

Table 4 Overlap of genes significantly modulated by GS87, SB and Li from gene microarray study

Group	Total #	Gene	<u>SB~Untreated</u>		<u>Li~Untreated</u>		<u>GS87~Untreated</u>	
			log2FoldChange	padj	log2FoldChange	padj	log2FoldChange	padj
GS87 Li SB	24	ERBB4	4.18	0.0389	3.8	0.03717	4.71	0.00604
		CART1	1.94	0.03926	2.23	0.01618	1.9	0.01511
		B4GALNT1	2.22	0.0063	2.03	0.00601	3.4	7.00E-05
		GPNMB	1.71	0.02019	1.65	0.0161	3.5	3.00E-05
		CCL3L3	2.09	9.00E-04	2.53	0.00026	6.24	0
		CD36	-2.17	0.03966	2.91	0.00651	3.12	0.00086
		KCNA4	3.78	0.02193	5.07	0.00444	3.87	0.00309
		FLJ12684	5.75	0.02697	3.86	0.03471	5.26	0.00326
		GATS	1.91	0.00011	1.52	0.00022	3.65	0
		PDE6H	2.17	0.02153	2.22	0.01358	2.16	0.00353
		ARHGAP26	1.95	0.0028	2.53	0.00071	2.92	2.00E-05
		CCL2	4.94	0	4.76	1.00E-05	9.9	0
		IL18RAP	2.79	0.00653	2.85	0.00403	6.01	1.00E-05
		LPHN3	1.98	0.00266	1.69	0.00395	1.5	0.00122
		CENTD1	5.33	0.01391	4.72	0.01183	4.8	0.00229
		CCDC149	2.52	0.02172	3.12	0.00586	3.25	0.00076
		KLHDC7A	1.81	0.03864	1.94	0.02069	1.75	0.00924
		EFNB2	1.57	0.01518	2.04	0.00324	3.6	1.00E-05
		FOXF1	2.48	0.03809	2.94	0.01855	3.34	0.002
		MAFB	2.19	0.00471	2.03	0.00459	7.91	0
		IL1B	2.33	0.0083	2.71	0.0029	7.73	0
		EFCAB1	2.68	0.03924	2.67	0.02764	2.72	0.00724
		GPR39	5.5	0.02073	5	0.01636	5.11	0.00346
		S100A9	2.22	1.00E-05	1.86	5.00E-05	5.37	0
Li SB	6	PRTG	1.9	0.02883	2.44	0.0067		

	NUDT17	4.33	0.04164	4.93	0.01615		
	PHACTR3	1.69	5.00E-05	1.83	5.00E-05		
	CLPTM1	1.65	0.00176	1.78	0.00095		
	DLST	1.8	0.00814	1.6	0.00945		
	KLHL24	-2.7	0.00096	-2.47	0.00103		
GS87 SB	26 CCDC88B	1.69	0.00966			3.2	2.00E-05
	C5ORF20	-1.89	0.00176			-3.62	0
	FZD2	-1.93	0.02073			-2.86	0.00028
	NCF2	1.56	0.00096			5.63	0
	ASS1	-1.8	1.00E-05			-2.74	0
	FYB	1.66	0.00898			2.23	0.00016
	PACSIN3	-1.93	0.04354			-2.88	0.002
	SPP1	4.05	0			5.71	0
	OLR1	2.26	0.00671			5.03	1.00E-05
	C12ORF59	1.75	0.00341			2.43	3.00E-05
	TTC7A	-1.9	0.01633			-1.83	0.00295
	RXFP1	-2.27	0.01295			-2.72	0.00217
	S100A8	2.29	0.00022			5.34	0
	TAAR9	1.98	0.04416			1.8	0.0146
	OKL38	1.55	5.00E-05			4.61	0
	CR1	2.26	0.02315			3.79	2.00E-04
	DHRS9	1.54	0.00113			3.8	0
	HOTAIR	-2.76	0.01295			-1.62	0.03415
	PRR7	2.54	0.03877			1.78	0.04034
	CLEC5A	2.83	0			4.21	0
	IFT57	1.61	0.00044			-1.96	0
	SUCNR1	1.54	0.00569			3.45	0
	JUN	2.41	4.00E-05			4.16	0

	HAVCR2	1.89	0.00049		5.69	0
	FOLR3	2.25	0.03247		5.91	2.00E-05
	MMP9	2.69	0.03697		4.29	0.00068
GS87 Li	66 PRSSL1			-2.31	0.00813	-3.42 3.00E-04
	TMEM151A			3.6	0.03194	3.51 0.01074
	ID3			-2.35	0.00221	-2.08 0.00055
	C1ORF186			1.68	0.00031	-2.78 0
	CLCNKA			3.07	0.04204	3.06 0.01402
	LASS1			-1.96	0.00094	-2.24 3.00E-05
	CIDECP			1.69	0.03539	1.86 0.00674
	HTR7			2.01	0.015	1.74 0.00719
	FMO4			2.12	0.04115	3.49 0.00093
	NPB			2.95	0.04871	2.61 0.02953
	SAMD13			-1.89	0.02512	-2.47 0.00145
	C2ORF58			1.66	0.00607	2.35 0.00011
	ADAM23			2.27	0.04527	-2.61 0.01219
	MYO5C			1.93	0.01953	2.06 0.00336
	ZNF467			3.22	0.03143	4.19 0.00261
	KRT37			1.81	0.02069	1.75 0.01132
	TM6SF1			3.47	0.03216	6.82 0.00031
	HP			1.53	0.00651	4.27 0
	EMP1			2.34	7.00E-05	5.7 0
	FSTL5			-1.53	0.01237	1.54 0.0025
	TNF			1.71	6.00E-05	1.85 0
	EGF			2.27	0.03073	1.98 0.01757
	TNFAIP8L3			2.29	0.00399	1.71 0.00349
	NFKBIZ			1.51	0.00835	3.67 1.00E-05
	HSF4			2.69	0.03001	2.17 0.01433

SULF2	1.56	0.01533	2.83	8.00E-05
TFF2	2.45	0.03948	1.92	0.0306
TNFRSF12A	1.98	0.02873	4.02	0.00016
ABHD14B	-2.28	0.04616	-1.82	0.04369
FAM151A	2.5	0.00869	2.09	0.00478
TTY16	3.92	0.01778	4.52	0.00191
IRAK1BP1	-1.51	0.00956	-2.63	6.00E-05
ARX	3.32	0.01699	2.71	0.01151
FAM171B	2.57	0.04767	2.05	0.03943
SDPR	1.85	0.03312	1.52	0.0258
CTSG	-2.19	1.00E-05	-4.29	0
PADI4	2.5	0.02599	7	1.00E-05
GALR3	2.64	0.04121	3.58	0.00311
SLC2A6	1.97	0.00168	3.09	1.00E-05
CCL3L1	4.09	0.01481	6.96	0.00028
MTMR7	3.24	0.01298	3.8	0.00103
FLJ20273	1.96	0.00366	4.12	0
PRTN3	-1.57	0.00013	-6.12	0
OXGR1	2.49	0.04937	2.51	0.02769
ADORA3	1.67	0.00013	1.97	0
VCY	3.25	0.04871	3.01	0.02364
C2CD2L	2.14	0.00445	1.86	0.00159
RASGRP3	3.03	0.01021	5.72	5.00E-05
HSH2D	-2.09	0.00011	-1.85	1.00E-05
ARHGAP5	-1.6	0.00601	-2.36	8.00E-05
SLC47A2	5.14	0.02295	4.48	0.00839
KNG1	-5.7	0.0084	-2.9	0.00532
CYP17A1	2.64	0.03526	2.17	0.01603
ZMYND11	3.32	0.01826	2.33	0.02593

