low risk Low risk
GJC1 KNSTRN KNSTRN CKAP2L ASPM CEP55 RUV8L1 BIRC5 HMMR PSRC1 BIRC5 HMMR KIF4A CCN82 DTD2 ARHGEF39 CMT PDP5 SIC3584 POLR3H MANEAL CDKN2C CCDC121 ALG1 KDM8 SIC2A6 BV282 DV282 CMT	High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk Low risk Low risk
GJC1 KNSTRN KXAP2L KXP2L CXAP2L CXP2L CXP2L CXP2S SVPUL1 BIRCS HMMR PSRC1 LBR KIF4A CCKNB2 DTD2 ARNGEF39 ICMT PNRC2 PD0P3 SFPQ SIC3584 PDL83H MANEAL CDKN2C CCDC121 ALG1 KDM8 SIC2A6 PIK3R3 IMDR8	High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk Low risk Low risk
GJC1 KNSTRN KXSTRN CXAP21 ASPM CCPP55 CPP55 RUV8L1 BIRC5 HMMR PSRC1 LBR KIF4A CCNB2 DTD2 ARHGEF39 ICMT CNB2 SPPQ SLC3584 POP5 SC3584 POP4 SLC3584 POP5 SLC3584 POP4 SLC3584 POP4 SLC3584 POP5 SLC3584 POP4 SLC3584 POP5 SLC3584 POP4 SLC3584 SLC3584 POP4 SLC35855555555555555555555555555555555555	High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk High-risk Low risk Low risk
GJC1 KNSTRN KNSTRN CKAP2L ASPM CEP55 RUV8L1 BIRC5 BIRC5 HIMMR PSRC1 LBR LBR CCN82 CCN82 DTD2 ARHGEF39 ICMT PDRC2 CCN82 DTD2 ARHGEF39 ICMT PDR5 SFPQ SIC3584 POLR3H MANEAL CCM02 CCDC121 ALG1 KOM8 SLC2A6 PIK33 JMD8 KLRC1 UCP2	High-risk Low risk L
GJC1 KNSTRN KXSTRN CXAP2L ASPM CEP55 EVV8L1 BIRC5 HMMR PSRC1 LBR KIF4A CCN82 DTD2 ARNGEF39 ICMT PNRC2 POP5 SFPQ SIC3584 POL83H MANEAL CDKN2C CCDC121 ALG1 KDM8 SIC2A6 PIR33 JMD8 KLRC1 UCP2 LC2A5 FICA5 CDC121 ALG1 KDM8 SIC2A6 FICA5 CDC121 ALG1 KDM8 SIC2A6 FICA5 CDC121 ALG1 KDM8 SIC2A6 FICA5 CDC121 ALG1 KDM8 SIC2A6 FICA5 CDC121 ALG1 KDM8 SIC2A6 FICA5 CDC121 ALG1 KDM8 SIC2A6 FICA5 CDC121 ALG1 KDM8 SIC2A6 FICA5 CDC121 CDC12	High-risk Low risk L
GJC1 KNSTRN KNSTRN CKAP21 ASPM CCPP55 CPP55 RUV8L1 BIRC5 HMMR PSRC1 LBR KIF4A CCNB2 DTD2 ARHGEF39 ICMT CNB2 DTD2 ARHGEF39 ICMT PNRC2 POP5 SCR SEPQ SLC3864 POP5 SLC3864 POP5 SLC3864 POP5 SLC3864 POP5 SLC3864 POP5 SLC3864 POR3 SLC3864 POR3 SLC3864 POR3 SLC3864 POR3 SLC3864 POR3 SLC3864 POR3 SLC3864 POR3 SLC3864 SLC386 SLC3864 SLC386 SLC38	High-risk Low risk