RELB	1.9	0.00015	2.15	0
CDKN1A	1.78	0.00068	4.97	0
CAMKV	3.2	0.00784	-1.82	0.0425
GATA2	1.6	0.00015	-1.6	1.00E-05
PRKACA	2.79	0.03163	2.94	0.00728
PAX3	1.61	0.04751	1.92	0.00651
TCEA3	-2.17	0.0053	-4.31	1.00E-05
RGPD1	1.65	0.02295	2.52	0.00048
FER1L3	1.6	0.01402	1.58	0.00335
NOD2	2.36	0.01285	2.28	0.00327
CLIC2	2.84	0.02039	1.74	0.03905
AGPAT9	1.65	0.00015	4.97	0

SB	34	PINK1	-1.5	0.00437
		ANGPTL5	-2.35	0.03841
		PELI2	-2.08	0.00025
		PLA2G2A	-2.24	0.0193
		CYP1A1	-1.56	0.0215
		FRAT1	-1.97	0.00175
		CCNG2	-1.68	0.00246
		HABP4	-1.71	0.04318
		VASH1	2.45	0.04523
		TGM5	1.55	0.00338
		ENTPD7	1.56	0.00027
		ELA1	-1.63	0.02633
		SNORD47	-3.67	0.04794
		TPH1	-2.47	0.01943
		KRTAP6-3	-2.31	0.032
		DNMT3A	-2.55	0.00699

PYHIN1	-1.83	0.00442
IPMK	-1.51	0.00762
MIR744	-5.07	0.02026
TPSAB1	-2.24	0.02073
BMF	-4.31	0.00175
C5ORF41	-1.78	0.00076
PEX3	-1.7	0.03518
KRTAP20-3	-1.86	0.04794
MCC	-3.82	0.01863
METTTL7A	-1.66	0.02329
SLC7A5P1	-1.54	0.04676
PHKG1	-2.06	0.01183
BNIP3L	-1.55	5.00E-05
C17ORF100	-1.83	0.03391
GABBR2	-3.41	0.0066
MCF2L2	-1.94	0.01208
CH25H	-2.5	0.04435
PCIF1	-3.23	0.00966

Li	47 MEFV	-1.7	0.04239
	SIAH3	2.39	0.04433
	MIR192	-4.87	0.01227
	GPR114	2.07	0.00042
	NIPSNAP1	-1.55	7.00E-04
	PAQR8	-1.79	0.00329
	FLJ45974	-1.84	0.00975
	ULBP3	2.56	0.04457
	GANC	-1.77	0.03945
	ATHL1	-1.86	0.03072

MYBPH	1.58	9.00E-05
NPPA	-2.12	0.01066
PRAMEF5	-1.64	0.04841
LTB	1.87	0.00015
BTBD2	-1.59	5.00E-05
TMPRSS13	-1.51	0.0179
ZNF362	-1.5	0.00017
NR1D2	-1.7	0.00126
TRHDE	2.69	0.03454
LYPD6B	1.63	0.01742
NEK11	1.78	0.03493
CLDN5	2.89	0.01953
LRCH2	-3.19	0.01016
CYP2C18	-3.42	0.02652
SNORA34	1.86	0.00528
ASB6	1.71	0.03681
OR5J2	2.02	0.04995
LRRC26	-1.64	0.00431
PRSS23	-1.9	0.02254
FOXB2	2.08	0.03073
OR5B3	-2.04	0.04925
MIR580	-3.75	0.04277
CRIP1	1.66	0.00573
VCAN	1.83	0.00443
ICA1	-1.55	0.00101
COX11	1.81	0.00743
SLC5A1	-1.73	0.02076
DYX1C1	2.08	0.04455
SPG3A	-1.53	0.02016

MLLT11	1.6	0.00128
ANKRD55	-1.56	0.01222
C7ORF4	3.4	0.02646
UGT1A5	-3.52	0.04651
DNAH5	3.32	0.02223
YPEL2	-1.55	0.02386
C4ORF6	3.01	0.03951
MLXIP	-1.7	0.04429

GS87	1206	RNU1-5	1.74	1.00E-05
		B3GNT5	1.66	0.00012
		MLC1	-3.09	0
		TSPAN32	-1.67	0
		GNL3	-1.5	0
		BTG2	4.07	0
		PSTPIP1	2.54	1.00E-04
		LPP	1.59	0
		ZNF485	1.5	0.02642
		UTP20	-1.86	0.00093
		SUPV3L1	-1.9	0
		PTPRCAP	-2.01	0
		GCSH	-2.8	0
		BYSL	-1.55	1.00E-05
		PDF	-1.79	0.00011
		SLC22A18AS	5.41	5.00E-05
		MEF2D	-1.68	0
		HSPB1	-1.86	0
		IL26	-2.08	0.03865
		C16ORF7	3.3	0.00639

LRP3	-1.5	0
APOB48R	2.29	2.00E-05
MRPL4	-1.54	0
BCAR4	-1.53	0.01448
TSTA3	-2.07	1.00E-05
MATK	-3.26	0
NCF1C	5.6	0
NCF1B	2.3	0.00064
GDF15	5.59	0.00088
ANXA1	1.88	3.00E-05
SIDT1	-2.52	0.00339
C1RL	3.84	0.00084
CD300C	2.74	0
AMICA1	1.93	0.00884
TOP1MT	-1.82	0
FAM134B	1.63	0
NTSR1	1.83	0.00012
MITF	1.66	0.0018
RENBP	6.88	0.00941
NUBP2	-1.77	0.00015
LILRB2	2.56	0.00324
C15ORF52	3.67	1.00E-05
MSC	2.34	0.0139
LYG1	1.91	0.03484
SLC2A5	2.57	0
IQCK	-1.84	3.00E-05
REEP6	-1.88	0.02536
IMP4	-1.82	0
PLCB2	4.69	0

RDH13	-1.59	1.00E-05
C21ORF56	-2.37	0.00415
FAM151B	1.59	0.01537
C20ORF27	-2.33	0
NLRC4	3.54	6.00E-05
SLC38A5	-1.76	0.00207
CYTH1	1.79	1.00E-05
KLF11	-2.04	0
ARL2	-1.65	0
FGR	6.28	0
SLC22A4	-1.7	0
C18ORF45	-1.94	0.00087
MSRB3	-2.01	0.00011
AQP9	7.91	7.00E-05
SLC16A14	4.09	0.0016
SQRDL	1.63	2.00E-05
IRF1	1.53	3.00E-05
PTPRE	1.94	0
LYAR	-1.85	0
KCTD15	-1.57	1.00E-05
WDR21A	-2.33	0.00015
CD1D	1.84	2.00E-05
RAB40B	-2.12	1.00E-05
TNS3	-1.6	4.00E-05
GK	1.8	1.00E-05
FAM86C	-1.82	0.0071
MFSD6	2.64	0
PIR	1.95	0
RPL36A	-2.89	0

NRP1	4.17	0
ALOX5	3.72	0
NFIA	-3.29	0.00042
AK3L1	-2.29	0
GPR162	1.62	4.00E-05
BZRAP1	-4.11	1.00E-05
ATXN10	-1.59	0
FASN	-1.74	0
METTL8	3.4	0.0178
SFXN2	-2.29	1.00E-05
IRX5	-1.5	0
CCDC34	-1.72	0
PTPN22	2.1	0
SLC39A14	-3.06	0
RGS16	-3.66	6.00E-05
SNORA71A	-1.89	0.03383
FARSB	-1.54	0.00056
GPR137B	2.14	3.00E-05
HNMT	1.5	2.00E-05
PRKCB	2.26	0
C5AR1	5.41	8.00E-05
SLC22A18	4.08	0.00714
PDLIM7	2.35	2.00E-05
GRM8	-3.54	0.00732
COL9A2	2.01	0.0026
RPL29	-2.22	0
SLCO2B1	1.6	0.00621
SIGLEC9	2.12	0.04201
SLC44A2	1.92	1.00E-05

BBS12	5	0.03233
TBL3	-1.67	0.00137
IMPDH2	-1.69	1.00E-05
TLR1	2.73	1.00E-05
ELANE	-3.72	0
TTY1	1.64	0.00949
SQSTM1	3.41	0
TMEM127	2.06	1.00E-05
ABHD4	2.78	0.00201
CD55	1.7	0.00027
PDCD5	-1.62	0
AP1S2	2.72	0
MACROD1	-2.67	1.00E-05
RPP40	-2.82	0
MTHFR	1.52	0.00025
PLUNC	2.76	0.03677
CSGALNACT2	1.64	0.00023
DACH1	-2.91	0
HSPA1L	3.18	0.0126
TMEM45A	-1.67	0.02074
PNMA6A	-3.45	0.00241
WDR54	-1.98	0
PLP2	2.75	1.00E-05
KATNB1	-1.53	0
ZNF397	2.29	0.01327
HAGHL	-1.75	2.00E-05
DYSF	1.96	0.02585
RFTN1	-1.6	0
ALKBH2	-2.22	0

C20ORF103	-4.35	0
VWA5A	2.66	2.00E-05
C10ORF79	-1.93	0.0047
KLHL23	-2.05	0.00308
CD38	4.07	0.00088
NAT8L	-4.11	0.01806
NPC2	2.91	0
CMTM1	2.52	0
EVI2A	2.15	1.00E-05
FTHL2	2.29	0.03467
LGALS1	2.52	0
ALDH18A1	-2.37	0
COL15A1	2.52	0.01375
NPAS1	-2.66	0.03007
FBXL14	1.93	0.04565
VAT1L	-4.9	0
PSMG4	-2.08	0
IPO4	-1.91	0
QDPR	-1.54	0
LILRB4	-2.65	0.00206
ORM1	-1.5	1.00E-05
PM20D2	-2.61	0
CNKSR3	-1.98	0.00024
BOP1	-2.03	0
HBEGF	2.6	0
NTHL1	-2.87	0
C9ORF103	1.63	0.02452
MRPL12	-2.41	4.00E-05
SEMA3A	-1.66	0.00708

C1ORF188	-3.07	0
PLIN2	3.49	0
TPCN1	2.41	0.00217
NFKB2	1.93	0.00013
BCL2	-2.39	0
SLC2A3	4.52	0
C3AR1	2.39	0
FAM102B	-1.62	1.00E-05
ORAI3	2.33	0.0368
SLC6A6	2.74	0
DUSP5	2.85	0
SNHG3-RCC1	-3.38	0.01498
CDS1	2.31	0.00878
SLMO1	-2.05	0
TTYH3	1.77	0
A4GALT	4.08	0.01583
SLC12A6	2.75	0.00016
KBTBD6	-1.86	0
POLR2I	-1.54	1.00E-05
NUDT7	-1.74	0
TLR6	2.4	0.00084
SLC9A9	3.26	0.04558
ADORA2A	2.91	0
RCSD1	1.5	1.00E-05
C8ORF38	-1.53	3.00E-05
GSDM1	-1.86	0.00144
CAMK2D	4.62	0.00858
IRS1	2.38	0.03997
GUCA1B	2.21	0.00041

C12ORF45	-1.52	3.00E-05
PODXL2	-3.38	1.00E-05
HOM-TES-103	5.15	0.01045
RHOH	1.6	0.02049
GBGT1	1.57	0
RHBDF1	2.21	0.00238
GDI1	1.57	2.00E-05
RGL1	3.58	0
DPYD	1.93	0
C9ORF164	1.91	0.00106
GOLGA9P	1.79	0.04175
PLD6	-2.74	0
PHLDA1	6.02	0
ACOT7	-1.59	0
TMEM87B	1.76	0.00112
SETMAR	-1.67	0
ENDOG	-1.7	0
ACP2	1.74	0.00017
MRPL54	-1.59	0
FERMT3	1.9	0
SIPA1L2	3.8	0
ATP7A	2.1	0.00198
PILRA	3.06	0
PLEKHG2	2.37	0.01506
PPARG	2.75	0
MERTK	5.99	0
COL7A1	3.27	0.0114
ISOC2	-2.67	0
CHI3L1	3.34	0

SIGLEC14	2.13	0.01167
NUP88	-1.72	0
C7ORF41	-2.07	0
CD300A	3.72	3.00E-05
CD53	2.3	0
C19ORF66	1.74	0.00086
XRCC6BP1	-1.5	1.00E-05
CSDA	-1.67	0
DCUN1D3	1.62	2.00E-05
CCRN4L	-1.61	1.00E-05
MCOLN2	-2.07	0
NQO2	1.79	3.00E-05
NEU1	2.1	0
PNOC	3.34	0.00164
SERPINA1	3.15	0.00014
STK40	1.98	0
ANTXR2	1.83	0
IPO13	-1.54	1.00E-05
PCCB	-1.99	0
PSCD1	1.53	1.00E-05
UNG	-2.15	0
C9ORF41	-1.66	0.00011
RET	-1.7	2.00E-05
LZTFL1	-1.88	2.00E-05
WDR12	-1.98	0
PKIB	3.25	0.01548
APOBEC3B	2.57	0.01404
PLXNC1	2.46	0.00556
CTXN1	-3.72	5.00E-05

KRTAP10-1	1.53	0.04142
AHCY	-1.62	0
FTHL12	3.05	0
EGR1	4.53	0
FKBP4	-1.81	0
KIAA1271	1.52	0.01134
CYORF15A	-2.36	0.04001
TUBA3E	-2.6	0.03415
ECM1	2.15	4.00E-05
CLDN7	2.75	0.01495
CD58	2.76	0
AKR7A3	-1.52	1.00E-05
BST1	1.85	1.00E-05
LITAF	2.11	0
LRRC25	5.19	0.00136
RGS14	1.58	0.02448
IL18BP	1.55	0.00015
DNAH1	1.7	0.00024
DUSP18	2.6	0.00143
HK3	4.12	0.006
ABCC4	-2.31	0
FAM69B	-4.09	0
ZCCHC24	1.57	8.00E-05
RPS21	-1.5	7.00E-05
IRX3	-1.67	0
MS4A6A	-3	0
IFIT2	2.85	0.00105
KLF6	2	0
MTF1	1.73	0

HILS1	1.93	0.04567
KLF4	1.51	1.00E-05
CORO1B	1.56	3.00E-05
NOL3	1.59	0.03688
KRCC1	1.8	0
CXORF21	-2.15	1.00E-05
MT1G	-1.52	0
PFN2	-2.32	0.00045
HS1BP3	2.1	0.00036
HCK	2.61	0
TMEM140	3.35	0.02768
FAM189B	-1.93	0
ZNF92	-1.58	0.03565
IFI16	2.77	0
MAP4K1	-2.5	0.00033
CDCA7L	-1.73	3.00E-05
POLD2	-1.97	0
KCNB2	2.47	0.02433
LAMB3	4.48	0.02805
PITPNA	1.56	0.01239
TNFAIP6	2.41	0
VIT	-2.11	0
STUB1	-1.7	0.00097
WT1	-2.65	0
TOMM20L	-1.76	0.00995
IQUB	-2.12	0.01801
MTHFD1	-1.74	0
SERPIN2	2.52	0
SLC17A9	-2.22	8.00E-05

ZFPM2	-5.69	0.00762
FLJ21687	3.3	0.02735
FTH1	3.46	0
NHP2	-1.87	0
IER3	6.01	0
CDK6	-2.19	0
PAFAH1B3	-1.7	0
DTNB	-3.55	0.04734
VAPB	-2.01	0.04211
CTSB	1.86	0
SMPD1	1.58	0.00135
DYSFIP1	-3.93	0
ZC3H12A	1.54	2.00E-04
LIN28B	-1.73	0
MRTO4	-1.84	4.00E-05
C1QBP	-1.55	2.00E-05
MAP3K8	2.71	1.00E-05
ZNF354C	-1.85	0.02723
EEPD1	1.67	4.00E-05
FURIN	1.55	0.0048
EGR2	4.68	1.00E-05
GARNL4	1.81	0.00185
SLA	3.89	0
WWC1	-2.63	0.00021
C5	1.76	0.02642
VSIG1	2.02	0.03971
GLB1L2	-2.36	0.02187
PDGFD	-1.56	0.00327
FYN	-1.56	0

BEX2	-2.76	0.03645
ANK2	1.83	0.03369
YPEL5	1.82	2.00E-05
CHST4	-2.95	0.00531
MAPRE3	2.22	0.01795
SMOX	2.22	0
C11ORF75	1.67	2.00E-05
SIRPB1	3.33	7.00E-05
RHBDD2	1.75	1.00E-05
KLF2	1.72	1.00E-05
SGK1	4.25	0
SDC4	2.59	0.01392
MPO	-4.38	0
TFE3	2.63	1.00E-05
ANKRD22	1.66	0
RNF19B	1.61	4.00E-05
C16ORF13	-2.42	0
ZNF586	-1.62	0
POLR3G	-2.24	0.00097
CPD	1.93	0
C19ORF59	3.58	0
TLR8	2.93	0.00467
ABCC3	5.88	0.02084
ITGAV	1.51	1.00E-05
FTHL7	3.17	0
TANK	1.53	0
IL8	3.27	0
ITPKA	2.64	0
MGC3771	1.73	0.04565

SAMD9L	1.53	8.00E-05
MAP1LC3B	1.57	4.00E-05
BEST1	2.36	0.00035
GPATCH4	-1.63	0
MMACHC	-2.79	1.00E-05
ARHGEF3	3.23	0.02449
P2RY8	-1.91	1.00E-05
PECR	2.07	2.00E-05
SIGLEC16	4.01	0.00429
TNNI2	4.48	0.00381
GABRB2	-2.56	0.00197
DSE	3.11	3.00E-05
MAP7	1.53	0.00952
SNORD3D	3.06	0
RAB20	2.34	1.00E-05
DISP1	3.14	0.00295
B4GALT2	-1.55	0.00022
SERTAD1	1.96	0
DENND4B	1.62	2.00E-05
KYNU	3.02	0
PHC2	1.66	0.00383
CAPG	3.72	0
CCL20	4.73	0
CCDC86	-2.25	0
ANKDD1A	2.39	2.00E-05
PHGDH	-1.62	0
ADAM9	2.08	0
RUVBL1	-1.82	2.00E-05
STX11	2.02	0

TBXAS1	4.13	0
STXBP5	2.09	0
MAP6D1	-2.95	0
ALDH1B1	-2.49	1.00E-05
INPP1	1.57	0
NOP16	-2.57	0
IFNGR2	1.54	0
PHOSPHO2	-1.74	4.00E-05
EMR2	2.89	0
GIYD2	-2.04	0.02103
PTGS2	3.51	1.00E-05
EBF3	-3.69	0
OSM	3.93	3.00E-05
PCK1	1.74	0.02616
C3ORF54	-3.1	0
KLHL35	-1.53	0.00068
GLIPR2	2.6	0
NCF1	5.75	1.00E-05
MYO5A	2.25	0
PARD6G	-2.45	1.00E-04
CBS	-2	0
BHLHB2	1.81	0
CNTNAP4	1.62	3.00E-05
P2RY2	-2.1	0
RABGAP1	1.64	0.00021
IER5L	3.92	2.00E-05
GAMT	-2.2	0
TCFL5	-1.53	0
TGFBR1	2.18	0.02593

PPP2R2C	1.61	0.0147
GBP2	2.34	0
GARNL3	-3.9	0.01281
TGIF2	-2.08	0
PNPLA1	2.13	2.00E-05
LRRC34	-2.09	0.00124
HK1	2.55	0
WDR4	-1.71	0
UPK2	-3.82	0.02753
ACCN2	-4.57	0.00026
FAM129B	4.25	0
HEXB	1.85	0
IMPACT	-1.56	0.00064
GALNT12	1.69	0.00466
TMEM169	2.45	0.03114
BAG3	2.09	0
NINJ2	1.93	0
NCRNA00085	3.14	0.00457
CTSK	1.9	0.00058
RRS1	-1.62	0
CD300LG	-1.65	0.01057
NOTCH2	1.74	0.00061
IQCG	1.71	0.00041
USP18	-2.81	0.01147
MEGF9	3.22	0
GABARAPL1	2.47	0
ARHGAP12	2.13	0
LGALS12	1.77	0.00026
PLEKHO2	2.61	0

DEPDC6	-2.54	0.00598
RUNDC3B	-1.63	2.00E-05
OSTM1	2.13	0
CCDC147	1.85	0
KIAA0368	-1.53	0.00094
CCDC85B	-1.69	0.00035
SPDYE1	3.13	0.04757
PRMT1	-2.04	0
TMOD2	2.47	0.00758
CDCA7	-2.16	0
AADAACL1	2.21	0
PDCD2L	-2.39	0
KCNAB1	1.54	0.02587
SDK2	-2.22	1.00E-05
DPY19L2	-3.03	0.04471
COMTD1	-1.57	5.00E-05
COQ3	-1.68	0
CCL4L1	3.75	2.00E-05
ZNF514	1.68	0.00013
CASP7	1.53	0.00027
ESRRB	1.61	0.03035
ASRGL1	2.39	1.00E-05
SLC48A1	1.58	0
TOM1	1.9	0
GNG2	5.27	0.00308
ICOSLG	-1.91	5.00E-05
MTP18	-1.5	1.00E-05
E2F5	-3.44	0
SLC26A11	4.89	0.00028

TMC6	2.06	0
C9ORF140	-2.23	0
TYSND1	-2.2	0
BCL6	4.65	0
CDKN2B	2.75	1.00E-05
NMT2	2.01	6.00E-05
CDR2L	-1.72	2.00E-05
MIR943	3.51	0.02934
OR3A1	1.76	0.03979
ACPP	2.02	1.00E-04
FCRLB	1.73	0
PDZD7	-3.28	0.01149
CTSD	3.41	0
POR	1.75	0
PFKM	-1.51	1.00E-05
DNAJC12	-2.38	0
GART	-1.62	0
ENPP2	2.54	0.00028
SCARB1	-1.9	0
RNF175	-2.1	0.00054
SLC31A2	2.74	0
S100A6	1.86	0
CEP68	-1.97	0.01843
RPL6	-1.7	0
MRPS26	-1.73	0
SLC5A3	1.75	0.00578
MYC	-3.3	0
WDR26	1.67	1.00E-05
PELI1	1.51	1.00E-04

C12ORF24	-2.39	0
ARAP3	2.75	0
C1ORF162	1.89	0
FLJ10996	1.79	0.00324
GPR18	-3.01	1.00E-05
RAB7B	2.33	1.00E-04
IL10RB	1.63	0
GPR124	-3.38	0.00071
TIMP1	3.71	0
RUVBL2	-1.67	0
KAT2A	-2.32	0
RSPH3	2.45	2.00E-05
ALPK1	1.53	2.00E-05
SIGLECP3	2.55	0.00039
WNT10B	-2.16	0.03838
PSCD4	2.29	0
TTC27	-1.8	0
LRP10	1.89	0
RAB31	2.18	0
TMEM187	1.59	0.00325
DHRS3	3.36	0.00664
SLC23A3	-5	0.00983
GAL	-4.65	0
MR1	2.05	0
EXOSC5	-2.08	1.00E-05
AZU1	-2.91	0
SCGB1D2	-2.89	0.00107
CD86	3.32	0
RCC1	-1.71	3.00E-05

SLC11A1	2.78	0.02764
LFNG	3.74	0
PDXP	-1.51	1.00E-05
GPD1L	-1.94	0
IL12A	-2.14	0.02436
SIGMAR1	-1.94	0
LILRA5	3.46	0.00046
KIAA1539	4.64	0.00019
ATAD3A	-1.6	0
FARS2	-1.65	1.00E-05
OSGIN2	1.69	0
TXNIP	-1.62	0
DAD1L	-1.96	0.0066
NNMT	5.54	0.03655
NUFIP1	-1.74	9.00E-05
ZNF74	-1.52	5.00E-05
NPHP3	1.67	2.00E-04
SNORD96A	-1.56	0.00022
CCND3	1.8	0
ADA	-2.29	2.00E-05
HIST2H2AC	-1.6	0.00029
ALDH5A1	-3.05	0
SMYD2	-1.93	0
PBX3	2.04	1.00E-05
C3ORF26	-2.19	0
POLD4	2.05	0.01755
ANXA5	2.22	0
TARBP1	-1.53	0
SNORA79	-4.92	0.04537

NME4	-1.79	0
BATF	2.19	7.00E-05
BLVRB	1.98	1.00E-05
REEP1	-3.69	0.02793
HEATR1	-2.14	0
SGK	4.63	0
CD68	2.83	0
PRKCB1	2.29	0
MVP	2.15	0.00015
GCDH	-2.02	0
GAR1	-1.86	0
NR2F2	-1.85	0
RGS1	2.74	0
FLJ20489	1.83	6.00E-05
PRDM1	1.56	0.00036
SLC25A24	2.63	0
LTB4R	1.89	0
CCDC129	3.43	0.01269
ACER3	3.14	1.00E-05
SLC25A15	-2.38	0.00055
MX2	1.7	0.01214
TEAD4	-1.98	2.00E-05
LSM7	-1.66	0
MS4A3	-3.28	0
KIAA0114	-1.97	0
PPAN	-1.64	0
CYTH4	2.08	5.00E-04
CCRL2	4.5	0.00268
HSD17B13	1.68	0.00032

SLC38A6	1.7	0
FPR1	4.61	0.00599
CCRK	-1.56	0
GLCCI1	-2.13	2.00E-05
C9ORF72	1.63	0.00084
PTPRC	2.04	0
PDIA5	-2.41	0
PTCD2	-1.96	0.00027
MIPEP	-2.03	3.00E-05
CD14	6.31	0
CLOCK	1.6	7.00E-05
CPA6	-4.29	0.04099
URB2	-1.85	0
MAGEC2	-1.74	0.00051
LRFN4	-1.78	1.00E-05
ITGAM	6	0
DTD1	-1.77	0
WDR31	2.43	0.02351
RGS2	1.56	0
RN7SK	1.74	0
SDS	1.81	0.02633
GPR82	2.26	0.01355
P2RY13	2.48	0.02707
MGAM	2.37	0.00044
ENG	1.53	1.00E-05
WIT-1	-2.11	0.00102
CD163	2.84	0.00072
CD37	2.57	0.01615
DBP	-2.18	0.00014

C18ORF22	-2.22	2.00E-05
SNORA23	-1.83	0.03754
TBC1D4	-1.7	1.00E-05
CCL23	1.76	1.00E-05
HMOX1	4.34	0
RNF207	-2.23	9.00E-05
PPP1R15A	2.59	0
HPD	2.23	0.00104
PDGFRL	1.98	7.00E-05
ZDHHC11	-2.46	1.00E-05
CCDC36	-2.76	0.02591
GZMH	-3.19	0.04039
TYROBP	3.46	0
PFAS	-1.77	0
TMEM158	5.58	0
MIR302C	2.75	0
OSCAR	2.49	0
CARM1	-1.56	0
PECAM1	2.29	0
FAM86A	-1.73	0
PML	1.88	0.04573
FCGRT	3.69	0
ZDHHC1	3.89	0.03325
ADAM6	-1.71	0.00165
B3GNT8	1.52	2.00E-05
SACS	-1.7	1.00E-05
TTLL12	-1.67	0
ZDHHC8	-3.29	0
KRT80	3.56	0.00015

SLC2A14	4.74	0.04561
LSP1	2.37	0
PCAF	1.67	0.03175
CD59	-2.91	0
ANKRD41	-1.72	0
PIK3C2B	-2.13	0.02642
KIAA0913	1.94	0
ARHGAP18	2.76	0
KIAA0247	2.38	0
CCR1	3.03	0
ARHGAP9	2.31	0
PLCH1	-2.1	0.01615
PSAP	1.92	0
NAMPT	2.09	0
SDSL	2.23	0.00041
FAHD2B	-1.82	1.00E-05
STX1A	3.2	1.00E-05
MIR548L	3.75	0.04803
ACY1	-2.22	2.00E-05
BCL2L11	-1.57	0.00015
DUSP6	3.05	0
PRSS12	-1.5	4.00E-05
CTNNA1	2.55	6.00E-05
SPPL2A	2.09	0
IRAK2	3.57	1.00E-05
TFB2M	-1.95	0
BLMH	-1.61	2.00E-05
AARSD1	-1.59	1.00E-05
CGI-96	-1.6	1.00E-04

KIAA0513	4.67	8.00E-05
IFI6	2.1	0
SH3BP2	2.96	0.00022
S100A4	2.07	0
DNASE2	2.53	0.00017
SLC36A1	1.83	0
PPAN-P2RY11	-1.87	3.00E-05
SLC5A6	-1.73	0
NOP56	-1.81	0
SRXN1	1.71	0
MRM1	-1.77	0.00224
SDCBP	2.18	0
C17ORF91	3.89	0.00292
C10ORF53	2.81	0.00976
NFKBIL1	1.89	0.04289
OR8H1	3.26	0.02554
NUCB2	-1.74	0
PHCA	2.03	0
RN5S9	2.1	0
ALOX5AP	2.9	0
CTSL1	2.77	0
RASGRP1	2.62	0.02082
MCOLN1	2.31	1.00E-05
POLR1B	-1.54	5.00E-05
PLXDC2	1.68	0.0127
SLC16A6	3.4	0.00037
CYP27B1	-1.52	0.00647
DMXL2	1.59	1.00E-05
AAMP	-1.59	0.00075

RNASE3	-4.05	0.0027
NLN	-1.51	0.00011
NDUFAF2	-1.86	0
DKFZP686O24166	-1.53	1.00E-05
TPP1	2.01	0
OSGIN1	4.22	8.00E-05
CXCL2	2.92	0.00253
PH-4	2.33	0.0146
FLJ46156	-2.11	0.02187
BOK	3.05	0
SLC25A4	-1.81	0
NQO1	3.01	0
FLJ39827	-2.56	0
THBS4	-3.19	0
RAX2	1.73	0.02518
RRP1	-1.92	0
ACOT11	1.54	1.00E-05
MIR23B	2.59	0.03907
TFAP4	-2.14	0
SPNS2	-2.43	2.00E-05
SLITRK5	-2.41	5.00E-05
C1ORF93	-1.98	0.00096
C13ORF31	4.52	0
ZFP36L1	1.78	2.00E-05
DZIP1	-2.08	0.03677
NLRP2	-2.63	0.00506
FLT3	-3.18	0
C10ORF125	-1.55	0.00211
CHD2	1.7	3.00E-05

TMEM175	1.5	1.00E-05
BRI3	2.55	0
ARRDC3	2.35	0.00247
PDX1	5.79	0.02134
SERPINB1	2.27	0
DDIT3	1.88	0
HPCAL1	1.6	0
LGALS3	1.98	0.00057
HOMER1	-1.64	0.00075
ZNF286A	-2.01	0.01342
PSAT1	-1.94	0
DOK3	1.58	0.00069
UPB1	3.81	0.00023
GIMAP4	2.23	0.02319
C7ORF40	-1.66	1.00E-05
LAT	2.5	0
REXO4	-1.74	0
FOS	1.82	1.00E-05
CCPG1	2.19	0
PDGFA	4.11	0.03756
LPIN2	1.62	0
WIPI1	3.31	0.00212
TNFSF13B	-1.64	0
SCN2A	4.59	0.01655
PUS7	-2.48	0
KIAA1370	2.07	0
SLC38A3	2.28	0.03778
SOHLH2	-1.73	5.00E-04
PRG2	-3.67	0

PRRG2	-2.11	0.03191
HTR6	-2.59	0.01227
RHOB	2.06	0.01693
CAD	-1.88	1.00E-05
NFE2L3	-1.69	0
DOCK10	1.86	0
SECISBP2L	2.22	0
GPR34	3.94	3.00E-05
TMEM91	1.81	0.00645
SASH3	2.72	1.00E-05
ABCB10	-2.53	0
QTRT1	-1.61	2.00E-04
DEFB115	2.44	0.04626
DPH2	-1.95	0
IFI30	5.71	3.00E-05
DDN	-4.74	0
TNKS1BP1	-1.99	0.00016
CA10	2.52	0.02538
MPP6	-2.17	0
PLSCR1	1.59	0.00296
SP140	2.81	2.00E-05
G6PD	2.36	0
TMEM71	3.89	4.00E-05
ELOVL6	-1.77	0
FEZ1	-2.58	0
KHDRBS3	-1.9	0.00968
TPK1	1.61	1.00E-05
MGC35361	-1.5	0.00013
CPEB4	2.33	7.00E-05

ACVR1	3.38	0
ICAM1	2.34	6.00E-04
MTHFS	1.5	2.00E-05
C12ORF66	-1.7	0.00154
THBS1	6.78	0.00074
RBM47	3.43	0
C7ORF68	-2.44	0
NMNAT3	-1.9	0.00913
ACSL1	2.19	0
RNU1G2	1.64	0
FMO5	1.72	0.00021
ASMTL	-1.54	4.00E-04
PTPRG	1.81	0.0423
IQSEC1	2.66	0.00551
PATZ1	-1.52	0.00031
ZNF433	2.07	0.04046
FTHL11	3.3	0
SRGAP1	2.43	0.00082
APLP2	2.03	0
CAMSAP1L1	2.41	0.00632
HPDL	-3.55	0
TRIM38	1.9	5.00E-05
C10ORF54	4.41	0
CA2	-1.66	0
CYBB	2.96	0
IL6ST	2.22	0.04625
CYTIP	1.5	0.00249
ABHD8	3.5	0
CRYZ	-1.92	0

SPTA1	1.78	0.02425
PMAIP1	1.76	0
ASNS	-1.75	0
MAPK13	1.78	0.00093
MTHFD1L	-1.87	0
EIF4EBP1	-1.5	8.00E-05
C1ORF183	2.4	0.02246
SLC43A2	4.07	7.00E-05
SORD	-1.6	0
SPNS3	-4.63	1.00E-05
HRH1	1.6	0.00105
NID2	1.97	0.03568
NUDT16L1	-1.66	0
TMEM97	-1.88	0
WDR27	-1.6	3.00E-05
PAX8	1.6	0.03484
FUCA1	1.65	0
TMEM231	-1.89	1.00E-05
HIF1A	1.66	0
GRN	1.68	0
GRPR	2.56	0.00261
BEX1	-1.62	1.00E-04
OXCT2	-1.9	0
SCAMP1	-1.64	0
LDLRAD3	-2.04	1.00E-05
EID3	2.56	0.00077
SLC25A19	-2.23	0
NPR2	2.16	0.00576
FBL	-1.83	0

CHST12	-1.77	3.00E-05
TNFRSF14	3.04	0
ID2	2.47	0
PRLR	-2.93	0.00047
PANX2	2.11	0
ANKLE1	-1.95	0
BZW2	-1.71	0
FLRT2	2.47	0.02116
FTSJ1	-1.6	0
SLC15A3	2.49	0
POP1	-1.55	0
GLRX	2.35	0
TMEM161A	-2.34	0.00082
HIST1H2BK	1.79	0
KIAA1618	3.54	2.00E-05
RIT1	2.44	0
TMEM144	1.65	2.00E-05
SRC	2.3	0.04489
ITM2A	-1.96	0.00013
MINA	-1.53	2.00E-05
ITGAX	4.55	0.01101
AFMID	-2.29	5.00E-05
GPR84	2.71	0
DNHL1	1.65	0.02201
NHEDC2	-2.14	2.00E-05
MRPS2	-1.66	4.00E-05
CIRH1A	-1.78	0
GRINA	1.51	0
PTPRO	4.02	0

C10ORF10	-3.75	0.03697
DNAJB2	1.93	0
KIAA0133	-1.63	0.00164
ZFAND3	1.5	0.02012
RHBDL2	2.18	0.03799
PPAT	-1.9	0
MBLAC2	-1.86	0
FILIP1L	2.87	0
CLYBL	-1.87	0
FLJ42986	3.85	0
KILLIN	-1.95	0.01489
SLC39A3	-1.97	0
FLJ13305	-1.83	1.00E-05
OSBPL11	1.82	2.00E-05
GPR85	-4.02	0.01673
LRRC20	-1.85	0
ZNF185	-1.79	0.01349
SLC7A7	2.93	0
CA8	-2.87	0
IL10RA	2.66	0
LMO3	1.85	0.01799
SLC25A10	-1.54	1.00E-05
SYDE1	3.29	0.00452
SOCS2	-3.01	0
ADAMTS3	-3.61	0.03369
GBP3	2.56	0.00154
ADAP2	4.03	0
SNORD3C	2.21	0.00016
ICAM3	2.12	0

DOCK5	3.39	2.00E-04
IL4R	2.39	0
SLC1A3	-1.64	2.00E-05
ADAM8	2.52	8.00E-05
SCO2	-1.57	0
PTAFR	1.86	0.00041
ROBO2	1.76	0.00643
CENPV	-1.85	0
BEND6	-1.69	0.00045
MOBKL2C	1.57	0.00016
IFNGR1	1.71	0
SLC29A2	-2.59	0
ZSCAN23	-2.01	0.00311
TMOD1	-2.02	8.00E-05
MIR1275	2.7	0.00119
CD320	-3.42	1.00E-05
NOLA1	-1.65	0
JUP	-1.6	1.00E-05
SNORA28	1.98	0.02917
FAM162A	-1.75	1.00E-05
SH3BGRL3	2.49	0
TGFBR2	1.79	0
GLIPR1	2.68	0
DEAF1	-1.69	6.00E-05
DDX60L	2.65	0
OAF	-1.81	0
SLC39A10	-1.8	1.00E-05
GAS7	2.28	0
MDN1	-1.95	1.00E-05

CTNNAL1	-1.65	0
EHD1	1.6	1.00E-05
TNFAIP2	3.56	0
ATP6V0A1	2.17	0
SRA1	1.66	3.00E-05
B3GNT6	-2.12	0.00037
MEST	-1.92	0.03045
IMMP2L	-2.84	0
ACN9	-1.5	0
FERMT1	-1.52	0.00409
C12ORF35	1.72	0
PEMT	-1.54	0
OR51D1	1.52	0.03413
KCNN2	-2.92	0
SYNJ1	1.95	0
TRAF3IP3	2.56	1.00E-05
CHCHD6	-2.05	0
KCTD7	1.74	0.04794
EMR4P	2.08	0.00012
SERPINB10	-3.42	0
CD300LF	1.88	0
DENND4C	2	0
WSB2	3.39	1.00E-05
RPS7	-2.15	0
TIRAP	1.55	0.00337
SLC6A12	1.72	0.02221
ADAM17	1.86	1.00E-05
LY6E	-1.77	0
F5	2.78	0.0236

NPM3	-2.23	0
GCAT	-2.77	0
SH3BP1	1.59	0
FLOT1	4.62	0
ERMN	3.18	0.03503
LAPTM5	2.41	0
NOLC1	-2.09	0
MMP25	1.92	1.00E-05
NRCAM	2	0.041
SNORD113-4	3.24	0.01682
HSPC111	-2	0
IDUA	3.67	0.00145
UGT2B11	-1.53	0.00211
RHOBTB3	1.95	2.00E-05
HIPK2	2.74	0
CCND2	-2.46	0
DOK2	2.67	0
C10ORF2	-2.35	0
LRG1	2.11	0
CFLAR	1.61	0
FSTL3	-1.5	0.00893
UBIAD1	-2.06	0
EBNA1BP2	-1.91	0
CXCL6	1.59	5.00E-05
ADCY4	2.26	0.04285
PLD3	1.82	0
TET1	-2.79	0.00925
ADM	3.55	0
UPP1	3.92	0.00047

CAPN10	1.86	0.01312
FGD3	1.87	0
CUEDC1	2.68	1.00E-05
KIAA1804	-1.74	0
FPR2	3.19	0.01822
SRM	-2.61	0
CRYL1	1.96	0.00016
WDR18	-1.77	0
C22ORF9	-1.69	0
MXD1	1.9	2.00E-05
RNF149	1.51	1.00E-05
SPCS2	3.56	0.04688
ORM2	-1.52	2.00E-05
SNORA84	-1.53	0.00013
TBC1D2	1.9	0.01581
PLEKHF1	1.59	0.01424
MIR425	-5.5	0.02167
YAP1	3.04	0.00327
FAM104B	2.09	0.00058
SHISA2	-2.93	0
DEFB122	-1.53	0.01389
ANKRD33	3.9	0
CABC1	-1.85	0
SNX12	2.96	0.02612
KLK1	-3.78	0.02241
GPM6B	-5.02	0.00055
SH3RF1	1.6	0.00011
CLEC4A	3.02	8.00E-05
SNORD96B	-1.56	0.00416

MIF	-2.15	0
ERI3	-1.81	0
ENC1	1.66	3.00E-05
LPPR3	-3.09	0.00698
AIM2	2.46	1.00E-05
IRF8	-4.57	0
POMT2	-1.54	3.00E-05
BCL3	2.97	0
TIMP2	2.23	0.00023
ZBTB44	-1.52	2.00E-05
SLC27A2	-1.62	1.00E-05
SPATA13	-1.68	0.00501
PKD2L1	2.27	0.01221
FAM46C	-4.81	0
CLIP1	1.72	0
TDRD7	-1.72	0
CTSA	1.61	1.00E-05
HIST1H2BD	3.91	0.0221
IGSF6	2.06	0.04401
ELP2	-1.6	0
HPSE	3.16	0.00052
IGF2R	1.5	0
ST6GAL1	-1.83	0
C5ORF13	-3.07	0
FCER1G	3.99	0
BCL11A	-4.24	0
FRMD7	2.39	0.00674
F11R	1.79	1.00E-05
NLRP12	2.34	1.00E-05

KITLG	3.4	4.00E-04
AKR1C3	5.41	1.00E-04
NPVF	2.66	0.01457
ELL2	1.6	2.00E-05
CTSO	2.2	0.00524
MARS2	-1.78	0
CACNA2D4	3.02	0
KCTD12	1.51	0
CTSH	1.57	1.00E-05
CLEC11A	-1.72	0
FTHL3	3.42	0
FAM117B	-2.62	0
ARHGAP24	1.7	0.01219
GPT2	-1.98	0
DOPEY1	1.94	0.01114
ATP6V1D	1.55	0
PTGS1	2.49	1.00E-05
PFKFB4	1.55	0
TNFSF9	2.12	2.00E-05
EIF3CL	-1.52	2.00E-05
F3	3.29	0
CFP	2.97	0.00309
NINJ1	2.55	0
MCM3APAS	-1.91	0.00196
CTSZ	6.08	0.00944
SFXN4	-1.65	0
S100A12	4.04	0.00266
BEND3	-1.93	0.00012
ABHD14A	-1.54	3.00E-05

MRPL36	-1.58	0
PRICKLE1	-1.77	1.00E-05
CCDC92	1.81	0.00136
SEMA6B	3.11	4.00E-05
KLF10	2.07	3.00E-05
PDE1B	2.72	0.00067
KIAA1598	1.5	5.00E-05
FAM131B	-2.98	0.00802
SIGLEC7	1.96	0.00012
UHRF1	-1.53	1.00E-05
IFRD2	-2.03	0
HIP1	2.01	1.00E-05
BCAT1	-1.7	0
NARS2	-1.92	0
PNMA3	-2.55	4.00E-05
LPAR1	2.96	0.00093
DLX1	-1.53	0
FAM20C	4.47	0.00266
MECR	-1.97	0.00023
WIT1	-2.34	0.00025
CEBPB	2.95	0
IL18R1	4.38	7.00E-05
ACOX2	1.86	0.00097
REXO2	-1.58	0
GEM	1.59	0.04669
CCL3	4.95	1.00E-05
TM4SF19	4.03	0.00228
KRBA1	-3.35	0.00866
TMTC1	1.63	7.00E-05

CSF1R	2.88	0
UAP1	-1.72	1.00E-05
NAGK	1.91	0
DHODH	-1.96	0.00095
IRF9	1.68	2.00E-05
CXCL16	4.62	9.00E-05
NPL	1.53	0
TBC1D9	4.75	0.02584
LGR4	-2.24	1.00E-05
RNU1-3	1.68	0
CALHM2	1.7	0.00039
CDA	1.87	8.00E-04
C9ORF89	3	0
TECPR1	1.84	0
LPHN2	-1.55	0.00061
MTMR3	1.55	0
BMP2K	1.73	0
SLC25A23	-2.43	0
GATM	-3.38	0
SFXN5	1.5	2.00E-05
PGD	2.49	0
DYNLT3	1.75	1.00E-05
NME1	-2.17	0
DLEU1	-2.27	0
POLR3D	-1.58	1.00E-05
FJX1	-2.72	3.00E-05
CLCF1	2.14	4.00E-05
AMELY	1.84	0.01581
LACTB	1.68	0

CCDC126	1.68	1.00E-05
IGSF2	2.56	0.01395
SYTL3	1.93	2.00E-05
ISG20L1	-1.64	0
DENND2D	2.49	0.02099
PYCR1	-1.67	0.00019
PEBP1	-1.96	0
NOTCH1	1.67	0
CCDC58	-1.5	2.00E-05
DTNA	-1.96	0
MAFF	2.54	0
LY96	3.7	0
GEMIN5	-1.96	0
FCHO2	3.54	0.03137
HRSP12	-1.58	0
ABTB1	2.28	0.00781
EVPL	1.7	0.04962
MYBBP1A	-2.71	1.00E-05
ZNF697	3.2	0.00021
TNFRSF10D	1.94	0.00263
NPC1	1.79	0
TRIB2	2.24	0
ITGB5	3.39	0.01984
ARHGAP27	1.87	0
CFD	-2.68	0
SYNGR1	-3.63	0
SLC27A5	-2.25	4.00E-05
TRAP1	-2.39	0
PCDHGA3	1.87	0.03503

CENPM	-1.96	0
C10ORF118	1.62	0.00118
YPEL3	1.93	0.00224
KAT2B	2.34	0
GINS2	-1.83	0
CYP4B1	3.65	0
CYP1B1	2.6	0
EIF2C4	1.59	0.00592
CXORF15	-1.78	2.00E-05
SAT1	1.91	0
PDLIM5	2.03	3.00E-04
BMP8B	-2.52	0
SLC16A10	-1.73	0
BCKDHB	-1.5	0
TTC26	-1.89	1.00E-05
AXUD1	2.15	0
ASB2	1.98	0.0189
ASTL	1.96	0.02589
SPOCD1	4.53	0.01307
C7ORF65	-1.62	0.03965
METTL1	-1.71	0
MFSD3	-1.5	0
DJ222E13.2	-1.83	5.00E-05
AFF3	-4.14	3.00E-05
MYB	-1.75	0
NAT14	-1.52	0